

**Boulder County Cropland Policy Comments**  
 (Received by the deadline of 2 p.m. Friday, Feb. 26, 2016)

| # | Name      | Last     | Website, Attachment, or Article URL (optional)      | Comment (please limit to 500 words or roughly one-page)   | Submitted |
|---|-----------|----------|---|---|-----------|
| 1 | Carol     | Thompson |   | I feel strongly that it is not appropriate for the BOCC to give permission for public lands to be used for propagation of GMO's. That decision should have been left up to all of the eligible BOC voters and should remain in the hands of the voters not a select committee.  | 1/22/2016 |
| 2 | Gavin     | Gartner  |   | Although the research is still coming in, preliminary results show GMO crops have a damaging effect on blood cells. Boulder residents demand non-GMO crops and so I ask the commissioners not to approve GMO grown crops on our public lands.   | 1/22/2016 |
| 3 | Richard   | Andrews  |   | I just received a notice that Boulder County is holding a public hearing next month, Feb 29, to receive input on policy regarding growing GE crops on county ag lands. While open public process is a good thing, I find this approach to be the opposite of a reasoned, deliberative, investigative and scientific approach to investigating this complex topic. Such grounded preliminary investigation, also done in full public view would have been the preferable initial step to review of this GE crop issue. I would have expected a more thoughtful approach from the current slate of county commissioners. This announced plan for what is anticipated as a heated, divisive, opinionated and marathon hearing is not in the interest of good public policy process. It is instead expected to elevate the corporate power structure intensity, and other advocacy posturing, and will likely cause all parties to raise the volume, with companion and often distorting media coverage, but not improve upon veracity or integrity of a careful consideration of this issue that is so important to matters of public health, environmental protection and sustainable agriculture. Since you have begun the process however, it is strongly advised that Boulder County must seek out true and honest inputs from uncompromised sources of scientific fact, professionals that do not have conflicts of interest due to any kind of affiliation with the corporate interests that would gain from genetic engineering technology. The history of genetic engineering approvals has not to date been characterized by that legitimate and uncompromised science, neither at the upper governmental level of the overseeing federal agencies such as FDA, USDA and EPA, nor unfortunately even from the National Research Council and National Academy of Science. And very important to this entire issue is the embedded matter that genetic engineered crops are designed to either internally create pest toxins, or are designed to be tolerant to applied pesticides. So the issue of the independent assessment of the public health effects and ecological safety of those toxins must be an intimate part of the review process. And finally, while the announced hearing seems to intend to isolate the GE crop policy matter for its sole consideration, there are many other important issues associated with the county Cropland Policy that should also be reviewed in light of current scientific knowledge that has rapidly evolved since the 2011 establishment of the cropland policy. It is requested that the plans for such additional policy reviews be announced, and opened to public process review and input. | 1/23/2016 |
| 4 | Richard   | Brown    |   | Poison based agriculture should not occur on publicly owned land.   | 1/23/2016 |
| 5 | William   | Crosman  | <a href="http://crosman.org">http://crosman.org</a> | I am totally against growing any gmo crops in Boulder county. And in particular on Boulder county open space. We have many organic farmers whose livelihood would be ruined by allowing this.   | 1/24/2016 |
| 6 | Frederica | Acora    |   | Dear Commissioners, Please, please, please NO GMO's. Let's educate our gmo and conventional farmers to grow healthy food and care for our soil, incorporate diversity, save seeds, love our Mother Earth and care for her-she is our life support and has taken care of us and all living things which have a home here as well. We all see what's happening with our food supply, our soil, water. We can change it up with love and health for all! Let's do it! Please! Thank you, Frederica Acora   | 1/25/2016 |
| 7 | Jason     | Pawlina  |   | Hell no to GMO. Let us use our hearts as well as our heads.   | 1/25/2016 |

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| 8 | daya   | khalsa |  | Boulder has been a bellwether of progressive thinking and technology for over 40 years. Caring an being excellent stewards of our environment is the natural progression of our legacy. With more information becoming available as to the hazards of so many agricultural products: bee colony collapse, harm to children, natural seed supply, soil degradation, water contamination, asthma, allergies and god know what else, what on earth are we allowing these harmful practices for? We can do better than this. If farmers currently using these practices don't want to plant here, they can go somewhere else, no? How about creating a hemp friendly environment to once again be a model for the state? Or a permaculture example of best farming practices? Let's be proud of what we can do. We are better than this, are we not? Thank you for your careful consideration. | 1/25/2016 |
| 9 | Alexis | Bullen |  | While I do support using some Open Space for agriculture, I do not think growing GMO crops, which require high use of chemicals (among other issues), is an appropriate use of Boulder County land. Boulder County has a reputation for environmental stewardship and GMOs have not conclusively been proven safe for humans or the environment. Further, their pesticide intensive needs harms our bees and pollinators. Lastly, the fact that GMOs can contaminate other farms' organic crops is alarming. Please discontinue allowing GMO crops to be grown on Boulder County open space land.  | 1/25/2016 |

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| 10 | Chase | Dryden  |  | <p>I am writing to voice my stance on the subject of genetically engineered crops on county open space agricultural properties. I will make it known that I place my full support behind those people who intimately know management of the land and crops they plant, qualified university researchers, experts who dedicate their careers to understanding agricultural technology and it's management, and to professionals in the agricultural technology field who work to insure their products decrease environmental impacts, improve the quality &amp; yields of grown crops, and create increased efficiency for the farmers for whom they make these products. Understanding the nature of genetically engineered (GE) crops is of utmost importance, some of their key considerations are as follows: 1) GE crops have enabled row crop farmers to achieve the lowest impact to natural resources in human history. 2) The productivity and quality of GE crops is higher than at any other time in agricultural production. 3) Every scientific research study has concluded GE crops have no different nutritional characteristics than crops grown under conventional, organic, bio-dynamic, or any other methods. The GE crops and associated management practices do, however, create unsurpassed quality of product. 4) GE crops have allowed farmers to reduce herbicide usage to an all-time low, and use herbicides which have far less environmental impact quotients than even many products approved for organic production. This is better for the environment, but just as importantly it is far better for the health of the farmers and licensed applicators who handle these chemicals. 5) GE crops do not pose risks to native or domesticated pollinator species. Scientific research proves this point, despite other personal perceptions which are prevalent in this area. The largest risks to domesticated pollinators in this area are available forage base, hive health (i.e. mite control), coordination with insecticide applicators on hive locations &amp; timing of honey bee foraging around field applications, and the bee keepers leaving enough honey in the hives to sustain the bees through the winter months. I also encourage the commissioners to consider the topic of GE crops from this angle: Other methods of farming which do not utilize this level of technology, including organic production, have far higher environmental impacts than those which employ up-to-date technology. There is a reason for advancement in agricultural technologies and management practices, and that reason is agricultural producers are the true conservationists and stewards of the land. They depend on the land for their families' livelihoods, and have a moral obligation to do everything within their power to take care of the land. I would much rather trust in producers with their knowledge and experience than loud mouths which have no connection to or dependence upon the land they feel obligated to regulate. Boulder County Parks &amp; Open Space is tasked with the responsibility of preserving their agricultural lands as those which continue to actively operate in agricultural production. to continue that, BCPOS had better do everything within its power to optimize economic viability along with environmental stewardship practices.</p> | 1/25/2016 |
| 11 | sage  | hailton |  | <p>I moved to Boulder in 1987 thinking i would reside in a community that was forward thinking, conscious of health and environmental issues and governed by a group of people that kept our environmental and health concerns in the forefront of their decisions. I am not in favor of any GMO products being sold or grown AT ALL- ANYWHERE - We now know that GMO contamination to non - gmo properties happens all the time and that GMO strains are spreading into organic farms. I EXPECT that our governing body will do everything to protect our struggling bees especially from nicotonoids (not sure about spelling) I have been so disappointed about so many decisions with regard to boulder and it's future - i hold that the governing folks are just serving greedy business/construction people.</p>  | 1/26/2016 |

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| 12 | Barbara     | Sykes   |   | I'm very opposed to GMO's being grown on public land and open space in Boulder County. Those areas and their inhabitants (animals, birds, bees and insects) should forever be protected. We all know that GMO crops contaminate the surroundings forever. We all know that the pesticides use to grow GMO's are dangerous for our environment and nobody needs Bt toxins nor Glyphosate in their food. We all know GMO crops and their associated herbicides can harm birds, amphibians, insects and soil organisms. They reduce bio-diversity, pollute water resources, and are unsustainable. We all know that Glyphosate is responsible for the loss of habitat for monarch butterflies. We all know that Glyphosate herbicide causes birth defects in amphibians and organ damage in animals even at very low doses so why oh why on earth would anyone want that pesticide applied to our beautiful land? Why would it even be a consideration when we all know the risks? If Boulder County wants grow organic crops on open space, I would back that. I would donate money, volunteer my time and support that endeavor from start to finish. Boulder County always feels like it's on the forefront of issues but on this particular case, it's like they lost their foresight. Please, protect our public lands and open space for us and for future generations. It's the smart thing to do. | 1/26/2016 |
| 13 | christopher | sassano |   | With glysohate now scientifically considered a carcinogen it does not seem like a good idea to add this to our lands, water run off, streams etc. And as a bee keeper with a 60 percent death rate, every year, I am finding it frustrating to continue to keep my small collection of hives. With EPA's report last week of the direct link between pesticides and bee death, I would also op for a pesticide free policy. After all, organic farming has proven to be more effective then GMO chemical fertilizer farming without the detrimental environmental side effects.  | 1/27/2016 |
| 14 | scott       | smith   | <a href="http://www.theguardian.com/environment/2015/mar/21/roundup-cancer-who-glyphosate-">http://www.theguardian.com/environment/2015/mar/21/roundup-cancer-who-glyphosate-</a> | Of significant note since the open space ag policy was put into effect, late last year the World Health Organization published a report citing "Roundup weedkiller probably causes cancer." News article: <a href="http://www.theguardian.com/environment/2015/mar/21/roundup-cancer-who-glyphosate-">http://www.theguardian.com/environment/2015/mar/21/roundup-cancer-who-glyphosate-</a> It's becoming harder to accept the industry claims of GMO safety in the face of mounting evidence that directly refutes it.  | 1/30/2016 |
| 15 | paul        | howes   |   | Boulder County Parks and Open Space's vision is to be a national leader in sustainable agriculture. This statement is at odds with the policy of allowing GMO and pesticide friendly crops on our land. Please reconsider.   | 1/30/2016 |
| 16 | Scott       | Smith   | <a href="http://gmofilm.com/">http://gmofilm.com/</a><br><a href="http://nyti.ms/1g1M8kz">nyti.ms/1g1M8kz</a>   | Much have changed since I first became aware of OSMP Ag policy. There has been an explosion in GMO public awareness and the media has uncovered multiple industry-backed corruptions in politics and academia. Here's a story about a notable GMO scientist, oft cited, who received huge \$ on behalf of Monsanto: <a href="http://nyti.ms/1g1M8kz">nyti.ms/1g1M8kz</a> Movies galore are telling the story of GMO corruption: GMO OMG= <a href="http://gmofilm.com">http://gmofilm.com</a> Boulder's own Savory Institute, proponents of holistic management, advocates for rotational grazing to build soil, sequester water and carbon and create healthy animals and environment. Our OS range land could greatly benefit from this practice. There's much opportunity at-hand and all it takes is willingness and commitment to do the right thing for everyone, and not just the few who benefit from these publicly-subsidized lands. A win-win is the only way.   | 1/30/2016 |

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| 17 | Scott  | Smith   | <a href="http://www.boughtmovie.com/free-viewing/landing.php">http://www.boughtmovie.com/free-viewing/landing.php</a>   | When the open space ag policy was being formulated in 2011, the industry influence and monies were very evident. At the County Commissioner public hearing in Longmont, Bayer, Syngenta and Monsanto went to considerable lengths to fly in pro-GMO supporters from around the USA who's testimony was initially showcased, courtesy of a last minute procedural change by Ben Pearlman, that put the pooled speakers first. Commissioner's Torr and Pearlman, over the course of months, repeatedly claimed that the GMO "science" was sound and the technology safe. As we have come to learn, the science findings were bought and paid for by the corporations and the products are anything but proven to be safe. Here's a documentary that outlines the industry corruptions that have a direct bearing on our public open space ag policy, and the impacts on public health.<br><a href="http://www.boughtmovie.com/free-viewing/landing.php">http://www.boughtmovie.com/free-viewing/landing.php</a>   | 1/30/2016 |
| 18 | Scott  | Smith   | <a href="http://www.startribune.com/hershey-dumps-sugar-beets-because-of-gm-concerns/36349831/">http://www.startribune.com/hershey-dumps-sugar-beets-because-of-gm-concerns/36349831/</a>           | It's interesting to note that the addition of GMO sugar beets to the Open Space Ag policy was a boon for a particular farm family heavily invested in a sugar beet processing facility. Apparently, the economic viability of GMO beets on open space land, beyond the health and environmental risks, is being further damaged by the recent decision by Hershey to stop using GMO sugar beets in its chocolate: <a href="http://www.startribune.com/hershey-dumps-sugar-beets-because-of-gm-concerns/36349831/">http://www.startribune.com/hershey-dumps-sugar-beets-because-of-gm-concerns/36349831/</a>   | 1/30/2016 |
| 19 | Scott  | Smith   | <a href="https://www.linkedin.com/pulse/north-dakota-grain-terminal-dedicated-non-gmo-mark-anderson">https://www.linkedin.com/pulse/north-dakota-grain-terminal-dedicated-non-gmo-mark-anderson</a> | Yet another market development in recognizing the increased opportunity for NON-GMO agriculture: <a href="https://www.linkedin.com/pulse/north-dakota-grain-terminal-dedicated-non-gmo-mark-anderson">https://www.linkedin.com/pulse/north-dakota-grain-terminal-dedicated-non-gmo-mark-anderson</a>  | 1/30/2016 |
| 20 | lin    | murphy  |   | I am totally against leasing public property to benefit corporate interests. I do not buy GMO and Monsanto and I don't want the makers of these poisons to benefit from their deployment on public (also my) land. Disallowing these poisons will allow Boulder to experience what nature can do---leave some of our Earth NOT messed with.   | 1/31/2016 |
| 21 | Elaine | Erb     |   | I appreciate the challenges ahead of us as we address GMOs as a part of our agriculture in this area. As I have reviewed material, I am pleased to see that there has been some support for farmers working towards more sustainable agriculture. I believe the connections are clear that GM crops are a danger to our ecosystem, to the health of bees, and to the health of ourselves. But as we move away from Glyphosates as a component of our local agriculture, I believe we need to find ways for area farmers to be able to succeed. Let's invest in opportunities for the local farming community that will assist them in moving to non GE, more sustainable crops, and the growth of more drought tolerant species in this area. While we have a thriving farmers market, I do believe we can grow the markets for our goods. Let's invest in facilities that allow farmers to be able to deliver foods to a broader area, that are economically viable for our community, and that can even potentially support some of the less fortunate in our area. Simultaneously, we must assure that the farmers are able to house and hire the work force that they need to support their efforts. If it were practical, I would certainly ask to ban GMO crops immediately. I hope that we work with what we have learned since the last passage of our cropland policy to continue to build incentives in the agricultural community to move away from GE crops. I would love to start to see pockets designated within our lands that move to GMO free so that we can have havens for our local honey producers. Thanks for your efforts in continuing to push us closer to more sustainable and healthful uses on our public lands. | 1/31/2016 |
| 22 | Thomas | Windham |   | GMO crops should not be permitted to be planted or grown on our county owned lands.   | 1/31/2016 |

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| 23 | Kirkwood | Cunningham |   | I think GMOs need to be phased out of open space lands as soon as it is possible to do so. I purchase only organic foods and would like the production of those foods to be maximized on Boulder County lands. The two characteristics of GMO crops that I dislike most are: 1) create the need to use herbicides and pesticides like glyphosate that harm soil fertility or pose toxicity to pollinators, and 2) result in genetic drift onto adjoining organic cropland. Also the Boulder County crops that tend to use GMOs are for animals in feedlots or for industrial use, not for local food, neither of which are ultimately helpful to human health or to the environment. Large acreage County ag lands might be better considered for grazing, not crops in the longer term.  | 2/1/2016  |
| 24 | Stewart  | Guthrie    |   | Thank you for your protection to date of our Open Spaces (especially by your moratorium on fracking) and to ask that you continue it, for example by banning GMO crops. Especially dangerous are glyphosate-resistant ones, because they are premised on the use of that pernicious chemical--found by the World Health Organization to be a carcinogen. The greatest danger to the Open Spaces, however, remains fracking. Please continue to oppose it by every means.  | 2/1/2016  |
| 25 | Alan     | Rosenfeld  |   | There should be no GMO crops allowed on Boulder County Open Space.  | 2/1/2016  |
| 26 | Robin    | Collins    |   | I think it is a travesty to allow anyone to poison the air, soil and waters of our beautiful Boulder with Glycosphate! I do not support GMO organisms that have been bred to withstand these poisons being planted here and fear cross contamination of plants, death to pollinators and increasing poor health for our citizens due to the action of the glycosphate on human cell mitochondria and digestion.   | 2/2/2016  |
| 27 | Jane     | Bunin      | <a href="http://articles.mercola.com/sites/articles/archive/2016/02/02/how-roundup-damages-mitochondria.aspx?e_cid=20160202Z1_DNL_art_1&amp;utm_source=dnl&amp;utm_medium=email&amp;utm_content=art1&amp;utm_campaign=20160202Z1&amp;et_cid=DM96871&amp;et_rid=1340374780">http://articles.mercola.com/sites/articles/archive/2016/02/02/how-roundup-damages-mitochondria.aspx?e_cid=20160202Z1_DNL_art_1&amp;utm_source=dnl&amp;utm_medium=email&amp;utm_content=art1&amp;utm_campaign=20160202Z1&amp;et_cid=DM96871&amp;et_rid=1340374780</a> | Dear County Commissioners and POSAC, Thank you for the opportunity to comment. The effects of glyphosate in GMO crops on human health are now well studied. Please see a recent article (with a video) that summarizes information and links to original research sources.<br><a href="http://articles.mercola.com/sites/articles/archive/2016/02/02/how-roundup-damages-mitochondria.aspx?e_cid=20160202Z1_DNL_art_1&amp;utm_source=dnl&amp;utm_medium=email&amp;utm_content=art1&amp;utm_campaign=20160202Z1&amp;et_cid=DM96871&amp;et_rid=1340374780">http://articles.mercola.com/sites/articles/archive/2016/02/02/how-roundup-damages-mitochondria.aspx?e_cid=20160202Z1_DNL_art_1&amp;utm_source=dnl&amp;utm_medium=email&amp;utm_content=art1&amp;utm_campaign=20160202Z1&amp;et_cid=DM96871&amp;et_rid=1340374780</a> . One fundamental basis for diverse ill health effects of GMOs are glyphosate effects on our tiny cellular energy engines, our mitochondria. Mitochondria are fundamental for all of our energy production and in cell signaling. Dysfunctional mitochondria underlie aging, type 2 diabetes, metabolic syndrome, cancer and many more serious diseases. Please note that Dr. Alex Vasquez, M.D., Ph.D., author of about 100 papers and 15 scientific books, states that the research data is overwhelmingly consistent and clear on all of these points. So the fact that there is even public debate about whether glyphosate or Roundup causes mitochondrial harm (and therefore harms health) means that people simply are not aware of the scientific literature. . "Why are we having a public debate on this when the data is so clear?," Vasquez asks. A good question indeed, and the answer is that the industry has done a great job of confusing and misleading people about the actual content and strength of the available science. I urge you to consider this information and ban all GMO crops from Boulder County. I am a PhD biologist who has lived in Boulder City and County for over 45 years. I teach at a university. Thank you for the opportunity to comment. Jane Bunin, PhD 4814 W Moorhead Cir Boulder, CO 80305 | 2/2/2016  |
| 28 | Amber    | Hempell    |   | Please stop farms in boulder county to have gmo's grown in the open spaces and parks that are leased to farmers. We like organic. We don't like gmo's..they are harmful to the air and to people.   | 2/2/2016  |
| 29 | Jennifer | Shriver    |   | I believe that on public lands, the highest level of environmental protection on public lands, which includes avoiding pesticides, genetically modified organisms, artificial fertilizers -- products that stress our delicate eco-system and affect our water, land, and web of life.  | 2/3/2016  |

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| 30 | Laura     | Slaughter |  | There is enough evidence to deem GMO farming a danger to crop land, pollinators, humans and other environmental concerns. Rather than investing in this type of technology we need to reinvigorate clean farming practices and stop poisoning ourselves and our land. I do not support any actions that would lead to any genetically modify organisms being used.   | 2/3/2016  |
| 31 | Christine | Guzy      |  | I don't believe that we should use our public lands to grow GMO's. We don't yet know the long term effects. Also, so many of us support our local farmers and farmers markets. We do not want to support and buy GMOs.   | 2/3/2016  |
| 32 | mark      | glenn     |  | I am reaching out to you, willing to beg for change to the current approval in Section 6.1 of the Boulder County Parks & Open Space (POS) Cropland Policy. PLEASE consider this...despite what the propagandists continue to tell the public about the use of GMO crops and the "researched" impacts they have on the environment, the truth remains that we are once again altering the course of Mother Nature. We are once again putting our faith in technology with the confidence it will be a better option than the original, natural systems Mother nature has provided us. We have made many mistakes by relying on technology to alter Mother Nature. This is another one of those mistakes. PLEASE know that in the future, the real attraction to any given place will be it's natural habitat and preservation. Boulder County can create a model which is revered for it's commitment to and reward from the relationship we have maintained with Mother Nature, in the traditional ways Mother Nature has provided us with. It may not be as convenient as a GMO looking agriculture plan, but as you can hear loud and clear throughout the world right now, it is what people want in their back-yards and for their world---a future that is NATURAL and bio-diverse, and clean, and wholesome, and a direct result of a healthy Mother Nature. Please use your voices and pens to rise up and make a very important historical move. | 2/3/2016  |

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|----|-----------|---------|--|--|-----------|
| 33 | Stephanie | Seneff  | <a href="http://people.csail.mit.edu/seneff">http://people.csail.mit.edu/seneff</a><br><br><a href="http://www.esciencecentral.org/journals/the-high-cost-of-pesticides-human-and-animal-diseases-2375-446X-1000132.php?aid=56471">http://www.esciencecentral.org/journals/the-high-cost-of-pesticides-human-and-animal-diseases-2375-446X-1000132.php?aid=56471</a><br><br><a href="http://www.mdpi.com/1099-4300/15/4/1416">http://www.mdpi.com/1099-4300/15/4/1416</a><br><br><a href="http://www.organic-systems.org/journal/92/abstract/Swanson-et-al.html">http://www.organic-systems.org/journal/92/abstract/Swanson-et-al.html</a> | <p>I am a senior research scientist at MIT, and I am writing on the issue of whether Boulder County should continue to allow genetically engineered crops to grow on County croplands. My concern regards the toxic chemical glyphosate, in the herbicide, Roundup, which is used extensively on GM Roundup-Ready crops such as corn and sugar beets. Studies in S. America have shown that glyphosate is a risk factor for neural tube defects including spina bifida, microcephaly, and exencephaly, as well as gastrischisis and congenital heart disorders. My own studies concern a compelling link between glyphosate and autism, based in part on glyphosate's action as an antibiotic disrupting the gut microbiome and in part through chelation of minerals as well as disruption of cytochrome P450 enzymes in the liver (see: <a href="http://www.mdpi.com/1099-4300/15/4/1416">http://www.mdpi.com/1099-4300/15/4/1416</a>). I believe glyphosate is a major factor also in the epidemic we're seeing these days in obesity, diabetes and Alzheimer's disease, along with the increases in thyroid disorders and pancreatic cancer. A paper published by Swanson et al. in 2014 showed alarming correlations between the rise in multiple chronic diseases and glyphosate usage on core crops (see: <a href="http://www.organic-systems.org/journal/92/abstracts/Swanson-et-al.html">http://www.organic-systems.org/journal/92/abstracts/Swanson-et-al.html</a>). that paper documents, with 26 figures, stunning matches between the rise in glyphosate usage and a large number of modern diseases. I collaborated with Nancy Swanson and Judy Hoy on a follow-on paper which examined the impact of toxic pesticides on wild animals in Western Montana and showed correlations with rises in diseases in both human infants and human adults. This paper, titled, "The High Cost of Pesticides: Human and Animal Diseases" (see: <a href="http://www.esciencecentral.org/journals/the-high-cost-of-pesticides-human-and-animal-diseases-2375-446X-1000132.php?aid=56471">http://www.esciencecentral.org/journals/the-high-cost-of-pesticides-human-and-animal-diseases-2375-446X-1000132.php?aid=56471</a>) documents a recent rise, among newborns in the US, in failure to thrive, metabolic disorders, genitourinary disorders, immune-related blood disorders, congenital heart defects and lung conditions, and skin disorders and lymph disorders among older populations. The United States comes in dead last on infant mortality on the first day of life among industrialized nations. Middle aged Caucasians in America are experiencing an alarming rise in mortality over the past several years, and I am highly suspecting glyphosate exposure as a significant factor in this rise. Together with Anthony Samsel, I have published a series of four papers on glyphosate's toxicity to humans, and we have a fifth paper that is currently under review. In this new paper, we propose that glyphosate, as a synthetic amino acid analogue of glycine, could be incorporated by mistake into protein synthesis. It is plausible that this could occur, and we think it is highly likely to be true, because the predicted consequences easily account for the broad range of disorders and diseases that are epidemiologically linked to glyphosate. I believe strongly that glyphosate should be banned, worldwide. The crops that are currently allowed to be grown on public lands in Boulder are Roundup-Ready crops, and therefore it can be anticipated that significant amounts of Roundup would be applied to them, to control weeds. The people of Boulder would be in harm's way. Several of my published papers can be found on my web site.</p> | 2/4/2016  |
| 34 | Tom       | Andrews |  | <p>Boulder County has the option to make progressive environmental choices about how Open Space land is used. The farm land that is part of Open Space should never be used for growing GMO crops, which have not been proven safe or environmentally friendly. Instead, Boulder County should lease its Open Space farm land for the organically grown food crops, such as vegetables, which can be sold locally. This would decrease Boulder's long term risk of food shortages during future climate change induced disruptions (and you are fooling yourself if you don't think this will happen). For health reasons, a decrease in the use of pesticides within Boulder valley would result from growing organic crops on Open Space farm land. Long-term ecological sustainability should guide these decisions. Thanks you for considering these important options.</p>  | 2/6/2016  |



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| 35 | Cathryn | O'Connor | <a href="http://www.nytimes.com/2016/02/07/business/cover-crops-a-farming-revolution-with-deep-roots-in-the-past.html?hpw&amp;rref=business&amp;action=click&amp;pgtype=Homepage&amp;module=well-region&amp;region=bottom-well&amp;WT.nav=bottom-well&amp;_r=0">http://www.nytimes.com/2016/02/07/business/cover-crops-a-farming-revolution-with-deep-roots-in-the-past.html?hpw&amp;rref=business&amp;action=click&amp;pgtype=Homepage&amp;module=well-region&amp;region=bottom-well&amp;WT.nav=bottom-well&amp;_r=0</a> | <p>Dear Commissioners - In light of the current controversy over cropland policy I direct your attention to this article:<br/> <a href="http://www.nytimes.com/2016/02/07/business/cover-crops-a-farming-revolution-with-deep-roots-in-the-past.html?hpw&amp;rref=business&amp;action=click&amp;pgtype=Homepage&amp;module=well-region&amp;region=bottom-well&amp;WT.nav=bottom-well&amp;_r=0">http://www.nytimes.com/2016/02/07/business/cover-crops-a-farming-revolution-with-deep-roots-in-the-past.html?hpw&amp;rref=business&amp;action=click&amp;pgtype=Homepage&amp;module=well-region&amp;region=bottom-well&amp;WT.nav=bottom-well&amp;_r=0</a><br/>           It is this type of innovation and stewardship that should be focused on in the management of publicly owned agricultural property. Of utmost importance is maintaining the health and quality of the soils; profits for private parties are secondary.</p>   | 2/7/2016  |
| 36 | Charles | Hansen   |   | <p>As a Boulder resident for 38 years, I have seen many changes in both the city and county. Great thanks are due to the citizens who had the foresight to purchase vast tracts of land for Open Space, preventing the complete urbanization of the Front Range. While the issue of population growth remains, straining the land's carrying capacity, a new threat has emerged. Today corporate forces are subverting the very fabric of our entire society. We live in a time of grave danger, as everything from health care to the food we eat and water we drink are being converted to privatized commodities. The sole goal of these corporations is to generate profits. Indeed all publicly-held corporations are legally bound to place monetary profits above all else. Every single external factor, from pollution of the air, water, and land is only protected by governmental regulation. As a society we have created governmental institutions that serve our common purpose - life, liberty, and the pursuit of happiness. Our fundamental rights have no consideration whatsoever in the motives of publicly-held corporations. The only defense we have to protect our common interest from these corporations are governmental regulations. Yet the political process has been increasingly corrupted by the monies spent by these corporations, both in the form of advertising, control of the media, our sources of information, and to the level of influencing the political process itself. The dangers are grave and unrelenting. To even consider allowing the use of publicly-held lands as a vehicle to increase the profits of corporations is an abomination that must not be tolerated. There exists no reasons for any genetically modified organisms other than to profit and control our very food sources. The known repercussions are gargantuan - massively increased use of pesticides that are both known carcinogens and neurotoxins, a loss of the natural biodiversity, and creating an ownership model of the seeds of life itself. Legitimate scientific research (as opposed to pseudo-science funded by the corporations who profit from these products) have shown links to cancers, genetic mutations, and much more. There is absolutely no reason that these publicly-held lands should be used to subsidize these large corporations whose only motive is short-term profit. These lands are both our heritage and our legacy. They will undergo unrelenting attacks from profit-driven corporations as long as they exist. Our citizens expect and demand our elected officials protect these lands for the common good for as long as the rain falls and as long as the sun shines. Never yield to the subversion of corporations who would utilize the commons which benefit us all to be corrupted for private profit. Thank you for standing up to the forces of corruption, and preserving our public lands for all future generations to come.</p> | 2/8/2016  |

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|----|---------|------------|---|--|-----------|
| 37 | Jahnavi | Stenflo    |   | I do not think that allowing GMO crops to be grown on public lands is a good idea at all. GMO's have never been proven to be unequivocally safe. The onus for proof of t's safety lies with the manufacturer, not with the consumer! So don't try to say that the consumer has to prove it is not safe! IF they are so safe and sound, why do the manufacturers have such issues with them being labelled? You would think that if they had a good product, they would be proud to label it. It appears to me that they (GMO manufacturers such as Monsanto and Bayer) are covering up their dastardly lack proof of the safety of their prematurely introduced seeds to the ecosystem and the market. Those seeds have toxic Agent Orange in them! Furthermore, they HAVE been shown to pose a threat to birds, pollinators and wildlife. Allowing these rotten, profit-mongering companies to have their seed crops on our public lands is just wrong, thoughtless and an abuse of public lands!   | 2/8/2016  |
| 38 | Barry   | Cartwright |   | I believe that it is important that Boulder County base decisions about open space on solid science and evidence rather than hysteria and hype. The scientific evidence is that GMO crops are safe and not harmful to environment. It is important that reason drives policy forward rather than misguided fear mongering. I hope you will carefully look at the extensive scientific literature on this matter instead of just pandering to special interests.  | 2/8/2016  |
| 39 | Chetna  | Geller     |   | The effect of farming GMO crops upon surrounding crops/farmland is well known, what to speak of the suspected effects of eating them! Boulder County should be incorporating "innovative and regenerative" farming practices and supporting farmers who approach agriculture in this way or who would like to transition to beneficial practices. Thank you.   | 2/8/2016  |
| 40 | Scott   | Smith      | <a href="http://indiatoday.intoday.in/story/Monsanto+'faked'+data+for+approvals+claims+its+ex-chief/1/83093.html">http://indiatoday.intoday.in/story/Monsanto+'faked'+data+for+approvals+claims+its+ex-chief/1/83093.html</a>                 | I have researched the so-called positive attributes of GMOs and found there are numerous contradictions and factual errors in their marketing claims. A recent news story highlights that Monsanto "faked data" in order to gain approval for their products:<br><a href="http://indiatoday.intoday.in/story/Monsanto+'faked'+data+for+approvals+claims+its+ex-chief/1/83093.html">http://indiatoday.intoday.in/story/Monsanto+'faked'+data+for+approvals+claims+its+ex-chief/1/83093.html</a>   | 2/8/2016  |
| 41 | Scott   | Smith      | <a href="http://www.theecologist.org/News/news_round_up/2986924/feral_roundup_ready_gm_alfalfa_goes_wild_in_us_west.html">http://www.theecologist.org/News/news_round_up/2986924/feral_roundup_ready_gm_alfalfa_goes_wild_in_us_west.html</a> | GMO technology is an uncontrollable experiment. The buffer zone concept, conceivably a way to limit the spread of GMO proteins, does not work. Read this article describing how GMO alfalfa, after only a few years, is running wild throughout the West and threatens all non-GMO alfalfa fields.<br><a href="http://www.theecologist.org/News/news_round_up/2986924/feral_roundup_ready_gm_alfalfa_goes_wild_in_us_west.html">http://www.theecologist.org/News/news_round_up/2986924/feral_roundup_ready_gm_alfalfa_goes_wild_in_us_west.html</a>  | 2/8/2016  |
| 42 | Naomi   | Jacobs     |   | I am strongly opposed to the growing of glphosate-resistant corn and sugarbeets. I oppose this because based on my scientific understanding of the process that this is harmful to nearby farms, animal life and human life. The safety of GMOs for human consumption is highly questionable as well. Thank you.   | 2/8/2016  |
| 43 | Katie   | Walker     |   | <ul style="list-style-type: none"> <li>- Last year, top cancer researchers at the World Health Organization unanimously voted to elevate the cancer profile of glyphosate to the designation "probably carcinogenic to humans."</li> <li>- Since introduction of glyphosate resistant crops, use of the herbicide has increased 15-fold globally. Glyphosate is now the most heavily used weed killer in history.</li> <li>- Boulder County should use its Cropland Policy to promote sustainable, regenerative agricultural methods that increase soil conservation, not chemical and genetically engineered cropping systems that degrade soil health.</li> <li>- Sales of non-GMO foods are increasing and poll after poll shows that a majority of consumers at least want to see GMO labels on food. Vermont's GMO labeling bill is set to take effect July 1.</li> <li>- Organic farmers are at risk of losing their certification if their crops are contaminated by nearby GMO crops.</li> </ul> <p>Resources International Agency on Research for Cancer (WHO): Carcinogenicity of tetrachlorvinphos, parathion, malathion, diazinon, and glyphosate<br/>GMO Myths and Truths<br/>Twenty Years of Failure: Why GMO Crops Have Failed To Deliver On Their Promises<br/>Rodale Institute: Regenerative Agriculture and Climate Change</p> | 2/8/2016  |

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|----|-----------|----------|---|--|-----------|
| 44 | Martin    | Grosjean |   | I am strongly OPPOSED to growing glyphosate-resistant corn, sugarbeets, or any other GE crop on lands leased from Boulder County, and I'm sure the majority of Boulder County residents feel the same way. We residents / taxpayers purchased these lands because we enjoy nature and a natural lifestyle, and growing GMO crops on them is not in the least bit natural. Growing GMO crops on our open space goes against the spirit and intent of the purchase of this land, which we paid (and are paying) for.   | 2/8/2016  |
| 45 | Elizabeth | Moody    |   | Glyphosate-resistant crops are sprayed heavily with Roundup, which has been classified by the World Health Organization as a probable carcinogen. Therefore, exposure to this herbicide is dangerous to the health of field-workers, farmers, and their neighbors. It has also been demonstrated that non GMO fields become contaminated with herbicides from wind drift; some organic farmers in this situation are in danger of losing their organic certification. All the data purporting to show that there is no danger, has been provided by the companies that benefit from the sale of glyphosate products and their resistant seeds. These companies, like Monsanto, Dow, and Syngenta, have huge lobbying power, and in many cases they write the text of the laws they wish to see passed. Additionally, the widespread use of glyphosate and other herbicides is a proven danger to bees and other pollinators. Our food supply, now and in the future, depends on the continued health of our balanced eco-system, in which pollinators play a critical role. Farmers who use GMO seeds are not able/permitted to save seeds, as they have been doing for centuries. This will limit our bio-diversity and make us dependent on a few highly selected means of growing food. What happens when these so-called advanced seeds fail, as they already have in many other places? Are you aware of the thousands of farmers in India who have committed suicide because their Monsanto crops failed and they could no longer feed their families? Boulder County is a trendsetter in thoughtful planning and inclusive government. We take pride in our collaborative approach. We take the long view when it comes to preserving our resources and providing opportunities, for current residents as well as future generations. If you poison the fields and the people, and you institute policies that discourage and limit small scale farming, you will be giving in to the corporatocracy that threatens to divide us more radically into a few very rich folks who make all the rules, and a huge underclass of poor ones, who have no voice. Is this really the Boulder County you want to leave to your children? | 2/9/2016  |
| 46 | scott     | smith    | <a href="http://www.reuters.com/article/us-sugar-gmo-insight-idUSKCN0SN0C720151029">http://www.reuters.com/article/us-sugar-gmo-insight-idUSKCN0SN0C720151029</a> | Despite the modest farmer' clamor for expanded GMO presence on open space lands through the planting of sugar beets, there are apparent market forces at play that merits financial and policy reconsideration. Consumers and food companies are rejecting GMO sugar and moving towards non-gmo perennial sources such as traditional sugar cane. Should our farmers be hog-tied into planting crops that are falling out of favor? Should our farm policies reflect commodities that will actually serve the needs of our local community? I believe it's time to change the policy to serve all people's needs, farmers and eaters, to embrace local food! <a href="http://www.reuters.com/article/us-sugar-gmo-insight-idUSKCN0SN0C720151029">http://www.reuters.com/article/us-sugar-gmo-insight-idUSKCN0SN0C720151029</a>   | 2/9/2016  |
| 47 | beth      | bennett  |   | GMOs are a diverse set of organisms and each one should be evaluated on an ad hoc basis. The technology offers a great opportunity to develop crops with very specific adaptations without long, costly, and often inefficient breeding strategies. Essentially, a single gene, with known effect(s), can be inserted into a species such as corn or beet, which confers a known trait e.g. resistance to pesticide. This trait could be created by breeding over many generations but with many unknown effects. That said, it is important to consider that a trait such as glyphosphate resistance will result in use of glyphosphate on the site to kill weeds. Many GM opponents assume this means high use of the pesticide. In fact, many studies show that pesticide use is actually much lower with this particular GMO. In my opinion, the reduced application of pesticide with the GM makes it a preferred crop to use on county land.   | 2/9/2016  |

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| 48 | Scott | Smith  | <a href="http://bit.ly/1QsAKcW">bit.ly/1QsAKcW</a><br><a href="http://www.crisco.com/products/coconut-oil/organic-coconut-oil">http://www.crisco.com/products/coconut-oil/organic-coconut-oil</a>   | Even the humongous Unilver, owners of Hellmans Mayo is jumping on the organic/non-GMO bandwagon: <a href="http://bit.ly/1QsAKcW">bit.ly/1QsAKcW</a> And Crisco is offering organic coconut oil! <a href="http://www.crisco.com/products/coconut-oil/organic-coconut-oil">http://www.crisco.com/products/coconut-oil/organic-coconut-oil</a> The demand is there...so we should be doing all we can to support our ag lands, and farming community, to help meet these market needs based upon the highest and best use for our open space ag lands.  | 2/10/2016 |
| 49 | Eliza | Rayner |   | Every day, Americans are exposed to over 450 different chemicals, 90% of which have not been evaluated for safety, toxicity and environmental impacts. Long term effects of low exposure to glyphosate (Round up) have not been conducted and glyphosate is now considered to be and listed as a possible carcinogen. The question is, how will long term low exposure to this chemical, combined with the hundreds of other chemicals we are exposed to daily effect us long term? We don't really know. I for one side with the precautionary principle and say remove this known toxin from our environment. In addition, while industry will claim many scientific studies have been done(all by the industry, and all short term) to show the safety of GMO foods, many scientific studies have also been done to show they are not safe. peer reviewed studies published in the Journal of Agriculture, Food and Chemistry, The Journal of Veterinary Science, Animal Science, Cell Structure and Function to name just a few raise reasonable doubts as to the safety of GMO crops for human consumption long term. As of January 2014, well over 300 scientists in the field of molecular biology signed a statement asserting that there is not a consensus about the safety of GE foods and that their safety has not been adequately demonstrated. 40% of the countries around the world including the EU, restrict, limit or ban GMO foods for human consumption and Boulder County should stand with those higher standards of safety for human health and the environment. Boulder County Open Space provides valuable habitat for thousands of organisms. Monocrops of sugar beets and corn sprayed with glyphosate is does not support a biodiverse and healthy ecosystem which is critical to the health of us all. | 2/10/2016 |
| 50 | Scott | Smith  | <a href="https://www.technologyreview.com/s/600774/top-us-intelligence-official-calls-gene-editing-a-wmd-threat/#.Vrp7hVy0J-4.twitter">https://www.technologyreview.com/s/600774/top-us-intelligence-official-calls-gene-editing-a-wmd-threat/#.Vrp7hVy0J-4.twitter</a> | Here, a story about the Top US Intelligence official calls gene editing "a WMD Threat." Think about it. You call a GMO "substantially equivalent" and "Generally Recognized as Safe" without the benefit of even one long-term human health feeding study that proves either claim. They examine the correlating health data: Illnesses has skyrocketed. And what's the key feature of GMOs? Poison-resistance....a so-called benefit for farmers who can non-selectively soak all the plants in their fields and "presumably" only kill that which they don't want to grow....without the implication of collateral damage.... <a href="https://www.technologyreview.com/s/600774/top-us-intelligence-official-calls-gene-editing-a-wmd-threat/#.Vrp7hVy0J-4.twitter">https://www.technologyreview.com/s/600774/top-us-intelligence-official-calls-gene-editing-a-wmd-threat/#.Vrp7hVy0J-4.twitter</a>  | 2/10/2016 |
| 51 | Scott | Smith  | <a href="http://www.idahostatesman.com/news/business/agriculture/article59341203.html">http://www.idahostatesman.com/news/business/agriculture/article59341203.html</a>   | It's my understanding that over one dozen organic farming operations have failed on Boulder County Open space since the GMO policy went into effect. I paste below an article that highlights the skyrocketing growth of organic farming operations in Idaho, which parallels over 14% growth per year nationally. My question is: what needs to change in the policy to successfully support organic (non-pesticide non-synthetic chemical input) and other sustainable practices to grow on Open Space Ag lands? Continuing to do the same things in the face of rapid consumer demand favoring non-GMO and organic foods seems to be a bit out-of-step with Boulder's food/nutrition needs. Change for the better away from the farm chemical warfare please. <a href="http://www.idahostatesman.com/news/business/agriculture/article59341203.html">http://www.idahostatesman.com/news/business/agriculture/article59341203.html</a>   | 2/10/2016 |
| 52 | scott | smith  | <a href="https://www.minds.com/blog/view/544019374143447040?utm_source=fb&amp;utm_medium=fb&amp;utm_campaign=marchagainstm Monsanto">https://www.minds.com/blog/view/544019374143447040?utm_source=fb&amp;utm_medium=fb&amp;utm_campaign=marchagainstm Monsanto</a>     | Aldi bans neonicotinoids, goes organic, rivals Whole Foods as healthiest grocery store.<br><a href="https://www.minds.com/blog/view/544019374143447040?utm_source=fb&amp;utm_medium=fb&amp;utm_campaign=marchagainstm Monsanto">https://www.minds.com/blog/view/544019374143447040?utm_source=fb&amp;utm_medium=fb&amp;utm_campaign=marchagainstm Monsanto</a>   | 2/11/2016 |

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| 53 | Savannah | Kruger  |   | I don't want GMOs and the pesticides that are attached to them on Boulder County-owned (i.e. Taxpayer-owned) Open Space Croplands. Please keep the bee's wellbeing as a priority in your decision making! I really appreciate all of the hard work that you all do for me and my community. Thank you for taking my perspective into consideration!   | 2/11/2016 |
| 54 | Lucia    | Harrop  |   | The chemicals that are synonymous with growing GMO crops are incredibly harmful to human and environmental health. County land should never be allowed to be poisoned with these chemicals. Please consider placing a permanent moratorium of any crop that degrades human and environmental health permanently. I am a lifelong resident of Boulder County.  | 2/11/2016 |
| 55 | Dale     | Durland |   | In 2011 the Commissioners promised to revisit Cropland Policy should there be new evidence of environmental harm related to GM crops and the neonicotinoid pesticides used to coat GM seeds. Since then there have been several studies demonstrating neonicotinoids contribution to pollinator harm and Colony Collapse Disorder. In addition, glyphosate has been declared a probable carcinogen by the International Agency for Research on Cancer of the World Health Organization. The assertion that glyphosate is a less toxic pesticide is being challenged by scientists and physicians. Glyphosate has now been proven to be bio-accumulative and is present in breast milk, urine, and maternal and fetal blood. It is implicated in Non-Hodgkins lymphoma. It is an endocrine disruptor and affects the human gut biome. In animal studies, it causes damage to kidney and liver cells as well as infertility and tumors at doses equivalent to environmental exposure. There are now calls to ban glyphosate pending further research. Those are the new arguments. Our previous concerns about the dangerous reduction in biodiversity, a chemical monopoly's control of our food supply (conventional sugar beet seed is no longer available to farmers who wish to plant it), potential contamination of non-GM crops, and the industry's effort to discredit any scientist whose research casts doubt on the safety of GMOs are just as valid as they were in 2011. We need to act now. I genuinely wish to support our local farmers and to help them find an economically viable alternative to GM corn and sugar beets. Surely, we can find a creative solution to keep our cropland under cultivation without environmental harm and production of unhealthy food. Boulder County's farmlands belong to all of our citizens and there are thousands of us (5,000 signatures on our petition in 2011) who are opposed to continued leases for GM crops. In 2011, two of three county advisory boards who had listened to months of community input and expert testimony recommended transitioning out of GM agriculture. Their recommendations were disregarded. Boulder County strives to be a model of sustainability. We need a Cropland Policy which is consistent with that. | 2/13/2016 |
| 56 | Scott    | Smith   | <a href="http://www.chicagotribune.com/news/watchdog/ct-epa-pesticides-dow-met-20160214-story.html">http://www.chicagotribune.com/news/watchdog/ct-epa-pesticides-dow-met-20160214-story.html</a> | The unfortunate aspect to GMO technology is the attendant pesticides and synthetic chemical companions. The entire menu is toxic from the seed coatings (neonicotinoids), the seeds themselves along with the pesticides. Yes, these are indeed tools in the farmer's toolbox but we are talking about these tools being used on a publicly-owned natural resource. I cite a recent article in the Chicago Tribune citing a Congressional inquiry into the new Dow multi-stack GMO, using a combined 2,4-D and Glyphosate, because the overuse of both chemicals individually has rendered them ineffective. May I suggest that this is a conclusion we, collectively as a community, don't want to experience. Can we all agree that our farmers and farm practices must chart a new direction for mutual prosperity: healthy farms, healthy soils and healthy community members courtesy of Boulder County Open Space farm lands. <a href="http://www.chicagotribune.com/news/watchdog/ct-epa-pesticides-dow-met-20160214-story.html">http://www.chicagotribune.com/news/watchdog/ct-epa-pesticides-dow-met-20160214-story.html</a>   | 2/15/2016 |

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| 57 | Pat     | Hobbs    | <a href="http://www.naturalhapa.com">http://www.naturalhapa.com</a> | I believe GMO crops are not beneficial to our health. We may be able to grow bigger sugar beets but studies have shown they are not better. This is because genetically modified crops require a cocktail of quite potent pesticides. We ingest many of the chemicals that are used in growing GMO corn and sugar beets. We don't need them polluting our environment or compromising our health. Bees are integral to crops. Many of the current pesticides used, including gyphostate, have been shown to be key in the development of multiple chronic diseases. I would like to see Boulder County raise crops in a much more organic manner and protect all of us from excessive use of pesticides and GMOs.  | 2/15/2016 |
| 58 | Gareth  | Hermann  |   | No GMOs on Taxpayer-owned Public Lands I am writing with concerns about the upcoming County Commissioner meeting on Feb. 29th regarding Genetically Modified Organisms in the Boulder County Cropland Policy. I am concerned that the County Commissioners are rushing the public process, that the county has not followed through in it's GMO data collection obligations outlined in the 2011 Cropland Policy, and that County Commissioners Elise Jones and Deb Gardener will fail to follow through on their campaign promises to ban GMO's when they ran for election. The GMO issue is also a pesticide issue. All GMO plants are used in conjunction with a chemical called glyphosate, which the World Health Organization upgraded to the status of "Probable Human Carcinogen" and recognized its danger to human health as an endocrine disrupter. Additionally, almost all GMO seeds are treated with neonicotinoids, which numerous studies have shown to destroy pollinator populations, damage the soil, and contaminate our groundwater. The County Commissioners are failing to protect sustainable agriculture in Boulder County, by allowing GMOs to be planted on our public lands. I pose 2 questions. The County Commissioners have until December to reach a decision on the review of GMO's in the Cropland Policy. 1. Why are they giving the citizens a couple of weeks and only one hearing on such a big issue, when we have all year to get community input and sort through scientific data? 2. The Cropland policy passed in 2011 delineated that all GMOs planted on leased County land must be recorded and tracked, why has the County failed to do its job? I insist that Jones and Gardner follow through on their campaign promises and ban GMOs on Boulder County land. Thank you, Boulder County resident and gardener | 2/15/2016 |
| 59 | kathryn | stephens |   | Please end the allowance of GMO crops in Boulder County. They deplete the soil of essential nutrients and are harmful to human beings.   | 2/15/2016 |
| 60 | Pat     | Hobbs    | <a href="http://www.naturalhapa.com">http://www.naturalhapa.com</a> | I believe GMO crops are not beneficial to our health. We may be able to grow bigger sugar beets but studies have shown they are not better. This is because genetically modified crops require a cocktail of quite potent pesticides. We ingest many of the chemicals that are used in growing GMO corn and sugar beets. We don't need them polluting our environment or compromising our health. Bees are integral to crops. Many of the current pesticides used, including gyphostate, have been shown to be key in the development of multiple chronic diseases. I would like to see Boulder County raise crops in a much more organic manner and protect all of us from excessive use of pesticides and GMOs.  | 2/15/2016 |

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| 61 | Scott  | Smith   | <a href="http://www.chicagotribune.com/news/watchdog/ct-epa-pesticides-dow-met-20160214-story.html">http://www.chicagotribune.com/news/watchdog/ct-epa-pesticides-dow-met-20160214-story.html</a> | The unfortunate aspect to GMO technology is the attendant pesticides and synthetic chemical companions. The entire menu is toxic from the seed coatings (neonicotinoids), the seeds themselves along with the pesticides. Yes, these are indeed tools in the farmer's toolbox but we are talking about these tools being used on a publicly-owned natural resource. I cite a recent article in the Chicago Tribune citing a Congressional inquiry into the new Dow multi-stack GMO, using a combined 2,4-D and Glyphosate, because the overuse of both chemicals individually has rendered them ineffective. May I suggest that this is a conclusion we, collectively as a community, don't want to experience. Can we all agree that our farmers and farm practices must chart a new direction for mutual prosperity: healthy farms, healthy soils and healthy community members courtesy of Boulder County Open Space farm lands. <a href="http://www.chicagotribune.com/news/watchdog/ct-epa-pesticides-dow-met-20160214-story.html">http://www.chicagotribune.com/news/watchdog/ct-epa-pesticides-dow-met-20160214-story.html</a> | 2/15/2016 |
| 62 | K.J.   | McCorry |   | I am opposed to Boulder County approving any GMO seeds to be used in our county. It is not fair to our organic producers whose crops maybe contaminated and affected. Further these seeds harm other wildlife, plants and ground soil that affects our water, our food and our insects, including bees. If Boulder truly wants to be the leader in our country on being green and sustainable, then we must limit GMO seeds and toxic fertilizers and pesticides from being used. If as a community we are going to invest significant money in renewable energy, sustainable transportation and waste reduction infrastructure, then we also much be consistent with our agriculture and lands. Thank you for your consideration to ban GMO seeds and other toxic chemical and fertilizers.  | 2/16/2016 |
| 63 | Jeanne | White   |   | I have lived in Boulder County for 45 years. Boulder has always been a leader in natural living ways and healthful conscious lifestyles. Growing GMO's on Open Space lands goes against this pattern and to me is very objectionable. The people of Boulder County have purchased these Open Space lands out of their taxpayer dollars. I do not believe that most taxpayers would endorse growing GMO crops on these publicly paid for lands. The fact that the seeds and pesticides from these lands can blow onto other Non-GMO and Organic crop lands and contaminate them, is an outrage. I think that growing GMO crops on public land should definitely be banned, or at minimum, it should be put to a vote. Sincerely, Jeanne White Longmont, CO   | 2/16/2016 |
| 64 | Becky  | O'Brien |   | I am part of the 71% of voters who want GMOs banned on Boulder County Open Space. I'm writing to urge Elise Jones and Deb Gardner to stick to their campaign promise to ban GMOs on Open Space. They asked for my vote to champion the cause. And now, I expect them to complete that campaign promise. I understand that it is a complicated shift and don't want any hardworking farmers put immediately in dire straits due to the change. However, we must shift decidedly in that direction. For farmers who will never stop using GMOs, we should move toward permanently ending the relationship with them. For those who are willing but need support, let's support them. And no new relationships with anyone growing GMOs. GMOs simply are not safe (certainly not proven safe) for human and environmental health. I don't want my tax dollars being used to subsidize this damaging practice. Thank you!   | 2/16/2016 |
| 65 | Nikki  | Dugas   | <a href="http://www.saladgroundkitchenshare.com">http://www.saladgroundkitchenshare.com</a>   | Hello Elise Jones and Deb Gardner! When you campaigned on promising to ban GMOs on Open Space, I believed you. Please do what you said you were going to do! I trust that you will both be honorable.   | 2/16/2016 |

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| 66 | Christina | Riegel |  | This is very concerning to read knowing that Boulder is a very progressive and knowledgeable community. There are European environmental studies on the harm that GMO/GE crops have caused to pollinators and are considered carcinogens. Additionally, there are studies worldwide indicating the organic farming produces the same amount of crop 80/20 as does the toxic GMO/GE crop. Further, in the International Air Transportation Association Dangerous Goods regulation, UN3245, it indicates that GMOs/GE are considered a toxic/6.1 for transportation which also means to a preparer of hazardous materials that I and the population around these public lands should not want this toxin on our public lands where our people, pets and wildlife roam and enjoy the environment. Lastly, over 80 countries have banned GMO/GE, why is this even a discussion item still under debate in the United States.   | 2/16/2016 |
| 67 | Laura     | Snider |  | Dear members of BOCC and POSAC, As you revisit the Cropland Policy passed five years ago, I urge you not to let the loudest voices be the only ones that are heard. GMOs are clearly something that a lot of people feel very passionately about and, in my experience, the people who oppose GMOs in this county are particularly loud about their opinions. In fact, many of the public meetings last time around seemed to be dominated by anti-GMO groups. But Boulder County is full of scientists, many of whom are not as loud but they understand that the available research does not back the hysteria. And I believe there's a good chance that the people who feel this way—who do not support the banning of GMOs—are actually the majority in this county. There are at least two data points from the last several years that support this idea. First, in 2014, the statewide initiative to label GMOs (Prop 105) did not just fail statewide, it also failed in Boulder County. <a href="http://webpubapps.bouldercounty.org/clerk/GeneralElection2014">http://webpubapps.bouldercounty.org/clerk/GeneralElection2014</a> Secondly the latest survey data the county has about the Cropland Policy ( <a href="http://www.bouldercounty.org/doc/government/2012bocopinionsurvey.pdf">http://www.bouldercounty.org/doc/government/2012bocopinionsurvey.pdf</a> ) shows that more people support allowing GMOs than oppose them. I believe the county should base its decision on the science and support the policies we need to have in place to allow the farmers who still work in this county to be successful and to make a living. Best, Laura Snider Lafayette | 2/17/2016 |



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| 68 | Katherine | Toan   |  | <p>I do not believe there is anything intrinsically harmful about GMOs. GM is a technology, and like any technology it may be used wisely or unwisely. In a climate changed world, which is no longer an "if" but a "when" and "how much," GM might allow us to breed stronger crops that can better survive the unpredictability associated with climate change - drought one year, flood the next. On the other hand, many of those who are currently using GM are doing so in a way that makes us more vulnerable, not less. Many citizens are upset about GM technology. I understand that completely. Which sources of information can you trust, when it comes to understanding the costs and benefits of GM? The profit motive breeds distrust of the science. Political battles over labeling the GMOs in our food supply, something that has been done in Europe since 2004, further push a skeptical public toward the idea that "Big Ag" has something to hide. This is not incorrect either - these businesses should earn our trust rather than spending millions of dollars to thwart public opposition. Agricultural producers, the farmers and ranchers who work to feed us, are true American heroes. They are also an aging, dwindling population. Boulder County's farmers average nearly 60 years old. Farming is backbreaking work, it doesn't pay well, and when your year's income depends on the vagary of Colorado weather? As a native New Yorker, we would say "fuggedaboutit." But we need small farmers. We need people with a personal fondness for the Highland cow, the Red Wattle pig, the Nebraska Beauty bean - or we will lose those heritage species and the genetic diversity they provide, forever. Genetic diversity is our true wealth in natural resources. Do GMOs provide real economic benefits to some farmers? Probably. Otherwise they wouldn't want to do it, considering the trade offs. The real question is: does the economic benefit to those farmers outweigh the cost to their neighbors and their environment? To the stability and resiliency of our food supply? Can we distinguish between "good" and "bad" GM? What can Boulder County do to support farmers, promote future farmers, and long-term agricultural and ecological resiliency? Boulder County already has a mechanism in place through their small grants program. Currently the small grants program may be used to support biological inventories and research to support the mission of Boulder Open Space. By opening the program to farmers and would-be farmers committed to increasing genetic diversity, integrated pest management, water conservation, and other "best practices," Boulder County can help farmers build long-term climate resiliency, reduce harm to pollinators, and reduce chemical dependency. Boulder County can work with its current agricultural fee structure to provide incentives to farmers, so that their economic wellbeing is better connected to the long term health of their environment. The County should also encourage young people to engage in agriculture with smaller, short-term leases with new on-site small or shared affordable housing options. As a resident, chicken and bee-keeper, I thank you for listening.</p> | 2/17/2016 |
| 69 | Mary      | Seeber |  | <p>I DO NOT approve of the ludicrous, criminal, NWO agenda proposed here by actually planting GMO corn and sugarbeets on PUBLIC OPEN SPACE LANDS!! Screw you Monsanto!!! Isn't it bad enough that we are all getting chemtrailed every single day?? Do we also have to have Roundup sprayed on PUBLIC LANDS to make more poison chem food that will likely contribute to giving people cancer?? How did this proposal even come forth as an option??? Are people so dumb and greedy that they would fall for this?? I hope not! NO farming or cattle raising should be done on Open Space lands. Try keep something in Boulder country clean and un-screwed up!!! HANDS OFF!</p>  | 2/17/2016 |

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| 70 | Mindy  | Green  |  | I vehemently urge Boulder County policy makers to disallow any GMO crops or related herbicides/pesticides/etc. on open space land in Boulder County. The evidence for the negative fallout is immense and it boggles the mind why the educated people of Boulder County even question this. Big agribusiness is behind the smear campaign to convince us all that GMOs are safe. THEY ARE NOT. PBS is currently airing a well-researched documentary on the dangers of GMOs. Exposure to GMOs negatively affects more than human health and our genes; also and more importantly they affect the environment, the insects that we depend upon to pollinate plants, etc. etc. I encourage your committee and the policy makers to take time to educate yourselves with this excellent piece of journalism, which speaks for itself. I live in this county because I hold the belief that the forward thinkers and ecologically minded citizens would know better than to continually have this discussion. Rather than attach a bunch of research links I urge you to please watch the documentary and do not allow any GMOs in Boulder County!! <a href="http://www.pbs.org/wgbh/harvest/">http://www.pbs.org/wgbh/harvest/</a> | 2/17/2016 |
| 71 | robin  | Claire |  | I absolutely do not want any gmo's or pesticides in Boulder county or anywhere really. The results are in and the poison is just not worth the huge cost. Look at the people who populate Boulder and the county, natural businesses, organic farms. Why mess that up? I will certainly NEVER vote for anyone who approves this use in Bldr co.   | 2/17/2016 |
| 72 | Martha | Dick   |  | It is inappropriate for public lands such as those in Boulder County to ignore scientifically vetted information concerning the use of chemicals known to cause negative effects when they are used. The public deserves to know they can trust the agricultural staff to make responsible decisions. The county is not a money making entity. Decisions should not be made to increase the income for people renting county agricultural lands.  | 2/17/2016 |

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| 73 | Jane    | Uitti |  | <p>I have worked on the policy and science of GE crops on Boulder County Open Space since 2001 when I was the county's policy analyst staffing the first GMO Technical Advisory Committee. As past member of the Cropland Policy Advisory Board, and subsequently Executive Director of FAIR, I have spent significant time educating myself about the credible science and farming best practices regarding GE crops. With that range of background and experience, I strongly support the current Cropland Policy, which permits all approved types of farming on taxpayer-funded open space leased to farmers, with considerations for best farming practices. Sustainability: Boulder County staff, in conjunction with CSU Extension, surveyed current leasing farmers representing organic, conventional, and GE methods, regarding farmers' own reported experience. That report, which has not yet been released by the Commissioners, not only showed there are no problems with coexistence between organic, conventional, and GE farmers, but also significant advantages to GE farming relative to yield and input costs per acre, higher yield, reduction of tilling (and resultant CO2 emissions), less water loss and runoff, and reduced diesel use. The study showed "...no conclusive evidence that one type of agricultural practice is more or less harmful" to pollinators. Additionally, the paper noted that of the many popular activist claims about toxicity and damage to farmers, "To date, none have proven true for Boulder County agriculture." This staff paper needs to be released and discussed in a public setting prior to any changes to current Cropland policy. To be certain, although GE technology has been shown to have very high ratings on soil, air, and water sustainability scales, alternative methods of farming are also equally viable. Nonetheless, it would be unwise to disapprove GE farming given these findings. Bees: While hobbyist beekeepers and activists blame pesticides, particularly neonics, on bee colony health issues, the professional beekeepers, represented by the Colorado Professional Beekeepers Association, do not support that simplistic assessment, and have presented information that advocates for a more scientifically-based approach to bee health. Safety: Safety studies of GE crops and ingredients are plentiful: over 1700 studies can be found at <a href="http://www.genera.biofortified.org">www.genera.biofortified.org</a>, an independent nonprofit organization. The Cropland Policy is working very well to ensure coexistence between all types of farming. Currently there are healthy economic markets for all types of farming on leased land. The county should continue to use metrics of sustainability as described above, to ensure responsible and good stewardship practices on our taxpayer funded land. All of us have paid for this land, and it should be used in ways that reflect all best farming practices, support for agriculture in all approved methodologies, and support for our diverse multigenerational farmers.</p> | 2/19/2016 |
| 74 | Barbara | Lamm  |  | <p>Humans have been modifying the genetics of plants and animals since the days of Gregor Mendal - and even before. And people have been eating genetically modified plants for hundreds of years. Whether modified in the lab or the greenhouse fruits and vegetables have become bigger, hardier and more nutritious. It is totally reasonable for our Boulder County farmers to grow a vaariety of crops in a variet of methods. Specifically sugar beets and feed cornwhich are disease resistant and requie fewer chemical pesticides are a plus in the farming mix. Previous Boulder County Commissionoeers have ddone a fabulous job of preserving Boulder County open space by buying and leasing land back to our local farmers. If we begin dictating to those farmers what they may or may not grow - and how they must grow it - we run a high risk of losing those farmers to other counties. And then what? I am frankly very concerned about the anti-GMO and anti-pesticide movement in Boulder. I fear that much of the apparent outrage is based on little fact and much misconception. and I am worried about what will happen to our farmlands when all the farmers leave in disgut.</p>   | 2/19/2016 |

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| 75 | Eric    | Cowan    |  | Hello Boulder County, I am a third generation Boulder resident, have graduated from CU Boulder (2013) and am back home after a year of travelling abroad. I am young and have seen this debate about GMOs continue year after year. I understand from a farming and agriculture/economic perspective it seems reasonable. However, the type of policies that we need our government especially or elected officials to make are the hard ones that say, no to practices that will result in dried up soil, cross contamination and generally profit over principal. While we do have a growing population and the needs of people to feed. It is not wise to continually invest in ideas that are only profitable in the short run. Please instead of focusing on quick fix solutions think about long term solutions. If you need any inspiration for long term sustainable solutions I'm available to help :). Thank you and I hope someone at your office is reading this. Eric   | 2/20/2016 |
| 76 | Martin  | Walter   |  | The alleged safety, i.e., GRAS, generally recognized as safe, status of GMO crops was a political decision, made contrary to the science of the FDA. Reference: ``Altered Genes, Twisted Truth," by Steven M. Druker, Druker is a public interest attorney who initiated a lawsuit that forced the U.S. FDA to divulge its files on genetically engineered foods. This exposed how the agency had covered up the warnings of its own scientists about the risks, lied about the facts, and then ushered these foods onto to market in VIOLATION OF FEDERAL LAW. This reminds me of the political decision to ``put pollution into the water supply of Flint, Michigan" and not tell anybody for a year or so. To the extent humanly possible, please give organic ag priority on county lands. It is good for the local economy, good for people who eat, good for jobs, good for the bees, good for local water, carbon deposition, good for the land, and much more.   | 2/20/2016 |
| 77 | Tiffany | Tompkins |  | The demand for organically grown foods in the US is enormous, especially in Colorado and the Western US. There's so much demand that only 20% of the industry's market needs are support with domestic production. That means we IMPORT the rest! As Boulder is a national leader in healthy lifestyles, produces a large amount of organic products, and is a model economy for such healthy lifestyles industries, it make NO SENSE to allow GMO, chemically-laden agriculture take place in Boulder county. There are plenty of farmers who will work the land organically, get higher margins for crops thus increasing economic viability for our local economy, not to mention the environmental benefits of local ag production! In addition to the blatant economic and environmental benefits of being GMO-FREE, as a mother, I do not want my children exposed to cancer-causing pesticides. It is our duty as citizens to ensure the safety of our children and I trust that the council has the conscious to do what is right for us all. The proof is in the science which I hope still holds value over money and greed.   | 2/21/2016 |
| 78 | Kyle    | Garner   |  | Please take this opportunity to show that Boulder is a leader in changing the way Americans think about agriculture and sustainability. We voted for commissioners that promised to ban GMOs on Open Space and we want to hold them to their commitment. Both Elise Jones and Deb Gardner campaigned on a platform to get elected by promising to ban GMOs on Open Space. There is no scientific consensus on the safety of GMO crops and evidence is emerging that GMOs lead to increased use of pesticides and herbicides. There is no doubt that this is harmful to both the land and the citizens of Boulder. If there was no other approach, it may be a risk worth taking. However, there are plenty of regenerative agricultural practices that not only provide for healthier crops, but also improve soil and air conditions. Boulder should be a leader in promoting this approach. As I'm sure you are well aware, research shows 71% of Boulder voters want GMOs banned on Open Space. Citizens are looking for better ways to improve the quality of our lands. Regenerative agriculture is a superior approach. Let's be the leader in these practices and start by banning GMO crops! | 2/21/2016 |

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| 79 | Louise | Brooke  |  | As a county resident, home-owner and tax-payer, and person who works within Boulder County, i ask you to represent me by completely banning genetically engineered crops on county-owned land. Please represent me by requiring that all crops grown on county-owned land be organically grown. Organic agriculture is so much safer for people who grow and consume the products resulting from it. It is safer in less direct ways as well: for breathing, for bees, for birds. Pesticides are being linked to the Zika virus now. thank you, Louise Brooke 1460 Quince Av. Boulder, CO 80304  | 2/21/2016 |
| 80 | susan  | enfield |  | As a 15-year resident of Boulder County, I am saddened by the need to submit a comment on this issue. A recent USDA report showed that wild alfalfa has been contaminated by GMO alfalfa in Washington, I believe--which was no surprise, since nature is not a contained laboratory and of course, GMO contamination is already happening and will spread the more GMO crops are planted. GMOs are labeled in at least 63 countries, due to consumer demand. Our trading partners have begun rejecting our imports due to concern about GMOs and contamination. More pesticide use, inappropriate patenting of seeds that interferes with ancient sustainable practices like seed saving, threatening bees that are critical to our food supply, the potential contamination and loss of native plant species that are locally adapted and may have unknown medical qualities, etc. I could go on with all the actual and probably negative consequences of dabbling with GMO ag and with the evil corporation Monsanto. To do it on publicly owned "open" space is irresponsible and reprehensible. Why do we think we need to plant GMOs? We have many, many better alternatives. | 2/21/2016 |
| 81 | KD     | Leka    |  | Hello; I am not concerned about agriculture on Boulder County land per se, and while I am concerned about GMOs in general, what scares me most in this context is the short-sighted "playing with fire" of additional and new pesticides. Even the most mundane and widely accepted of GMO crops, the Roundup Ready corn & soy, is shown to be leading to resistant weeds and more use of Roundup, which is a pollinator-poisoner. Boulder County MUST be a leader in moving this county, this state, this country, the WORLD AWAY from these toxins. I want all City and County Ag to be organic. Period. And I would love to see neonics banned from use, even household, in the cities within Boulder County. But if Boulder doesn't do this, and allows these crops on our land (OUR land!), in order to poison good bugs as well as bad, what hope do we have for our children and their world?   | 2/21/2016 |

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| 82 | Scott | Smith | <a href="http://www.gmofreeusa.org/news/articles-stein-druker-robert-wager-tvo-agenda-gmo-debate/">http://www.gmofreeusa.org/news/articles-stein-druker-robert-wager-tvo-agenda-gmo-debate/</a> | <p>It's become apparent that industrial Ag special interests continue to dominate Boulder County Open Space Ag policy. Fully 1/2 of all the 30 minute speaking slots were taken by GMO sugar beet proponents....a crop that occupied 134 acres of open space land in 2015. What's the big deal about a crop that's less than 1% of Ag lands? Indeed. Why is a commodity that's falling out of market favor, Hershey recently banned GMO beet sugar, and commands 2 cents per pound, a very poor return on investment for county stakeholders let along the farmer, being planted whereas other crops are higher value and non-polluting? Refined sugar is not food. In fact, it's hugely disruptive to health. It's sad that public concern is trumped by those who profit from the biotech dogma. Got a PhD appended to your name, Instant credibility, notwithstanding the lies and distortions they use. Many of these tactics, many of which were on display during the public testimony, are highlighted and refuted by Steven M. Druker, J.D., Executive Director of Alliance for Bio-Integrity, a public interest attorney, and author of Altered Genes, Twisted Truth. The book is well-researched and outlines ALL the holes in the GMO argument. Here is a link to a recent debate between Druker and a biologist from Vancouver University where Druker cites and corrects the lies. <a href="http://www.gmofreeusa.org/news/articles-stein-druker-robert-wager-tvo-agenda-gmo-debate/">http://www.gmofreeusa.org/news/articles-stein-druker-robert-wager-tvo-agenda-gmo-debate/</a> If you're going to continue to accept the industry propaganda and to put County resident's health and lands at risk with this current GMO policy, at least do so with the benefit of this information in mind. Back in 2011 when the commission passed the policy that serves about 10 people/farmers who use GMOs on open space lands, there wasn't the public information available that we have today. The highest and best use of these public lands should not include patented seeds and biocides. If annual cropping is not viable, convert the irrigated lands to pasture and open it to rotational animal grazing which will build soil (no soil building is taking place on open space ag lands), sequester water and carbon, and produce healthy food....locally.</p> | 2/22/2016 |

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| 83 | Rebeca | Larson  |  | <p>It appears the bulk of those commenting on IARC's classification of glyphosate as "probably carcinogenic" have been made by folks with a very superficial understanding of the organization and the context. In IARC's own monograph, they clearly state they made their conclusion with "little evidence for carcinogenicity in humans". Furthermore, they serve as one of four research agencies supporting the World Health Organization. The other 3 agencies all disagree with IARC's findings, leaving IARC in the minority. Furthermore since the release of the monograph, all other major agricultural and chemical regulatory bodies around the globe have said IARC's findings are incorrect, these include but are not limited to: The European Food Safety Authority, the Food and Agricultural Organization of the United Nations, The Australian Pesticide and Veterinary Medicines Authority, Health Canada, The United States Environmental Protection Agency, The South African Department of Agriculture, Forestry and Fisheries, the German Federal Institute for Risk Assessment, the Belgian Federal Agency for Health, Food Chain Safety and Environment, the Swiss Federal Office for Agriculture FOAG and the Argentine Ministry of Health. IARC does not take into consideration exposure rate or dose and comprehensive analyses of farm workers with the greatest exposure to glyphosate do not conclude a higher cancer rate for these individuals than the general public. When you look at the big picture the risk from glyphosate is actually lower than many herbicides approved for use on Certified Organic Farms. Concern over agriculturally applied pesticides and their subsequent residues in our food supply are not founded in science. As proven by a team of UC Berkley scientists, 99.99% of all the pesticides humans consume are NATURALLY produced by the plant itself. That is why the American Medical Association says Americans need to eat more fresh fruits and vegetables regardless of production practice and is a strong supporter of GE technology. For those who are still strong believers in IARC's findings despite the breadth of data against it please note IARC has also classified the following as probable carcinogens: cell phones, aloe vera, pickles and fried food (therefore these should all be considered for a ban in Boulder County as well) and the following are known carcinogens: alcohol, bacon, sunshine and coffee. So Boulder County residents should call for an immediate ban on outdoor activities, micro-breweries, coffee houses and breakfast diners. Oh yeah, and IARC says DDT is safer for humans than glyphosate...</p> | 2/22/2016 |
| 84 | tammy  | stewart |  | <p>Glyosphate is a known carcinogen. I live in Boulder County to have access to organic food from local farms. GMO grown food will kill our bees and have a possibility of contamination of our organic grown crops due to all the wind we get here in Boulder. Please protect our open space and our food and environment and say "NO" to GMO food on Boulder County open space. Thank you for your time. Tammy Stewart</p>   | 2/22/2016 |
| 85 | Larry  | Ehrman  |  | <p>I would like to put my support for allowing GMO's as well as Glyphosate resistant corn, sugar beets and alfalfa on lands leased from Boulder County. I believe that science supports that there is no adverse effects from GMO crops for human or livestock consumption and I believe the net effect on the environment is better when using these products as opposed to non GMO crops. We live in a time when world population is outpacing our ability to produce enough food to feed everyone and I feel that the only way our world can feed itself is with the use of GMO's. I understand supporters of non-GMO crops and feel they have a right to express their opinion and choose not to use GMO crops if they want. I do feel that they are infringing on the rights of the farmers leasing the county land by limiting the crops being raised, especially since I do not believe their opinion is supported by fact. I also feel that many in this opposition to GMO's have a personal interest in the ban of their use and will stand to gain financially if a ban is put in place. I believe GMO and Non-GMO farmers can exist side by side and both prosper in Boulder County.</p>  | 2/22/2016 |

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| 86 | Daniela | Howell |  | <p>The quest for sustainable food production is highly complex and there will never be a one-size-fits-all solution. The necessary solutions will inevitably be highly complex, multi-faceted and site-specific, but fundamentally we need to explore the impact of our agricultural models on the land, the climate, and on people’s wellbeing. Political and social barriers may delay the needed transition to regenerative agriculture. But change is wanted and needed. Boulder County is blessed with large tracts of land and an incredibly educated, environmentally conscious population who has voted to keep this land in agriculture, care for the health of the land, their health, and future generations. Boulder County would best represent its constituency if it bans GMOs and leads a model of regenerative agriculture, both in its croplands as well as its rangelands. A well thought-out transition plan is required.. GMOs need to be candidly evaluated in the context of the gruesome agricultural model they are part of, a model of fuel based, biocide-supported monocultures. Bare exposed soil, typical of monocultures dramatically decreases the effectiveness of rainfall. Water evaporates or runs off instead of soaking into the soil where it is available for plants and living organisms and recharges water tables. This change leads to increased frequency and severity of floods and droughts. Additionally, dead, bare soil is a source of carbon and contributes to climate change. It is important to note, that a large % of GMO corn is used to feed livestock in feedlots. Livestock currently consume around 70% of grains used by developed countries, and a staggering one-third of all grain grown in the world. The pesticides used in the production of these crops kills soil life, and have been shown to “bioaccumulate” in the fatty tissues of animals, with negative effects on consumers’ health. There is established proof of concept of multi-crop and pasture-crop production models that are conducive to healthy soils, biologically diverse systems, healthy and nourishing food, resilient land, and contribute to climate adaptation and mitigation. Boulder County lands under monocultures could be transitioned to polycultures that grow healthy food for humans. In addition, its rangelands should be managed to mimic Nature. Properly managed livestock on rangelands provide healthy, nutritious protein, contribute to the restoration of these landscapes, mitigate fire danger, increase effective rainfall and productivity, and remove of carbon from the atmosphere. At COP21, all nations committed to climate mitigation through cutting emissions and transforming agriculture to activate biological carbon sinks. The role of local leadership has never been more crucial in paving the road for transformation. It is imperative that Boulder County officials take these matters seriously, and lead with moral courage. The interests of big ag can not be supported by the liquidation of Boulder County’s ecological and social capital. A transition plan should be designed to address the political, social and financial implications of banning GMO and monocultures, mainly for the producers impacted. Farmers should be required and incentivized to do the right thing. Nature based models for agriculture will enrich our soils and our communities.</p> | 2/22/2016 |



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| 87 | Rebecca  | Larson   |  | Fear-mongering around GMOs has obviously worked on the Boulder elite who now claim all of Boulder County wants to only eat organics and not allow conventional farming. Many of us Boulder County residents are scientists who trust scientific consensus. According to Pew Research more scientists believe in the safety of GMOs than in human induced climate change. Scientific consensus is always true whether it fits your ideology or not. USDA-ERS data shows if we were to abandon GMOs and conventional agriculture on a wholesale level for organic farming, we would need to liberate 109 million more acres of farmland (that's 1.8 times the amount of all the urbanized area in the US and more than all the park and wild land in the lower 48 states today). Liberating this land would destroy native environments and biodiversity. In the next 50 years, farmers are going to have to produce more food than they have in the previous 10,000 years combined in order to feed our growing global population, we can't do this by giving up technological advances. Only 2% of the American public actually raises food. More Americans are held in the US corrections system. It is a challenging job requiring a special, dedicated character. As witnessed in the meeting on the 19th, the farmers, organic and conventional, support one another. THE ORGANIC FARMERS IN BOULDER COUNTY HAVE PUBLICALLY SAID THEY DON'T ADVISE BANNING GMOS ON OPEN SPACE. We need to trust the opinions of the those in the business and continue to support coexistence between organic and conventional farming. Furthermore, comprehensive data collection from the farms in Boulder County has shown that conventional farming, including the use of GMOs is sustainable and better for the environment than any other production practice. | 2/22/2016 |
| 88 | Caroline | F        |  | If we are not going to be growing GMO crops on Open Space Land, can we frack it instead?   | 2/22/2016 |
| 89 | Colleen  | Callin   |  | I say NO to GMO farming on Boulder property. Yes, it is very probably bad for bees, our health and our environment but for pure economic reason we should keep the Boulder Valley Farms a GMO free zone. Our county is booming with organic and healthy food businesses let's keep that money making image going. Marketing in and for Boulder County is benefitted by the image of clean air, healthy living and being good environmental stewards. Why take a chance on tarnishing this great image/marketing tool by allowing a few farms to use GMO's. Cost benefit analysis would strongly suggest a NO vote on allowing GMO's.   | 2/22/2016 |
| 90 | Ward     | Anthony  |  | Our public lands were not set aside for private profit. Glyphosate does not belong in our pristine soils. There should be a vote by the people on whether we should, for research purposes, set aside tracts for this type of study. And it should be for a study. Profiteers salivate over the possibility of making our set aside lands their possession where they make a profit and we the people accept all the negative effects.. Stop letting this happen.  | 2/22/2016 |
| 91 | Michael  | McIntyre |  | Dear Commissioners, I would like to address the use of public land in general. Which in this particular situation, pertains to the use of genetically engineered corn and sugar beets on open space agricultural land. I believe the use of public land in any circumstance must first take into account the health and safety of who this land was and is for, the public. The use of genetically engineered crops has not, to my knowledge, been scientifically proven to either harm or not cause harm. The alternative to this, not using GMO crops does has factual, historical evidence not to cause harm. In light of this I feel one must, in the interest of the public welfare not permit the use of this agricultural practice or any use of public land that may pose a risk to public health and safety until science proves otherwise. As stated in the Hippocratic oath, which I feel is applicable in this circumstance as well. Our first intent should be to "Do no harm" Thank you for your work regarding this issue. Sincerely, Michael McIntyre  | 2/22/2016 |
| 92 | Laura    | DeLuca   |  | I do not want GMOs in Boulder because the science is unclear about whether they are damaging and I do not want my children to be the guinea pigs   | 2/22/2016 |

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| 93 | Rebecca | Larson |   | During the meeting on February 19th with the county commissioners, one presenter called GMOs "an abomination" and said we should only eat things "found from nature". It should be noted nothing we eat today came about naturally. Man has been intervening since the beginning of time to make plants yield more, taste better, be more widely adapted and less seedy. Over 2,500 plant varieties used today were made in a lab by soaking seeds in chemicals and bombarding them with radiation to induce random mutation in their DNA. Even those these plants contain genes never before seen in nature, no one is crying out for their ban. Even sunflower (pictured in the back of this website) is a chemical mutant made o be resistant to a commercially available herbicide. How is this different than GMO? Its different in that this lab-based, man made product is labeled as "natural and organic", never tested before release to the public, designed to be resistant to a herbicide far more toxic than glyphosate and to which more weeds are already resistant. Transfer of genes between species is also now known to happen in nature. The sweet potato we all know and love today got its bulbous shape when a bacteria naturally transferred a gene into the plant some 8,000 years ago. We, as human beings, are also contain at least 145 different genes transferred to us from different species over time. Glyphosate tolerant crops have been made up introducing a second copy of a gene they already contain (EPSPS) with a small modification to it based on a bacterial sequence. Fundamentally, it is no different than the sweet potato example given above. | 2/22/2016 |
| 94 | Dale    | Ball   |   | I do not feel that it is appropriate for Boulder County to allow GMO crops to be grown. Why encourage glyphosate-dependent crops that often also use neonicotinoid pesticides that are now known to be harmful to bees and other pollinators and persist as poisons in the soil for many years? Why not encourage organic practices for smaller farmers ? If Open Space must be used as agricultural land at all, please let it be with healthy organic practices and not with the short-term, profit-driven motives of big agriculture. Thank you, Dale Ball   | 2/22/2016 |
| 95 | Scott   | Smith  | <a href="http://www.earthisland.org/journal/index.php/elist/eListRead/science_used_to_regulate_roundup_is_outdated_says_new_study/">http://www.earthisland.org/journal/index.php/elist/eListRead/science_used_to_regulate_roundup_is_outdated_says_new_study/</a> | The biotech Ag industry has defined the discussion and divided the public into farmers and everyone else. The narrative suggests less pesticides are being used with GMOs, notwithstanding the neonicotinoid seed coatings and persistent insecticide engineered into the plants themselves, all while claiming that Round-up is perfectly safe....Says the GMO Fox guarding the public's open space hen house. As the industry refrain and monotony goes, the free market continues to respond and fraying the edges of the GMO narrative, which in this case suggests that the science used to regulate Roundup is outdated.<br>http://www.earthisland.org/journal/index.php/elist/eListRead/science_used_to_regulate_roundup_is_outdated_says_new_study/ This is just another justification to impose a moratorium on GMOs on open space, preventing any new crops and limiting the acres where these crops are planted.   | 2/22/2016 |
| 96 | Barbara | Hanst  |   | Please do not allow GMO crops on Boulder County Open Space.   | 2/22/2016 |
| 97 | Judy    | Feland |   | I was a Volunteer Naturalist for Boulder County 1980-1985. I resided in Boulder 1973-2014 and now Louisville 2014 - present after my condo in Boulder was flooded, reconstructed and sold. I fell in love with Boulder City and County upon my family's arrival as IBM transferees. Coming from Kentucky where there was beautiful land but all private, I was ecstatic to have open space public land. For the past several years, I went on a number of the Agriculture Tours sponsored by Boulder County. I was shocked and appalled to learn that GMO corn had been approved by the county to be grown , especially at Rock Creek Farm where I led so many hikes for the public. On subsequent tours, I learned that there were more sites. There was NEVER a VOTE BY THE PUBLIC to allow GMO crops ( and all the negatives that follow that practice like loss of pollinators and cancer causing pesticides, etc) on the Public Open Space Land that we did vote for and pay for with our taxes. Cease and Desist all GMO crops on Open Space land, PLEASE!! Judy Feland 1450 Lincoln Ave # 213 Louisville, CO 80027 judypf@aol.com  | 2/22/2016 |

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| 98  | Ted      | Bujalski |  | Through collective stewardship and hard work Colorado stands with the finest agriculture areas in country. Sugar beets, corn, beans and small grain production are integral to the successful business model of the Boulder County farmer. Support the growers that and their families that have been, are now and will be Boulder County. Allow GMO practices on open lands.   | 2/23/2016 |
| 99  | richard  | sykes    |  | Why is it considered necessary or even a good idea to grow roundup ready crops on public land? will there be a promise, kept, that roundup won't be used on them? we just don't need any more roundup where it's not absolutely necessary, and the choice IS available. Please take the lead on this issue and keep more pesticides and herbicides away from our lives.   | 2/23/2016 |
| 100 | john     | ware     |  | I strongly object to the growing of any GMO's anywhere in Boulder County  | 2/23/2016 |
| 101 | Judy     | Ware     |  | I am 100% opposed to any and all GMO farming on public lands in Boulder County. Do not let a few profit at the expense of the public, the native animals and ecosystem. Mother nature knows best and organic farming is the only farming that should be allowed. Our Open Space public lands need to be preserved for generations to come. Do not allow any toxic product or GMO plants anywhere near our open space. You are our stewards and your job is to protect this land.  | 2/23/2016 |
| 102 | Ruth     | Thomas   |  | Why would anyone use GMO seeds of any kind? You are killing people, animals and insects. Europe has banned GMO use and products, why is our country so backwards? Stop MONSANTO from killing living things in BOULDER COUNTY!!!! I am appalled that this issue is even up for conversation. I will move out of the area if this is approved. Show you care for the well being of your constituents.   | 2/23/2016 |
| 103 | Barr     | Hogen    |  | Our community of Organic farmers should not have to worry about cross contamination of GMO's. As a tax payer in Boulder, I do not want GMO crops to be expanded. There is really no reason for extending open space farm land to crops that require heavy, toxic pesticides use and patented seeds. Thanks  | 2/23/2016 |
| 104 | Patricia | Martin   |  | Due to the incredible debate around GMOs and the lack of scientific demonstration of their safety to humans and the environment, I strongly prefer that GMOs are not planted and that Round Up and similar chemicals are not used on any city, county, or state lands. We should insist that these potentially dangerous chemicals, plants, and animals are thorough vetted by unbiased scientists through a non-corporate funded process before allowing them (to continue) in Boulder County. I have lived in Boulder County since 1980, and as a long-time resident, strongly do not want GMOs in Boulder County. Prove that they're 100% safe before even considering them. Thank you.  | 2/23/2016 |
| 105 | Nancy    | Paranka  |  | I attended the large hearings about this several years ago and could not believe that we can't seem to say no to letting people grow GMO crops on public land. Farmers can buy their own land and do what they want with it but if Boulder county can't take a stand against GMOs on their own land -- ??? Look to Europe and the rejection of GMO crops, we just don't need this experiment here in our county, it's important to maintain some land that GMO free in case this experiment doesn't pan out. Just for the record I am more against the corporatization of our seed stores and food chain than I am against the GMOs themselves. We should be promoting organic agriculture and smaller farms. Good for land, good for nature, good for us. That's what I am interested in supporting. The relative wealth and privilege of our county compared to the broader country should be be used to LEAD the way into the future. If we can't even control how our public land is used (should be organic practices only), how can other counties with less power and privilege find their way? Let's be independent thinkers, stand away from big Ag interests, and chart our own course! | 2/23/2016 |

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| 106 | Pat       | Cantwell  |  | I implore Boulder County Parks and Open Space to stop all use of GE crops. I believe contamination beyond intended use is almost a sure thing, especially alfalfa. I believe soil degradation from chemicals and lack of natural considerations will ruin the bioactivity of the land. We should be using all our available cropland for natural farming to enhance and take care of our bees and our beautiful biodiversity. Please do this for or children's sake!  | 2/23/2016 |
| 107 | Kimmerjae | Johnson   |  | Because I care about the general health of Earth, our bees, my landscape design clients, their families and myself, I avoid GMO's in all my purchases and plantings whenever possible. This becomes impossible when these genetics and their associated chemical controls escape and persist throughout our ecosystem, which includes our own bodies. With the support of the citizenry, Boulder County can and should be a leader in holding firm against Big Ag's profit-motivated 'logic.'   | 2/23/2016 |
| 108 | Michael   | Holtz     |  | My comment is quite simple....Boulder county is home to many organic farms and many organic farm to table restaurants and to many organic food companies. It makes no sense to continue to allow use of glyphosate-resistant (Roundup Ready) GMO corn and sugar beets on Boulder County-owned agricultural lands leased by these farmers. These farmers have had 5 years to transition to non-GMO based farming practices, and if they have not, it is not the County's problem and they must now be forced to change or not have their leases renewed.   | 2/23/2016 |
| 109 | David     | Schwartz  |  | GMO crops are a bad idea. Messing with corn, especially on publicly owned lands is a worse idea. I don't want GMO crops and certainly growing them on publicly owned land is even less in the area's interests. It's not in my name. Don't sell out!  | 2/23/2016 |
| 110 | Bella     | Icenhower |  | As a naturopathic doctor and someone concerned with public health, it is unconscionable to imagine that Boulder County would use public lands owned by taxpayers to grow GMO -Round-up Ready crops when there is enough evidence that genetically-engineered foods have not had enough research to be declared safe. Glyphosate has now been declared to cause cancer which enters our water, air and foods. Boulder county is thought to be progressive and to think out of the box. Please do not bend to corporate persuasion and compromise the health of the public and our wildlife. When one species is killed off, be it plant, insect or animal, our link and ability to thrive is weakened, slowly but surely. We do not understand how all of life is interconnected and interdependent. Using science to engineer foods and chemicals is not in the best interest of nature. We need to protect our biological connection and community with all of our might. There are many proven effective methods of farming that are sustainable and leave our land, our legacy, to our children to provide them nourishment that promotes health and vitality rather than disease. No one in their right mind would vote to have these mono-crop, GMO, Round up sprayed crops growing in their back yards unless they are being paid to vote this way. Have a clean conscience when you go to bed by voting no. You will live longer and healthier for it. | 2/23/2016 |
| 111 | Susan     | Peirce    |  | Ending the approval of GMO corn and sugar beets on county-owned open space lands would create new opportunities for economically viable local food alternatives. Please vote no to GMO crops on taxpayer-owned county lands!  | 2/23/2016 |

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| 112 | G Dale   | Greenawald |  | Honorable County Commissioners: I am contacting you to express my position re agricultural land use policies on county owned land. I recognize that this is a complex and controversial topic, but the scientific evidence and uncertainties as well as other factors demands that GMO crops be excluded from public land. First, a 2011 survey indicated that 71% of voters rejected the use of GMO's on county land. Second., GMO are primarily used to allow use of Round Up Ready crops immune to glyphosate. Independent research not funded by Monsanto and other glyphostae producers is increasing finding that this chemical is carcinogenic and dangerous at low concentrations. The WHO recently classified glyphosate as a likely carcinogen. Other research may be ambiguous, but do we truly want to run the risk of discovering the 25 or 50 years from now that glyphosate is carcinogenic? Think of the damage caused by DDT as an instructive example. Third, while the economic track record of farmers on county land is not encouraging, what efforts have been made to assist them, how knowledgeable were they, and if organic farming is so margin why do organic farmers want to launch operations on county land? Fourth, organic, sustainable and regenerative farming all provide example of alternatives to chemical intensive GMO farming models. GMO is not sustainable , depletes the soil, and harm biodiversity through water and air contamination. Fifth, Boulder has long enjoyed a reputation for environmental protection and sensitivity, healthy lifestyles and cutting edge commitments to sustainability It seems that the present review provides a sterling opportunity to continue that tradition and to honor the Transition to Organic mandate passed in 2011. Additional arguments in support of banning GMO's could be presented ,but in the interest of honoring you time I will limit myself to these as I believe that they are the most salient. Thank you for your consideration of my concerns Respectfully Dr G Dale Greenawald | 2/23/2016 |
| 113 | Bonnie   | Schwab     |  | Ban GMOs, period. Boulder County is a leader in healthy, vibrant community. There is no place for GMOs here.   | 2/23/2016 |
| 114 | Lawrence | Crowley    |  | I strongly oppose the growing of any GMO crops on our public lands. They have not been proven safe for human consumption and require the use of cancer causing pesticide to grow. There is evidence their engineered genes can jump to local wild plants. In short, their benefits to the farmer do not outweigh their potential harm to the public.   | 2/23/2016 |
| 115 | David    | Loy        |  | Given the growing controversies over the use of genetically-modified crops and glyphosate-resistance, it is important to protect our health and the health of future generations from possible adverse effects. It is time to stop their usage until it can be definitely established that they are not affecting our health adversely.  | 2/23/2016 |
| 116 | Paolo    | Bonetti    |  | Glyosphate is dangerous and I believe GMO cops will eventually be proven to be harmful to humans. Please listen to the people of Boulder and beyond and ban the use of GMO crops in Boulder. Thank you.  | 2/23/2016 |
| 117 | JoAnn    | Keller     |  | I have been following the research on gmo's for over 15 years now. Even though it is difficult to find, it is out there. Look at what happened in India, to the farmers committing suicide and to their diseased herds because they were fed gmo crops. Looke at all the European countries that have banned all gmo crops. Look at how Monsanto is a corporation only looking out for its own profit. Looke at the research of gmo food crops in the USA and the incredibly high rates of digestive health problems such as celiac disease. People have eaten wheat products for thousands of years; but cannot do so now, because of the "new and better" gmo wheat. We cannot eat it. Livestock cannot eat it. Why is this even being considered?   | 2/23/2016 |

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| 118 | Jason  | Bartell  |  | I am writing to request that Boulder County ban GMO crops on open space land. In 2011 a poll found the majority of Boulder County residents are against planting GMOs on open space, and, further, indicated that a ballot measure to ban GMOs would easily pass. Varieties such as Monsanto's RoundUp ready encourage the excessive use of glyphosate as the plants are engineered to be more tolerant of it. Glyphosate is categorized as a carcinogen by the WHO; we do not need more of it being sprayed in the county. Boulder County should be encouraging sustainable, low impact farming on its land. Growing crops from plants that were genetically modified in a lab and using synthetic pesticides does not meet this criteria. Please ban GMOs from Boulder County open space land. Thank you, Jason Bartell  | 2/23/2016 |
| 119 | mary   | penttila |  | No more GMO's in beautiful Boulder. Let us, being the only intelligent community in Colorado, have at least some degree of agricultural decorum. We must lead this state in agricultural sanity. Europe doesn't even allow GMO's. It is disgusting that we could conceivably allow anything that could potentially harm bees, butterflies, normal pollinating bugs, the soil, the migrant workers and the air to merely for agricultural greed and Monsanto, Bayer and Sny-whatever profits and agricultural control. Stop their destruction and propaganda of greed and poison. Look what they have already done to Kauai--the most beautiful place in the US--making it toxic with GMO experimental farms, poisoning farm workers causing cancer. Oddly the zita mosquito has appeared there now. The super bug/virus/disease connection is at a serious crisis point. Just add more and more toxins to the soil, GMO everything and just see what other super bugs/diseases we can create. The scientific proof that Monsanto purports to be the truth about their toxins has been performed by corporate-paid-for-scientists hired to manipulate facts. Any study can be easily manipulated to pronounce that it 'just won't hurt a little old thing.' We have more scientists here in Boulder than any other place on earth. Let us use our collective scientific intelligence to save this area, if only for example. They can't buy everyone---only the stupid or uninformed. | 2/23/2016 |
| 120 | Hazel  | McCoy    |  | Five years ago 71 percent of Boulder County voters surveyed wanted GMOs banned on county-owned lands. Now is the time to do just that. Ending the approval of GMO corn and sugar beets on county-owned open space lands would create new opportunities for economically viable local food alternatives. A group of volunteer citizens has prepared the Citizens' Cropland Policy as an alternative to the County's Cropland Policy. The Citizens' Policy bans GMOs and focuses on soil health and regenerative agricultural methods, prioritizing crop production for local markets. I suggest that the commissioners implement the Citizen's Cropland Policy on our county-owned land now!  | 2/23/2016 |
| 121 | Twyla  | Ryan     |  | I agree with using open space for agriculture, but ONLY if that agriculture is for organics, non gmo, and no chemical pesticides. Our environment and the creatures living in it, including humans, have the right to exist without the interference of megacorporations who could care less about us or our safety and health. We deserve an "unmessed with" place to live. No fracking or oil drilling either. Thank you for your time.  | 2/23/2016 |
| 122 | Angela | Green    |  | Dear Commissioners, Please vote NO on allowing GMO crops on BoCo open space. Like most citizens I am deeply concerned about my health. Most chemicals used, on GMO crops, and non-organic crops to eradicate weeds and insects are extremely toxic to humans, animals and beneficial insects. I moved to Boulder in 1994 for clean, healthy living. Not to have my air, ground water or land turned into a toxic dump. Boulder Counties reputation as a supporter of health, fitness and vitality should not be tarnished by allowing dangerous, carcinogenic farming within its borders. Please support natures goodness and vote NO on GMO farming. Sincerely Angela Green 4895 Twin Lakes Rd. #5 80301  | 2/23/2016 |

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| 123 | Lenora     | Cooper    |  | Dear Commissioners, I am writing you to urge to bring your policies into line with the will of the voters and the populace that you serve by first of all reversing your policy of allowing GMO crops on tax payer owned County land and the further more ban any and all forms of Roundup ready crops. There are much cleaner, safer, healthier, just flat out better options available such as the Citizens Cropland Policy. Sincerely, Lenora Cooper   | 2/23/2016 |
| 124 | Avery      | Ellis     |  | To Whom it May Concern; The use of Glyphosate in farming is not safe and I do not want to see it sprayed on our public lands where it can endanger habitat, soil, our water supply, and local people. The planting of GMO crops encourages these reckless behaviors on our public open space. I would like to see the transition to organic production on open space. I am in favor of low water use crops that are naturally disease resistant, such as sunflowers, millet and hemp. Thank you for your consideration of these comments.   | 2/23/2016 |
| 125 | Carla      | Behrens   |  | Please discontinue the use of GMO seeds and pesticides on Boulder County open space used for farming. Residue from these farming practices floats over and permeates, from ground water, contaminants that adversely affect the organic farming done in our county. I am an organic gardener and do not want my garden contaminated and destroyed. Pesticides also adversely our bees, other pollinators and beneficial insects. My family and I have food allergies that are exacerbated by GMO products.d   | 2/23/2016 |
| 126 | Mickey     | Stockwell |  | The land that has been sprayed with glyphosate is essentially dead of microorganisms that define a healthy growing environment. It will take years to restore it so it is fit to grow real food again. I voted for these commissioners BECAUSE they pledged to end the leasing of openspace lands to GMO farmers. I will NOT do it again if they do not fulfill that promise ! Although I try to grow organic food in my garden, the lack of pollinators the last several years has resulted in the loss of apple, blackberry, and strawberry crops The extensive harm that these crops/chemicals do to our health, farmlands, and economy may not ever be completely erased, but if we don't end their reckless use, the result will be a nightmare. | 2/23/2016 |
| 127 | Lena       | Michels   |  | Please do not allow GMO crops on Boulder County Public Land. GMO crops are dangerous, and at the very least very controversial. The Public Land belongs to all of us, and should be a positive addition to all of our lives. Allowing GMOs is like allowing smoking. The decision by a few impacts everyone, wheter you like it or not. You can't get away from it. That's why we've banned smoking in public areas. Boulder is an educated, healthy community on the forefront of environmental and health issues. Listen to the people. Ban GMOs.   | 2/23/2016 |
| 128 | Cara       | Anderson  |  | I am staunchly against allowing GMO-engineered crops on Open Space land. More and more damning information is coming out about the effects of GMO products, and especially about the use of glyphosates on these crops, which are now known to be carginogenic. We can be real leaders on this issue by banning GMO crops on our Open Space lands. Please, please do the right thing for our environment and the health of our citizens.  | 2/23/2016 |
| 129 | Stephanie  | Grainger  |  | Please ban GMOs on all county open space land. Thank you  | 2/23/2016 |
| 130 | Martha W D | Bushnell  |  | Please do not allow GMO crops to be grown in Boulder County . Growing Glycophosphate resistance crops in Boulder County is dangerous for the residents of Boulder county as well as bees and other essential life. It would be much healthier for the residents of Boulder county to have all crops grown in Boulder County be grown organically. The residents of Boulder County have become aware of how dangerous pesticides are for them as well as for bees and other living things in our county. Please ban all crops that require the use of pesticides.  | 2/23/2016 |

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|-----|----------|-----------|---|--|-----------|
| 131 | Judy     | Schilling |   | It is unbelievable that in health-conscious Boulder County, GMOs are still allowed. It is well known that they will contaminate any organic crops anywhere near them, rendering organics doomed to be taken over. Once this happens, it is irreversible. We want organics! Europeans are much more progressive in making sure their food is safe from Roundup Ready crops! Shame, shame, shame!  | 2/23/2016 |
| 132 | Ken      | Switzer   |   | Please change the policy to NOT grow GMO crops on open space land. I think you should go further and ban all glyphosate based products e.g. Roundup and any other product made by Monsanto. I view them as the most evil corporation on the planet. They lie through their teeth, pay scientists to lie, doctor research results and are hugely destructive to the planet and peoples lives. I am not against GMO's in general - if there is proper testing. But the way Monsanto has implemented GMO's is criminal in my view. Testing of any human or animal fed crop needs to be rigorous not the "hand-wave" or GRAS approach that Monsanto takes. Glyphosate has been designated as a likely cancer causing chemical by WHO. Many other countries BAN Monsanto crops because they are dangerous to their citizens. The FDA and USDA have been taken over by former Monsanto employees that do whatever Monsanto wants in the US. I don't know how any Monsanto employee can sleep at night with all the toxic chemicals they are forcing into our food supply.  | 2/23/2016 |
| 133 | Michael  | Jones     | <a href="http://www.localfoodshift.pub/dear-presidential-candidate/">http://www.localfoodshift.pub/dear-presidential-candidate/</a> | There is a lot of misinformation about GMOs. I recommend reading the following very informative article about GMOs.<br><a href="http://www.localfoodshift.pub/dear-presidential-candidate/">http://www.localfoodshift.pub/dear-presidential-candidate/</a> Sincerely, Michael Jones  | 2/23/2016 |
| 134 | Tiphaine | Bonetti   |   | We do not know enough information about long term impacts in health of individuals, animals and land from use of GMO products. These products mix through wind and irrigation with other non-GMO plants and contaminate our traditional food and plants and soil. Please do not allow these on our co-owned land.  | 2/23/2016 |
| 135 | Sherrie  | Munday    |   | Five years ago this issue was one of the most divisive the County had ever encountered. In 2011, 71 percent of Boulder County voters surveyed wanted GMOs banned on county-owned lands. Instead of banning GMOs, the County Commissioners approved the use of Roundup Ready GMO corn and sugar beets for five more years. Now farmers want to expand that list to include Roundup Ready alfalfa and drought-resistant corn. In 2012, two commissioners, Elise Jones and Deb Gardner (incumbent), were elected on a platform to ban GMOs on open space lands. Next week's public hearing is the first time since their election that they will be addressing this issue. Ending the approval of GMO corn and sugar beets on county-owned open space lands would create new opportunities for economically viable local food alternatives. A group of volunteer citizens has prepared the Citizens' Cropland Policy as an alternative to the County's Cropland Policy. The Citizens' Policy bans GMOs and focuses on soil health and regenerative agricultural methods, prioritizing crop production for local markets. It's time for the citizens of Boulder County to take back the management of county-owned open space lands! NO GMOs!! WE the people have spoken.... | 2/23/2016 |
| 136 | Andy     | Malkiel   |   | NO GMO crops on public lands! All farming/ranching on Boulder public lands should be done in accordance with organic procedures. Protect the bees!   | 2/23/2016 |
| 137 | Nathan   | Knecht    |   | I am highly opposed to the continued use of glyphosate-resistant crops and the continued application of round up ready product.  | 2/23/2016 |
| 138 | Nathan   | Bowen     | <a href="http://boulderco_open.space.ge.crops_02.23.2016.pdf">boulderco_open.space.ge.crops_02.23.2016.pdf</a>                      | Please see attached letter from the National Association of State Departments of Agriculture.  | 2/23/2016 |
| 139 | Sandra   | Snyder    |   | Hello, I cannot attend the public hearing, but wanted to voice my strong opposition to allowing GMO crops on our public lands. Thank you, Sandra Snyder  | 2/23/2016 |



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| 140 | Anita        | Gronstedt  |  | GMO manufacturers spend 100s of million of dollars marketing to hide their products. Why? Other businesses are marketing to proudly show their products.   | 2/23/2016 |
| 141 | Leslie       | McLaughlin |  | Please do not allow the use of GMOs in Boulder county. As a nurse, mother, and conscious eater, I am very concerned about the long term damages on the environment (such as soil health and bees/pollinators), food and seed security, and human health from using GMOs. Best farming practices that are truly sustainable take into account the health of the whole ecosystem, including the well being farmer/farming family. GMO crops do not promote a thriving ecosystem of soil, plant, animal and farmer. While I don't live or farm in Boulder county, I purchase much of my food from farms in Boulder county. I will reconsider my patronage to Boulder producers should the agricultural lands and open spaces be contaminated with GMO crops. Please consider what is best for the long term health of the local soil, community, and economy and renew the ban on GMO crops in Boulder county. Thank you for your consideration. Sincerely, Leslie McLaughlin   | 2/23/2016 |
| 142 | L            | Biernacki  |  | I strongly urge the county of Boulder to reject the use of GMOs on public lands. In addition to the overwhelming evidence pointing to the impossibility of keeping GMOs out of other fields when planted, the bottom line is that the citizens of Boulder county have voted for open space-- which means NOT to have this space turned over to bad land managing practices. There is also the considerable health concerns associated with GMO farming, most of which uses gyphosate, which has been shown scientifically to be a carcinogen. We certainly did NOT vote to pollute our open space with a known toxic carcinogen-- this both for the sake of humans and for the sake of the sustainable land practice as well. A better practice would be to use permaculture farming, which offers a capacity to enrich the soils and at the same to to produce much more food. There is a growing, thriving movement centered on organic food; Boulder is currently at the forefront of this movement nationally. It is completely counter to the ethos of Boulder's population to allow GMOs to be grown here. It's bad for our health; bad for the land, bad for us. Just say NO. Also GMO crops are known to be destructive to the bee population, and if we want to survive at all as a species we cannot lose the bees who pollinate our food. | 2/23/2016 |
| 143 | Jene         | Starr      |  | Unfortunately, the County Commissioners decided to ignore the request of 71% of voters and went ahead with this project. The health of the planet, our food supply, and many pollinators is not worth a few biotech farmers and their big money. Science has shown that using glyphosate-resistant crops is harmful. Yields are not any larger than regular crops, more pesticides and herbicides are needed for weed control, it is killing the bee/pollinator populations, and it leaves the land itself sterile. The bacteria and other microorganisms that thrive in the soil and make it fertile, cannot thrive in soil where glyphosate has been used. For these reasons, I am requesting that this Commission will deny any further use of open space agriculture land. Thank you.  | 2/23/2016 |
| 144 | Patricia Kay | Youngson   |  | No GMOs in Boulder County open space. We don't need the (probably carcinogenic) glyphosates that are used on GMOs, leading to contaminated ground, water, and food.  | 2/23/2016 |

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|--------|--------|-----------|--|--|-----------|
| 145    | Monika | Heinbaugh | <a href="#">glyphosate_chart_year__use.pdf</a> | I have worked for a natural products brokerage in Boulder for over 10 years. Boulder County is considered the "Silicon Valley" of the natural products industry. Many natural and organic companies and retailers were founded right here in Boulder County, and existing companies continue to relocate to Boulder County because of its reputation and supportive and collaborative environment for natural products companies. The natural products industry is a significant contributor to the economy of Boulder County. Allowing GMO crops on Boulder County public lands is incongruent with the heritage, culture, and economic interests of the county. The growth in sales of natural and organic products is outpacing sales of conventional products, and the growth in sales of Non-GMO products is outpacing even that of natural and organic products. Conventional grocery is growing at about 1% per year. The natural products industry is growing at 11% per year. Non-GMO Project Verified products are growing at 17% per year, and Certified Organic products, which are by definition also non-GMO, are growing at 15% per year. Production is not keeping up with demand in both the Non-GMO and Organic segments of the market, and supply shortages are one of the greatest challenges facing the industry. (I can provide graphs detailing these sales trends if desired.) It also places our farmers who are growing non-GMO and organic crops at risk of pollen or chemical drift. In addition, the use of the herbicide glyphosate has increased dramatically since the introduction of GMO crops, most of which have been engineered to withstand the application of glyphosate. The attached chart details the precipitous increase in the use of this chemical, which last year was designated a 'probably carcinogen' by the World Health Organization. We do not need to be exposing the residents of Boulder County to increased amounts of glyphosate. Also attached is a Feed the World report that details on page 7 that GMO crops have not increased yield rates. Conventional and GMO corn and soybean yields have increased at the same rate. I hope the Commission will take a strong stand and discontinue the raising of GMO crops on open space lands. | 2/23/2016 |
| Cont'd | Monika | Heinbaugh | <a href="#">feedworld_report.pdf</a>           | Thank you. References: <a href="http://www.nongmoproject.org/about/">http://www.nongmoproject.org/about/</a> <a href="http://www.spins.com/wp-content/uploads/2014/02/SPINS-Infographic-Non-GMO-Project-Verified.pdf">http://www.spins.com/wp-content/uploads/2014/02/SPINS-Infographic-Non-GMO-Project-Verified.pdf</a> <a href="http://www.spins.com/natural-retailers/">http://www.spins.com/natural-retailers/</a> <a href="http://ota.com/sites/default/files/indexed_files/PolicyConference2015_Infographic_8.5x11_1a_0.pdf">http://ota.com/sites/default/files/indexed_files/PolicyConference2015_Infographic_8.5x11_1a_0.pdf</a> <a href="http://ota.com/sites/default/files/indexed_files/StateOfOrganicIndustry_0.pdf">http://ota.com/sites/default/files/indexed_files/StateOfOrganicIndustry_0.pdf</a> <a href="http://www.foodnavigator-usa.com/Markets/US-organic-food-market-to-grow-14-from-2013-18">http://www.foodnavigator-usa.com/Markets/US-organic-food-market-to-grow-14-from-2013-18</a>   | 2/23/2016 |
| 146    | Laura  | O'Connor  |  | Please, end the approval of GMO corn and sugar beets on county-owned open space. Please do not allow any GE crops to be grown here. There is nothing, NOTHING stopping the spread of GE pollen, that infects normal crops and organic crops, and has ruined organic crops all over the US over the past years, and has put organic farmers out of business. This is my whole problem with GE crops; more than whether they are safe to eat, or not. If GE crops are not stopped, eventually there will be no heirloom seeds left in the world. Monsanto is sort of a quiet, food terrorist.  | 2/23/2016 |

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|-----|-------|---------|--|--|-----------|
| 147 | Ken   | Bonetti |  | <p>Dear Commissioners: I am writing to strongly urge you to end GMO cropping on Boulder County Open Space. This practice is clearly in opposition to the preferences of the majority of Boulder County residents. The farmers using GMOs have had ample time to adjust and now should either change their cropping or give up their allotments. The allowance of GMOs on Boulder Open Space is an unfortunate manifestation of cognitive dissonance given Boulder's reputation, for ecological awareness and aversion to unhealthy, unsustainable and anti-environmental practices, and the policies that sustain them. The science is clear. GMOs are bad for people, bad for the land, and bad for economic and ecological sustainability. Let's not perpetuate this unsavory arrangement any longer. You have the opportunity to make the right choice and enable Boulder County to live up to its historically well-deserved reputation as a progressive and ecologically aware region. Another five years of GMOs in Boulder County will send a message that our region is no longer the progressive, environmentally friendly place it once was and aspires to be. Think about the wealth of alternatives that await the freeing up of this land for the uses that will reflect the values Boulder County is likes to embody and espouse. Here is a nice summary of the risks associated with GMO crops: <a href="http://healthheathen.com/2015/02/01/gmo-food-environmental-impacts-scientific-research-health-risks-case-examples-top-10-list/">http://healthheathen.com/2015/02/01/gmo-food-environmental-impacts-scientific-research-health-risks-case-examples-top-10-list/</a> Many other public interest groups have studied the issue and 38 countries have banned GMO cropping. The all agree: It's time to end GMO cropping here, there and everywhere. Sincerely, Ken Bonetti 1170 Monroe Dr. Boulder, CO 80303</p> | 2/23/2016 |
| 148 | David | Goetz   |  | <p>As a Boulder resident I was shocked to even find out that we have been allowing GMO crops to be grown on publicly owned land. I find it disheartening that given all of the research that has been done on GMOs and the negative impacts that they have on human health, livestock and the environment that the county would allow them to be grown within Boulder County. Wake up and check out the research! Sincerely, Dave goetz</p>  | 2/23/2016 |

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|-----|------|-------|--|---|-----------|
| 149 | Anne | Bliss |  | <p>The following data has been submitted. First name: Anne Last name: Bliss E-mail: anne.bliss@gmail.com Address 1: 350 Ponca Place #441 City/State/Zip: Boulder 80303 Your comments: GMO crops need pesticides, in particular glyphosate (major ingredient in the herbicide Roundup) and imidacloprid or other of the neonicotinoid insecticides. Glyphosate is now in about 35% of our fruit and vegetables, and the neonicotinoids are likewise moving through soil and water, directly and very negatively affecting pollinators as they are the dousing pesticide for all GMO corn seeds and many other seeds. These pesticides then "infect" every cell in the plant, and pollinators are directly affected; the pesticide is cumulative in humans. Early research is connecting various brain diseases (Alzheimer's, Parkinson's, autism) to this pesticide, as well as lower fertility, especially among men in areas where these neonics are used. For additional information, I refer you to the following websites, and in short want to say that GMO's and their assorted pesticides have NO place in Boulder County. <a href="http://www.usgs.gov/newsroom/article.asp?ID=3941#.Vq1hOdDniUk">http://www.usgs.gov/newsroom/article.asp?ID=3941#.Vq1hOdDniUk</a> <a href="https://images.search.yahoo.com/images/view;_ylt=AwrB8pdXYa1WDz0AciounIIQ;_ylu=X3oDMTlydmM0aWJvBHNIYwNzcgRzbGsDaW1nBG9pZANjZWY4OTE2OWVmNWJINDYyZDBIOTY0ZGJiOGU5NDk2YQRncG9zAzIEaXQDYmluZw--?.origin=%26back=https%3A%2F%2Fimages.search.yahoo.com%2Fyhs%2Fsearch%3Fp%3DNeonicotinoid%2BUse%2BMap%26fr%3Dyhs-mozilla-002%26hsimp%3Dyhs-002%26hspart%3Dmozilla%26tab%3Dorganic%26ri%3D2%26w=975%26h=719%26imgurl=water.usgs.gov%2Fnawqa%2Fpns%2Fusage%2Fmaps%2Fgraphics%2FH_IMIDACLOPRID_2011.png%26rurl=http%3A%2F%2Fwww.gcsaa.org%2Fgcm-magazine%2F2014%2Foctober%2Fneonicotinoid-insecticides-and-pollinators-what-s-all-the-buzz-about%26size=121.9KB%26name=%3Cb%3Eneonicotinoid%3C%2Fb%3E+insecticides+and+pollinators-+What-s+all+the+buzz+about%26p=Neonicotinoid+Use+Map%26oid=cef89169ef5be462d0e964dbb8e9496a%26fr2=%26fr=yhs-mozilla-002%26tt=%3Cb%3Eneonicotinoid%3C%2Fb%3E+insecticides+and+pollinators-+What-s+all+the+buzz+about%26b=0%26ni=21%26no=2%26ts=%26tab=organic%26sigr=13j58ft1f%26sigb=143i6nj78%26sigi=125egs1kv%26sigt=12cgpcj6k%26sign=12cgpcj6k%26.crumb=lbvZhja8rp0%26fr=yhs-mozilla-002%26hsimp=yhs-002%26hspart=mozilla">https://sp.yimg.com/xj/th?id=OIP.Me148bf0b37669a341224ea1af2a23da2o0%26pid=15.1%26P=0%26w=300%26h=300</a> <a href="https://images.search.yahoo.com/images/view;_ylt=AwrB8qFrYq1WuV4AwFYunIIQ;_ylu=X3oDMTizYzA0NWE1BHNIYwNzcgRzbGsDaW1nBG9pZAMxNjMyZjc0NWZIMTNmZDUyNzAzMzEzYTIIZTc1ZTY2YgRncG9zAzI5BGI0A2Jpbmc-?.origin=%26back=https%3A%2F%2Fimages.search.yahoo.com%2Fyhs%2Fsearch%3Fp%3Dhealth%2Beffect%2Bon%2Bhumans%2Bof%2Bneonicotinoid%2Bpesticides%26n%3D60%26ei%3DUTF-8%26fr%3Dyhs-mozilla-002%26fr2%3Dsb-top-images.search.yahoo.com%26hsimp%3Dyhs-002%26hspart%3Dmozilla%26tab%3Dorganic%26ri%3D29%26w=600%26h=410%26imgurl=iasvn.org%2Fimages_upload%2Fimages%2Fpic-4-casida.gif%26rurl=http%3A%2F%2Fiasvn.org%2Fen%2Fhomepage%2FEffects-of-neonicotinoid-and-organophosphate-insecticides-can-cause-brain-">https://images.search.yahoo.com/images/view;_ylt=AwrB8qFrYq1WuV4AwFYunIIQ;_ylu=X3oDMTizYzA0NWE1BHNIYwNzcgRzbGsDaW1nBG9pZAMxNjMyZjc0NWZIMTNmZDUyNzAzMzEzYTIIZTc1ZTY2YgRncG9zAzI5BGI0A2Jpbmc-?.origin=%26back=https%3A%2F%2Fimages.search.yahoo.com%2Fyhs%2Fsearch%3Fp%3Dhealth%2Beffect%2Bon%2Bhumans%2Bof%2Bneonicotinoid%2Bpesticides%26n%3D60%26ei%3DUTF-8%26fr%3Dyhs-mozilla-002%26fr2%3Dsb-top-images.search.yahoo.com%26hsimp%3Dyhs-002%26hspart%3Dmozilla%26tab%3Dorganic%26ri%3D29%26w=600%26h=410%26imgurl=iasvn.org%2Fimages_upload%2Fimages%2Fpic-4-casida.gif%26rurl=http%3A%2F%2Fiasvn.org%2Fen%2Fhomepage%2FEffects-of-neonicotinoid-and-organophosphate-insecticides-can-cause-brain-</a></p> | 2/23/2016 |

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| 150 | Kristina  | Lane    |  | To whom it may concern: I am a speech language pathologist and I work with infants and children who have difficulty with swallowing and feeding in Boulder county. Many of the children that I see are very sensitive to the foods that they eat. Many of them tolerate only a few foods and are very sensitive to pesticides. The result of this sensitivity is chronic vomiting and failure to thrive that can lead to neurological deficits. The parents of these children work very hard to make sure that what they are feeding their children will be safe. Many of them rely on local organic farming as the fresh foods provide increased nutrients and when your child is vomiting 4-5 times per day, every milligram of nutrient counts. The use of gmo crops on boulder open space affects the surrounding agriculture and limits what is safe to eat. There is a growing population that does not physically tolerate the pesticides used with gmo crops. I urge you to consider the health risks that these practices are causing. The majority of Boulder residents want to lead a healthy lifestyle and want foods that are not laden with pesticides. We rely on the health of an ecosystem that is not depleting bees and other pollinators, that is not relying on heavy pesticides, that is not poisoning our water. Thank you for your consideration in the health of our community. I have two children and I want them to feel confident in eating foods grown locally. | 2/23/2016 |
| 151 | Robin     | collins |  | The following data has been submitted. First name: Robin Last name: Collins E-mail: lovetothe5thpower@gmail.com Address 1: 2635 Mapleton Lot 37 City/State/Zip: Boulder Your comments: I wholeheartedly oppose Pesticides and herbicides on public lands! Open space is no place to grow GMO crops, which are being more and more clearly recognized as harmful to humans, and to add insult to injury, when grown are doused with unsafe chemicals! Not Here!!!  | 2/23/2016 |
| 152 | Catherine | Bingham |  | All farming/agriculture done on Boulder County public landsshould to be in accordance with organic farming/agriculture practices. The City of Boulder has banned GMO's on city open space since 2000. The county should do the same on 'our' public land. Boulder County is home to many health food industries. It is important to walk the talk!  | 2/23/2016 |
| 153 | Toby      | Schunck |  | Dear County Commissioners, I urge you not to allow GMO crops or any other GMO plants to be grown on County-owned land. GMO crops, including glyphosate-resistant corn and sugarbeets have not been proven safe. These crops do not necessarily reduce herbicide or pesticide use or offer any benefits to society. Most of them are produced by a large corporation that has actively worked to shut down seed cleaners and other traditional farming practices. Numerous small farms operations have been sued by the manufacturers of GMO crops. Many of these farms have since been sold to large industrial farming operations. We are losing many heirloom seed strains and historic crops throughout the world as a result of GMO crops. At least on County owned lands, we should be promoting the preservation of natural strains and not allow any GMO crops. Please encourage the planting of alternative crops, including sunflowers, millet, hemp and only allow organic farming on our county lands. Further, I ask that you prohibit the use of any neonicotinoid pesticides and insecticides as these dangerous chemicals have been associated with large insect die-offs, including pollinator species. Respectfully, Toby Schunck  | 2/23/2016 |

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| 154 | Scott | Smith | <a href="http://www.bcccp.info">http://www.bcccp.info</a>                       | Back in 2011, the County's CPAG Open Space Ag policy development process was contrived to arrive at their predetermined GMO agriculture conclusion to the exclusion of public input and participation. Out of frustration of being banned from the so-called public process, a group of citizens developed the Boulder County Citizen's Cropland Policy, linked above, created a around regenerative agriculture practices and to move away from the current soil-destroying GMO-chemical practices. As part of this effort we constructed a financial support system (economic model) that provides financial support to enable GMO farmers to successfully transition without financial hardship to the new regenerative system. Eliminating toxic GMO seeds (Neonicotinoid coatings) along with the attendant chemical inputs is a benefit for ALL residents of the County. Regenerative practices build soil, sequester carbon, increases water absorption in-place and produces an overall healthier system and food byproduct. The suggestion was never to leave GMO farmers without any options, but rather to work together (as a county) we can create a local food system that enriches everyone, including farmers and eaters, both of whom enjoy non-poisonous practices that enrich our soil, water and air...and by extension ourselves. The report was prepared by a Cornell University, Agricultural Economist, retire, with understanding and expertise in this area.  | 2/24/2016 |
| 155 | Scott | Smith | <a href="#">alternative_arrangements_for_transitioning_to_organic_crops.pdf</a> | Additional attachment   |           |
| 156 | April | Giles | <a href="#">cbsa_boulder_cropland_policy_letter_2016.pdf</a>                    | Dear Boulder County Commissioners, On behalf of the Colorado Bioscience Association (CBSA), I am writing to express our firm support maintain Section 6.1 of the Boulder County Parks and Open Space Cropland Policy. The CBSA represents nearly 600 biotechnology, medical device, diagnostic and agricultural biotech companies in the state and the 28,000 workers that they employ. Many of these companies and individuals reside in Boulder County. Boulder is a beautiful place, made possible in part by the county's and taxpayers' efforts to procure agricultural lands to be held and leased back to farmers in perpetuity. Farming is an important and productive industry with hundreds of jobs and millions of dollars of income within the borders of Boulder County. Agricultural biotechnology seeds have been on the market since 1996, and are not only a highly regulated product but have proven to be an effective resource for farmers. The widespread adoption of biotechnology-derived crops has increased farmer income, boosted yields, significantly reduced pesticide use and spurred greater use of environmentally friendly no-till agriculture, according to studies by the National Center for Food and Agricultural Policy. Biotechnology in food production has been shown to lower the environmental footprint of agriculture though conservation tillage and greater efficiencies in production practices, and, since the late 1980's, biotechnology crops have been regulated by the federal government to ensure safety and efficacy. These biotech crops undergo intense regulatory scrutiny covering their growth in the fields to their delivery in the marketplace to ensure that they are safe for consumption and do not pose any environmental hazards. Biotech crops and their food products are regulated by the U.S. Department of Agriculture (USDA) and the Food and Drug Administration (FDA) and the Environmental Protection Agency (EPA). Testing of biotech crops before they are introduced to market generally takes about 6-12 years at a cost of \$6-12 million per variety. The CBSA encourages Boulder County to maintain its Boulder County Parks and Open Space Cropland Policy allowing farmers to grow biotech food crops which have met the appropriate FDA, USDA and EPA requirements on Boulder County open space and will help further advance the agricultural and bioscience industries within the state. Thank you for your time and consideration. If you have any additional questions or concerns, please contact me at (303) 592-4072. Sincerely, April Giles, President and CEO, Colorado BioScience Association | 2/24/2016 |

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| 157 | Elizabeth | Black  |  | <p>I farm 2/3rds of an acre of Christmas trees, and so understand some of the challenges of farming, the occasional need for pesticides and the necessity for flexibility in farming practices. I am very concerned about Climate Change, and I appreciate the fact that no-till farming uses vastly less fuel per acre, conserves soil moisture, prevents erosion and sequesters more carbon in soils than conventional farming. At the same time, I also keep bees, and I worry about all the pesticides that my bees are inadvertently exposed to. I do not envy you regarding your cropland policy decisions. It's a tough one, and I don't know where I would land were I in your shoes. I would like to suggest that whatever you decide, you incorporate more mechanisms for dialogue between farmers and beekeepers. Many Boulder County beekeepers are very angry right now. They feel under siege, their bees are frequently dying, and they don't trust that anyone is looking out for the bees. It would be a difficult job, and I don't know which farmers would want to put themselves in the line of fire, but I think it would be helpful to try to get some dialogue going between farmers and beekeepers. Once each side understands the other, perhaps some solutions can be found. For instance, it may be that for many beekeepers, it is not the GMO seed that is the problem, but rather that the seed is treated with neonicotinoids before planting. Perhaps untreated seed would be OK, or at least better. Perhaps there is research about which herbicides are less problematic for bees. Perhaps beekeepers could be notified about the timing of certain planting practices, just as they are notified about mosquito spraying, so they could confine their bees when they feel they are most at risk. However, you won't know which possible compromises will help until you get both sides talking to each other. The farm tours and social events you have been doing are great, but they don't get at the conflict here. There would have to be some ground-rules and a referee of sorts at whatever kind of forum you design. I'm sure you know how to do all that stuff. Good luck! Elizabeth Black</p> | 2/24/2016 |
| 158 | Karl      | Hanzel |  | <p>For hopefully obvious reasons, i'd like to see Boulder County ban GMOS on county open space, or at least ban the used of pesticides, like glyphosate.</p>  | 2/24/2016 |
| 159 | Amy       | Lehman |  | <p>Dear County Commissioners, I am a Boulder country resident and strongly support our local farms and farmers – both organic and conventional farmers! Conventional and organic farmers have come together to ask you to please focus on policies that would truly benefit local agriculture, and I ask you to listen to them. Please do not be swayed by misinformation and propaganda. The use of GMO seeds and responsible pesticide application are crucial to conventional farmers in Boulder county, as they are to farmers around the world. GMOs have the potential to greatly increase crop yields, increase nutritional value, and generally improve farming practices while reducing synthetic chemical use. In the real world, where dramatic population growth is met with dwindling open space and agricultural land, banning GMOs makes no sense. Radical activists and fear-mongers have convinced some people of the danger of genetically-modified food; however, a recent Pew poll of AAAS (American Association for the Advancement of Science) scientists from all disciplines found that the overwhelming majority (88%) believe GMOs are safe. Aren't these educated scientists the people who would know best? There is no hard scientific evidence that GMOs are harmful, but there is a wealth of evidence supporting their benefit. Furthermore, those who are opposed to GMOs already have the choice and opportunity to buy organic and non-GMO foods as they see fit. Banning conventional farming practices will only hurt local farmers. Please allow conventional, as well as organic, farmers to continue to grow food in a safe and sustainable way (which includes the use of GMO seeds and responsible pesticide application). Sincerely, Amy Lehman</p>  | 2/24/2016 |

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| 160 | Kathryn | Clegg   |  | I am a resident of Boulder County, I am a consumer and a gardener. I DO NOT want to consume, or feed my family GMO foods when given a choice (and we SHOULD have that knowledge and choice!). I have sought out research comparing GMO crops vs non GMO and found many University (UC Davis for one) and scientific research studies that found GMO's did NOT provide greater yields over the span of a few years, and left the soil in bad shape for future crops. Obviously the air and water quality are damaged by the increased use of the chemicals, which ultimately only benefit the pocket books of the chemical manufacturers. I find the fact that many only consider the "rights" of the GMO farms, but discount the cross pollination destruction to the fields of the hard working organic farmers and their rights AND MY RIGHTS as a consumer and gardener, NOT to be force fed these chemicals, in my food, water and air. We must make decisions for the GOOD, not the GREED! I paid my property taxes today, and hope that my opinion matters as much as some Non Boulder County chemical manufacturer's slanted and profit driven opinions. Thank you for listening, and for protecting our soil and local organic farms. | 2/24/2016 |
| 161 | Terry   | Mast    |  | I would like to publicly declare my opposition to any practice of growing and treating genetically modified crop seeds and plants on any Boulder County Open Space agricultural (or other) land. This land is public property and as such must be maintained and cared for with the greatest benefit to the Boulder County public in mind. Current living members of our community rely on a healthy environment; future members of our community will be deeply grateful that the best long-term decisions are made now. GMO crops are created to withstand, and generally do receive, copious amounts of toxic chemical treatments. This practice is in no way compatible with best or healthiest use of the land and resultant public exposure. Thank you.   | 2/24/2016 |
| 162 | Eve     | Ilsen   |  | I am appalled that the growing of roundup-ready crops is even being remotely considered on Boulder's Open Space. The harm done not only to the land itself but to any wildlife near that chemical is immeasurable. My mother was a healthy woman, and started growing a serious garden in Southern California. She was directed to use Roundup, and she did. She was very soon ill, and eventually died here, in Boulder, of T-cell lymphoma--- one of the ghastly and torturous diseases that has been linked to glyphosate exposure. Would you seriously epose your families to that? Or are you, the decision-makers, of the cowardly sort that make decisions for which only OTHERS must suffer the consequences? We know enough now about companion gardening and non-toxic ways of growing produce that if you insist on making farmland out of what should be open to the public, there are ways to do it right. Remember---we are all "downstream"; that means you too.   | 2/24/2016 |
| 163 | Joseph  | Stoller |  | I believe it is harmful to the population of Boulder County to continue to use GMO's on public lands. The chemicals used in this style of agriculture have unintended consequences to human health and are a risk. It appears that some of these risks are more direct. It is also very important to think about the more complex web of life that is harmed by this type of agriculture. Please consider these issues in the long term and in the complex biological systems they intervene in. Open Space land should be used to protect biodiversity, including the diversity of agricultural crops, intercrop variation, and the complex living quality of the soil that nourishes them. The very nature of GMO crops is about limiting diversity and trying to simplify and controle a complex living system to maximize profits. I believe in the long term this methodology will lead to a great deal of human suffering. I was born and raised in Boulder County.   | 2/24/2016 |



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| 164 | Erik  | Johnson |  | <p>24 February 2016 To the Boulder County Board of County Commissioners: I am a past member of the Boulder County Food and Ag Policy Council, an advocate for farmers large and small, and a 50-year resident of Boulder County. I urge you, commissioners Gardner, Jones, and Dominico, to implement a transition plan for our publically-owned large-acreage ag lands. Mark Guttridge said it best when he and a group of farmers met with you on Fri 19 Feb. "The original cropland policy goal of diversification of our large Open Space parcels has not been met. The County needs to play a bigger role in collaborating with participating farmers to explore new cropping systems or crop types on large parcels. For large farms wanting to experiment with some organic production, the County should help find ways to off-set the costs of transition as the current reduction in rent hasn't provided enough incentive compared to the actual time and cost of transition through such means as multiple years of cover cropping. There is a good deal of research that has already been conducted in other parts of the country so the process should be to work collaboratively with interested farmers in order to evaluate available information, develop goals for transition specific to a given parcel and to determine if there is a need to off-set costs through grants or County assistance." A transition plan should include economic analysis and adequate support for existing lease-holder farmers to adopt alternative crops and farming practices. It should quickly move to county support for experimental farming on large 100-200 acres tracts, support for large-scale farmers to transition lands to organic certification, planting of perennial food crops, and soil restoration including soil-food-web testing and building organic content. The Savory Institute recommends "multi-crop and pasture-crop production models that are conducive to healthy soils, biologically diverse systems, healthy and nourishing food, resilient land, and contribute to climate adaptation and mitigation." This type of farming is being practiced in many locations and is what we want on Boulder County land. Continued production of industrial commodity crops, including GMO sugar beets and corn, stands in the way of this transition, has lost the support of the community, and needs to be phased out within two years or less. Sincerely Erik Johnson 1300 Sumac Avenue Boulder CO 80304</p> | 2/24/2016 |
| 165 | agnes | sobol   |  | <p>PROTECT PUBLIC OWNED BOULDER COUNTY OPEN SPACE AGRICULTURAL LANDS FROM GMO PLANTS !! PROTECT OUR ENVIRONMENT - DO NOT SUPPORT BUSINESS PROFITS</p>   | 2/24/2016 |
| 166 | Donna | Bonetti |  | <p>I have become increasingly concerned with the use of GMO crops as well as the pesticides and herbicide use associated with these crops. As a consumer I am concerned with the long term health effects of these untested crops. Their use is also being associated with increased use of toxic pesticides, proliferation of super weeds and cross pollinating contamination of organic crops. The pesticides used on these crops are also considered to be harmful to bees, beneficial insects, birds, fish, amphibians and other wildlife. Please vote no on GMO crops in our open spaces.</p>  | 2/24/2016 |

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| 167 | Mark   | Howell   |  | GMOs are becoming increasingly linked to cancer. If you eat GMOs and don't get cancer, that's good, it can be likened to roulette, as in a documentary on the subject "Genetic Roulette." We are not acting in the best interests of our community or our ecosystems by allowing the long fingers of Monsanto to kill bees and allow genetically engineered traits, which can spread to other plants through cross-pollination, to be present in any fauna anywhere in the World. It is worth considering the crisis in India as Monsanto has dispossessed thousands of farmers, many of whom have commit suicide. It was such a disappointment for the county that GMOs were allowed here in the first place- obviously there is some big money influences even in this county which has the image of being very eco-conscious and green. As a recent discharged employee for the USDA put it in an interview I recently heard (he had published research showing Monarch butterflies were being killed in association with GMO crops and pesticides and is currently in litigation with a whistleblower conglomerate for intimidation of researchers) organic is not necessarily the strongest option for the ecosystem, as some pesticides and herbicides are ok and lead to a stronger ecosystem (just not toxic ones promoted by Monsanto). There are, however, other options: predatory insects, for example, do a rather fine job of culling the herds of herbivore insects. Round-up should be banned everywhere, and no GMOs should be allowed. To downplay the seriousness of the situation is to put lives in your community on the line, but too often we don't act on threats until they really affect us personally- as the way restorative justice for disadvantaged communities is not actively discussed by the media. | 2/24/2016 |
| 168 | AJ     | G        |  | PLease stop expanding the use of GMO crops approved for growing on Boulder County public lands. The health effects are not definitively known and the GMOs contaminate organic farms, making it impossible for consumers to choose GMOs vs organic.   | 2/24/2016 |
| 169 | paul   | howes    |  | Glyphosate use on farmland has been proven to diminish and sterilize the land, rendering it poor for most crops to grow on and making use of fertilizers mandatory. It is a very poor way to use public lands.  | 2/24/2016 |
| 170 | Thomas | Moore    |  | 2830 5th St Boulder, CO 80304 February 9, 2016 Re: GMOs on our Boulder County agricultural Land Commissioners: I'm sorry that I can't make the Feb.29 hearing but I do have strong thoughts on this issue. We've had GMO crops growing on our public land for nearly 5 years. Back then there ware many of us spoke against inviting what we considered dangerous crops into our public agricultural land. Lots of the speakers promoting GMO crops assured us all was well. But recently the World Health Organization voted to point to glyphosate (Roundup) as a probable carcinogen. Monsanto has promoted this stuff to become the most widely and heavily applied weed-killer in the history of chemical agriculture in both the U.S. and globally. Weeds are becoming resistant to it so now Monsanto is adding another nasty potion, 2,4-D, to the mix. Perhaps you recall 2,4-D as one of the components of Agent Orange. Although the direct effects mark 2,4-D as a possible carcinogen some of the contaminants that invariably are associated are far more problematic. One is 2,3,7,8-Tetrachlorodibenzodioxin. There are many more. We are headed in the wrong direction on this. We need to be supporting organic farming on our county lands. As you already know, drift from Roundup applications has contaminated organic crops in many places. Monsanto has successfully sued those whose contaminated crops have been pollinated by this drift. Monsanto claimed that the organic farmers stole their product. Ass backwards in my mind. Please support of organic farming on our public lands. We don't owe GMO farmers leases on our land. Thanks. Tom Moore   | 2/24/2016 |
| 171 | Sandra | McMannis |  | I am totally opposed to the use of GMO products in general and especially on our open space. As a community we should be able to say how we desire our public lands to be used. The use of these known to be harmful products is unconscionable. How did this happen in the first place? NO to GMO'S!!!!  | 2/24/2016 |

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| 172 | Julia       | Robinson |   | I oppose the growing of GMO crops on any public land. GMO seeds and plants are treated with chemicals some of which are toxic to living things including humans, animals, bees and other insects. The victims of GMO crops include not only the farmers whose crops and in many cases livelihood have been unintentionally contaminated by GMO pollens (sued by Monsanto), but also the organisms for which affected by the toxins in GMOs. In addition, GMO plants are engineered not only for yield and pest resistance, but also for "nutritional content." There has been a steady increase in the incidence of intestinal disease, food intolerances such as gluten intolerance, and possibly of cancer and other autoimmune diseases since the advent of GMO crops. There is widespread publicity in the US stating that research shows no adverse effects can be attributed to GMOs, but all of this research is suspect because funded by producers or others who profit financially from GMO crops. Meanwhile, GMOs are banned in most of Europe and even in some 2nd world countries, because their indepedent research shows that indeed GMO crops are a hazard to health and the environment. Please do not allow ANY GMO crops on county land. Thank you. | 2/24/2016 |
| 173 | Anne-Barrie | Hunter   |   | I am opposed to GMOs and any glyphosate-resistant corn, sugar beets or any other agricultural crop that has been treated with glyphosate or neonicotinoids within Boulder County. Please protect our food, our land and our insects! Thank you!  | 2/24/2016 |
| 174 | John        | Schlagel |   | I support the current cropland policy and would like to see it expanded to include Roundup ready alfalfa along with drought tolerant corn. The use of these GE crops creates a more sustainable agricultural future for Boulder County.  | 2/24/2016 |
| 175 | Lynne       | Sullivan |   | Thank you for the opportunity to express my opinion, which is opposition, to the use of GMO's on Boulder County's agricultural lands. When we acknowledge that ecosystems are more complex than we can understand, and that all other species use life friendly chemistry as a cornerstone to their sustainable, long-term survival on this planet, it can encourage us to step back and take the long term view. We can't know all the long term ramifications of GMO's, but we do know the long term benefits of healthy ag management through organic farming. As a resident, and back yard farmer in Boulder County I support the use of natural, organic processes on publically owned lands, to improve soil quality, and protect the ecosystems in which our agricultural lands are embedded. Thank you.  | 2/24/2016 |
| 176 | Scott       | Smith    | <a href="http://www.itulip.com/images2/cigarettessafe1.jpg">http://www.itulip.com/images2/cigarettessafe1.jpg</a> | You will do yourselves a favor and learn more about the use of polyacrylamide on open space lands. The Conservation District touts it as adding "soil tilth"....among other soil-related benefits. It's freaking plastic! When you read about how this crazy application does and how it's equated to natural soil building processes and health, you'll want to puke. We're literally awash in chemical wasteland courtesy of scientific flimflam that claims it's perfectly safe. The corporations did it with tobacco, DDT, Nuclear power and they're doing it all over regarding GMOs and their bride-of-Frankenstein pesticide companions. Enjoy!   | 2/24/2016 |
| 177 | Dawn        | Jensen   |   | I am against all GMO or Genetically engineered crops. What are the alternatives to planting GMO crops, and I think we need to look at Open Space policies in general....I never knew our open space could be used for growing crops. Why is this permitted?  | 2/24/2016 |
| 178 | M Adaline   | Jyurovat |   | I applaud the efforts of those who developed the Citizens Cropland Policy and endorse this policy. It is time the public realized that appointees in government agencies like the EPA, FDA, and USDA have the interests of corporations at the core of their decisions, not the health and well being of life on this planet. The current definition of stewardship and sustainability by the EPA and used by Boulder County Open Space is a cruel joke. We have waited much too long for policies such as these to be put in place in Boulder County. I was at the first so-called hearings by county commissioners regarding gmos to be planted on Boulder County Open Space in 2001. Many of us against the proposal provided articles and documents regarding the hazards of gmos and the chemicals used with gmos. Our concerns and documentations were completely ignored.   | 2/24/2016 |

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| 179 | Cary         | MacDonald | <a href="#">boulder_cropland_policy_public_hearing.pdf</a>  | I urge the Board of Commissioners to ban the cultivation of Genetically Modified (GM) crops and their associated pesticides from county public lands within the year; and, instead, promote and establish sustainable and organic agricultural practices on public lands.   | 2/24/2016 |
| 180 | David        | Cassidy   |   | Dear County Commissioners, I am a resident of Boulder County, and I support the success of our local farmers. I also recognize that we have a wide diversity of farms and farming practices in our County, and I support that coexistence. The organic and conventional farmers have joined together to ask that you focus on policies that would truly benefit local agriculture. I ask you to listen to them, and to continue to allow our farmers to grow food in safe and sustainable ways (which includes GMO seeds and responsible pesticide use). Please make evidence-based policy decisions, and use the County's resources to support all of our farmers. Sincerely, David Cassidy  | 2/25/2016 |
| 181 | Jeanne       | Robinson  |   | I strongly oppose planting of GMO crops. My biggest concern is toxicity of glyphosate. We now have evidence that it is cancer causing. We also need to be thinking about rebuilding healthy soils in terms of bacterial biodiversity. We need to promote more organic farming. Our population in Boulder County is increasingly supportive of organic farming and we need to keep the momentum going.   | 2/25/2016 |
| 182 | Scott        | Smith     | <a href="http://sustainablepulse.com/2016/02/25/german-beer-industry-in-shock-over-probable-carcinogen-glyphosate-contamination/#.Vs85hJHbCT">http://sustainablepulse.com/2016/02/25/german-beer-industry-in-shock-over-probable-carcinogen-glyphosate-contamination/#.Vs85hJHbCT</a> | Germany finds glyphosate in its 12 most popular beers. Is this the fate we want to see here in Boulder?<br><a href="http://sustainablepulse.com/2016/02/25/german-beer-industry-in-shock-over-probable-carcinogen-glyphosate-contamination/#.Vs85hJHbCT">http://sustainablepulse.com/2016/02/25/german-beer-industry-in-shock-over-probable-carcinogen-glyphosate-contamination/#.Vs85hJHbCT</a>  | 2/25/2016 |
| 183 | D L          | Lamb      |   | Nothing has prevented GMO contamination through normal air currents and wind, nor from moving GMO harvests from points of origin to other sites. Local gardeners and farmers are affected by contamination. Local health is affected by crop spraying, dusting, and watershed effects of chemical use, whether intensive or not. Open space is a refuge. Leave it that way, or grow native Coloradan avian- and pollinator-support species, which will improve air quality, ground quality, and safeguard the soil.   | 2/25/2016 |
| 184 | Scott & Mary | Smith     | <a href="#">alternative_arrangements_for_transitioning_to_organic_crops1.pdf</a>  | Hello Michelle and Commissioners: As a follow-up to my personal testimony to the Commissioners, please find attached the "Economic Transition Plan" that was part of the Boulder County Citizen's Cropland Policy. This document, the work of retired Cornell Agricultural Economist, Edna Loehman, and others, outlines a system whereby the County can produce far greater revenues, and local food, beyond the current Open Space Ag land break even point, and provide financial support to the GMO farmers in their transition away from current toxic practices and towards regenerative agriculture. There is every reason to support our farmers to move towards healthy farm practices. This is critically important in light of their precarious position of them being left with no other options than neonicotinoid-coated GMO seeds along with its attendant menu of pesticides. During the Commission testimony, it's interesting to note, that the GMO sugar beet growers are FORCED to use Neonicotinoids as a condition of growing their crops. To me, it's the equivalent of having a gun held to their head, and which also means a gun held to bee's heads and to the public at-large. Didn't you feel a bit uncomfortable about this too? The attached document is a great starting point framework that supports our farmers and, by extension, every person in the county who can benefit from the move away from chemical-based farming. To suggest that this kind of farming isn't possible, may I point out that before chemical farming was introduced post- WW2, everything was organic. Best, Scott & Mary Smith | 2/25/2016 |

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| 185 | Kristy    | McGowan   | <a href="http://www.forbes.com/sites/kavinsenapathy/2016/02/23/if-you-doubt-the-organic-industry-leads-the-anti-gmo-movement-this-settles-it/#1d0140c36083">http://www.forbes.com/sites/kavinsenapathy/2016/02/23/if-you-doubt-the-organic-industry-leads-the-anti-gmo-movement-this-settles-it/#1d0140c36083</a> | Please consider extending GE and GMO crops. If we base county policy on science we should do it across the board. Boulder is staking millions of dollars on climate science, for example, by attempting to create our own muni, so let's be consistent. GMO crops require less water, less labor, and less pesticides, produce more and burn less carbon than organic crops. Really, labeling any crops as "GMO" and "Non-GMO" presents a false dichotomy: all crops are from millennia of tinkering by humans. If you're going to label a crop GMO from inserting or deleting one gene, do you label the crops that were bombarded with radiation to create the novel seed? With the current spurious logic, the irradiated crop would be non-GMO. If anything, Boulder County should cut back on wasting money on organic crops. If the recent article in the Daily Camera is to be believed, 19 out of 24 organic farmers tried and failed on our lands, despite being offered 1/2 price rent and over \$800,000 of our money. Is this really the best use of our money? I'm in favor of getting rid of this program entirely. My hope for the future is for genetic engineering to put the flavor back in grocery-store tomatoes, engineering a banana that can resist fungus and crops that yield even more per acre, to feed our growing population. The farmers vote with their purchase of seeds and GMO seeds are incredibly popular. Let's listen to the scientific experts and the farmers and stay on this breakthrough path. | 2/25/2016 |
| 187 | Dale      | Korba     |   | I am contacting you to ask that GMO crops no longer be allowed on Boulder County Open Space lands. My support for open space has been unwavering for 40 years, my opposition to pesticide and herbicide use is just as long. As you may know the UN has put glyphosate on their carcinogen list and the FDA has announced plans to check for glyphosate residues in our foods. Until we have objective (not industry funded or controlled) data the most prudent course of action is to STOP allowing these crops to be grown on OUR lands. Thank you   | 2/25/2016 |
| 188 | Anastasia | Lawhead   |   | Support the proposed Cropland policy and getting rid of gmo's in Boulder County and beyond.   | 2/25/2016 |
| 189 | Blair     | Smallwood |   | I am a resident of Boulder County, and I support the success of our local farmers. I also recognize that we have a wide diversity of farms and farming practices in our County, and I support that coexistence. The organic and conventional farmers have joined together to ask that you focus on policies that would truly benefit local agriculture. I ask you to listen to them, and to continue to allow our farmers to grow food in safe and sustainable ways (which includes GMO seeds and responsible pesticide use). Please make evidence-based policy decisions, and use the County's resources to support all of our farmers.  | 2/25/2016 |
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| 190 | M Adaline | Jyurovat | <a href="http://www.nytimes.com/2015/09/06/us/food-industry-enlisted-academics-in-gmo-lobbying-war-emails-show.html">http://www.nytimes.com/2015/09/06/us/food-industry-enlisted-academics-in-gmo-lobbying-war-emails-show.html</a> | <p>The county open space staff cites EPA regulations to prove that gmo crops and the accompanying pesticides are safe, well researched, and of benefit to the public. These regulations are written to suit the industry being regulated. The regulations are manipulated by corporate lobbyists. Sometimes EPA regulations are never finalized, due to corporate influence. That corporate influence has been felt in Boulder County for decades. Evidence follows. Once in awhile the public learns of corporate manipulation of the public, lawmakers, and science. Below is a minute example of how the Big Ag industry shapes our laws, prevents laws that are meant to inform us and/or protect our health. "The moves by Monsanto, in an alliance with the Biotechnology Industry Organization and the Grocery Manufacturers Association, are detailed in thousands of pages of emails. The New York Times requested some of these documents, then made additional requests in several states for email records of academics with ties to the organics industry. Dr. Folta is among the most aggressive and prolific biotech proponents, although until his emails were released last month, he had not publicly acknowledged the extent of his ties to Monsanto." Regarding Dr. Folta's website GMO Answers, pretending to be an independent source of information: "This (website) is a new way to build trust, dialogue and support for biotech in agriculture that will help explain in an independent voice what GMOs are," an executive at Ketchum wrote to Dr. Folta. But Ketchum did more than provide questions. On several occasions, he also gave Dr. Folta draft answers, which he (Folta) then used nearly verbatim, a step that he now says was a mistake. Dr. Folta, the emails show, soon became part of an inner circle of industry consultants, lobbyists and executives who devised strategy on how to block state efforts to mandate G.M.O. labeling and, most recently, on how to get Congress to pass legislation that would pre-empt any state from taking such a step. The company (Monsanto), in late 2011, gave a grant for an undisclosed amount to Bruce M. Chassy, a professor emeritus at the University of Illinois, to support "biotechnology outreach and education activities," his emails show. In the same email in which Dr. Chassy negotiated the release of the grant funds, he discussed with a Monsanto executive a months long effort to persuade the Environmental Protection Agency to abandon its proposal to tighten the regulation of pesticides used on insect-resistant seeds. (Bruce M. Chassy is often cited as an independent source by the industry.)</p> <p><a href="http://www.nytimes.com/2015/09/06/us/food-industry-enlisted-academics-in-gmo-lobbying-war-emails-show.html">http://www.nytimes.com/2015/09/06/us/food-industry-enlisted-academics-in-gmo-lobbying-war-emails-show.html</a> This manipulation of science, information and manipulation of regulations is about control of market share and control of seeds across this planet, including Boulder County. Dr. Folta has made at least one appearance in Boulder County, addressing a group that included BC Open Space staff.</p> | 2/25/2016 |
| 191 | Janet     | Kilby    |   | <p>As a former fruit farmer of 25 years on the Western slope and a current resident of Boulder and hobby beekeeper, I would like to comment on allowing GMOs and Roundup on Open Space land. Please don't allow these chemicals on our open spaces. They are detrimental to bees and humans. I'm especially concerned about neonicotinoid seed coatings which are decimating bee populations. As a two time cancer survivor, I know these are also a risk to my efforts to stay alive. Seed coatings have been shown to come loose in the planting process and become airborne, as well as enter every cell of the plant to poison all insects, beneficial or not. As a former co owner of a fruit farm on the western slope I know organic alternatives can work if farmers are willing to learn new skills. In many cases organic niche markets are the most economically rewarding for farmers. Thank you for your consideration, Janet Kilby</p>   | 2/25/2016 |

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| 192 | M Adaline | Jyurovat |   | <p>There seems to be a disturbing Covert Bias Towards GMOs at Boulder County Open Space and a cozy relationship with Lisa Drake, Monsanto lobbyist. Does the open space staff get paid like Kevin Folta to attend Monsanto functions? How many of these types of events with Monsanto lobbyists and BCOS staff have occurred over the last 15+ years? Where is Ron Stewart in all this? Example includes mention of a dinner party/presentation (in September 2014), at a Boulder County farm, provided by Monsanto lobbyist. It is one (on page 120) of the many FOIA documents compiled on biotech prof Kevin Folta who denied receiving money from Monsanto until these documents were made public. (They show emails - how he gets money from Monsanto; that he is paid to speak at conferences on their behalf). The unidentified Boulder County staff and gmo farmers had a meeting with Monsanto lobbyist from Highlands Ranch, Colorado - at a Boulder County event with biotech prof Kevin Folta (from U of Florida Gainesville) for "education/celebrations." 9-18-2014 Lisa Drake, Monsanto Company Lead, US State and Local Government Affairs Highlands Ranch, Colorado 303-514-5533 Addressed to Kevin Folta, thanking him for his appearance in Boulder: "Our Farm to Table Harvest event was a big success .... targeting local Boulder biomedical and device companies directors. ... Of course we also had the Boulder County staff there and the farmers who are the backbone of the community .... The dinner gave the staff at Boulder County some thoughts about additional education and celebrations." <a href="https://www.documentcloud.org/documents/2303691-kevin-folta-uoffloridadocs.html#document/p84/a237719">https://www.documentcloud.org/documents/2303691-kevin-folta-uoffloridadocs.html#document/p84/a237719</a></p> | 2/25/2016 |
| 193 | M Adaline | Jyurovat | <a href="http://www.scientificamerican.com/article/green-chemistry-benign-by-design/">http://www.scientificamerican.com/article/green-chemistry-benign-by-design/</a> | <p>Green Chemistry: Scientists Devise New "Benign by Design" Drugs, Paints, Pesticides and More - Scientific American 2010 So why are global chemical corporations still dragging their feet? Short term perspectives, proprietary products, control objectives? Why are local Boulder County Open Space staff not promoting these options? ..." others insist that until heavyweights like Dow and ExxonMobil are forced to own up to the dangers of their chemicals, smaller companies developing clean alternatives won't be able to compete. "Some academics say, 'If we had enough students and research dollars, then wonderful new substances would flow from our labs and the world would beat a path to our door,'" CIEL's Ditz says. "But if no one can distinguish between a green molecule and a toxic molecule, it is almost impossible for safer products to break into the market." "No shift this big happens without conflict, and outrage, Woodhouse says. Average people need to know and care enough about chemical hazards to pressure business and political leaders for change. "Most people have no idea that many of the things in their houses are a danger to them," he says. "I don't think that the urgent need for a benign chemical transformation has been put out very effectively." <a href="http://www.scientificamerican.com/article/green-chemistry-benign-by-design/">http://www.scientificamerican.com/article/green-chemistry-benign-by-design/</a></p>  | 2/25/2016 |

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| 194    | Donald | Wilkerson | <a href="http://sustainablog.org/2011/03/sustainable-farming-land-ownership/">http://sustainablog.org/2011/03/sustainable-farming-land-ownership/</a> | I teach a CU College of Engineering course entitled "The Ethics of Genetic Modification." Part of the course addresses the debate over GM agriculture. I cannot attend the hearings, so I am forwarding a few resources that explain why the ideologically freighted "GM vs. Organic" debate distracts us from a more a relevant focus: best farming practices and the national policies that discourage those practices. Interestingly, Boulder County's current cropland policy could lead to an optimal policy that would be a model for the rest of the nation. You may know about Iowa State University's Marsden Farm experiment (see attachments). Marsden Farm proves the efficacy of farming methods that borrow from both organic and conventional practices, with a heavy emphasis on crop rotation, cover crops, and integrated pest management--including the judicious, last-resort use of conventional pesticides. The Marsden Farm method out-performs both traditional chemical-intensive and organic agriculture in terms of long term yields and minimal environmental impact. Even more interesting, the Marsden approach can incorporate GM crops, but it does not require them. In short, Marsden might be the "holy grail" that maximizes yields and minimizes the environmental footprint of agriculture. Why haven't we deployed this solution on a large scale? The answer lies, in part, in the economic disincentives that arise from our farm leasing practices (see attached link). Sustainable practices make long term economic and ecological sense for most farmers, but the conversion takes time, which translates into significant costs. America's system of short-term leases incentivizes immediate profit and dis-incentivizes the transition to sustainable agricultural. Another factor is the common mistake of assuming that every best practice is organic; in fact, some organic practices are harmful to the environment. (Please google "Steve Savage Why Organic Is Not the Most Sustainable"). Boulder County has a unique opportunity. Boulder's existing crop rotation policy, its status as a landowner that cares more about land management than profit, its commitment to transitioning lands away from chemical intensive agriculture—all indicate that Boulder is uniquely positioned to create an ideal land management policy that could be a model for the world. Provide long term leases that allow a Marsden-like conversion, and then imagine a label that reads "Certified Sustainable and Affordable." Boulder could be a test bed for turning a university experiment into a transformational social policy. However, that will not be Boulder's future if you give sway to well-meaning, but scientifically invalid arguments about organic agriculture and macro-economic claims about GMOs "feeding the world" that are irrelevant in a county whose farmers serve local markets, restaurants and microbrewers. If Boulder creates a long term leasing and subsidy process that allows a Marsden-like conversion and thus refocuses its conversion efforts from "organic" to "sustainable," the "Boulder brand" truly would be an inspiration to the rest of the nation—and not just a profitable catch phrase for the natural foods industry. I hope this approach offers you a middle-course that allows you to navigate through the ideological storm that awaits you. | 2/25/2016 |
| cont'd |        |           | <a href="#">masden_farm_experimentdiversifying_crop_rotation.pdf</a>  |   | 2/25/2016 |
| cont'd |        |           | <a href="#">marsden_farm_study_plos_one_paper.pdf</a>   |   | 2/25/2016 |



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| 195 | Carolyn | Bninski | <a href="http://art3a10.11862fs1294001601170.pdf">art3a10.11862fs1294001601170.pdf</a> | <p>The Rocky Mountain Peace and Justice Center has opposed the growing of GMOs on Boulder County agricultural lands since farmers were first allowed to grow GMO corn there in 2003. We urge the County Commissioners to require farmers to transition to organic agriculture and preserve the health of these lands for future generations. Following are excerpts from "Scientific Consensus Statement Reveals Roundup Herbicide A Major Health Threat", (greenmedinfo.com) February 18th 2016 By: Sayer Ji, Founder A newly published scientific consensus statement on Roundup herbicide reveals exposure to this ubiquitous toxicant is increasing. A powerful new review on the toxicity of glyphosate signals a growing consensus among non industry sponsored scientists that the relatively unmonitored and unregulated exposure to this ubiquitous toxicant can no longer be promoted as a justifiable risk. The review is open access and can be downloaded and/or read in its entirety at <a href="http://ehjournal.biomedcentral.com/articles/10.1186/s12940-016-0117-0">http://ehjournal.biomedcentral.com/articles/10.1186/s12940-016-0117-0</a>. The file is attached. The newly released consensus statement published in the journal Environmental Health identified the broad spectrum herbicide glyphosate (common trade name "Roundup") as major threat to human and environmental health. Identified as having increased in usage 100-fold since the late 1970's, the study predicts glyphosate usage will increase to even greater amounts due to, "widespread emergence of glyphosate-resistant weeds and new, pre-harvest, dessicant use patterns." The study also identified a key regulatory problem associated with increased glyphosate exposure: "To accommodate changes in GBH [glyphosate based herbicide] use patterns associated with genetically engineered, herbicide-tolerant crops, regulators have dramatically increased tolerance levels in maize, oilseed (soybeans and canola), and alfalfa crops and related livestock feeds... Owing to the fact that animal and epidemiology studies clearly point to glyphosate exposure having serious health risks as well as the fact that the World Health Organization's International Agency for Research on Cancer recently concluded that glyphosate is "probably carcinogenic to humans," the scientists who authored the new paper produced a Statement of Concern, summarized into the following seven concerns: (1) GBHs are the most heavily applied herbicide in the world and usage continues to rise (2) Worldwide, GBHs often contaminate drinking water sources, precipitation, and air, especially in agricultural regions (3) The half-life of glyphosate in water and soil is longer than previously recognized (4) Glyphosate and its metabolites are widely present in the global soybean supply (5) Human exposures to GBHs are rising (6) Glyphosate is now authoritatively classified as a probable human carcinogen (7) Regulatory estimates of tolerable daily intakes for glyphosate in the United States and European Union are based on outdated science. ...we would like to highlight the following five points of concern: Food Contamination Not Adequately Studied Toxicity Research Not Valid: The regulators rely on unpublished, non-peer reviewed data generated by the registrants. Industry Allowed To Hide Ingredients: "The full list of chemicals in most commercial GBHs is protected as "confidential business information". Glyphosate Feeds Antibiotic Resistance: "A recent report demonstrates that environmentally relevant concentrations of commercially available GBHs alter the susceptibility of bacteria to six classes of antibiotics... Biomonitoring of Human Exposure Absent Globally</p> | 2/25/2016 |

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| 196 | M Adaline | Jyurovat | <a href="http://www.sourcewatch.org/index.php?title=Monsanto%2C_Agent_Orange_and_Dioxins">http://www.sourcewatch.org/index.php?title=Monsanto%2C_Agent_Orange_and_Dioxins</a> | <p>Monsanto, the manipulation of scientific studies, EPA's removal of the discovering scientists, suppression of incriminating evidence. We are being told lies by the government agencies created to protect us. These lies are used to validate products like Roundup and the industrial scale planting of gmos. If the Boulder County Commissioners do not stand up to these lies, misinformation and contamination of our open space, who will? There is no "emotion" in the report cited below. This is an important example of how political appointees at the EPA collude AGAINST their research SCIENTISTS, in favor of corporate lobbyists. Cate Jenkins, a PhD chemist at EPA, became convinced that Monsanto had deliberately manipulated studies showing that dioxin was a human carcinogen [8][9]. "On February 23, 1990, Jenkins sent a memorandum to the EPA Science Advisory Board entitled 'Newly Revealed Fraud by Monsanto in an Epidemiological Study Used by EPA to Assess Human Health Effects from Dioxins', attaching a copy of part of the Kemner Plaintiffs-Appellees' brief dealing with the Monsanto studies. She requested that the Board or the EPA Office of Research and Development, audit the records of these studies to see if they were flawed". Ironically, rather than investigate the Monsanto studies the EPA launched what Sanjour says was a harrassing investigation of Jenkins. "Within days of learning that the Office of Enforcement [which "began to look into the criminal aspect of the fraud charges"] had initiated a criminal investigation of Monsanto based on Jenkins' allegations, her job duties were withdrawn without warning. She was not given any assignments from August 30, 1990 until she was reassigned on April 8, 1992 to a job which was primarily administrative or clerical." "Dr. Jenkins filed a complaint with the Department of Labor claiming that she was being harassed for carrying out perfectly legal activities". The Labor Department investigated and found in Jenkins favor. The EPA appealed three times all the way up to the Secretary of Labor but each time the Department came down in favor of Jenkins finding that "None of the rationales [explaining her transfer] given by EPA ... appear valid". Monsanto was found to have committed fraud, but the EPA declined to pursue the issue.</p> <p><a href="http://www.sourcewatch.org/index.php?title=Monsanto%2C_Agent_Orange_and_Dioxins">http://www.sourcewatch.org/index.php?title=Monsanto%2C_Agent_Orange_and_Dioxins</a></p> | 2/25/2016 |

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|-----|----------|--------------------|---|--|-----------|
| 197 | Patricia | Pearson, RN        |   | GMOs HAVE been linked to higher rates of cancer in rats. Multiple studies have been done to prove this. Many scientists warn against consuming GMOs due to higher cancer risks. Dr Stanley Ewen, a consultant histopathologist at Aberdeen Royal Infirmary, indicates that a cauliflower virus used in GM foods could increase the risk of stomach and colon cancers. Professor Gilles-Eric S eralini, professor of molecular biology at Caen university in France conducted a study where rats were fed a diet of GM maize & these rats developed higher levels of cancers and died earlier than controls. There is a reason the EU has banned most GMOs for human consumption. Even scientists within the US FDA have repeatedly warned that GM foods can create unpredictable, hard-to-detect side effects, including allergies, toxins, new diseases, and nutritional problems. At the very least foods containing GMOs should be required to be labeled. We have the right to choose whether or not we want to consume these petri dish creations. Anyone defending Monsanto is likely a PR troll hired by Monsanto to try to counter the truth. What is the hurry to allow GMOs before adequately tested? When did we stop looking at things scientifically to looking at what's best for the industry? Why do we want to contaminate soil with insecticides/pesticides that decrease/kill the necessary microbes? The well-being of humans is being bought by BIG AG, BIG PHARMA to keep us as life-long customers. Glyphosate destroys our intestinal bacteria. The FDA is not doing reliable scientific testing - they rely on the very industry that funds their studies - they are not independent. Just yesterday (2/24/16), a new FDA head was named - Dr. Califf - what a disgrace to our Nation that a Duke guy involved in scandal has been given such a position. Just as Supreme Court Justice Clarence Thomas, who was an attorney for Monsanto, this is just plain WRONG at so many levels. Get the corruption out of our food from the local levels to the very top! Here in Boulder County, we can be an example for the Nation, and show that we care what we grow and eat and care about the health of our people. Please don't allow the GMOs to be grown in our precious soil or near our organic crops. | 2/25/2016 |
| 198 | Jacqui   | Goeldner           |   | Informed citizens of Boulder deplore the use of GMOs anywhere, but especially in our public lands. It is significant that the EU (and other countries) prohibit their use because of their impact on bees and other insects, food grown from these seeds have a deleterious impact on health, and the lands can more appropriately be used for economically more valuable organic foods. Our two new commissioners, Jones and Gardner, promised to support they prohibition of GMOs on public land, and we look forward to their carrying out their promise Sincerely, Jacqui Goeldner   | 2/26/2016 |
| 199 | Cosima   | Krueger-Cunningham | <a href="#">comments_to_bococommissioners_re_cropland_policy_22616.docx</a> | Please see attached file for comments from the SIERRA CLUB.  | 2/26/2016 |
| 200 | jonathan | smith              |   | Please ban GMO cultivation in our county. GMOs always contaminate non GMO crop which is irreversible. when that happens monsanto comes in and sues the non gmo farmer for illegal possession of their 'property'. This has happened way too often in other areas. Also, these pesticide producing crops are killing bees. I implore you, please protect our food, our pollinators, our health and farming the way it has always been from ancient times. Dont believe the lies that the coexistence is harmless, to the contrary it is harmful in more ways than one, and that harm is permanent.  | 2/26/2016 |

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| 201 | Scott   | Smith | <a href="http://www.theatlantic.com/health/archive/2014/10/the-amish-farmer-replacing-pesticides-with-nutrition/380825/">http://www.theatlantic.com/health/archive/2014/10/the-amish-farmer-replacing-pesticides-with-nutrition/380825/</a> | To me, it's maddening to listen to the biotech-Ag rhetoric. It's like Tokyo Rose instigating the enemy with all these flowery images and ideals...pure propaganda designed to confound, confuse and coerce. Sorry, but the coexistence concept is a scam. When a farmer uses licensed proprietary technology, GMO seeds and pesticides, on their property, they promote an expectation that all these patented products will stay put and won't migrate onto their neighbor's land or into the air, water or soil. It's an impossibility to contain these toxic products (they are toxic to a broad spectrum of insects, plants, and other organisms.) which puts living organisms everywhere else at-risk...including humans. I choose NOT to coexist with someone who is engaged in biological warfare...and which, most importantly, ultimately is introduced into the US food supply. GMO corn, GMO Soy, GMO sugar, GMO Canola, and all the other Glyphosate-soaked methods of growing monocrops, all contaminate our food supply. GMOs are not the same as normal food. The thousands of US Patents awarded to Monsanto, Dow et al is proof that they are unique inventions and distinguished by their contrived (engineered) DNA sequence....which our (human) DNA sequence, no doubt, recognizes as a foreign protein never-before-seen in nature, because it's an impossibility in nature to combine two different species of organism, thus beginning a cascading affect of human health disruption. Coexistence is a bitch when you unravel the biotech Ag lie. More Biotech Lexicon Translations to come! | 2/26/2016 |
| 202 | Gregory | Pais  |   | I am a registered naturopathic doctor in the state of Colorado. As such it is important to me and my patients to follow the dictum, First Do No Harm. There is no independent, scientifically derived proof that GMO crops are safe. Boulder County should follow the precautionary principle and not use products that have not been shown to be safe. In health, Dr. Gregory Pais, ND  | 2/26/2016 |

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| 203 | Graham | White  | <a href="http://www.gmwatch.org/news/archive/2010/11906-10-reasons-why-we-dont-need-gm-foods">http://www.gmwatch.org/news/archive/2010/11906-10-reasons-why-we-dont-need-gm-foods</a> | <p>I write from the UK, where GM crops are still ILLEGAL as indeed they are in most of the 27 countries of the EU. Please see the linked list of "Ten Reasons Why We Don't Want GM Crops" - here: <a href="http://www.gmwatch.org/news/archive/2010/11906-10-reasons-why-we-dont-need-gm-foods">http://www.gmwatch.org/news/archive/2010/11906-10-reasons-why-we-dont-need-gm-foods</a> My specific interest is as a beekeeper. As you know, in the USA around 20 million bee colonies have been killed by neonicotinoid pesticides since 2003. The massive use of neurotoxic pesticides is inseparable from GM crops since these vast industrial monocultures cannot survive without them. Over 90% of GM crops are modified to withstand repeated drenchings with glyphosate - recently declared a 'likely carcinogen' by the W.H.O. The rest are modified to include a deadly toxin (Bt) derived from a soil bacterium (Bacillus Thuringiensis). So, what will be the total effect of planting GM crops on 17,000 acres of Boulder County, coating every seed with a brain-poison and then drenching the crop with aerial sprayings of carcinogenic weedkiller?</p> <p>1. You will exterminate almost all bees, butterflies, pollinators, earthworms, soil invertebrates and beetles from the entire area. 2. Almost all insectivorous birds and mammals will disappear - as the recent American Bird Conservancy Report confirmed. 3. Overall biodiversity will shrink to a tiny fraction of its original richness and you will be left with an ecological desert - similar to most of the American corn belt. The GM corporations have a virtual monopoly on crop seeds in the USA and their intent is to impose this alien technology on the American farmer. They have no moral impulse to "feed the world" in any of this; their entire motive is profit, power and control. They have declared War on all Nature and their intent is to export that War to every country on this planet. Ultimately the intention is to control all seeds, all crops, all pesticides and all foods in every single country. This is truly an evil technology. Americans have been sold the Big Lie that there is "substantial equivalence" between GM corn and non GM corn, or soya, or wheat or canola. This is not true, but the USDA's acceptance of that lie, means that GM crops were never tested for safety in the USA. GM foods contain alien toxins and proteins, like Bacillus Thuringiensis toxin, and since they were used, the number of food allergies among children in the USA has exploded. More than 38 countries around the world do not accept this lie and have banned GM crops as a result, see here: <a href="http://www.gmo-free-regions.org/gmo-free-regions.html">http://www.gmo-free-regions.org/gmo-free-regions.html</a> There is no evidence that GM crops increase yields. There is massive evidence that they increase pesticide use by factors up to 600%. There is massive evidence of ill health and sickness among children in GM growing areas. Boulder County has an opportunity to set a national example by creating an oasis of GM free land, on Public Land. You should take it. The alternative is to become yet more GM serfs to Monsanto, Dow and Bayer. Graham White Scotland, UK.</p> | 2/26/2016 |
| 204 |        |        | <a href="#">10reasonswedontneedgmfoods.pdf</a>  |   | 2/26/2016 |
| 205 | Dixie  | George |   | <p>Boulder County enjoys its reputation as a healthy, vibrant place to live. Why not be a leader in healthy, sustainable farming practices? If other countries have banned using the pesticides present in GMO seeds, why would you want them here? My vote is NO GMOs.</p>   | 2/26/2016 |

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| 206    | Thia   | Walker | <a href="http://www.cepep.colostate.edu">http://www.cepep.colostate.edu</a>   | <p>I believe the 2011 BCOS Cropland Policy is appropriate for the current knowledge we have of Genetically Engineered crops. I realize there are a LOT of publications that “summarize” the ill effects of GE crops, however, I would caution you to only considered publications from legitimate, peer-reviewed journals. I realize that can be a difficult thing to determine, so I would encourage you to access ‘Beall’s List of Predatory Publishers’ to identify journals that are “pay to publish”, which lists nearly 700 predatory publishers. The numbers are increasing dramatically and this site is updated quarterly to help individuals such as yourself, and I, to whittle through the scientific publications and find legitimate sources.</p> <p><a href="https://scholarlyoa.com/2015/01/02/bealls-list-of-predatory-publishers-2015">https://scholarlyoa.com/2015/01/02/bealls-list-of-predatory-publishers-2015</a> It is critical that you consider using this resource. For example, one of the publications cited by the opponents of glyphosate is the journal of “Interdisciplinary Toxicology”, which is included on Beall’s List. The article of concern is the 2013 paper that is the major basis for most of the claims about glyphosate effects on human health (with no data). Samsel, Anthony, and Stephanie Seneff. "Glyphosate, pathways to modern diseases II: Celiac sprue and gluten intolerance." Interdisciplinary toxicology. 6.4 (2013): 159-184. Also they claim that glyphosate inhibits P450s, which is absolutely not true. Glyphosate is an organophosphate in the sense of chemical definition, but not in terms of what is classified as an organophosphate insecticide, which do inhibit P450s. I find it very insightful that one-third of your Cropland Policy Advisory Group is anti-GMO and a few of them are even anti-pesticide, calling for a ban on the use of pesticides containing glyphosate in BCOS Ag land. That appears to be a bizarre make-up for a group that generates policies for agricultural production. I understand they promote organic farming, but perhaps they do not realize that organic farming allows the use of approved pesticides, many of which are more hazardous to the end user and have greater impacts on the environment (pollinators, groundwater, persistence, etc.), than many of the pesticides used in conventional production. Additionally, organic production typically requires more pesticide applications. As for the call to ban glyphosate in BSOS Ag land, I am confident you recognize this as a stepping stone to banning other pesticides. Many of the pesticides used today are safer for the applicator and have less environmental impacts than previously used pesticides. They have been extensively reviewed by EPA prior to registration and are subject to re-review by EPA if there are concerns with adverse impacts, as with the neonicotinoids. I do not believe that individuals on the advisory group have the expertise to review pesticides, so let EPA do their job. I would also encourage you to NOT ban technology. The development and release of GE crops is continually evolving. BSOS cropland policy contains a provision that no GE crops will be planted within 3 years of release and only by approval. This demonstrates a critical process that demonstrates a level of control and stewardship over the GE crops.</p> | 2/26/2016 |
| cont'd |        |        | <a href="https://scholarlyoa.com/2015/01/02/bealls-list-of-predatory-publishers-2015">https://scholarlyoa.com/2015/01/02/bealls-list-of-predatory-publishers-2015</a> |   | 2/26/2016 |
| 207    | Vivian | Long   |   | <p>I think it is fine to use Oen Space land for agriculture, but do not support planting GMO crops. If we are to support agriculture on public lands in Boulder County, it should be by using truly sustainable agricultural practices and by experimenting with alternatives to standard "big" agriculture practices. Perhaps we should try moving away from monoculture crops. We should add extra "waste" land planted with beneficial insect &amp; bird friendly plants. There are better alternatives than to plant GMO plants that encourage the use of herbicides to kill "weeds." Let's support a better alternative that is more friendly to life and any neighboring organic farmers.</p>   | 2/26/2016 |

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|-----|---------|----------|--|---|-----------|
| 208 | Cathy   | Conery   |  | Dear County Commissioners, I am writing to express my strong opposition to the use of Boulder County Open Space land on which to grow GMO crops. This opposition is based on four concerns. First, there is concern about the safety of GMO foods for human consumption, although due to restrictions placed by Monsanto on research of GMO crops, this is hard to confirm. Secondly, there are valid concerns that pollen from GMO crops will contaminate nearby organic crops. This has been documented on numerous cases. In addition, the use of RoundUp ready seeds is having a devastating effect on bees in Boulder County and throughout our country. It is considered by local bee keepers to be a leading cause of colony collapse. Finally, I do not believe the majority of the citizens of Boulder County support the use of Boulder count Open Space land, which is paid for with our tax dollars, for the raising of GMO crops. If necessary, I think this decision should be brought to a vote of the citizens. I was disappointed in the original decision to allow GMOs to be grown on Open Space land. I feel the Commissioners were influenced by large groups of out of area farmers, who were brought in by companies that have a vested interest in the ongoing use of GMO crops. I hope this time the Commissioners will listen more closely to the local citizens and oppose the expanded use of GMOs on Boulder County Open Space. Cathy Conery | 2/26/2016 |
| 209 | Martha  | Griffin  |  | Please do not allow GMO crops to be grown in our county! Many countries ban them and many people do not want to eat them or live in an area where they are grown. Big dishonest businesses make a lot of money on this and many people do not feel it is good for the health of people and animals. Thank you!  | 2/26/2016 |
| 210 | Vernita | Cannon   |  | Dear County Commissioners, I am writing to express my opposition to growing GMO crops on Boulder County Open Space land. I am concerned about the fate of pollinators in today's world. Beekeepers believe Roundup-ready crops are a leading cause of colony collapse. I do not need to tell you that without pollinators, there is no food. I also know that birds are drawn to and will quickly eat the brightly colored Roundup-ready seeds. Pollen on the breeze contaminates any organic crops that may be nearby. Finally, and aside from known facts, I personally believe the open space is there to be enjoyed for its natural beauty, and if anything is to be done on it, it should be done in an organic way to keep the land as pure and in its natural state as possible. The use of Roundup-ready seeds to grow GMO crops does not seem appropriate for open space lands. My hope for this meeting is that the Commissioners will oppose the use of GMO crops on our open space. Thank you for your consideration, Vernita Cannon  | 2/26/2016 |
| 211 | Mike    | Otto     |  | I support the continued use of all technology options available to farmers in the production of their crops. Both conventional and organic farmers have been coexisting in Boulder County and can continue to for the overall benefit of Boulder County and the State of Colorado.  | 2/26/2016 |
| 212 | Tom     | Theobald |  | The County has been lobbied hard for the continued use of Genetically Modified crops (GMOs) on citizen owned land. Whatever the benefits may or may not be, these crops come wedded to an even more dangerous technology, seed coatings with systemic pesticides, primarily but not solely neonicotinoids. These are water soluble pesticides thousands of times more toxic than the chemicals they replace. They can last for years, accumulate with successive uses and poison successive crops or non-target plants. They have a devastating effect on life forms at the lower end of the food chain, pollinators, butterflies, beneficial insects, freshwater invertebrates, and they extinguish the life of healthy soil. They may represent the most massive poisoning of the environment in the history of humanity. Whatever the purported benefits of GMOs, they come at far too high an ecological cost, Local farmers either need to find another way to farm, or another place, because right or wrong, the citizens of the County are not going to tolerate this much longer. The County needs to help the farmers find those alternatives. And now the health questions are emerging. What will we tell our children and grand children? It's time to stop.   | 2/26/2016 |

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| 213 | Cynthia | Scott    |   | I oppose the use of genetically altered crops in Boulder County especially the Round up ready crops. These crops encourage the use of way too much glyphosate in our soils. I feel the best practice is to grow healthy soils. Soils teaming with a healthy microbiome lead to healthy food, healthy animals, healthy pollinators and healthy people. Healthy soils hold more water and feed our aquifers. Healthy soils reduce runoff and thus help prevent floods. Healthy soils produce more green growth and thus help limit wildfires. Healthy soils need less fertilizers and less overall inputs. Healthy soils sequester carbon and thus reduce the effects of global warming. Healthy soils keep pests in check so we don't need GMOs! Also, I am very concerned with the habitat loss created by the over use of roundup to kill the "weeds" on farms. That habitat in the form of hedgerows and flowering native plants along roads and highways is the only hope for our native pollinators and honeybees. I am a gardener and Beekeeper in Boulder and I also encourage native bees and butterflies and soil organisms. The longer I observe this world, the more I am convinced that we need to encourage the whole ecosystem rather than trying to eliminate a single pest. All the predators already exist and can take care of many of our problems. The key? Healthy soils and no GMOs. Thank you so much, Cynthia Scott   | 2/26/2016 |
| 214 | Mary    | Smith    | <a href="http://sustainablepulse.com/2015/07/15/who-cancer-expert-glyphosate-is-definitely-genotoxic/#.VtCmv_krJpj">http://sustainablepulse.com/2015/07/15/who-cancer-expert-glyphosate-is-definitely-genotoxic/#.VtCmv_krJpj</a> | Once again, scientist declare that glyphosate is harmful to human health. "Who Cancer Expert: Glyphosate is definitely genotoxic"><br><a href="http://sustainablepulse.com/2015/07/15/who-cancer-expert-glyphosate-is-definitely-genotoxic/#.VtB4hie9KSP">http://sustainablepulse.com/2015/07/15/who-cancer-expert-glyphosate-is-definitely-genotoxic/#.VtB4hie9KSP</a>  | 2/26/2016 |
| 215 | Michael | O'Keeffe |   | Are County Commissioners going to fulfill their promise on GMOs? "It's like déjà vu all over again." GMOs are up for renewal on open space once more. The question is why? County Commissioners Deb Gardner and Elise Jones promised to ban GMOs on public lands when they ran for office in 2011. They garnered a lot of support, after all 71% of residents in an independent county-wide survey opposed GMOs on Open Space, but failed to deliver. One can debate the GMO science and economic modeling until the cows come home (pun intended). What can't be debated is a broken promise in favor of 12 individuals and, it would seem, Monsanto and Syngenta. Concurrently, the Commissioners are floating ideas to extend taxes that will continue to subsidize up to 100% of the GMO seeds, pesticide and herbicides, including glyphosate, used on Open Space lands. Yes, you read that correctly, our taxes are used to purchase the GMO seeds, pesticides and herbicides used on open space. There is a reason the public has responded the way they have to the candidate pool for President. They're tired of promises made and not met by politicians, along with the favoritism afforded special interests. What we should see is the promised GMO ban and a moratorium on glyphosate use. Contrary to years of repeated agri-industry declarations of safety, glyphosate was declared a probable carcinogen by the World Health Organization in 2015. Is this what Boulder County wants on public lands? Deb Gardner and Elise Jones, you made a clear, definitive commitment to the people of Boulder County. It's time you lived up to it. Sincerely, Michael O'Keeffe | 2/26/2016 |
| 216 | Marcia  | Usow     |   | Today gardening, farming and Open Spaces all over the world is controlled by genetically engineered seeds, plants and pesticides. We have reached a critical point because our very existence and the lives of all creatures around us (including our children who play in the grass!) are affected by this control and intervention. Systems that we can't even imagine (crops, insects, birds, wild and domestic animals) are altered and endangered by these genetically altered products. Don't buy or grow genetically engineered seeds. Don't kill weeds with pesticides. Protect your family, local insect, bird and animal systems. Save your own seeds, if you can. They will produce stronger plants. Companion plant where possible. Our very lives, not just profits are at stake! And guess what-it's actually fun to dig in the dirt when the dirt itself isn't "dirty" with chemicals.  | 2/26/2016 |



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| 217 | Judy   | Mclaughlin |   | I understand that the Boulder County commissioners are interested in asking the voters to pass a “sustainability tax” to fund the sustainable management of Open Space land and other sustainability initiatives in the County. In light of that, it is important to understand that the farmers that grow GE crops are the majority of income for the Parks and Open Space Agriculture Division, and generally fund crop share lease agreements. Prohibiting GE crops on County open space would result in a clear loss of income for the County. In addition, the recent data compiled by the Parks and Open Space staff in conjunction with CSU Ag Extension clearly shows that GE cropping systems have significant sustainability advantages compared to both conventional and organic systems, particularly in the areas of water savings and reduced carbon emissions. It is completely illogical for the Commissioners to ban GMOs, which are financially and environmentally advantageous for the County, and then turn around and ask the voters for additional money to fund sustainability programs. Banning GMOs would be in complete conflict with the ask for the sustainability tax. The County needs to support agriculture that is both economically and environmentally sustainable. | 2/26/2016 |
| 218 | Donald | Murray     |   | I'm concerned about the planting of GMO seeds coated with systemic pesticides, not necessarily the GMO issue itself. Recent scientific findings have shown that the majority of the seed coating does not go into the plant. While there are guidelines for reducing (not eliminating) dust drift when planting, there is not oversight to make sure it is done correctly. These systemic pesticides do not break down in short order and are in the soil and water for extended periods of time. The USGS has found systemic pesticides (particularly neonicotinoids) in many streams in the Midwest. Also, Glyphosate has been shown to be potential carcinogen by the World Health Organization. I'm concerned that we are poisoning the soil and water surrounding the GMO crops.   | 2/26/2016 |
| 219 | Tom    | Spier      |   | Please keep GMO's out of Boulder County. Boulder County should be a leader in the country on this issue.  | 2/26/2016 |
| 220 | Nora   | Stombock   |   | I believe this is a complex issue, with very polarizing effects. I believe that we need farmers, and so the idea of creating some agricultural land out of our open space lands has merit. I think the focus on these lands should be to foster regenerative practices, which improve soil health, sequester carbon, and enlarge our ability to grow food here. Genetically engineered crops have unfairly contaminated conventional and organic crops. Transgenes can escape into wild relatives nearby. This can diminish the biological diversity on which life depends. GMO seed is coated with neonicitinoids, which are killing our pollinators. Glyphosate is found nearly everywhere now, which is probably a carcinogen, and more importantly, is an indiscriminate killer of all plants. Again, loss of biological diversity. In short, there are no easy answers, but there is no urgency to continue or increase the use of GMO's on our public land. Please weigh the desires of your constituency over the agribusiness lobby.  | 2/26/2016 |
| 221 | Larry  | Moir       | <a href="#">the_answer_to_the_question_of_using_gmos_on_bcpos_if_i_am_asked_is_yes.docx</a> | My comments are detailed on my attachment. I am for the continuation of the ability to use GMOs on Boulder County Parks and Open Space.   | 2/26/2016 |
| 222 | Kay    | Allison    |   | Please follow through on your campaign promises and VOTE NO on GMOs on Open Space!  | 2/26/2016 |
| 223 | Alan   | Lewis      | <a href="#">comment_from_alan_lewis.pdf</a>   | This document was first drafted as a comment to the National Science and Technology Council Emerging Technologies Interagency Policy Coordination Committee in the Office of Science and Technology Policy, Executive Office of the President as part of an official comment to the docket submitted in November, 2015 (Docket ID: FDA-2015-N-3403).  | 2/26/2016 |

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| 224 | Beata   | Pabian | <a href="http://gmknow.org/wp-content/uploads/2011/10/GMO-Free-Boulder-Survey-TOPLINE-RESULTS-for-release.pdf">http://gmknow.org/wp-content/uploads/2011/10/GMO-Free-Boulder-Survey-TOPLINE-RESULTS-for-release.pdf</a> | <p>Dear Board of County Commissioners, I have been living in Boulder for nearly 11 years. I work in the natural and organic industry and play in this city as do my two young children and husband. I do NOT WANT GMOs in my "backyard" in open space!!! I sat through the first 5 hour hearing a years ago and even spoke then, and after countless hours of testimony, the Commissioners then decided the evidence was inconclusive?!!!! Really??? And then months later in December 2011, allowed GMOs sugar beets to be grown on open space. Cowards!!!! You may recall, in 1997/1998, under Secretary of Agriculture, Glickman, over 200,000 consumers wrote letters to the USDA against GMOs, irradiation, sludge and that was long before GMOs were as well known by the American Public. It is now 2016 and almost 20 years later we are still battling the same deep pockets in the food industry who can afford to protect their interest. Everyone knows, that there are Billions at stake and those companies are all about making cheap crap foods. I know, I worked at one big one for 10 years. Stop it!! Stop it here in Boulder! where thousands of people not only count on the natural foods industry to support their families financially, but also count on it to change the tide of environmental corruption and rape by big agro-business.... We count on this industry to make changes, and it has.... back in 1998 the organic industry was only \$3B now it's \$39B.... organic food is found in every store in the country but in every store in Boulder because people believe it's better for the environment, their health. (Why do I mention organic? Because organic doesn't allow GMOs!). Don't fold to big \$\$\$ - listen to the people - there are tens and tens of studies that point that most Americans don't believe GMOs are safe. Here's one from one of the most trusted sources in the US: <a href="http://www.pewresearch.org/fact-tank/2015/08/11/amid-debate-over-labeling-gm-foods-most-americans-believe-theyre-unsafe/">http://www.pewresearch.org/fact-tank/2015/08/11/amid-debate-over-labeling-gm-foods-most-americans-believe-theyre-unsafe/</a> Here's one from Boulder: <a href="http://gmknow.org/wp-content/uploads/2011/10/GMO-Free-Boulder-Survey-TOPLINE-RESULTS-for-release.pdf">http://gmknow.org/wp-content/uploads/2011/10/GMO-Free-Boulder-Survey-TOPLINE-RESULTS-for-release.pdf</a> Listen to your people -- the people of Boulder and Boulder County... the heart of natural and organic foods in the US - an economic force that brings people to Boulder in droves to seek that support, common purpose and common life joy to be doing something that has positive global implications!!!! Please listen... Please act with courage. Don't support GMOs with our/my money to the detriment of my healthy and more importantly, the health of my kids on Boulder open space!!!!!! Hopeful, Beata Pabian</p> | 2/26/2016 |
| 225 | Jannell | Shaw   |   | <p>I am a resident of the city of Boulder. We have a family, large garden and bees. As a tax paying citizen, I don't appreciate that the open space, held in trust for our community, is being poisoned. As a beekeeper I have directly experienced colony collapse and believe GMOs and the use of glyphosate to be direct contributors. I do believe that local agriculture is an important use of open space. I also believe that eating locally produced foods are healthy and good for our community, however, those foods should be as healthy as possible. The use of GMOs and glyphosate-resistant crops should not be happening on our public open space. Those lands should be held in trust and be as little polluted as possible. Our pollinators need an area where they can go and not be poisoned by the food sources they pick up and bring back to the hive.</p>   | 2/26/2016 |

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| 226 | Laura  | Tyler | <a href="https://www.youtube.com/results?search_query=honeybees+and+corn+pollen">https://www.youtube.com/results?search_query=honeybees+and+corn+pollen</a> | <p>Dear Commissioners Domenico, Gardner and Jones, My name is Laura Tyler and my husband, Andy Schwarz, and I are co-founders of the Boulder based honey company, Backyard Bees. We've kept bees in Boulder County for over 15 years and have sold our honey, beeswax and propolis at the BCFM since 2002. A lot has changed since the Boulder County Commissioners approved this language for inclusion in the 2011 Cropland Policy document: 9.12. Pollinators, especially bees, are vital to agriculture in Boulder County. Maintaining healthy pollinator populations requires cooperation between farmers, ranchers, bee keepers, and the county. The county shall provide opportunities for dialogue and cooperation between all parties. In the event that any pesticides or practices are linked with Colony Collapse Disorder, Boulder County will work with all involved to eliminate the impact possibly including a ban on a practice or pesticide. WHAT'S CHANGED:</p> <ul style="list-style-type: none"> <li>• The science linking bee decline to systemic pesticides, once controversial, has become settled. While not everyone agrees that systemics are the *leading* cause of bee decline, most scientists today concede that there is a link. Since I know other citizens will be highlighting current research for you in their testimony, I won't repeat that info here.</li> <li>• Beekeeping has become more difficult than ever in Boulder County with many new beekeepers becoming discouraged and giving up after a year or two of failure, and existing beekeepers struggling to keep a semblance of their apiaries going.</li> <li>• On a personal note, our honey production has declined by 80 - 90%. We are harvesting just 10 - 20% of the honey we did pre-2010, which was the first year we experienced a big drop in productivity. We've witnessed a correlation between bee location and bee decline. Our bees east of 95th were the first to fail and we've watched with dismay as bee health and productivity problems have crept inward, closer to Boulder, as the years progress. We no longer keep bees east of 75th and struggle to find locations where they can do well.</li> </ul> <p>WHAT'S STAYED THE SAME</p> <ul style="list-style-type: none"> <li>• The practice of coating seeds with systemic pesticides is at odds with the principles of Integrated Pest Management which instruct farmers/applicators to treat with chemicals only when necessary, not prophylactically.</li> <li>• Bees - which will forage up to several miles away from their home colonies - continue to seek out corn pollen at the height of the summer when other pollen sources are less available. The fact that corn is a wind pollinated plant doesn't prevent bees and other insects from seeking it out when it's available. See the link for search result for "honeybees and corn pollen" on Youtube.</li> </ul> <p>OUR REQUEST We urge you to eliminate the impact of systemic pesticides on Boulder County's bees and other pollinators by prohibiting the prophylactic use of systemics in the form of seed coatings on Boulder County Open Space. Thank you, Laura Tyler and Andy Schwarz Backyard Bees 303-494-6378<br/>                     Laura@BackyardBees.com</p> | 2/26/2016 |
| 227 | Luther | Green | <a href="#">luther_green_preserving_community_cc_psac_cropland_policy_comments_february_2_2016.pdf</a>  | Please refer to comments about the Cropland Policy in the uploaded PDF file  | 2/26/2016 |

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| 228 | Emily  | Greenwood |   | <p>I have lived in Boulder County for almost 20 years and am an avid home gardener of organic vegetables. I pay close attention to what my family consumes and am an employee of Boulder County Parks and Open Space and the University of Colorado Boulder. I care deeply for my environment. It has been my life's work. I design landscapes which reflect and improve local ecology. I keep native bee boxes to propagate native pollinators. I believe all of these statements would lead someone to believe that I would be staunchly opposed to glyphosate resistant corn and sugar beets being allowed to be grown on agricultural lands leased from Boulder County. This is not the case. I believe that it is unreasonable to think that we can support our growing population on organic food alone. Setting policies that do not match the needs of the population does not seem like a responsible reaction to changes in agricultural demand. I personally visit hundreds of agricultural properties in Boulder County per year and I would vouch for the fact that there are many generational farmers who are responsibly managing their property and doing less harm to their property and to adjacent properties while planting GMO crops. They are able to use fewer pesticides (not more) and produce more food per acreage. I also see many failed organic farms. Much to my disappointment, this is where people who do not have knowledge of multiple generations will come, attempt their dreams, and then leave a property ridden with weeds (which then needs to be treated for years with herbicides). The other tragic truth is that many multi-generational farmers will not be able to make their living without corn and beets, meaning that we will push out the families who have sustained the agricultural economy for decades.</p>  | 2/26/2016 |
| 229 | Steven | Hoffman   | <a href="#">boulder_county_commissioners_comments.pdf</a> | <p>Dear Boulder County Commissioners, Thank you very much for the opportunity to present to you my request as a citizen of Boulder County to NOT renew the allowance of GMO crops to be cultivated on tax-payer owned Open Space land. Also, thank you for your interest in Regenerative Agriculture as a low-cost, practical and effective solution as to the use of our public lands and as an alternative to allowing GMO commodity crops (that have no benefit to our local food system) to be grown on publicly owned Open Space cropland. Per your request, and as a follow up to my testimony on February 9, I have compiled a sampling of recent case studies, information and resources regarding how regenerative agriculture is a solution to not only to feed the world but to sequester carbon and reverse climate change - in a way that does not pollute our environment, community and citizens with toxic, synthetic pesticides and ammonium nitrate fertilizers - and without the use of genetically engineered crops, for which there is NO consensus on safety. Please see the .pdf file, attached. Please know that the science and methodology related to regenerative agriculture is relatively new, so there is a great need for continued research, as well as agricultural extension, for which there has been little to no funding to date. However, with conventional, industrial and GMO-related agriculture responsible for up to half of all global greenhouse gas emissions, by some estimates, these resources offer a critically important new perspective on how regenerative agriculture can be used as a practical, low-cost solution to reversing climate change. The solution to climate change is, quite literally, right under our feet. This is something in which Boulder County residents will have great interest in supporting in place of a GMO policy that benefits only a few. I urge you, as leaders in Boulder County to vote NO on renewing or allowing any GMO crops on taxpayer owned, Open Space. And for County Commissioners Deb Gardner and Elise Jones, I remind you to keep your campaign promise to ban GMOs on Open Space land. Thank you, Steven Hoffman Longmont, CO</p> | 2/26/2016 |

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|-----|--------|--------|---|---|-----------|
| 230 | Teagen | Blakey |   | <p>You say “Boulder County Parks and Open Space's vision is to be a national leader in sustainable agriculture.” However your current practices of allowing glyphosate resistant corn and sugar beets to be grown on our public lands are as contradictory to that as possible. At the FDA biotech companies claim that GMOs are substantially the same as all other food, hence they are considered safe. Then at the patent office these same companies claim that GMOs are substantially different from all other food in order to obtain a patent on their product. Either the biotech corporations are lying to the FDA or lying to the patent office. In November of 2012 the Journal on Food and Chemical Toxicology published a first of its kind paper by Gilles-Eric Seralini and his team of researchers at France’s Caen University titled “Long Term Toxicity of Roundup Herbicide and a Roundup-Tolerant genetically modified maize.” “The study found severe liver and kidney damage as well as hormonal disturbances in rats fed with GM maize in conjunction with low levels of Roundup that were below those permitted in most drinking water across Europe. Results also indicated high rates of large tumors (after 9 months) and mortality in most treatment groups.” (Collective Evolution) A little over one year after this peer viewed study was published it was retracted at the request of the journal to the outcry of hundreds of scientists across the globe. After passing through rigorous peer views once again it has been republished in: Environmental Sciences Europe. “The major criticisms of the Seralini manuscript were that the proper strain of rats was not used and their numbers were too small. Neither criticism is valid. The strain of rat is that required by the FDA for drug toxicology, and the toxic effects were unambiguously significant. In fact, Monsanto published a similar study in the same journal eight years before using the same number and strain of rats. Their study was for 90 days and claimed no harm. In contrast, the Seralini study was for two years and did not see any tumors until after nine months. Therefore, it is clear that the short 90-day feeding paradigm is not sufficiently long to detect the carcinogenic effects of GM products. It takes a long time before low-level exposure to environmental toxins affect health. For example, a recent Associated Press report documented the dramatic increase in birth defects and cancer in areas of Argentina that have grown GM soy for a decade. Given these facts, what was the justification for the editorial decision to retract the Seralini manuscript?” (San Diego Union Tribune). “We also show that the decision to retract cannot be rationalized on any discernible scientific or ethical grounds. Censorship of research into health risks undermines the value and the credibility of science, thus, we republish our paper.” (Seralini) Do not continue to undermine public health by allowing toxic GMO crops and the herbicides that accompany them to be grown and used on public land!</p> | 2/26/2016 |
| 231 | Yvonne | Short  | <a href="http://www.gmoseralini.org/portfolio-items/seralini-roundup-and-gm-maize-study-video/">http://www.gmoseralini.org/portfolio-items/seralini-roundup-and-gm-maize-study-video/</a> | <p>I am submitting a link to a 12 min. clip of scientifically proven evidence of CHRONIC TOXICITY of ingested GMO corn using Roundup for the growing of it. Clearly presented in depth by the Seralini’s study; the 1st long term (2 yr.) study ever conducted on rats, using Sprague-Dawley (SD) rats, the same rats Monsanto used in its 90-day studies on GM foods and glyphosate. Seralini’s study revealed that tumors don't begin to appear until after 4 to 7 months of feeding on GMO corn, the same type of corn approved of by our FDA. Further serious toxicity manifested in the kidneys and livers as well. This study is groundbreaking and ABSOLUTELY needs to be acknowledged when reviewing the decision of allowing GMOs on Boulder County public lands. Taken into account before the decision was made I don't see how any governmental body can knowingly approve something that is TOXIC as a food or food ingredient grown on our public lands. Please study this important information and further study links to all the Seralini findings included at the bottom of the short clip link provided. If this weren't enough evidence to ban all GMOs on public lands the grave issue of pollinator health, or lack of, should be enough to stop this madness. This isn't only a local concern! What Boulder County does adds to what the whole world is experiencing. Please don't add to the poisoning of our already seriously troubled world, do the right thing and BAN GMOs on Boulder public lands. Thank you for looking at the evidence.</p>   | 2/26/2016 |

**Boulder County Cropland Policy Comments**  
 (Received by the deadline of 2 p.m. Friday, Feb. 26, 2016)

| #   | Name   | Last     | Website, Attachment, or Article URL (optional) | Comment (please limit to 500 words or roughly one-page)   | Submitted |
|-----|--------|----------|--|---|-----------|
| 232 | Erik   | Sundberg |  | Please restrict use of pesticide like neonicotinoids use within land that's leased out by the county. Please restrict GMO corn as well. Corn is wind pollinated and blows across lands and makes it hard for non GMO growers.   | 2/26/2016 |
| 233 | Jessie | Stewart  | <a href="#">bcco_2.docx</a>                    | How should someone feel about Genetically Modified Organisms? This is a question that does not have just one answer because not everyone can feel the same about it. A person's answer is shaped by their paradigm. And though a paradigm sounds like a exceptionally scientific term it is rather a natural concept. A paradigm is a mental map that shapes the way in which you might view the world. It is formed by past experiences for every single person. A young girl grew up in an agriculturally based family. She knew the fluctuation of corn seed prices, the differences in soil composition, and the impact of all levels of precipitation. Her father taught her how to distinguish various types of crops as she drove by green fields. And as this young girl grew up, farmers became her heroes. She knew the name of all the farmers within a 50 mile radius and they as well knew her. She only dreamt of raising livestock and having an impact on agronomy. However, as this young girl grew up the world began to change. Farmers were no longer praised and respected but slandered. The entire world's attention turned towards this young lady's heroes. They were slandered left and right and it raised immense confusion to many of the youth that exhaulted the men in women in the field. Later, it became a war of words. Agriculturalists turned their backs and speculators closed their minds. That is the current situation in America and it hit closer to home for that young lady this year in Boulder County. I am that young lady. And I no longer dream about making an impact on agriculture because I am in the progress of actually achieving that such dream. I attend Northeastern Junior College where I study Agriculture Business and hail from the heart of Weld County. Boulder County is a partner in the agricultural strength in not only Weld County but the entire state of Colorado. The future of agriculture for Boulder County is being impacted by millions of people currently and every single person has an opinion regarding the banning of GMO's in our home towns. Many people will use their ultimate persuasion methods to try and sway the decision of the county commissioners and will do so with many mechanisms from protesting to articulated statistics. And this is a natural defense mechanism because everyone has to encourage and prove that their paradigm has formed the right solution. Everyone believes that how they see the world is without a doubt the way it is meant to be because of their past experiences. However, this young lady who is in fact an aspiring agriculturalist will not be doing such things. I could analyze a system of studies and declare my disagreement in the surliest fashion but that is an ancient battle of which I will not participate in. | 2/26/2016 |

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|-----|-----------|-------------|---|---|-----------|
| 234 | M Adaline | Jyurovat    | <a href="http://www.scientificamerican.com/article/weed-whacking-herbicide-p/">http://www.scientificamerican.com/article/weed-whacking-herbicide-p/</a> | The EPA, USDA and the chemical corporations cannot be trusted. We are the ones who have to protect our health, our food safety, etc. Take their government endorsed products off our public lands now. We need a Citizens Cropland Policy. Research - inert ingredients in Roundup: Federal law classifies pesticide ingredients that do no harm to pests as "inert." However, those inert ingredients may be biologically or toxicologically harmful – they just don't kill targeted insects or weeds. EPA spokesman Dale Kemery: "Risk estimates for glyphosate were well below the level of concern." (What is he really saying? Who estimates the risks? Whose level of concern? Who is deciding for all of us? Trust US We're Experts?) The EPA classifies glyphosate as a Group E chemical, which means there is strong evidence that it does not cause cancer in humans. (scientific proof?) "In addition, the EPA and the U.S. Department of Agriculture both recognize POEA as an inert ingredient. The EPA has concluded that it is not dangerous to public health or the environment." "In the French study, researchers tested four different Roundup formulations, all containing POEA and glyphosate at concentrations below the recommended lawn and agricultural dose. They also tested POEA and glyphosate separately to determine which caused more damage to embryonic, placental and umbilical cord cells." ... "some inert ingredients have been found to potentially affect human health. Many amplify the effects of active ingredients by helping them penetrate clothing, protective equipment and cell membranes, or by increasing their toxicity. For example, a Croatian team recently found that an herbicide formulation containing atrazine caused DNA damage, which can lead to cancer, while atrazine alone did not." (This means combination with other ingredients in a product creates a toxic mixture.) "The authorizations for using these Roundup herbicides must now clearly be revised since their toxic effects depend on, and are multiplied by, other compounds used in the mixtures," Seralini's team wrote. (EPA took public comments in 2010, has suppressed the regulation for 5 years re: labeling inert ingredients.) Rebuttal by Monsanto, complains that tests were done on cells, not people. Have Monsanto scientists tested human beings in their studies? "These are just not very good models of a whole organism, like a human being," said Dan Goldstein, a toxicologist with Monsanto. We do have evidence, many times over, of harm to people (human beings) living near areas that have been sprayed consistently: "Last month, an environmental group petitioned Argentina's Supreme Court, seeking a temporary ban on glyphosate use after an Argentine scientist and local activists reported a high incidence of birth defects and cancers in people living near crop-spraying areas. Scientists there also linked genetic malformations in amphibians to glyphosate. In addition, last year in Sweden, a scientific team found that exposure is a risk factor for people developing non-Hodgkin lymphoma." <a href="http://www.scientificamerican.com/article/weed-whacking-herbicide-p/">http://www.scientificamerican.com/article/weed-whacking-herbicide-p/</a> | 2/26/2016 |
| 235 | Tracy     | Bellehumeur | <a href="https://youtu.be/v9I8cJxU7cw">https://youtu.be/v9I8cJxU7cw</a>   | Dear Commissioners, I have reviewed a number of research films on the topic of GMOs and compiled a short youtube video for you to review. <a href="https://youtu.be/v9I8cJxU7cw">https://youtu.be/v9I8cJxU7cw</a> We chose key points from the following films: 1) Earth Focus: "Neonicotinoids, the New DDT?", 2) Symphony of Soil, and 3) Genetic Roulette. The correlation of human health issues with GMO corn and glyphosate (and neonics) is based on data from the USDA, NASS, CDC, and SEER, as reported in the Journal of Organic Systems, Sept. 2014. I am opposed to the use of GMOs and neonicotinoids on our public land. Thank you so very much for your time! Tracy Bellehumeur, Cary MacDonald, Theresa Beck, Eric Berhardt, Jan Liverance  | 2/26/2016 |
| 236 | Robert    | Mulley      |   | GMO crops require a high use of chemicals, and the long term health impacts on humans, pollinating insects, and the planet is unknown. Until it has been proven safe, I don't think that Boulder County should allow GMO's to be planted on it's land. Boulder County has been a leader in environmental policy and part of the reason I find it so special; I'd like to see that leadership continue.  | 2/26/2016 |

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|-----|--------|------------|--|--|-----------|
| 237 | Juliet | Wittman    |  | I am writing to ask you to ban GMOs from public land in Boulder County. We hear constantly that GMOs are safe--and that scientists agree on this--yet scientists investigating the issue are muzzled and harassed, and most research is funded by the giant food companies. We cherish our small and organic farmers, Boulder is known as a healthy, organic hub, and all the county commissioners pay lip service to sustainability/ Now they need to back up their talk. As for the comment that we--those who protest--should provide alternatives: We have told you what we want: GMO-free land. It's up to you and other paid staff to figure out how to get there.   | 2/26/2016 |
| 238 | Jerry  | Sonnenberg | <a href="#">gmo_written_comments.docx</a>      | Biotechnology helps ensure the safe, effective, and efficient production of food and fiber. Returning to a food production system without the use of biotechnology is less efficient and worse for the environment. According to a recent meta-analysis that consolidated scientific evidence, carried out by the University of Perugia in Italy, the adoption of GM technology has reduced chemical pesticide use by 37%, increased crop yields by 22%, and increased farmer profits by 68%, on a global average basis. The use of fewer inputs, reduced soil tillage and therefore erosion, and improved water filtration and water quality enhances farmers' ability to grow crops more sustainably. GMOs have helped farmers reduce their environmental footprint by allowing them to use fewer inputs and enabling a shift to reduced tillage. These practices have led to less time spent on a tractor, less fuel used, and fewer emissions overall. As a result, GMOs have helped reduce CO2 emissions equivalent to removing 12.4 million cars from the road for one year. They have also led to 1.2 billion pounds less pesticides being used between 1996 and 2013. As a world leader in agricultural production, the United States has not only the opportunity but the responsibility to continue to pioneer improved production methods, to feed our own citizens, and a rapidly growing global population. Thanks to what could ostensibly be called a coalition of the willfully ignorant, we are witnessing a historic injustice by the well fed on the food insecure. If the banning of biotechnology is taken up by first ourselves and then internationally, we risk marginalizing a critically important technology that we must surely employ if humanity is to feed itself sufficiently and sustainably in an increasingly difficult and challenging future. GMOs have been given a bad rap, and if one truly does research and find true scientific studies, this technology has the potential to feed millions and save countless lives, while reducing farm inputs and environmental impacts. GMOs must be approached with an open mind, and those who fear-monger should be ashamed. | 2/26/2016 |
| 239 | Edward | Dawson     |  | To present we have been unable to convince our governing bodies to support the labelling of GMO products deemed safe for consumption. Barring that important information I would like to recommend to the commsioners that they make our public lands a sanctuary from such crops and pesticides that have contributed to the tremendous increase in gastrointestinal diseases in our country. We have been able to restrict the use of our public lands for their safety and ours, Let's do the same now to insure a brighter future for all.   | 2/26/2016 |



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|-----|---------|--------|--|---|-----------|
| 240 | Richard | Miller |  | <p>As a Boulder County farmer I ask you to extend the Cropland Policy as it was originally written. It was and still is a well crafted policy developed correctly by thousands of hours of input, research, and compromise on all sides of the issues. BCPOS personnel did a exemplary job with all facets of this Cropland Policy. Why you are putting it up for discussion and ideological debate baffles me. The facts and science have proven GMOs are safe and effective and needed to help feed and clothe a starving world efficiently and effectively. I believe some of you may be caving in to the natural food and organic industry. Back in 2008 as a original member of the BCFAPC it was well known that the local Organic Dairy was pressuring open space for 10-12 thousands acres of certified organic farm ground to secure a local cheap organic feed source. I assume this is still the driving force behind your actions today. Attacking GMOs via political activism is a vehicle for them getting unfair enrichment. Please do the right thing, make the right decision and let the farmers who lease, invest their own money and capital, treat and care for your land as if it were their own, farm the best way they know how without politically driven restrictions. You have lost two of your best employees in the BCPOS recently, including your ag manager, because you wouldn't let them manage correctly and take their input properly without forcing your political power and will on them. Stonewalling and not releasing the white paper analyzing the pros and cons of different farming practices because it didn't say what you wanted was stupid at best. Farm ground should not be managed by political activists and politicians including county commissioners but by active farmers and their families who are your tenants, their crop consultants and advisors, and guidance from land grant agricultural universities and educational institutions. If you want to micro manage the counties farm ground then resign from being a politician, sell your house, buy some farm equipment and get with it. Farming is much more complicated and harder work than most people think. None of you as county commissioners are equipped with the knowledge, expertise, and experience to be a successful sustainable farmer or I wouldn't be wasting my time writing this, but you are damn good at trying to appease everybody who has suddenly become experts on agricultural technologies who have been educated by the organic food industry. I see your choice is to either work with your farmers or pander to the corporate organic food conglomerates or better yet sell your interest in your open space farm ground holdings while retaining conservation easements and get out of the farm management business and spend your time and additional monies on affordable housing, childhood food insecurity, the elderly and other pressing social issues. Let the current Cropland Policy stand as written please.</p> | 2/26/2016 |

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|-----|-----------|----------|---|---|-----------|
| 241 | M Adaline | Jyurovat | <a href="http://earthjustice.org/news/press/2014/health-advocates-challenge-epa-s-failure-to-require-pesticide-ingredient-disclosure#">http://earthjustice.org/news/press/2014/health-advocates-challenge-epa-s-failure-to-require-pesticide-ingredient-disclosure#</a> | <p>Example of EPA's failure to protect the public, failure to uphold reasonable standards of disclosure. EPA is unreliable source of information on safety of products. Boulder County Citizens are at the effect of the misuse of power and information at the EPA and the USDA. It is imperative that Commissioners and BCOS stop using the EPA rules as a yardstick for what is true, safe, healthy, preferable, in regard to the use of pesticides and gmos. We need to adopt the Citizens Cropland Policy. We cannot rely on agencies of our government for protection of our health, because they are heavily influenced by corporate profiteers. Is the same to be said of our local officials in Boulder County? They turn to the agencies as proof chemicals and gmos are safe for the environment and the planet. The agencies turn to the corporate profiteers for proof their chemicals are safe to use on crops. Below is an example of appointed leaders of the EPA suppressing regulations (since 2010) when corporate lobbyists want them to do so.</p> <p>March 5, 2014 San Francisco, CA — Today, Earthjustice is representing Center for Environmental Health, Beyond Pesticides, and Physicians for Social Responsibility in a case challenging the U.S. Environmental Protection Agency for failing to complete rulemaking that would require pesticides manufacturers to disclose the inert ingredients found in their products. An inert ingredient is any ingredient that is “not active,” or not targeted to killing a pest. Frequently these chemicals are more toxic than active ingredients, which manufacturers are required to disclose. “The EPA said that these inert ingredients should be labeled to protect consumers, but has done nothing to require such labeling. In the meantime, families and children exposed to these chemicals are suffering illnesses their doctors can’t adequately treat because they have no idea what chemicals they are dealing with,” said Wendy Park, attorney at Earthjustice. “The fact is that the EPA has identified hundreds of these ‘inert’ chemicals as hazardous or potentially hazardous. We need a safeguard in place to protect communities.” <a href="http://earthjustice.org/news/press/2014/health-advocates-challenge-epa-s-failure-to-require-pesticide-ingredient-disclosure#">http://earthjustice.org/news/press/2014/health-advocates-challenge-epa-s-failure-to-require-pesticide-ingredient-disclosure#</a></p> | 2/26/2016 |

Use one of these and it'll be a fair-weather one tomorrow.

BCC-CROPLAND POLICY-  
NO - TO FRANKENFOOD  
NO - TO GMO'S BEING  
GROWN ON PUBLIC SPACE  
NO - TO CHEMICALS  
LIKE ROUNDUP BEING  
USED TO KILL OUR ECO-  
SYSTEM.

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irritating the rest of your skin.



FREECARD

To Boulder County Commissioners  
Cropland Policy Comments 2/22/2016

My name is Craig Sterkel I am a Boulder County native of 59 years.

I have resided all of those years in Longmont Co. 2016 will mark my 31<sup>st</sup>

crop produced in Boulder County.

I worked as a farmhand during and after highschool. In 1985 with the assistance of the farmer I was employed by I had

an opportunity to rent 240 acres which I currently farm today. That was the foundation to where I am

today which is approximately 1450 acres of which 1000 acres are Boulder County open space. The remainder is privately owned or has a conservation easement.

My crops consist of:-

Sugar Beets - grower owned cooperative which has a \$380<sup>00</sup> per acre no plant penalty.

Miller-Coors Barley - Local company which I've grown for 30 years.

Shelled Corn, Winter Wheat, Alfalfa and grass hay. Buyers within a 50 mile radius.

I have been a consistent producer on county land which includes production per acre and revenues returned to the open space department. Even though I'm a tenant farmer and do not own any land myself I have managed and cared for these farms as if they were my own.

I support the use of biotechnology on open space lands and the current cropland policy. We should rely on these experts who have done this research and science of these crops whether conventional, organic or G.E. without having the choice to use these technologies it could limit the cropping choices and also the investment I have made to grow these crops. It could also impact me financially along with the suppliers and buyers I produce for. I may also have to make a tough decision about the future of my career in Boulder County.

And finally there could be less revenues returned back to the Open Space Department along with possibly becoming a program that might have to be subsidized. I again urge the Board of Commissioners to go forward and support current biotechnologies and the Cropland Policy.

Thank-you for your time  
Craig R. Sterkel



**CENTER FOR  
FOOD SAFETY**

February 24<sup>th</sup>, 2016  
Boulder County Commissioners' Office  
Cropland Policy Comments  
P.O. Box 471  
Boulder, CO  
80408

**RECEIVED**  
County Commissioners Office

FEB 26 2016

REC'D BY \_\_\_\_\_  
TIME \_\_\_\_\_

To Whom It May Concern:

Please accept the following documents as written testimony for Center for Food Safety for the public hearing on February 29<sup>th</sup> on whether to continue or change the current approval in section 6.1 of the cropland policy that allows for the use of GE (genetically engineered) crops on open space land.

Contact April Israel at 202-547-9359 with any further questions.

Sincerely,  
April Israel  
Center for Food Safety

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## U.S. CONTAMINATION EPISODES CONCERNING GENETICALLY ENGINEERED CROPS

**T**he following are just a few of the dozens of episodes in which pollen or seeds from genetically engineered (GE) crops have contaminated conventional crops, often causing seed or product recalls, and other problems for farmers and consumers. The regulatory mechanisms needed to prevent contamination are either missing or severely inadequate, jeopardizing export markets, farmer livelihoods, and consumer confidence.

- 2014** According to the National Grain and Feed Association, corn growers in the U.S. lost from \$1 to 3 billion in revenue last year after China rejected nearly 1.5 million metric tons of U.S. corn due to contamination with a GE variety, developed by Syngenta, that China has not approved for import. China, the 3rd largest U.S. corn buyer, began importing corn from America's chief corn export competitor, Brazil, to make up the shortfall, an example of how lax U.S. policies on GE crops harms American agriculture.
- 2014** The U.S. Department of Agriculture (USDA) announced in September 2014 that unapproved GE wheat was found growing at a university research center in Huntley, Montana, 11 years after being field tested by seed giant Monsanto.
- 2013** An export shipment of alfalfa from Washington State was rejected after the shipment tested positive for contamination with GE herbicide-resistant alfalfa. The U.S. is the primary alfalfa supplier to Japan, Saudi Arabia and other countries that prohibit and/or require labeling of genetically engineered foods. In 2012, the alfalfa market was valued at \$1.25 billion and has been growing steadily.
- 2013** The USDA announced that an unapproved GE wheat variety developed by Monsanto was found contaminating an Oregon farmer's field. Following significant disruptions to the wheat export market, several class action lawsuits were filed against Monsanto on behalf of wheat farmers.
- 2009** GE "Triffid" flax was approved in 1998 in Canada and the United States. Canadian flax growers feared that transgenic contamination would ruin export markets, and so had it banned in 2001. Eight years later, in 2009, their fears were realized. GE flax was detected in food items in 30 countries in Europe and Asia. Europe rejected contaminated flax shipments, flax prices plummeted and flax growers suffered considerable harm.
- 2008** U.S. government agencies announced that the Monsanto Company had notified them that an unauthorized GE cotton variety had been harvested along with 54 acres of commercial cotton.

- 2006** Bayer CropScience and Riceland Foods reported widespread contamination of commercial long-grain rice supplies, including exports, with Bayer's unapproved, herbicide-resistant GE rice. Japan immediately suspended imports of U.S. long-grain rice and ordered testing of processed rice products. Many European markets also closed. Because Bayer stopped field-testing the rice in 2001, it was likely in the rice seed supply, food chain and/or the environment for 5 years or more prior to its discovery. In a class action lawsuit, 11,000 rice farmers won a \$750 million settlement against Bayer for losses they incurred due to lower rice prices.
- 2006** EPA scientists announced that golf course grass (bentgrass) genetically engineered to withstand Monsanto's Roundup herbicide escaped the test plot via pollen flow or seed dispersal to form viable plants up to 2.4 miles away. Bentgrass can cross-pollinate with many different grasses, and 175 permits authorizing cultivation of over 4,400 acres of GE bentgrass have been issued since 1993. The Oregon Department of Agriculture discovered previously unknown populations of the GE bentgrass still thriving in the wild in 2011 and is still working to try to eradicate it.
- 2004** Biotech giant Syngenta revealed to U.S. authorities that it had mistakenly distributed an unapproved GE corn variety, Bt10, to U.S. farmers from 2001 to 2004, enough Bt10 to plant 37,000 acres and produce 165,000 tons. The episode resulted in numerous rejected corn shipments to Japan and the EU. Bt10 remains unapproved by US regulatory authorities.
- 2004** In the longest "gene flow" incident on record, genetically engineered bentgrass (see above) was found by EPA scientists to have cross-pollinated conventional grass up to 13 miles away in Oregon. Bentgrass can displace natural grass species in forest and native prairie settings. The U.S. Fish and Wildlife Service found that approval of GE herbicide-resistant bentgrass would likely jeopardize several endangered plant species. Herbicide-resistant bentgrass weeds created by such cross-pollination could also endanger the grass seed industry.
- 2004** GE papaya trees were discovered to have contaminated both organic and conventional, non-GE papaya on a wide scale. GE papayas have been grown widely in Hawaii since 1998. Just six years later, fifty percent of Big Island papaya seed samples showed GE contamination, including those taken from organic farms and people's gardens.
- 2003** UC Davis researchers discovered that, for seven years, they had been mistakenly distributing for research purposes GE tomato seed in place of a conventional variety.
- 2003** Tests showed that GE crops had contaminated wheat grown in the US, even though GE wheat was not approved for commercial use. Grain industry experts warned that approving GE wheat could mean the end of US exports to Europe and Asia.
- 2002** Experimental corn genetically engineered as a "biofactory" for drug production, produced by ProdiGene, Inc. of Texas, contaminated soybeans in Nebraska and potentially corn in Iowa. 500,000 bushels of contaminated soybeans worth \$3 million were quarantined at the elevator and destroyed, while 155 acres of corn were uprooted.
- 2001** Scientists were surprised to discover that GE corn has cross-pollinated with wild maize in Oaxaca, Mexico despite the country's moratorium on GE crop cultivation, in effect since 1998. It is thought that GE corn seed in food aid shipments from the U.S. was saved and planted.
- 2001** Monsanto was forced to recall thousands of bags of canola seed contaminated with a GE variety not approved for sale to Canada's major export markets. Incineration was planned for over 10,000 acres of fields already planted with the unapproved crop.
- 2000** Over 300 food products were recalled due to contamination by a GE corn (StarLink, produced by Aventis CropScience), not approved for human food due to concerns that it might trigger hazardous food allergies. Exports of corn to Japan decreased by 44% in one year. Depressed corn prices triggered huge losses for corn farmers. StarLink contamination was still being discovered in US corn shipments three years later.

# SOIL & CARBON

SOIL SOLUTIONS  
TO CLIMATE PROBLEMS



CENTER FOR  
FOOD SAFETY

2015

*While the farmer holds the title to the land, actually it belongs to all the people because civilization itself rests upon the soil.*

- Thomas Jefferson

## AN OVERVIEW

An excess of carbon dioxide (CO<sub>2</sub>) in the Earth's atmosphere is warming the planet and increasing the severity and intensity of extreme weather events. Because the atmosphere can only absorb so much of this greenhouse gas, excess CO<sub>2</sub> is dissolving into our oceans, causing them to acidify. Ocean acidification not only harms marine life, it puts food webs at risk.<sup>1</sup>

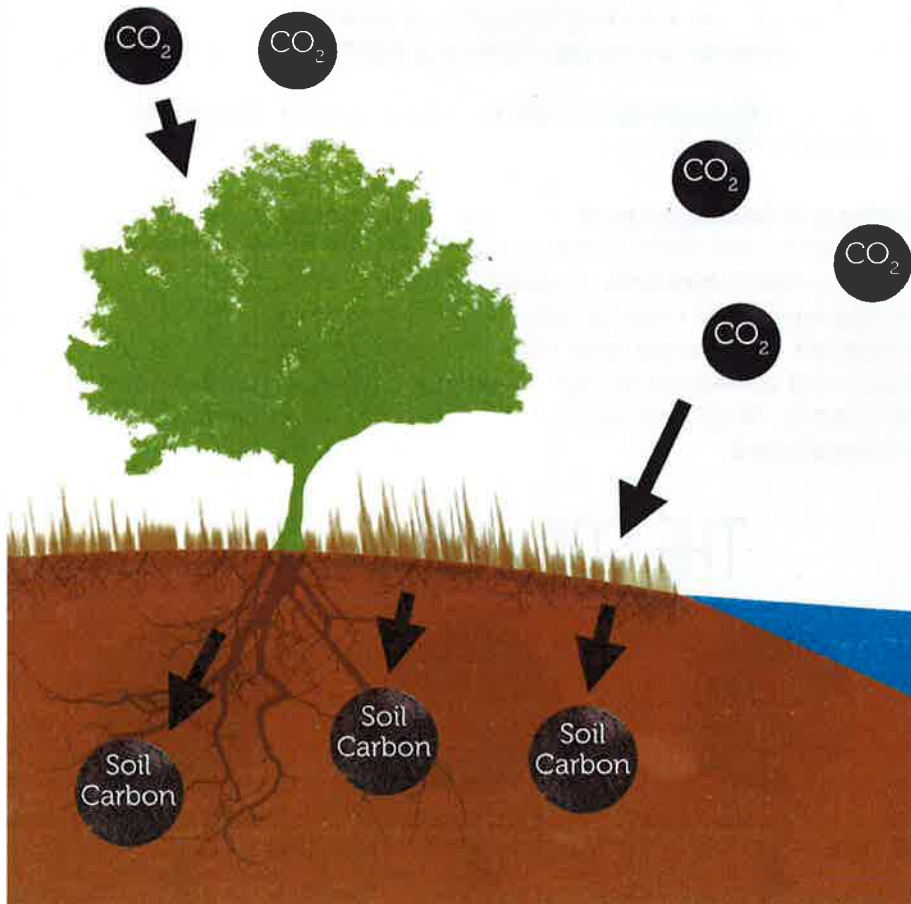
While this is a grim state of affairs, there is hope, and it is right under our feet in the soil. In fact, soil is the largest "sink"—or area of storage—where additional carbon would actually be extremely beneficial. Currently our cultivated soils globally have lost 50-70 percent of their original carbon content.<sup>2</sup> This means we have a tremendous opportunity to put carbon back into the soil where it creates positive feedback loops, making healthy soil a systemic solution to multiple problems including food and water security. Not only is rebuilding soil carbon entirely possible, unlike drastic climate mitigation measures like geoengineering, it is without risk.



### HOW DID CARBON BECOME A PROBLEM?

A key element of all living things, carbon is constantly cycling through different spheres as either a liquid, solid, or gas. Human activities—including the burning of fossil fuels, deforestation, the draining of wetlands, and repeated tillage—have disrupted the carbon cycle, taking it out of balance. Carbon per se is not the problem as there is a fixed amount of carbon on the planet. Humans are altering the chemistry of where carbon is stored, and climate change is a manifestation of that alteration.

Another way of looking at the problem is that too much of the carbon that was once in a solid phase in the soil is now a gas.<sup>3</sup> As a result, there is too much carbon in the atmosphere, too much in the ocean, but not enough stable carbon where it once was, in the soil.\*



*The process that actually removes CO<sub>2</sub> from atmospheric circulation is photosynthesis.*

- Christine Jones,  
Soil Ecologist

#### HOW DOES ATMOSPHERIC CARBON BECOME SOIL CARBON?

The Earth's soils store 2,500 billion tons of carbon—more carbon than the atmosphere (780 billion tons) and plants (560 billion tons) combined.<sup>4</sup> Additionally, fossil fuels, formed from ancient, fossilized plants and animals, store another 5,000-10,000 billion tons of carbon.<sup>5</sup> When burned, carbon molecules combine with two oxygen atoms to form CO<sub>2</sub>, a gas.

\*In fact, from 1750 to 2011, about one-third of total human-caused emissions were released through deforestation and land use change<sup>6</sup> (approximately 43 percent of which came directly from the Earth's soils).<sup>7</sup>

Plant photosynthesis has the remarkable ability to capture atmospheric CO<sub>2</sub>, release the oxygen back into the atmosphere, and convert the carbon into sugars. The plant uses some of this to produce above ground growth such as leaves. Meanwhile, as much as 40 percent of the captured CO<sub>2</sub> is released through the plant's roots to feed soil microbes, which in turn assist the plant in acquiring nutrients.<sup>8</sup> Microbes rely on this energy to create complex, stable forms of soil carbon, including humus.<sup>9</sup> If left undisturbed, soil humus can lock carbon into place for "an average life-time of hundreds to thousands of years."<sup>10</sup>

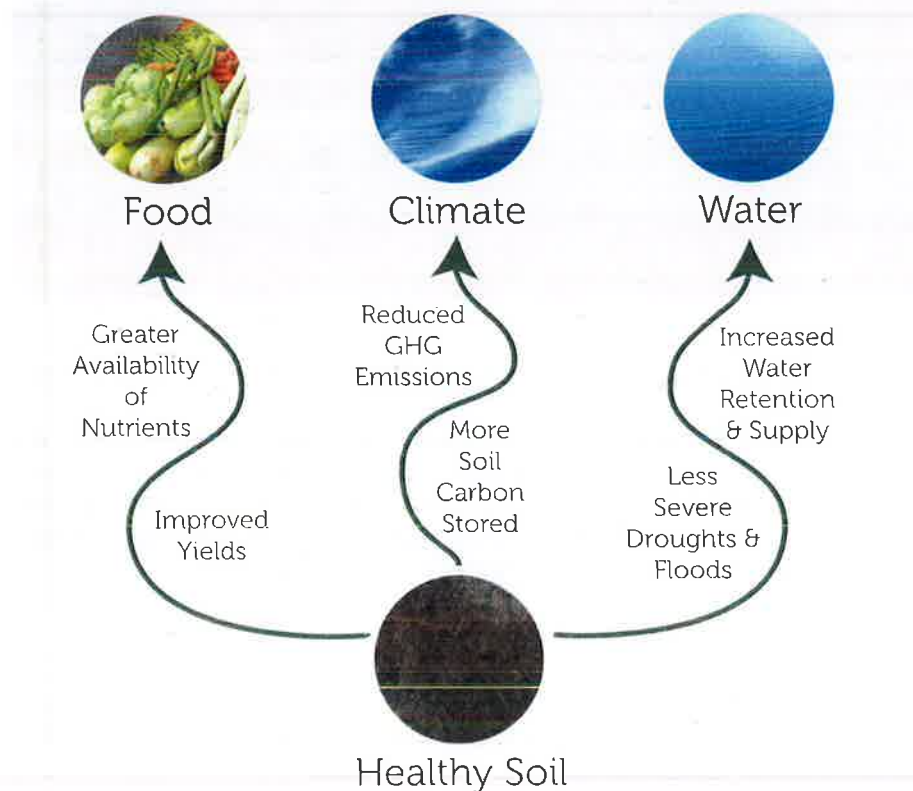
*We know more about the movement of celestial bodies than about the soil underfoot.*

- Leonardo da Vinci

### WHAT IS THE CONNECTION BETWEEN SOIL CARBON AND FRESH WATER STORAGE?

Healthy soils have aggregates, structures that create air pockets, allowing water to infiltrate the soil profile. Healthy soils act as giant moisture holding sponges, a function that is especially important in times of drought and flooding. When the aggregates are missing, soils lack pore space and can become easily compacted. Compacted soils lose the ability to absorb water, resulting in erosion and sometimes flooding. In order for rainfall to be effective, it must be absorbed by the ground where it falls. To do this the soil must have carbon to build aggregates.

## THE SOIL CONNECTION



## HOW DO SOILS LOSE CARBON?

Fertile soil can be degraded and lose carbon in a variety of ways. Paving over land kills soil microorganisms, rendering soil lifeless and interfering with natural carbon exchanges. Soils also lose carbon when native grasslands are converted to cropland. In the United States, for instance, between 2008 and 2012, 1.6 million acres of long-term grasslands were converted to cropland, releasing an equivalent amount of carbon to that of 28 million cars on the road or 34 coal-fired power plants.<sup>11</sup> As the United Nations Convention to Combat Desertification explains, "carbon is then trapped in the air as carbon dioxide, with nowhere to go, because degraded land loses its ability to capture carbon back into the soil. In this way, land degradation fuels climate change."<sup>12</sup>

*The soil is the  
great connector  
of our lives,  
the source and  
destination of all.*

- Wendell Berry

Soils also lose carbon in less obvious ways including: the long-term use of extractive farming practices such as tillage, leaving soils uncovered and exposed to the elements, and failing to feed microorganisms with organic matter. According to Ray Archuleta, an agronomist with the Natural Resources Conservation Service (NRCS), "our soils are naked, hungry, thirsty and running a fever."



## HOW CAN WE REBUILD SOIL CARBON?

Because fertile soil is alive and teeming with living organisms, it needs to be fed organic matter. In fact, the abundance of soil microbes and other organisms is generally proportional to the soil's organic matter content.<sup>13</sup> It is important to feed soil and protect it from temperature extremes, as well as from wind and water erosion, by keeping it covered. This can be done on agricultural lands by keeping the ground protected with a mix of cover crops (living plant roots feed soil life below), by leaving crop residues, and by using proper pasture management.

We can rebuild soil by adopting regenerative, organic agriculture including: polyculture, cover cropping, agroforestry, nutrient recycling, crop rotation, and organic soil amendments like compost and biochar.

*The real Arsenal  
of Democracy is  
a fertile soil, the  
fresh produce  
of which is the  
birthright of  
nations.*

– Sir Albert  
Howard



### WHY IS REBUILDING SOIL CARBON ESSENTIAL?

Rebuilding soil organic matter on a global scale is essential for food, water, and climate security. The multiple benefits of healthy soil are incalculable for: improved crop yields; a greater availability and variety of nutrients in food; increased retention and supply of fresh water; and, as more carbon is stored in soil, reduced greenhouse gases in the atmosphere. Soil erosion is an issue of global concern and widespread disregard for soil as the basis of our food system has led to desertification, hunger, and climate instability. Conversely, rebuilding soil health by increasing its carbon content will make communities more resilient in the face of escalating climate-related challenges.

### WHAT IS THE OPPORTUNITY?

Scientists are just learning about soil's sequestration's capacity, and as a result estimates vary on exactly how much carbon we can store. Rattan Lal, director of Ohio State University's Carbon Management and Sequestration Center and president elect of International Union of Soil Sciences, estimates that with proper management, 75-100 parts per million of CO<sub>2</sub> could be stored in soil and forestry systems.<sup>17</sup> Others believe the potential may be higher. Regardless of the actual amount, two things are certain: we have a global soil carbon deficit that can be addressed immediately by transferring atmospheric CO<sub>2</sub> into soil humus through plant biomass, and we know restoring soil health is the only way we can provide enough food and water to everyone on the planet.

### WHAT ARE THE RISKS?

Unlike geoengineering, rebuilding soil carbon is a zero-risk, low-cost proposition. It has universal application, and we already know how to do it. All that stands in our way is a greater awareness of the opportunity and the political will to make it happen.



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*Soil truly is  
the skin of  
the earth--the  
frontier between  
geology and  
biology.*

- Professor David  
R. Montgomery



—soil is the source of our food and fiber—



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# HIDDEN COSTS OF TOXIC SEED COATINGS

## Insecticide Use on the Rise

Scientists have identified pesticides—specifically a group of insecticides called neonicotinoids (abbreviated as “neonics”)—as likely to be an important cause of declining pollinator populations and poor pollinator health. Neonics are the most widely used insecticides in the world, and have been repeatedly shown to have lethal and sub-lethal effects on beneficial insects.<sup>1</sup> Neonics are also persistent in soil and are mobile in water. Recent monitoring by the US Geological Survey found neonics in most samples of Midwest streams.<sup>2</sup> In addition to harming pollinators, the large and growing body of research on neonics raises concerns about adverse impacts on aquatic invertebrates,<sup>3</sup> birds, and insects that protect our crops.<sup>4</sup>

Despite their importance, the main use of neonics, as crop seed coatings, is not included in official government pesticide use data. Claims by the pesticide industry that insecticide use has dropped in the United States exclude the most widespread use of neonics. This leaves a gaping hole in our pesticide data, and greatly underestimates harm to the environment. That is because the planting of seeds coated with a neonic, or other pesticides (such as fungicides), are not considered to be a pesticide application by EPA, unlike pesticides sprayed on a crop. The USDA and EPA have excluded data on seeds coated with pesticides despite their use on more than a hundred millions acres.

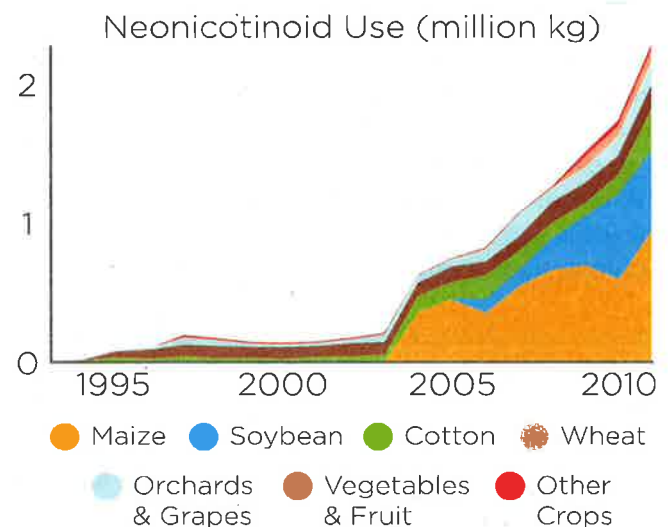
New research from scientists at Pennsylvania State University has largely filled the gap in U.S. insecticide data, and the results have troubling implications for our environment.<sup>5</sup>

Between 79 and 100 percent of corn seed and 34 – 44 percent of soybean seed is coated with neonics (and other pesticides). These are our two most widely planted crops. Other major-crop seed, including cotton and wheat, are also commonly coated with neonics. This means that, conservatively, over 100 million acres of cropland, about 57% of the total for these crops—and area the size

of California—are directly exposed to neonic insecticides from corn, soybeans and cotton alone.

The total acreage of corn treated with insecticides is now 3 times higher than it was prior to neonic seed coatings. For example, about 30 percent of corn acres/year were estimated to have been treated with applied insecticides during the decade prior to the introduction of neonic seed coating in the mid-2000s. Now, about 80-100 percent is exposed.

USDA incorrectly reports a reduction in corn acreage treated with insecticides. The agency’s estimates, made without counting neonic seed coatings, incorrectly claimed that corn area treated with insecticides had decreased in recent years. This has been attributed mainly to adoption of genetically engineered Bt traits that control some pests previously treated with applied insecticides. USDA incorrectly determined that only 12% of corn acres were treated with applied insecticides in 2010, when in fact, as noted above, about 80 to 100 percent were actually treated.



Source: Douglas & Tooker, 2015.

## RECOGNIZING HARM TO POLLINATORS AND OTHER BENEFICIAL SPECIES

Considering the area exposed to pesticides, rather than just the amount used, is important. This is because area often better reflects how likely it is for beneficial organisms to come into contact with the pesticide. As an illustration, a highly toxic poison would cause no harm locked in a secure facility, while it could be dangerous if widely distributed in our food, water or air in concentrations that are harmful.

There are several reasons that beneficial species are being exposed to and harmed by neonics:

- They are highly toxic to insects in very small amounts
- They are more persistent than most insecticides,<sup>6</sup> and so remain longer and even may accumulate in the environment. This means that residual levels of neonics could be present in a field even if a farmer doesn't plant coated seeds that season.
- They are also very soluble, and hence mobile, in water that runs off of farm fields into streams. This also means that the area over which beneficial organisms are exposed spreads well beyond the farm, and more so than for some other insecticides.
- Neonics are also systemic, which means that some of the insecticide is absorbed into the plant, exposing insects through pollen, nectar, crop tissues and residues, roots, and droplets produced by leaves. Most other insecticides are not systemic.

Another important consideration for determining real-world harm, as opposed to harm in lab experiments, is whether the amount of these insecticides in the environment is high enough. Several studies have shown that neonic concentrations in the environment are often high enough to harm bees (pollinators),<sup>7</sup> beneficial insects that protect crops,<sup>8</sup> and aquatic organisms.<sup>9</sup> Many scientists therefore agree that it is likely that neonics are causing extensive harm to the environment.

Neonics also indirectly harm the crops they are supposed to protect by killing insects that boost crop productivity through consumption of crop pests.<sup>10</sup> Seed coatings have already been shown to result in lower crop productivity in experiments with soybeans because of harm to protective insects.<sup>11</sup> It is also likely to be causing other indirect harm, such as to farmland birds through loss of insect food sources.<sup>12</sup>

## FARMERS DON'T NEED NEONIC-COATED SEED: ALTERNATIVES EXIST

Research shows that neonic seed coatings usually are not needed and are not cost effective. The extensive use of neonic seed coatings by farmers is greatly encouraged by limited availability of uncoated seed from major seed companies that control most of the market for major crops.<sup>13</sup> Uncoated corn seed is reportedly often not even sold by these companies. Seed companies also provide crop insurance incentives with purchase of coated seed. High sales should not be conflated with efficacy.

For major soybean-growing regions of the U.S., neonic seed treatments have been shown to rarely be worth their cost, and they do not even protect the crop from its most pervasive pest, the Asian soybean aphid.<sup>14,15</sup> This is usually also the case for corn, where the minor pests that are the target of seed coatings usually do not cause significant harm. When minor corn insect pests occasionally cause problems, better and economically viable alternatives exist.<sup>16</sup> By ending the unnecessary prophylactic use of neonic seed coatings through the use of ecological farming principles that reduce pest levels, and treating only when necessary, insecticide use can be greatly reduced. Therefore, there is no adequate justification for continued use of neonic seed coatings.

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## GLYPHOSATE AND CANCER RISK: FREQUENTLY ASKED QUESTIONS

**WHY IS THERE CONCERN ABOUT GLYPHOSATE AND CANCER?** The World Health Organization's (WHO's) cancer authorities – the International Agency for Research on Cancer (IARC) – recently determined that glyphosate is “probably carcinogenic to humans” (Group 2A). Glyphosate is the most heavily used pesticide in the world thanks to widespread planting of Monsanto's Roundup Ready crops, which are genetically engineered to survive spraying with it. Use and exposure will increase still more if glyphosate-resistant turfgrasses currently being developed for lawns, playing fields and golf courses are introduced.

**WHERE DO EPA AND WHO'S IARC STAND ON GLYPHOSATE'S CARCINOGENICITY?**

In 1985, EPA classified glyphosate as a possible carcinogen based on experiments showing tumors in glyphosate-treated rodents. Input from Monsanto led to a dubious reinterpretation of these studies by EPA, and reclassification of glyphosate as non-carcinogenic in 1991.<sup>1</sup> IARC has thus far published only a brief summary of its glyphosate assessment, which is based on multiple lines of evidence: kidney, pancreatic and other tumors in glyphosate-treated test animals; epidemiology studies

showing higher rates of cancer in glyphosate-using farmers; and research showing that glyphosate damages DNA and chromosomes, one mechanism by which cancer is induced.<sup>2</sup> IARC's full assessment is due out in 2016.

**WHOSE ASSESSMENT IS MORE RELIABLE: IARC OR EPA?**

IARC is the world's leading authority on cancer. Its glyphosate determination was made by unanimous decision of 17 qualified scientists led by Dr. Aaron Blair, a distinguished epidemiologist recently retired from the U.S. National Cancer Institute.<sup>3</sup> IARC's assessment is up-to-date, analyzing all the relevant available research, while EPA's last comprehensive assessment of glyphosate occurred in 1993. IARC considered a broad range of evidence, including human epidemiology and other peer-reviewed studies, while EPA did not assess epidemiology and relied almost entirely on unpublished industry studies.<sup>4</sup> IARC is an independent agency whose sole mission is human health. While EPA is charged with protecting human health as well, it is also subject to considerable pressure from pesticide companies whose products it regulates. EPA is currently re-assessing glyphosate, and has said it will consider IARC's findings.

## HOW DOES GLYPHOSATE COMPARE TO OTHER AGENTS THAT CAUSE OR MAY CAUSE CANCER?

The evidence implicating glyphosate as a human carcinogen is not as strong as that for smoking or asbestos (IARC Group 1, “carcinogenic”), but stronger than that for DDT, parathion (both insecticides) or infection with type 2 HIV virus (Group 2B, “possibly carcinogenic”).<sup>5</sup>

## BUT DOESN'T IARC CONSIDER SUNLIGHT AND ALCOHOL TO BE CARCINOGENIC?

Although IARC primarily assesses chemicals, it also evaluates the carcinogenic potential of other “agents,”<sup>6</sup> which has unfortunately been used by some in a misguided attempt to cast doubt on its glyphosate determination. In fact, IARC’s classifications of UV radiation and alcohol as “carcinogenic” are well-supported by science. Dermatologists regard excessive exposure to UV radiation (a component of sunlight) as the most important preventable cause of skin cancer.<sup>7</sup> According to the American Cancer Society, “alcohol is a known cause of cancers” of eight different organs.<sup>8</sup> The point is not that sunshine or drinking a few beers will kill you, but that you can reduce your risk of cancer by avoiding frequent sunburns and cutting back on heavy drinking. One important distinction here is that you can choose to wear sunscreen or drink less, but for most of us it is difficult to reduce our exposure to chemicals like glyphosate.

## IS IARC'S ASSESSMENT RELEVANT TO ACTUAL HUMAN RISK OF CANCER?

A formal risk assessment evaluates both the inherent toxicity of a substance (called hazard) and our exposure to it. While a toxic substance is always hazardous, the risk it poses depends upon the circumstances of exposure.<sup>9</sup> While IARC does not directly evaluate exposure (it is a hazard assessment), it does consider the results of qualified epidemiological studies, which evaluate risk from actual exposure under real-world conditions. Three epidemiology studies of farmers show a link between glyphosate and non-Hodgkin’s lymphoma (NHL), an immune system cancer.<sup>10</sup> Another finds a “suggestive association” between glyphosate and a related immune system cancer, multiple myeloma (but not NHL), and recommends follow-up given the herbicide’s widespread use.<sup>11</sup> Because there is typically a time lag of decades between exposure to a carcinogen and elevated cancer rates, and glyphosate use has skyrocketed over the past 10-15 years, the full effects of glyphosate’s rising use remain to be discovered.

## IS THE GENERAL PUBLIC AT RISK FROM GLYPHOSATE?

Because of glyphosate’s extremely intensive use (300 million lbs./year, more than four times that of the second-leading pesticide, atrazine), it is regularly found in food (e.g. bread), the air, rainfall and surface waters.<sup>12</sup> Glyphosate is found at similar frequencies and levels in the urine of farm and non-farm family members, including children, suggesting similar levels of exposure.<sup>13</sup> Glyphosate has also been detected in human blood.<sup>14</sup> EPA’s maximal “safe” level of glyphosate exposure is six times higher than Europe’s,<sup>15</sup> and 17.5-fold higher than the level EPA itself set in the early 1980s.<sup>16</sup> EPA’s latest high-end estimate of infant exposure to glyphosate exceeds the level it regarded as safe in the 1980s;<sup>17</sup> and is five times higher than the maximum level suggested by independent scientists.<sup>18</sup>

## ARE THERE OTHER PROBLEMS WITH GLYPHOSATE ASSESSMENTS?

EPA’s assessments of glyphosate share the weaknesses of all the Agency’s pesticide regulation. Most testing has involved only the active ingredient glyphosate, even though formulations (e.g. Roundup) used in the real world are often more toxic due to the presence of additional, often undisclosed, ingredients.<sup>19</sup> While we are all exposed to multiple pesticides in our food, water and air, EPA does not consider the additive or synergistic effects of exposure to glyphosate together with other pesticides. Finally, EPA’s practice of basing its decisions almost entirely on studies conducted or commissioned by the pesticide registrant introduces serious conflicts of interest,<sup>20</sup> and excludes pertinent evidence from peer-reviewed studies by independent scientists.<sup>21</sup>

## DO OTHER HERBICIDES POSE CANCER RISKS?

Massive use of glyphosate with Roundup Ready crops has generated an epidemic of glyphosate-resistant weeds. In response, pesticide companies are poised to introduce a host of “next-generation” GE crops resistant to herbicides such as 2,4-D and dicamba as well as glyphosate. These new GE crops will trigger an unprecedented and increasingly toxic spiral of weed resistance and herbicide use in American agriculture, for instance, a several-fold rise in 2,4-D and dicamba applications, with no countervailing reduction in glyphosate.<sup>22</sup> Exposure to 2,4-D and dicamba is linked to non-Hodgkin’s lymphoma (NHL), the same cancer with which glyphosate has been associated.<sup>23</sup> Herbicide exposure in general is also linked to increased rates of Parkinson’s disease.<sup>24</sup>

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- <sup>10</sup> Guyton et al., 2015.
- <sup>11</sup> De Roos AJ et al. (2005). Cancer incidence among glyphosate-exposed pesticide applicators in the Agricultural Health Study. *Environmental Health Perspectives* 113(1): 49-54.
- <sup>12</sup> For 2012 agricultural use of glyphosate (>280 million lbs.) and atrazine (70 million lbs.) in the U.S., see charts below maps at pertinent links on [http://water.usgs.gov/nawqa/pnsp/usage/maps/compound\\_listing.php?year=2012&hilo=L](http://water.usgs.gov/nawqa/pnsp/usage/maps/compound_listing.php?year=2012&hilo=L). For non-farm uses of glyphosate (18-23 million lbs./year), see: EPA (2011). Pesticide Industry Sales and Usage: 2006 and 2007 Market Estimates, EPA, Feb. 2011, Tables 3.7 & 3.8. For glyphosate in food, see FoEE (2013). Human contamination by glyphosate. Friends of the Earth Europe, June 2013. For lack of testing in U.S., see: Gillam C (2015). Regulators may recommend testing food for glyphosate residues, *Reuters*, 4/20/15. For glyphosate in air, rain and surface water, see Chang F-C et al. (2011). Occurrence and fate of the herbicide glyphosate and its degradate aminomethylphosphonic acid in the atmosphere. *Environ Toxicol Chem* 30(3): 548-555; and Coupe RH et al. (2011). Fate and transport of glyphosate and aminomethylphosphonic acid in surface waters of agricultural basins. *Pest Manag Sci* 68(1): 16-30.
- <sup>13</sup> Curwin BD et al. (2007a). Urinary pesticide concentrations among children, mothers and fathers living in farm and non-farm households in Iowa. *Ann, Occup, Hyg*, 51(1): 53-65; and Curwin BD et al. (2007b). Pesticide dose estimates for children of Iowa farmers and non-farmers. *Environmental Research* 105: 307-315. For Europe, see FoEE (2013). Human contamination by glyphosate. Friends of the Earth Europe, June 2013.
- <sup>14</sup> Aris A, Leblanc S. Maternal and fetal exposure to pesticides associated to genetically modified foods in Eastern Townships of Quebec, Canada. *Reprod Toxicol*. 2011; 31(4): 528-533.
- <sup>15</sup> "Acceptable daily intake" (ADI) or the equivalent "chronic population adjusted dose" (cPAD), expressed as milligrams glyphosate per kilogram body weight per day: 0.3 in Europe vs. 1.75 mg/kg/day in the U.S. For Europe, see [http://ec.europa.eu/food/plant/protection/evaluation/existactive/list1\\_glyphosate\\_en.pdf](http://ec.europa.eu/food/plant/protection/evaluation/existactive/list1_glyphosate_en.pdf), Appendix II; for US, see EPA (2006). Glyphosate human health risk assessment for proposed use on Indian mulberry and amend use on pea. EPA, 9/29/06, p. 21.
- <sup>16</sup> For EPA's setting of the glyphosate ADI at 0.1 mg/kg/day in the early 1980s (vs. 1.75 today), see EPA (1983). Glyphosate (Roundup) on wheat. March 3, 1983.
- <sup>17</sup> See EPA (2006) in footnote 14, Table 6.1.2, maximum infant exposure = 0.127562 mg/kg/day, 28% higher than the 1980's ADI of 0.1 mg/kg/day (see EPA 1983 in last footnote).
- <sup>18</sup> Antoniou M et al. (2012). Teratogenic effects of glyphosate-based herbicides: divergence of regulatory decisions from scientific evidence. *J Environ Anal Toxicol* S4:006. doi:10.4172/2161-0525.S4-006, suggesting an ADI of 0.025 mg/kg/day based on teratogenic rather than carcinogenic effects.
- <sup>19</sup> See references at: <http://earthopensource.org/gmomythsandtruths/sample-page/4-health-hazards-roundup-glyphosate/4-2-myth-strict-regulations-ensure-exposed-safe-levels-roundup/>
- <sup>20</sup> Boone MD et al. (2014). Pesticide regulation amid the influence of industry. *BioScience* 64: 917-922.
- <sup>21</sup> Myers JP et al. (2009). Why public health agencies cannot depend on good laboratory practices as a criterion for selecting data: the case of bisphenol A. *Environmental Health Perspectives* 117(3): 309-315.
- <sup>22</sup> Mortensen DA et al. (2012). Navigating a critical juncture for sustainable weed management. *Bioscience* 62(1): 75-85.
- <sup>23</sup> Schinasi L, Leon ME (2014). Non-Hodgkin lymphoma and occupational exposure to agricultural pesticide chemical groups and active ingredients: a systematic review and meta-analysis. *Int. J Environ. Res. Public Health* 11: 4449-4527. McDuffie HH et al (2001). Non-Hodgkin's lymphoma and specific pesticide exposures in men: cross-Canada study of pesticides and health. *Cancer Epidemiology, Biomarkers & Prevention* 10: 1155-1163.
- <sup>24</sup> For instance, see: Brighina L et al. (2008). Alpha-synuclein, pesticides and Parkinson disease. *Neurology* 70: 1461-1469.





Email Comments through 2 p.m. Feb. 26

Comments emailed to Boulder County RE: Cropland Policy/GMOs received by 2 p.m. deadline, Friday, Feb. 26, 2016.

Forwarded to BOCC and POSAC.

From: David Wheeler <shakudavid@gmail.com>  
Sent: Friday, January 15, 2016 8:29 AM  
To: Bell, David; Boulder County Board of Commissioners  
Cc: Rich Andrews; Molly Greacen; Rebecca Dickson; David Laskarzewski; Mike Wade; Cosima Kreuger-Cunningham  
Subject: Schedule for BCPoS 2016 Cropland Policy Review for Bee Safe Boulder

Follow Up Flag: Follow up  
Flag Status: Completed

David and County Commissioners Domenico, Gardner and Jones, I hope the new year is treating you well. I am contacting you to request regular updates regarding the 2016 BCPoS Cropland Policy Review schedule be sent to my email address <shakudavid@gmail.com>. If there is an update list, please add my name to it.

Additionally, can you tell me if a Cropland Policy Citizen Advisory Group similar to that for the 2011 review is going to be created? If so, I or another representative of Bee Safe Boulder would like to be considered for appointment to this group.

Thank you.  
"Bee Safe David" Wheeler  
=== David Wheeler, Kansuke II ===  
Musician (Shakuhachi) + Musicologist  
3660 Buckeye Ct., Boulder, CO 80304 USA  
shakudavid@gmail.com  
Cell: 720-545-5595  
www.kansuke2.com

From: Rich Andrews <Rich@zeoponix.com>  
Sent: Saturday, January 23, 2016 11:58 AM  
To: Boulder County Board of Commissioners  
Subject: Public Hearing on GMO and Cropland Policy

Follow Up Flag: Follow up  
Flag Status: Completed

Commissioners Elise Jones, Deborah Gardner, Cindy Domenico,

I just received a notice that Boulder County is holding a public hearing next month, Feb 29, to receive input on policy regarding growing GE crops on county ag lands.

While open public process is a good thing, I find this approach to be the opposite of a reasoned, deliberative, investigative and scientific approach to investigating this complex topic. Such grounded preliminary investigation, also done in full public view would have been the preferable initial step to review of this GE crop issue. I would have expected a more thoughtful approach from the current slate of county commissioners.

Email Comments through 2 p.m. Feb. 26

This announced plan for what is anticipated as a heated, divisive, opinionated and marathon hearing is not in the interest of good public policy process. It is instead expected to elevate the corporate power structure intensity, and other advocacy posturing, and will likely cause all parties to raise the volume, with companion and often distorting media coverage, but not improve upon veracity or integrity of a careful consideration of this issue that is so important to matters of public health, environmental protection and sustainable agriculture.

Since you have begun the process however, it is strongly advised that Boulder County must seek out true and honest inputs from uncompromised sources of scientific fact, professionals that do not have conflicts of interest due to any kind of affiliation with the corporate interests that would gain from genetic engineering technology. The history of genetic engineering approvals has not to date been characterized by that legitimate and uncompromised science, neither at the upper governmental level of the overseeing federal agencies such as FDA, USDA and EPA, nor unfortunately even from the National Research Council and National Academy of Science.

And very important to this entire issue is the embedded matter that genetic engineered crops are designed to either internally create pest toxins, or are designed to be tolerant to applied pesticides. So the issue of the independent assessment of the public health effects and ecological safety of those toxins must be an intimate part of the review process.

And finally, while the announced hearing seems to intend to isolate the GE crop policy matter for its sole consideration, there are many other important issues associated with the county Cropland Policy that should also be reviewed in light of current scientific knowledge that has rapidly evolved since the 2011 establishment of the cropland policy. It is requested that the plans for such additional policy reviews be announced, and opened to public process review and input.

Respectfully,

Richard D. Andrews

Boulder County resident

Box 19105, Boulder, CO 80308

From: Rich Andrews <Rich@zeoponix.com>  
Sent: Monday, January 25, 2016 8:05 PM  
To: Galvan, Alexis  
Subject: RE: Public Hearing on GMO and Cropland Policy

Follow Up Flag: Follow up  
Flag Status: Completed

TO: Boulder County Commissioners

and Alexis Galvan, as administrative staff representative of Boulder County Commissioners

Email Comments through 2 p.m. Feb. 26

It is fine to include my previous comments for the record on the matter of the announced Cropland Policy/GMO review.

I will also be submitting both written and oral testimony in significant technical detail. And I will also be requesting personal advance meeting time with the commissioners as offered in the announcement. What was not clear in the announcement about those personal meetings is whether all three commissioners will be available simultaneously or whether meetings must be separately scheduled with each commissioner. Allotted time for such individual meetings is requested in order to properly prepare for a substantive and fruitful meeting.

As additional procedural comments, the Longmont hearing is announced but without a proposed actual policy upon which to comment. It is totally open ended. To then move directly in the subsequent decision Commissioners' meeting in March...without any proposed language of the policy or amendments to existing policy ever being revealed...and without any public input or hearing opportunity once an actual proposal can be reviewed seems improper. How can anyone comment on policy without seeing what the policy is proposed to be?

Furthermore, there was no indication that any BCPOS staff and/or POSAC investigations, studies, research, position papers or recommendations have been made...or if so, that all such information is available for public review. Please inform us completely. And it is entirely appropriate that an impartial assessment of whether BCPOS and its lessees have complied with the policies of the existing Cropland Policy since being established in 2011. That would be a crucial matter. A full status report is needed upon which to base judgments and to select proper future paths and policy.

You may add these additional comments as formal testimony as well as my prior comments.

Richard Andrews

Box 19105, Boulder, CO 80308

6803 Jay Road, Boulder, CO 80301

From: Galvan, Alexis [mailto:agalvan@bouldercounty.org]  
Sent: Monday, January 25, 2016 3:53 PM  
To: Rich Andrews  
Subject: RE: Public Hearing on GMO and Cropland Policy

Mr. Andrews,

Email Comments through 2 p.m. Feb. 26

Thank you for taking time to comment on the upcoming Cropland Policy Meeting. The Commissioners have reviewed your comments.

I am contacting you to ask if you would like me to submit the email you sent as comments for the record?

Thank you,

Alexis Galvan

Boulder County Commissioner's Office

agalvan@bouldercounty.org

303.441.3500

From: Rich Andrews [mailto:Rich@zeoponix.com]  
Sent: Saturday, January 23, 2016 11:58 AM  
To: Boulder County Board of Commissioners  
Subject: Public Hearing on GMO and Cropland Policy

Commissioners Elise Jones, Deborah Gardner, Cindy Domenico,

I just received a notice that Boulder County is holding a public hearing next month, Feb 29, to receive input on policy regarding growing GE crops on county ag lands.

While open public process is a good thing, I find this approach to be the opposite of a reasoned, deliberative, investigative and scientific approach to investigating this complex topic. Such grounded preliminary investigation, also done in full public view would have been the preferable initial step to review of this GE crop issue. I would have expected a more thoughtful approach from the current slate of county commissioners.

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Email Comments through 2 p.m. Feb. 26

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And very important to this entire issue is the embedded matter that genetic engineered crops are designed to either internally create pest toxins, or are designed to be tolerant to applied pesticides. So the issue of the independent assessment of the public health effects and ecological safety of those toxins must be an intimate part of the review process.

And finally, while the announced hearing seems to intend to isolate the GE crop policy matter for its sole consideration, there are many other important issues associated with the county Cropland Policy that should also be reviewed in light of current scientific knowledge that has rapidly evolved since the 2011 establishment of the cropland policy. It is requested that the plans for such additional policy reviews be announced, and opened to public process review and input.

Respectfully,

Richard D. Andrews

Boulder County resident

Box 19105, Boulder, CO 80308

From: Zia Parker <ziaparker@yahoo.com>  
Sent: Monday, February 01, 2016 9:51 AM  
To: Boulder County Board of Commissioners; Boulder County Board of Commissioners  
Cc: Boulder County Board of Commissioners  
Subject: Dear BCC: "Will Denmark Become the World's First 100% Organic Country?"

Follow Up Flag: Follow up  
Flag Status: Completed

Dear Elise Jones, Deb Gardner, Cindy Domenico,  
THIS is what an ecologically progressive culture looks like:

"Will Denmark Become the World's First 100% Organic Country?!" This is the link:  
<http://ecowatch.com/2016/01/30/denmark-organic-food/>

Denmark is taking an aggressive set of actions to support their country to be the first 100% organic food producers. Please read, their strategies are inspiring!! and be moved to DO THE RIGHT THING to return Boulder County Open Space to organic growing only.

Email Comments through 2 p.m. Feb. 26

Thank you,  
Zia Parker  
Code Refugee from Boulder County  
Now living happily in Ecuador.

--

Zia Parker "Seeds have a greater sense of humor and bravery than humans. They obey long, long drawn-out plans, plans beyond the mind of men, that come down written inside the seeds, by their having to adapt to every kind of ice age, drought, wind, climatic cycles, the impacts of ice-tailed comets, deep serpentine primordial strata of earlier underground seas, cloudbursts, hurricanes, and more; mutating together and obeying the roll of the dice of the knee bones of the Grand Female of chaos whose womb's offspring is Time." "The people knew that not only were they dependent on the generosity of animals and plants that regularly died to sustain them but that their own life cycles were relegated thereby to the same rules as followed by plants." Martin Prechtel "The Unlikely Peace at Cuchumaquic"

<[https://www.avast.com/sig-email?utm\\_medium=email&utm\\_source=link&utm\\_campaign=sig-email&utm\\_content=emailclient](https://www.avast.com/sig-email?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=emailclient)> This email has been sent from a virus-free computer protected by Avast.

[www.avast.com](http://www.avast.com)

<[https://www.avast.com/sig-email?utm\\_medium=email&utm\\_source=link&utm\\_campaign=sig-email&utm\\_content=emailclient](https://www.avast.com/sig-email?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=emailclient)>

From: Rebecca Dickson <[rebecca.dickson@comcast.net](mailto:rebecca.dickson@comcast.net)>  
Sent: Friday, February 05, 2016 4:21 PM  
To: Boulder County Board of Commissioners  
Cc: Rebecca Dickson  
Subject: Glyphosate and cancer

Follow Up Flag: Follow up  
Flag Status: Completed

Dear Commissioners Domeni co, Gardner, and Jones:

When speaking today during our conversation on pesticides and county land use, I forgot to make an important point. The researchers who have investigated the links between glyphosate and cancer found that the cancer that glyphosate may be linked to is lymphoma.

As I said this afternoon, two people close to me have lymphoma, and one of them used a glyphosate-based weed killer repeatedly over three years before he developed lymphoma. While this is anecdotal evidence, the many research studies that have found a link between glyphosate and lymphoma are not anecdotal; they suggest a clear and troubling connection between glyphosate-based weed killers and cancer. Thus in 2015 the World Health Organization declared that glyphosate is a probable carcinogen. These herbicides are used regularly on county agricultural lands, especially on crops that are genetically modified to withstand glyphosate applications. This is of real concern to me, both personally and publically. Any chemical that is a probable carcinogen and is used regularly on Boulder public lands is a likely health threat, perhaps a significant one.

Thank you for your work and thank you for meeting with us today.

Email Comments through 2 p.m. Feb. 26

Rebecca Dickson  
1055 Wait e Drive  
Boul der, CO 80303  
Chai r, Si erra Cl ub-Indi an Peaks Group  
303/499-7261

From: C O <cathrynoco@gmail .com>  
Sent: Sunday, February 07, 2016 1:04 PM  
To: Boul der County Board of Commi ssi oners  
Subj ect: Value Soi l Management

Follow Up Flag: Follow up  
Flag Status: Completed

Dear Commissioners - In light of the current controversy over cropland policy I direct your attention to this article.

<http://www.nytimes.com/2016/02/07/business/cover-crops-a-farming-revolution-with-deep-roots-in-the-past.html?hpw>  
<<http://www.nytimes.com/2016/02/07/business/cover-crops-a-farming-revolution-with-deep-roots-in-the-past.html?hpw&rref=business&acton=click&pgtype=Homepage&module=wel l-regi on&regi on=bottom-wel l&WT.nav=bottom-wel l&r=0>>  
&rref=business&acton=click&pgtype=Homepage&module=wel l-regi on&regi on=bottom-wel l&WT.nav=bottom-wel l&r=0

It is this type of innovation and stewardship that should be focused on in the management of publicly owned agricultural property.

Of utmost importance is maintaining the health and quality of the soils; profits for private parties are secondary.

Regards-

Cathryn O' Connor  
From: Mary VonBreck <vonbreck@gmail .com>  
Sent: Monday, February 15, 2016 12:35 PM  
To: Boul der County Board of Commi ssi oners  
Cc: Steven Druker  
Subject: Legal Standing to Ban GMOs  
Attachments: The Unsettling Facts About FDA Policy on GMOs.pdf; Why FDA Policy on GE Foods is Unscientific, Irresponsible, and Illegal.pdf

Follow Up Flag: Follow up  
Flag Status: Completed

Dear Commi ssi oners,

Email Comments through 2 p.m. Feb. 26

I am pleased to introduce and to provide you with access to Attorney Steven Druker.

Steven M. Druker is a public interest attorney who initiated a lawsuit against the U. S. Food and Drug Administration that forced it to divulge its files on genetically engineered

? foods. This revealed that politically appointed administrators had covered up the ? extensive warnings of their own scientists about the unusual risks of these foods, lied

? about the facts, and then ushered these products onto the market in violation of explicit

? mandates of federal food safety law.

I have attached two documents for your reading.

The first is a one-pager titled The Unsettling Facts About FDA Policy on GMOs.

The second is a 5 page document that enumerates reasons "Why the FDA's Policy on Genetically Engineered Foods is Unscientific, Irresponsible and Illegal."

Mr. Druker is well aware of the pressures the biotech industry is bringing to bear on Boulder County and would like the opportunity to speak with you by telephone as well as to provide testimony at the Feb 29 Hearing should you request it.

Please read the attached documents and be in touch.

? His email is included here for ease in scheduling a phone meeting or requesting further support for the legal position to ban GMOs on Open Space.

I have also reached out to County Attorney Ben Pearlman to offer meaningful conversation on the legal reasons to ban GMos here? on Open Space. Mr. Druker is ready to and pleased to be in touch.

Respectfully,  
Mary VonBreck  
720-253-3003

<<https://docs.google.com/uc?export=download&id=OB6B0DS8dj j FGTXpQej RI T1B3dDg&revi d=OB6B0DS8dj j FGZctFNWJKbzFKc3pTMVJQTXpnS1pCNj RPSVNj PQ>>

In partnership with the retail supply chain, the "Transition to Organic Project" (TOP) is expanding the size & profitability of the marketplace by organizing a scalable non-GMO & organic food supply system in the U.S. that parallels conventional agriculture.

This communication may contain information that is legally privileged, confidential or exempt from disclosure. If you are not the intended recipient, please note that any dissemination, distribution or copying of this communication is strictly prohibited. Anyone who receives this message in error should notify the sender immediately by telephone or by return e-mail and delete it from their computer.

From: Krezek, Michelle  
Sent: Thursday, February 18, 2016 12:50 PM  
Page 8



Email Comments through 2 p.m. Feb. 26

To: Halpin, Barbara  
Subject: FW: Support for Modern Agriculture in Boulder County

Follow Up Flag: Follow up  
Flag Status: Completed

FYI... for the cropland comments

-----Original Message-----

From: Rebecca Larson [mailto:wordpress@faircolorado.org]  
Sent: Thursday, February 18, 2016 12:27 PM  
To: Gardner, Deb; Jones, Elise; Domenico, Cindy  
Cc: Krezek, Michelle  
Subject: Support for Modern Agriculture in Boulder County

From: Rebecca Larson <rlarson@westernsugar.com>  
Subject: Support for Modern Agriculture in Boulder County

Message Body:  
Dear Commissioners,

I am a resident of Boulder County, and I support the responsible and sustainable use of our Open Space Land. I also support local food production and our Boulder County farmers.

I believe that we should allow a diversity of farming practices in Boulder County. It is vital that we continue to permit our family farmers (many of whom have been farming on the same land for generations) to utilize modern agricultural practices, including the planting of genetically engineered seed and the responsible use of pesticides. These practices help farmers retain topsoil and reduce erosion, conserve water in multiple ways, reduce emissions, protect pollinators, and protect natural resources by using farmland more efficiently.

We need to take a comprehensive approach to food production in our county and ensure that all science-based sustainable farming methods remain on the table. As a community, we can support coexistence and collaboration among all of our wonderful farmers. I ask that you continue to allow modern agricultural practices – including the planting of GMO seeds – when evaluating Cropland Policy for Boulder County.

Sincerely,  
Rebecca Larson

From: Krezek, Michelle  
Sent: Thursday, February 18, 2016 1:16 PM  
To: Halpin, Barbara  
Cc: Gardner, Deb; Jones, Elise; Domenico, Cindy  
Subject: RE: Support for Modern Agriculture in Boulder County

Follow Up Flag: Follow up  
Flag Status: Completed

-----Original Message-----

From: Mike Otto [mailto:wordpress@faircolorado.org]  
Sent: Thursday, February 18, 2016 1:10 PM  
To: Gardner, Deb; Jones, Elise; Domenico, Cindy  
Cc: Krezek, Michelle  
Subject: Support for Modern Agriculture in Boulder County

From: Mike Otto <mrotto@westernsugar.com>  
Subject: Support for Modern Agriculture in Boulder County

Message Body:

Email Comments through 2 p.m. Feb. 26

Dear Commissioners,

I am a resident of Boulder County, and I support the responsible and sustainable use of our Open Space Land. I also support local food production and our Boulder County farmers.

I believe that we should allow a diversity of farming practices in Boulder County. It is vital that we continue to permit our family farmers (many of whom have been farming on the same land for generations) to utilize modern agricultural practices, including the planting of genetically engineered seed and the responsible use of pesticides. These practices help farmers retain topsoil and reduce erosion, conserve water in multiple ways, reduce emissions, protect pollinators, and protect natural resources by using farmland more efficiently.

We need to take a comprehensive approach to food production in our county and ensure that all science-based sustainable farming methods remain on the table. As a community, we can support coexistence and collaboration among all of our wonderful farmers. I ask that you continue to allow modern agricultural practices – including the planting of GMO seeds – when evaluating Cropland Policy for Boulder County.

Sincerely,  
Mike Otto

From: Krezek, Michelle  
Sent: Friday, February 19, 2016 7:51 AM  
To: Halpin, Barbara  
Subject: Fwd: Support for Modern Agriculture in Boulder County

Follow Up Flag: Follow up  
Flag Status: Completed

Begin forwarded message:

From: Chip Marks <wordpress@faircolorado.org>  
Date: February 19, 2016 at 4:41:27 AM HST  
To: <dgardner@bouldercounty.org>, <ejones@bouldercounty.org>, <cdomenico@bouldercounty.org>  
Cc: <mkrezek@bouldercounty.org>  
Subject: Support for Modern Agriculture in Boulder County  
Reply-To: <jmarks14@msn.com>

From: Chip Marks <jmarks14@msn.com>  
Subject: Support for Modern Agriculture in Boulder County

Message Body:  
Dear Commissioners,

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Email Comments through 2 p.m. Feb. 26

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Sincerely,  
Chip Marks

From: Krezek, Michelle  
Sent: Friday, February 19, 2016 7:52 AM  
To: Halpin, Barbara  
Subject: Fwd: Support for Modern Agriculture in Boulder County

Follow Up Flag: Follow up  
Flag Status: Completed

Begin forwarded message:

From: Tom Schlagel <wordpress@faircolorado.org>  
Date: February 18, 2016 at 4:41:46 PM HST  
To: <dgardner@bouldercounty.org>, <ejones@bouldercounty.org>, <cdomenico@bouldercounty.org>  
Cc: <mkrezek@bouldercounty.org>  
Subject: Support for Modern Agriculture in Boulder County  
Reply-To: <tjsfarms@aol.com>

From: Tom Schlagel <tjsfarms@aol.com>  
Subject: Support for Modern Agriculture in Boulder County

Message Body:  
Dear Commissioners,

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Sincerely,  
Tom Schlagel

From: Krezek, Michelle  
Sent: Friday, February 19, 2016 7:56 AM  
To: Halpin, Barbara  
Subject: Fwd: Support for Modern Agriculture in Boulder County

Follow Up Flag: Follow up  
Flag Status: Completed

Email Comments through 2 p.m. Feb. 26

Begin forwarded message:

From: Sue Inness <wordpress@faircolorado.org>  
Date: February 18, 2016 at 11:46:06 AM HST  
To: <dgardner@bouldercounty.org>, <ejones@bouldercounty.org>, <cdomenico@bouldercounty.org>  
Cc: <mkrezek@bouldercounty.org>  
Subject: Support for Modern Agriculture in Boulder County  
Reply-To: <skiness@westernsugar.com>

From: Sue Inness <skiness@westernsugar.com>  
Subject: Support for Modern Agriculture in Boulder County

Message Body:  
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Sincerely,  
Sue Inness

From: Krezek, Michelle  
Sent: Friday, February 19, 2016 9:08 AM  
To: Halpin, Barbara  
Subject: FW: Support for Modern Agriculture in Boulder County

Follow Up Flag: Follow up  
Flag Status: Completed

-----Original Message-----

From: Paul Ruppel [mailto:wordpress@faircolorado.org]  
Sent: Friday, February 19, 2016 9:00 AM  
To: Gardner, Deb; Jones, Elise; Domenico, Cindy  
Cc: Krezek, Michelle  
Subject: Support for Modern Agriculture in Boulder County

From: Paul Ruppel <paulruppel@aol.com>  
Subject: Support for Modern Agriculture in Boulder County

Message Body:  
Dear Commis sioners,  
I support the responsible and sustainable use of our Open Space Land. I also support local food production and our Boulder County farmers.

I believe that we should allow a diversity of farming practices in Boulder County.

Email Comments through 2 p.m. Feb. 26

It is vital that we continue to permit our family farmers (many of whom have been farming on the same land for generations) to utilize modern agricultural practices, including the planting of genetically engineered seed and the responsible use of pesticides. These practices help farmers retain topsoil and reduce erosion, conserve water in multiple ways, reduce emissions, protect pollinators, and protect natural resources by using farmland more efficiently.

We need to take a comprehensive approach to food production in our county and ensure that all science-based sustainable farming methods remain on the table. As a community, we can support coexistence and collaboration among all of our wonderful farmers. I ask that you continue to allow modern agricultural practices – including the planting of GMO seeds and the use of pesticides – when evaluating Cropland Policy for Boulder County.

Sincerely,  
Paul Ruppel

From: Krezek, Michelle  
Sent: Friday, February 19, 2016 9:09 AM  
To: Halpin, Barbara  
Subject: FW: Support for Modern Agriculture in Boulder County

Follow Up Flag: Follow up  
Flag Status: Completed

-----Original Message-----

From: Kurt schaneman [mailto:wordpress@faircolorado.org]  
Sent: Friday, February 19, 2016 8:57 AM  
To: Gardner, Deb; Jones, Elise; Domenco, Cindy  
Cc: Krezek, Michelle  
Subject: Support for Modern Agriculture in Boulder County

From: Kurt schaneman <kurt\_schaneman@yahoo.com>  
Subject: Support for Modern Agriculture in Boulder County

Message Body:

Dear Commissioners,  
I support the responsible and sustainable use of our Open Space Land. I also support local food production and our Boulder County farmers.

I believe that we should allow a diversity of farming practices in Boulder County. It is vital that we continue to permit our family farmers (many of whom have been farming on the same land for generations) to utilize modern agricultural practices, including the planting of genetically engineered seed and the responsible use of pesticides. These practices help farmers retain topsoil and reduce erosion, conserve water in multiple ways, reduce emissions, protect pollinators, and protect natural resources by using farmland more efficiently.

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Sincerely,  
Kurt schaneman

From: Danny Dorval <wordpress@faircolorado.org>  
Sent: Friday, February 19, 2016 10:35 AM  
To: Boulder County Cropland Policy

Email Comments through 2 p.m. Feb. 26

Subject: Support for Modern Agriculture in Boulder County

Follow Up Flag: Follow up  
Flag Status: Completed

From: Danny Dorvall <tdorvall@q.com>  
Subject: Support for Modern Agriculture in Boulder County

Message Body:

Dear Commissioners,  
I support the responsible and sustainable use of our Open Space Land. I also support local food production and our Boulder County farmers.

I believe that we should allow a diversity of farming practices in Boulder County. It is vital that we continue to permit our family farmers (many of whom have been farming on the same land for generations) to utilize modern agricultural practices, including the planting of genetically engineered seed and the responsible use of pesticides. These practices help farmers retain topsoil and reduce erosion, conserve water in multiple ways, reduce emissions, protect pollinators, and protect natural resources by using farmland more efficiently.

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Sincerely,  
Danny Dorvall

From: N A Billings <wordpress@faircolorado.org>  
Sent: Friday, February 19, 2016 10:48 AM  
To: Boulder County Cropland Policy  
Subject: Support for Modern Agriculture in Boulder County

Follow Up Flag: Follow up  
Flag Status: Completed

From: N A Billings <nab.sab@juno.com>  
Subject: Support for Modern Agriculture in Boulder County

Message Body:

Dear Commissioners,  
I support the responsible and sustainable use of our Open Space Land. I also support local food production and our Boulder County farmers.

I believe that we should allow a diversity of farming practices in Boulder County. It is vital that we continue to permit our family farmers (many of whom have been farming on the same land for generations) to utilize modern agricultural practices, including the planting of genetically engineered seed and the responsible use of pesticides. These practices help farmers retain topsoil and reduce erosion, conserve water in multiple ways, reduce emissions, protect pollinators, and protect natural resources by using farmland more efficiently.

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Sincerely,

Email Comments through 2 p.m. Feb. 26

N A Billings

From: RICK KRUEGER <wordpress@faircolorado.org>  
Sent: Friday, February 19, 2016 11:39 AM  
To: Boulder County Cropland Policy  
Subject: Support for Modern Agriculture in Boulder County

Follow Up Flag: Follow up  
Flag Status: Completed

From: RICK KRUEGER <krueger@pctel.com.coop>  
Subject: Support for Modern Agriculture in Boulder County

Message Body:

Dear Commissioners,  
I support the responsible and sustainable use of our Open Space Land. I also support local food production and our Boulder County farmers.

I believe that we should allow a diversity of farming practices in Boulder County. It is vital that we continue to permit our family farmers (many of whom have been farming on the same land for generations) to utilize modern agricultural practices, including the planting of genetically engineered seed and the responsible use of pesticides. These practices help farmers retain topsoil and reduce erosion, conserve water in multiple ways, reduce emissions, protect pollinators, and protect natural resources by using farmland more efficiently.

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Sincerely,  
RICK KRUEGER

From: Michael <wordpress@faircolorado.org>  
Sent: Friday, February 19, 2016 12:26 PM  
To: Boulder County Cropland Policy  
Subject: Support for Modern Agriculture in Boulder County

Follow Up Flag: Follow up  
Flag Status: Completed

From: Michael <lever410@msn.com>  
Subject: Support for Modern Agriculture in Boulder County

Message Body:

Dear Commissioners,  
I support the responsible and sustainable use of our Open Space Land. I also support local food production and our Boulder County farmers.

I believe that we should allow a diversity of farming practices in Boulder County. It is vital that we continue to permit our family farmers (many of whom have been farming on the same land for generations) to utilize modern agricultural practices, including the planting of genetically engineered seed and the responsible use of pesticides. These practices help farmers retain topsoil and reduce erosion, conserve water in multiple ways, reduce emissions, protect pollinators, and protect natural resources by using farmland more efficiently.

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Email Comments through 2 p.m. Feb. 26

farmers. I ask that you continue to allow modern agricultural practices – including the planting of GMO seeds and the use of pesticides – when evaluating Cropland Policy for Boulder County.

Sincerely,  
Michael

From: walter mort <wordpress@faircolorado.org>  
Sent: Friday, February 19, 2016 3:15 PM  
To: Boulder County Cropland Policy  
Subject: Support for Modern Agriculture in Boulder County

Follow Up Flag: Follow up  
Flag Status: Completed

From: walter mort <www.walt@cropworx.net>  
Subject: Support for Modern Agriculture in Boulder County

Message Body:

Dear Commissioners,

I support the responsible and sustainable use of our Open Space Land. I also support local food production and our Boulder County farmers.

I believe that we should allow a diversity of farming practices in Boulder County. It is vital that we continue to permit our family farmers (many of whom have been farming on the same land for generations) to utilize modern agricultural practices, including the planting of genetically engineered seed and the responsible use of pesticides. These practices help farmers retain topsoil and reduce erosion, conserve water in multiple ways, reduce emissions, protect pollinators, and protect natural resources by using farmland more efficiently.

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Sincerely,  
walter mort

From: Tom Fedler <wordpress@faircolorado.org>  
Sent: Friday, February 19, 2016 3:26 PM  
To: Boulder County Cropland Policy  
Subject: Support for Modern Agriculture in Boulder County

Follow Up Flag: Follow up  
Flag Status: Completed

From: Tom Fedler <tom@cropworx.net>  
Subject: Support for Modern Agriculture in Boulder County

Message Body:

Dear Commissioners,

I support the responsible and sustainable use of our Open Space Land. I also support local food production and our Boulder County farmers.

I believe that we should allow a diversity of farming practices in Boulder County. It is vital that we continue to permit our family farmers (many of whom have been farming on the same land for generations) to utilize modern agricultural practices, including the planting of genetically engineered seed and the responsible use of pesticides. These practices help farmers retain topsoil and reduce erosion, conserve water in multiple ways, reduce emissions, protect pollinators, and protect natural



Email Comments through 2 p.m. Feb. 26  
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Sincerely,  
Tom Fedler

From: Bob Starr <wordpress@faircolorado.org>  
Sent: Friday, February 19, 2016 3:37 PM  
To: Boulder County Cropland Policy  
Subject: Support for Modern Agriculture in Boulder County

Follow Up Flag: Follow up  
Flag Status: Completed

From: Bob Starr <bob@cropworx.net>  
Subject: Support for Modern Agriculture in Boulder County

Message Body:

Dear Commissioners,  
I support the responsible and sustainable use of our Open Space Land. I also support local food production and our Boulder County farmers.

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Sincerely,  
Bob Starr

From: Lyle Bjornestad <wordpress@faircolorado.org>  
Sent: Friday, February 19, 2016 4:29 PM  
To: Boulder County Cropland Policy  
Subject: Support for Modern Agriculture in Boulder County

Follow Up Flag: Follow up  
Flag Status: Completed

From: Lyle Bjornestad <lbjornestad@tctwest.net>  
Subject: Support for Modern Agriculture in Boulder County

Message Body:

Dear Commissioners,  
I support the responsible and sustainable use of our Open Space Land. I also support local food production and our Boulder County farmers.

I believe that we should allow a diversity of farming practices in Boulder County.

Email Comments through 2 p.m. Feb. 26

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Sincerely,  
Lyle Bjornestad

From: Mick Neu <wordpress@faircolorado.org>  
Sent: Friday, February 19, 2016 5:19 PM  
To: Boulder County Cropland Policy  
Subject: Support for Modern Agriculture in Boulder County

Follow Up Flag: Follow up  
Flag Status: Completed

From: Mick Neu <mneu@pvcoop.com>  
Subject: Support for Modern Agriculture in Boulder County

Message Body:

Dear Commissioners,  
I support the responsible and sustainable use of our Open Space Land. I also support local food production and our Boulder County farmers.

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Sincerely,  
Mick Neu

From: JR Bauwens <wordpress@faircolorado.org>  
Sent: Friday, February 19, 2016 8:26 PM  
To: Boulder County Cropland Policy  
Subject: Support for Modern Agriculture in Boulder County

Follow Up Flag: Follow up  
Flag Status: Completed

From: JR Bauwens <rgover@q.com>  
Subject: Support for Modern Agriculture in Boulder County

Message Body:

Email Comments through 2 p.m. Feb. 26

Dear Commissioners,  
I support the responsible and sustainable use of our Open Space Land. I also support local food production and our Boulder County farmers.

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Sincerely,  
JR Bauwens

From: Richard Hergert <wordpress@faircolorado.org>  
Sent: Friday, February 19, 2016 9:57 PM  
To: Boulder County Cropland Policy  
Subject: Support for Modern Agriculture in Boulder County

Follow Up Flag: Follow up  
Flag Status: Completed

From: Richard Hergert <richard.hergert@gmail.com>  
Subject: Support for Modern Agriculture in Boulder County

Message Body:

Dear Commissioners,  
I support the responsible and sustainable use of our Open Space Land. I also support local food production and our Boulder County farmers.

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Sincerely,  
Richard Hergert

From: Todd Werbelow <wordpress@faircolorado.org>  
Sent: Saturday, February 20, 2016 6:05 AM  
To: Boulder County Cropland Policy  
Subject: Support for Modern Agriculture in Boulder County

Follow Up Flag: Follow up  
Flag Status: Completed

Email Comments through 2 p.m. Feb. 26

From: Todd Werbelow <toddw@tctwest.net>  
Subject: Support for Modern Agriculture in Boulder County

Message Body:

Dear Commissioners,  
I support the responsible and sustainable use of our Open Space Land. I also support local food production and our Boulder County farmers.

I believe that we should allow a diversity of farming practices in Boulder County. It is vital that we continue to permit our family farmers (many of whom have been farming on the same land for generations) to utilize modern agricultural practices, including the planting of genetically engineered seed and the responsible use of pesticides. These practices help farmers retain topsoil and reduce erosion, conserve water in multiple ways, reduce emissions, protect pollinators, and protect natural resources by using farmland more efficiently.

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Sincerely,  
Todd Werbelow

From: Nate Wiedeman <wordpress@faircolorado.org>  
Sent: Saturday, February 20, 2016 1:37 PM  
To: Boulder County Cropland Policy  
Subject: Support for Modern Agriculture in Boulder County

Follow Up Flag: Follow up  
Flag Status: Completed

From: Nate Wiedeman <sbarseven@gmail.com>  
Subject: Support for Modern Agriculture in Boulder County

Message Body:

Dear Commissioners,  
I support the responsible and sustainable use of our Open Space Land. I also support local food production and our Boulder County farmers.

I believe that we should allow a diversity of farming practices in Boulder County. It is vital that we continue to permit our family farmers (many of whom have been farming on the same land for generations) to utilize modern agricultural practices, including the planting of genetically engineered seed and the responsible use of pesticides. These practices help farmers retain topsoil and reduce erosion, conserve water in multiple ways, reduce emissions, protect pollinators, and protect natural resources by using farmland more efficiently.

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Sincerely,  
Nate Wiedeman

From: Becky MacLennan <wordpress@faircolorado.org>  
Sent: Saturday, February 20, 2016 1:39 PM

Email Comments through 2 p.m. Feb. 26

To: Boulder County Cropland Policy  
Subject: Support for Modern Agriculture in Boulder County

Follow Up Flag: Follow up  
Flag Status: Completed

From: Becky MacLennan <natenbeckynwyatt@netzero.net>  
Subject: Support for Modern Agriculture in Boulder County

Message Body:

Dear Commissioners,

I support the responsible and sustainable use of our Open Space Land. I also support local food production and our Boulder County farmers.

I believe that we should allow a diversity of farming practices in Boulder County. It is vital that we continue to permit our family farmers (many of whom have been farming on the same land for generations) to utilize modern agricultural practices, including the planting of genetically engineered seed and the responsible use of pesticides. These practices help farmers retain topsoil and reduce erosion, conserve water in multiple ways, reduce emissions, protect pollinators, and protect natural resources by using farmland more efficiently.

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Sincerely,  
Becky MacLennan

From: Becky MacLennan <wordpress@faircolorado.org>  
Sent: Saturday, February 20, 2016 1:39 PM  
To: Boulder County Cropland Policy  
Subject: Support for Modern Agriculture in Boulder County

Follow Up Flag: Follow up  
Flag Status: Completed

From: Becky MacLennan <natenbeckynwyatt@netzero.net>  
Subject: Support for Modern Agriculture in Boulder County

Message Body:

Dear Commissioners,

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Email Comments through 2 p.m. Feb. 26

Sincerely,  
Becky MacLennan

From: Marvin Scott Bauwens <wordpress@faircolorado.org>  
Sent: Saturday, February 20, 2016 3:01 PM  
To: Boulder County Cropland Policy  
Subject: Support for Modern Agriculture in Boulder County

Follow Up Flag: Follow up  
Flag Status: Completed

From: Marvin Scott Bauwens <greendeereforme@yahoo.com>  
Subject: Support for Modern Agriculture in Boulder County

Message Body:

Dear Commissioners,  
I support the responsible and sustainable use of our Open Space Land. I also support local food production and our Boulder County farmers.

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Sincerely,  
Marvin Scott Bauwens

From: Don Hansen & Sons <wordpress@faircolorado.org>  
Sent: Saturday, February 20, 2016 3:49 PM  
To: Boulder County Cropland Policy  
Subject: Support for Modern Agriculture in Boulder County

Follow Up Flag: Follow up  
Flag Status: Completed

From: Don Hansen & Sons <hands@plainstel.com>  
Subject: Support for Modern Agriculture in Boulder County

Message Body:

Dear Commissioners,  
I support the responsible and sustainable use of our Open Space Land. I also support local food production and our Boulder County farmers.

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Email Comments through 2 p.m. Feb. 26

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Sincerely,  
Don Hansen & Sons

From: Robert Dorn <wordpress@faircolorado.org>  
Sent: Sunday, February 21, 2016 6:36 AM  
To: Boulder County Cropland Policy  
Subject: Support for Modern Agriculture in Boulder County

Follow Up Flag: Follow up  
Flag Status: Completed

From: Robert Dorn <rbdorn@msn.com>  
Subject: Support for Modern Agriculture in Boulder County

Message Body:

Dear Commissioners,  
I support the responsible and sustainable use of our Open Space Land. I also support local food production and our Boulder County farmers.

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Sincerely,  
Robert Dorn

From: Greg Ludlow <wordpress@faircolorado.org>  
Sent: Sunday, February 21, 2016 10:40 AM  
To: Boulder County Cropland Policy  
Subject: Support for Modern Agriculture in Boulder County

Follow Up Flag: Follow up  
Flag Status: Completed

From: Greg Ludlow <ludlowgreg@comcast.net>  
Subject: Support for Modern Agriculture in Boulder County

Message Body:

Dear Commissioners,  
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I believe that we should allow a diversity of farming practices in Boulder County. It is vital that we continue to permit our family farmers (many of whom have been farming on the same land for generations) to utilize modern agricultural practices, including the planting of genetically engineered seed and the responsible use of pesticides. These practices help farmers retain topsoil and reduce erosion, conserve

Email Comments through 2 p.m. Feb. 26

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Sincerely,  
Greg Ludlow

From: Peggy Mi trick from Bulldog Farms, LLC <wordpress@faircolorado.org>  
Sent: Sunday, February 21, 2016 11:45 AM  
To: Boulder County Cropland Policy  
Subject: Support for Modern Agriculture in Boulder County

Follow Up Flag: Follow up  
Flag Status: Completed

From: Peggy Mi trick from Bulldog Farms, LLC <pmi trick1@comcast.net>  
Subject: Support for Modern Agriculture in Boulder County

Message Body:

Dear Commissioners,  
I support the responsible and sustainable use of our Open Space Land. I also support local food production and our Boulder County farmers.

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Sincerely,  
Peggy Mi trick from Bulldog Farms, LLC

From: Joneal Young <wordpress@faircolorado.org>  
Sent: Sunday, February 21, 2016 8:48 PM  
To: Boulder County Cropland Policy  
Subject: Support for Modern Agriculture in Boulder County

Follow Up Flag: Follow up  
Flag Status: Completed

From: Joneal Young <joneal y@ywea.com>  
Subject: Support for Modern Agriculture in Boulder County

Message Body:

Dear Commissioners,  
I support the responsible and sustainable use of our Open Space Land. I also support local food production and our Boulder County farmers.



Email Comments through 2 p.m. Feb. 26

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We need to take a comprehensive approach to food production in our county and ensure that all science-based sustainable farming methods remain on the table. As a community, we can support coexistence and collaboration among all of our wonderful farmers. I ask that you continue to allow modern agricultural practices – including the planting of GMO seeds and the use of pesticides – when evaluating Cropland Policy for Boulder County.

Sincerely,  
Joneal Young

From: Krezek, Michelle  
Sent: Monday, February 22, 2016 9:28 AM  
To: Boulder County Cropland Policy  
Subject: FW: Support for Modern Agriculture in Boulder County

Follow Up Flag: Follow up  
Flag Status: Completed

-----Original Message-----

From: Thomas S Bornhoft Jr [mailto:wordpress@faircolorado.org]  
Sent: Friday, February 19, 2016 10:15 AM  
To: Gardner, Deb; Jones, Elise; Domenco, Cindy  
Cc: Krezek, Michelle  
Subject: Support for Modern Agriculture in Boulder County

From: Thomas S Bornhoft Jr <tommybornhoft@hotmail.com>  
Subject: Support for Modern Agriculture in Boulder County

Message Body:

Dear Commissioners,

I support the responsible and sustainable use of our Open Space Land. I also support local food production and our Boulder County farmers.

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Email Comments through 2 p.m. Feb. 26

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Sincerely,  
Thomas S Bornhoft Jr

From: Stephenson, LLC <wordpress@faircolorado.org>  
Sent: Monday, February 22, 2016 10:04 AM  
To: Boulder County Cropland Policy  
Subject: Support for Modern Agriculture in Boulder County

Follow Up Flag: Follow up  
Flag Status: Completed

From: Stephenson, LLC <bcstephenson@rangeweb.net>  
Subject: Support for Modern Agriculture in Boulder County

Message Body:

Dear Commissioners,  
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Email Comments through 2 p.m. Feb. 26

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Sincerely,  
Stephenson, LLC

From: Steve Sackett <wordpress@faircolorado.org>  
Sent: Monday, February 22, 2016 11:10 AM  
To: Boulder County Cropland Policy  
Subject: Support for Modern Agriculture in Boulder County

Follow Up Flag: Follow up  
Flag Status: Completed

From: Steve Sackett <steve.sackett@cpsagu.com>  
Subject: Support for Modern Agriculture in Boulder County

Message Body:

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Sincerely,  
Steve Sackett

From: Jim Hergenreder <wordpress@faircolorado.org>  
Sent: Monday, February 22, 2016 11:33 AM  
To: Boulder County Cropland Policy  
Subject: Support for Modern Agriculture in Boulder County

Follow Up Flag: Follow up  
Flag Status: Completed

From: Jim Hergenreder <jimhergenreder@yahoo.com>  
Subject: Support for Modern Agriculture in Boulder County

Message Body:

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Sincerely,  
Jim Hergenreder

From: Vanessa Baughman <wordpress@faircolorado.org>  
Sent: Monday, February 22, 2016 11:35 AM  
To: Boulder County Cropland Policy  
Subject: Support for Modern Agriculture in Boulder County

Follow Up Flag: Follow up  
Flag Status: Completed

From: Vanessa Baughman <lsu1110@sbcglobal.net>  
Subject: Support for Modern Agriculture in Boulder County

Message Body:

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Sincerely,  
Vanessa Baughman

From: Jim Daniel <wordpress@faircolorado.org>  
Sent: Monday, February 22, 2016 11:38 AM  
To: Boulder County Cropland Policy  
Subject: Support for Modern Agriculture in Boulder County

Follow Up Flag: Follow up  
Flag Status: Completed

From: Jim Daniel <Jimtdan@gmail.com>  
Subject: Support for Modern Agriculture in Boulder County

Message Body:

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Email Comments through 2 p.m. Feb. 26

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Sincerely,  
Jim Daniel

From: Christine Grooms <wordpress@faircolorado.org>  
Sent: Monday, February 22, 2016 12:01 PM  
To: Boulder County Cropland Policy  
Subject: Support for Modern Agriculture in Boulder County

Follow Up Flag: Follow up  
Flag Status: Completed

From: Christine Grooms <cvgrooms@amaglab.com>  
Subject: Support for Modern Agriculture in Boulder County

Message Body:

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Sincerely,  
Christine Grooms

From: Larry Ehrman <wordpress@faircolorado.org>  
Sent: Monday, February 22, 2016 12:15 PM  
To: Boulder County Cropland Policy  
Subject: Support for Modern Agriculture in Boulder County

Follow Up Flag: Follow up  
Flag Status: Completed

From: Larry Ehrman <lehrman@agfinityinc.com>  
Subject: Support for Modern Agriculture in Boulder County

Email Comments through 2 p.m. Feb. 26

Message Body:

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Sincerely,  
Larry Ehrman

From: James Johnston <wordpress@faircolorado.org>  
Sent: Monday, February 22, 2016 1:15 PM  
To: Boulder County Cropland Policy  
Subject: Support for Modern Agriculture in Boulder County

Follow Up Flag: Follow up  
Flag Status: Completed

From: James Johnston <jjohnston@agfinityinc.com>  
Subject: Support for Modern Agriculture in Boulder County

Message Body:

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Sincerely,  
James Johnston

From: Jake Walker <wordpress@faircolorado.org>  
Sent: Monday, February 22, 2016 1:36 PM  
To: Boulder County Cropland Policy  
Subject: Support for Modern Agriculture in Boulder County

Follow Up Flag: Follow up

Email Comments through 2 p.m. Feb. 26

Flag Status: Completed

From: Jake Walker <jake.walker@bayer.com>  
Subject: Support for Modern Agriculture in Boulder County

Message Body:

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Sincerely,  
Jake Walker

From: Cathy Segelke <wordpress@faircolorado.org>  
Sent: Monday, February 22, 2016 1:42 PM  
To: Boulder County Cropland Policy  
Subject: Support for Modern Agriculture in Boulder County

Follow Up Flag: Follow up  
Flag Status: Completed

From: Cathy Segelke <segelke\_c@hotmail.com>  
Subject: Support for Modern Agriculture in Boulder County

Message Body:

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Sincerely,  
Cathy Segelke

From: Steven Stewart <wordpress@faircolorado.org>

Email Comments through 2 p.m. Feb. 26

Sent: Monday, February 22, 2016 2:18 PM  
To: Boulder County Cropland Policy  
Subject: Support for Modern Agriculture in Boulder County

Follow Up Flag: Follow up  
Flag Status: Completed

From: Steven Stewart <stusteven@aol.com>  
Subject: Support for Modern Agriculture in Boulder County

Message Body:

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Sincerely,  
Steven Stewart

From: Darrel Mertens <wordpress@faircolorado.org>  
Sent: Monday, February 22, 2016 3:46 PM  
To: Boulder County Cropland Policy  
Subject: Support for Modern Agriculture in Boulder County

Follow Up Flag: Follow up  
Flag Status: Completed

From: Darrel Mertens <aero@aeroapplicators.com>  
Subject: Support for Modern Agriculture in Boulder County

Message Body:

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Email Comments through 2 p.m. Feb. 26

Sincerely,  
Darrel Mertens

From: Bill J Cox <wordpress@faircolorado.org>  
Sent: Monday, February 22, 2016 5:35 PM  
To: Boulder County Cropland Policy  
Subject: Support for Modern Agriculture in Boulder County

Follow Up Flag: Follow up  
Flag Status: Completed

From: Bill J Cox <coxandfisher@directairnet.com>  
Subject: Support for Modern Agriculture in Boulder County

Message Body:

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Sincerely,  
Bill J Cox

From: Bret Koops <wordpress@faircolorado.org>  
Sent: Monday, February 22, 2016 6:39 PM  
To: Boulder County Cropland Policy  
Subject: Support for Modern Agriculture in Boulder County

Follow Up Flag: Follow up  
Flag Status: Completed

From: Bret Koops <b\_ryan51@yahoo.com>  
Subject: Support for Modern Agriculture in Boulder County

Message Body:

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Sincerely,  
Bret Koops

From: Inna Imperiali <imperialcorp123@gmail.com>  
Sent: Monday, February 22, 2016 6:40 PM  
To: Boulder County Cropland Policy  
Subject: Safety of GE crops - reaffirmed once again

Follow Up Flag: Follow up  
Flag Status: Completed

Commissioners: Activists with no scientific or farming experience will tell you that genetically engineered crops are not safe. That is simply not true.

Over 1000 scientists and academics have recently reaffirmed that GE technology is safe. This is in addition to the many scientific institutions (also listed in this article) that have already made this assessment.

<https://www.sciencedaily.com/releases/2016/02/160218145141.htm#.VsjQXIkf-Pk.twitter>

Please retain the current Cropland Policy on Boulder County Open Space.

Inna Imperiali  
Boulder, CO

From: Krezek, Michelle  
Sent: Tuesday, February 23, 2016 10:47 AM  
To: Boulder County Cropland Policy  
Subject: FW: Attn: Boulder County Commissioners: Regenerative Agriculture Case Studies, Resources

Follow Up Flag: Follow up  
Flag Status: Completed

From: Steven Hoffman [mailto:steve@compassnaturalmarketing.com]  
Sent: Wednesday, February 10, 2016 4:59 PM  
To: Krezek, Michelle  
Subject: Attn: Boulder County Commissioners: Regenerative Agriculture Case Studies, Resources

Dear Boulder County Commissioners,

Thank you very much for the opportunity to present to you my request as a citizen of Boulder County to NOT renew the allowance of GMO crops to be cultivated on tax-payer owned Open Space land.

Also, thank you for your interest in Regenerative Agriculture as a low-cost,

Email Comments through 2 p.m. Feb. 26

practical and effective solution as to the use of our public lands and as an alternative to allowing GMO commodity crops (that have no benefit to our local food system) to be grown on publicly owned Open Space cropland.

Per your request, and as a follow up to our discussion yesterday, I have compiled a sampling of recent case studies, information and resources on short notice regarding how regenerative agriculture is a solution to not only to feed the world but to sequester carbon and reverse climate change - in a way that does not pollute our environment, community and citizens with toxic, synthetic pesticides and ammonium nitrate fertilizers - and without the use of genetically engineered crops, for which there is NO consensus

<[http://download.springer.com/static/pdf/92/art%3A10.1186%2Fs12302-014-0034-1.pdf?origi nUrl=http://enveurope.springeropen.com/article/10.1186/s12302-014-0034-1&token2=exp=1455147775~acl=/static/pdf/92/art%253A10.1186%252Fs12302-014-0034-1.pdf\\*~hmac=989044121fea0c2ef63314df5b722da52be07d48b439cc27a5886d527fef707b](http://download.springer.com/static/pdf/92/art%3A10.1186%2Fs12302-014-0034-1.pdf?origi nUrl=http://enveurope.springeropen.com/article/10.1186/s12302-014-0034-1&token2=exp=1455147775~acl=/static/pdf/92/art%253A10.1186%252Fs12302-014-0034-1.pdf*~hmac=989044121fea0c2ef63314df5b722da52be07d48b439cc27a5886d527fef707b)> on safety.

Please know that the science and methodology related to regenerative agriculture is relatively new, so there is a great need for continued research, as well as agricultural extension, for which there has been little to no funding to date.

However, with conventional, industrial and GMO-related agriculture responsible for up to half of all global greenhouse gas emissions, by some estimates, these resources offer a critically important new perspective on how regenerative agriculture can be used as a practical, low-cost solution to reversing climate change.

The solution to climate change is, quite literally, right under our feet. This is something in which Boulder County residents will have great interest in supporting in place of a GMO policy that benefits only a few.

Thank you,

Steven Hoffman

Longmont, CO

Feed the world. Cool the planet.

direct 303.807.1042

email [steve@regenerati oninternati onal . org](mailto:steve@regenerati oninternati onal . org)

web [www.regenerati oninternati onal . org](http://www.regenerati oninternati onal . org)

Email Comments through 2 p.m. Feb. 26

#### 4 Per 1000 Initiative: Soil Health Emerges as Global Priority to Address Climate Change

Representatives at the 2015 Paris Climate Conference, led by the French Agriculture Ministry, recently opened the door for farmers and ranchers to lead climate change mitigation efforts through an innovative soil carbon sequestration effort, the 4 per 1000 Initiative: Soils for Food Security and Climate <<http://frenchfoodintheus.org/wp-content/uploads/2015/09/4pour1000-ENG-FINAL.pdf>> ("the Initiative").

<http://sustainableagriculture.net/blog/4per1000/>

#### Regenerative Ranching in North Dakota - Video

Outside Bismarck, ND is a ranch that exemplifies a quiet revolution in commercial agriculture. While more and more consumers learn about the overwhelming benefits of eating healthfully (preferably local, organic food), a growing number of farmers and ranchers are weaning themselves from the grip of a small cartel of extremely powerful chemical "pharming" corporations. They are returning to a style of farming that had always existed before. Gabe & Paul Brown are a father and son who are not shy about showing off their beautiful land and visibly happy livestock. They practice what they call "Regenerative Farming" - a set of practices that encourage biodiversity and the natural enrichment of untilled soils. Improving soil health is a priority and no-till farming has been practiced since 1993. A diverse cropping strategy, which includes cover and companion crops are used. They have eliminated the use of synthetic fertilizers, fungicides, and pesticides and use no GMO crops. The result? Incredibly good food they produce for less than half the cost of chemical farming. Yep. Better food for less money with less damage to us and the planet. Win, win and win.

<https://www.youtube.com/watch?v=RkoCY4E0Fj4&feature=youtu.be&app=desktop>

#### Cover Crops, a Farming Revolution With Deep Roots in the Past

[http://www.nytimes.com/2016/02/07/business/cover-crops-a-farming-revolution-with-deep-roots-in-the-past.html?\\_r=0](http://www.nytimes.com/2016/02/07/business/cover-crops-a-farming-revolution-with-deep-roots-in-the-past.html?_r=0)

#### A Truly Regenerative Agriculture

At Anne and Eric Nordell's Beech Grove Farm in north-central Pennsylvania, horses, cover crops, and reduced tillage add up to "bio-extensive market gardening."

<http://www.newfarm.org/features/1204/nordell/>

#### The Amish Farmers Reinventing Organic Agriculture

By studying the immune systems of plants, they've developed a technique that eliminates the need for chemicals.

<http://www.theatlantic.com/health/archive/2014/10/the-amish-farmer-replacing-pesticides-with-nutrition/380825/>

Email Comments through 2 p.m. Feb. 26

Acres USA: Farm Scale Permaculture in Action

As biotechnology companies tinker with the DNA of our germplasm heritage to fix perceived deficiencies in crop yields and resistance to pests, more and more farmers are looking toward natural solutions and systems of farming that not only increase productivity, but also increase the health of the land and all the creatures that inhabit it.

<http://ecologicaldesignland/images/DecACRES2015.pdf>

Regenerative Agriculture Case Studies in Australia

<http://www.soilsforlife.org.au/case-studies.html>

Rodale Institute: Regenerative Organic Agriculture and Climate Change A Down-to-Earth Solution to Global Warming

[http://rodaleinstitute.org/assets/RegenOrgAgricultureAndClimateChange\\_20140418.pdf](http://rodaleinstitute.org/assets/RegenOrgAgricultureAndClimateChange_20140418.pdf)

Regenerative Agriculture: Annotated Bibliography

This compilation of resources reflects the latest and best information on organic regenerative agriculture and land use practices, especially as they relate to carbon sequestration and climate change.

<https://www.organicconsumers.org/news/regenerative-agriculture-annotated-bibliography>

The 9 Most Important Techniques in Regenerative Agriculture

These are some of the most effective and important Regenerative Agriculture techniques. They can dramatically improve most farming and ranching operations. Most of them can increase profits, if applied correctly. And they are almost all guaranteed to regenerate land.

<http://sheldonfirth.com/2015/12/15/a-brief-introduction-to-most-important-techniques-in-regenerative-agriculture/>

Regeneration International - Resources for Agriculturalists

Providing resources and information to advance research and methodology in organic, regenerative agriculture to feed the world, sequester carbon and reverse climate change.

<http://regenerationinternational.org/resources/>

Carbon Sequestration Potential on Agricultural Lands: A Review of Current Science and Available Practices

Carbon sequestration on agricultural lands is possible through a range of soil management strategies and could be substantial with widespread implementation.

Email Comments through 2 p.m. Feb. 26

[http://sustainableagriculture.net/wp-content/uploads/2015/12/Soil\\_C\\_review\\_Kane\\_Dec\\_4-final-v4.pdf](http://sustainableagriculture.net/wp-content/uploads/2015/12/Soil_C_review_Kane_Dec_4-final-v4.pdf)

#### California Action and Climate Network

Many of California's most innovative sustainable and organic farmers and ranchers are using climate-friendly practices that reduce their greenhouse gas emissions and sequester carbon. These practices often also provide other health and environmental benefits such as water conservation, improved air and water quality, and enhanced wildlife habitat and biodiversity. Here are some of their stories.

<http://calclimateag.org/farmer-stories/>

#### Soil4Climate

Soil4Climate is an excellent resource on Facebook that shares current news, resources and case studies in regenerative agriculture.

<https://www.facebook.com/groups/Soil4Climate/>

**GMO Myths & Truths:** GM has had little impact on the adoption of no-till farming, and no-till with GM herbicide-tolerant crops is not environmentally friendly

<http://earthopensource.org/gmomythsandtruths/sample-page/5-gm-crops-impacts-farm-environment/5-5-myth-gm-enabled-adoption-environmentally-friendly-till-farming/>

**National and International Regenerative Agriculture Advocacy Groups Announce Support for Vermont Regenerative Farm Certification Bill**

Vermont Bill Would Establish the Nation's First Program for Certifying Regenerative Farms.

<http://www.kisstheground.com/2016/02/10/national-and-international-regenerative-agriculture-advocacy-groups-announce-support-for-vermont-regenerative-farm-certification-bill/>

**Ruminants and methane: Not the fault of the animals**

<https://www.greenleft.org.au/node/60865>

**Oregon farmers suffering financial losses because of GE crop contamination**

According to an article by Tracy Loew in the Statesman Journal <<http://www.statesmanjournal.com/story/tech/science/environment/2016/02/09/oregon-farmers-battle-over-gmo-control/80027048/>>, Oregon farmers reported to a Legislative committee that they are suffering real financial losses because of contamination from nearby genetically engineered crops.

<http://globaljusticeecology.org/oregon-farmers-suffering-financial-losses-because-of-ge-crop-contamination/>

Email Comments through 2 p.m. Feb. 26

Hawaii Coffee Farmers Sue Monsanto for Hiding Cancer-Causing Impact of Glyphosate

<http://ecowatch.com/2016/02/09/monsanto-sued-coffee-farmers/>

From Gluten Intolerance to Autism: Research Documents Clear Health and Environmental Risks Associated with GMOs

<http://www.compassnaturalmarketing.com/2013/11/29/research-documents-clear-health-and-environmental-risks-associated-with-gmos/>

The One Straw Revolution by Masanobu Fukuoka

"The One Straw Revolution," (New York Book Reviews), a classic memoir and guide. You'll learn about his philosophy and the Four Principles of Natural Farming: no cultivation; no chemical fertilizer or prepare compost; no weeding by tillage and herbicides; and no dependence on chemicals. Even though his methods require less labor, it can result in higher yields for your farm or garden. To learn more, visit [www.onestrawrevolution.net](http://www.onestrawrevolution.net) <<http://www.onestrawrevolution.net/>> .

<https://www.youtube.com/watch?v=XSKSxLHMv9k>

Sincere regards,

Steven Hoffman

Longmont, CO

Feed the world. Cool the planet.

Steven Hoffman

Managing Director

Compass Natural LLC

Connecting Media and Markets in Natural & Organic Products

direct 303.807.1042

email [steve@compassnatural.com](mailto:steve@compassnatural.com)

skype compassnatural

Email Comments through 2 p.m. Feb. 26

web www.compassnatural.com  
blog www.compassnatural.com/blog  
twitter @compassnatural  
fb www.facebook.com/compassnatural

2525 Arapahoe, E4-555

Boulder, CO 80302

From: Mary VonBreck <vonbreck@gmail.com>  
Sent: Tuesday, February 23, 2016 11:26 AM  
To: Boulder County Board of Commissioners  
Cc: Steven Druker  
Subject: Re: Legal Standing to Ban GMOs

Follow Up Flag: Follow up  
Flag Status: Completed

Hello Commissioners,

I am following up on the data from Steven Druker regarding FDA Policy on GMOS. Are you able to take a phone call from him? Is there a time that works for you?

Thank you,  
Mary VonBreck

<<https://docs.google.com/uc?export=download&id=0B6B0DS8djJFGTXpQejRIT1B3dDg&revId=0B6B0DS8djJFGZctFNWJKbzFKc3pTMVJQTXpnS1pCNjRPSVNjPQ>>

In partnership with the retail supply chain, the "Transition to Organic Project" (TOP) is expanding the size & profitability of the marketplace by organizing a scalable non-GMO & organic food supply system in the U.S. that parallels conventional agriculture.

This communication may contain information that is legally privileged, confidential or exempt from disclosure. If you are not the intended recipient, please note that any dissemination, distribution or copying of this communication is strictly prohibited. Anyone who receives this message in error should notify the sender immediately by telephone or by return e-mail and delete it from their computer.

On Mon, Feb 15, 2016 at 12:35 PM, Mary VonBreck <vonbreck@gmail.com> wrote:

Dear Commissioners,

I am pleased to introduce and to provide you with access to Attorney Steven Druker.

Steven M. Druker is a public interest attorney who initiated a lawsuit against the U.S. Food and Drug Administration that forced it to divulge its files on genetically engineered

? foods. This revealed that politically appointed administrators had covered up the



Email Comments through 2 p.m. Feb. 26

?  
extensive warnings of their own scientists about the unusual risks of these foods,  
lied  
?  
about the facts, and then ushered these products onto the market in violation of  
explicit  
?  
mandates of federal food safety law.

I have attached two documents for your reading.

The first is a one-pager titled The Unsettling Facts About FDA Policy on GMOs.

The second is a 5 page document that enumerates reasons "Why the FDA's Policy on Genetically Engineered Foods is Unscientific, Irresponsible and Illegal."

Mr. Druker is well aware of the pressures the biotech industry is bringing to bear on Boulder County and would like the opportunity to speak with you by telephone as well as to provide testimony at the Feb 29 Hearing should you request it.

Please read the attached documents and be in touch.  
? His email is included here for ease in scheduling a phone meeting or requesting further support for the legal position to ban GMOs on Open Space.

I have also reached out to County Attorney Ben Pearlman to offer meaningful conversation on the legal reasons to ban GMos here? on Open Space. Mr. Druker is ready to and pleased to be in touch.

Respectfully,  
Mary VonBreck  
720-253-3003

<<https://docs.google.com/uc?export=download&id=0B6B0DS8djJFGTXpQejRIT1B3dDg&revId=0B6B0DS8djJFGZCtFNWJKbzFKc3pTMVJQTXpnS1pCNjRPSVNjPQ>>

In partnership with the retail supply chain, the "Transition to Organic Project" (TOP) is expanding the size & profitability of the marketplace by organizing a scalable non-GMO & organic food supply system in the U.S. that parallels conventional agriculture.

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From: MARY W <maryl amy38@msn.com>  
Sent: Tuesday, February 23, 2016 2:58 PM  
To: Boulder County Board of Commissioners  
Subject: GMO/NON-GMO

Follow Up Flag: Follow up  
Flag Status: Completed

Email Comments through 2 p.m. Feb. 26

Greetings to all three of you,  
Your job concerning the use of GMO seed on Open Space ground in the county is indeed difficult. I spoke at the marathon hearing five years ago. I have been a Boulder County farmer for 44 years. I have owned farms in Hygiene for all of those years. I am president of the Runyan Ditch and a former vice president of the Palmerton Consolidate Ditch. My friends and neighbors here are farmers, many of whom farm open space lands. It is my opinion that you cannot tie their hands by ruling out GMO crops on open space. They are not boutique farmers, a number of my friends farm up to several hundred acres of county land. I hope that you can come down on the side of pragmatism regarding real life farmers.

My best regards,

Mary Lamy, Hygiene

From: Tamara Balzer <wordpress@faircolorado.org>

Sent: Tuesday, February 23, 2016 3:00 PM

To: Boulder County Cropland Policy

Subject: Support for Modern Agriculture in Boulder County

Follow Up Flag: Follow up

Flag Status: Completed

From: Tamara Balzer <tbalzer@montana.edu>

Subject: Support for Modern Agriculture in Boulder County

Message Body:

Dear Commissioners,

I support the responsible and sustainable use of our Open Space land. I also support local food production and our Boulder County farmers.

I believe that we should allow a diversity of farming practices in Boulder County. It is vital that we continue to permit our family farmers (many of whom have been farming on the same land for generations) to utilize modern agricultural practices, including the planting of genetically engineered seed and the responsible use of pesticides. These practices help farmers retain topsoil and reduce erosion, conserve water in multiple ways, reduce emissions, protect pollinators, and protect natural resources by using farmland more efficiently.

We need to take a comprehensive approach to food production in our county and ensure that all science-based sustainable farming methods remain on the table. As a community, we can support coexistence and collaboration among all of our wonderful farmers. I ask that you continue to allow modern agricultural practices – including the planting of GMO seeds and the use of pesticides – when evaluating Cropland Policy for Boulder County.

Sincerely,

Tamara Balzer

From: Julie McCaleb <wordpress@faircolorado.org>

Sent: Tuesday, February 23, 2016 7:29 PM

To: Boulder County Cropland Policy

Subject: Support for Modern Agriculture in Boulder County

Follow Up Flag: Follow up

Flag Status: Completed

From: Julie McCaleb <julie31066@yahoo.com>

Subject: Support for Modern Agriculture in Boulder County

Message Body:

Dear Commissioners,

I support the responsible and sustainable use of our Open Space land. I also support local food production and our Boulder County farmers.

I believe that we should allow a diversity of farming practices in Boulder County.

Email Comments through 2 p.m. Feb. 26

It is vital that we continue to permit our family farmers (many of whom have been farming on the same land for generations) to utilize modern agricultural practices, including the planting of genetically engineered seed and the responsible use of pesticides. These practices help farmers retain topsoil and reduce erosion, conserve water in multiple ways, reduce emissions, protect pollinators, and protect natural resources by using farmland more efficiently.

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Sincerely,  
Julie McCall

From: Scott Smith <smithwillscott@gmail.com>  
Sent: Wednesday, February 24, 2016 8:45 AM  
To: Krezek, Michelle; Boulder County Board of Commissioners  
Subject: Boulder County Citizen's Cropland Policy: Economic Transition Plan  
Attachments: Alternative Arrangements for Transitioning to Organic Crops.pdf

Follow Up Flag: Follow up  
Flag Status: Completed

Hello Michelle and Commissioners:

As a follow-up to my personal testimony to the Commissioners, please find attached the "Economic Transition Plan" that was part of the Boulder County Citizen's Cropland Policy. This document, the work of retired Cornell Agricultural Economist, Edna Loehman, and others, outlines a system whereby the County can produce far greater revenues, and local food, beyond the current Open Space Ag land break even point, and provide financial support to the GMO farmers in their transition away from current toxic practices and towards regenerative agriculture.

There is every reason to support our farmers to move towards healthy farm practices. This is critically important in light of their precarious position of them being left with no other options than neonicotinoid-coated GMO seeds along with its attendant menu of pesticides. During the Commission testimony, it's interesting to note, that the GMO sugar beet growers are FORCED to use Neonicotinoids as a condition of growing their crops. To me, it's the equivalent of having a gun held to their head, and which also means a gun held to bee's heads and to the public at-large. Didn't you feel a bit uncomfortable about this too?

The attached document is a great starting point framework that supports our farmers and, by extension, every person in the county who can benefit from the move away from chemical-based farming.

To suggest that this kind of farming isn't possible, may I point out that before chemical farming was introduced post- WW2, everything was organic.

Best,

Scott & Mary Smith

From: Charles W Howe <charles.howe@colorado.edu>  
Sent: Wednesday, February 24, 2016 11:12 AM  
To: Boulder County Cropland Policy  
Subject: Support ALL the farmers who must work together.

Email Comments through 2 p.m. Feb. 26

Follow Up Flag: Follow up  
Flag Status: Completed

See above.  
Thunderbird Drive, Boulder 80303.

Charles W. Howe, 4840

From: LindaFlack@comcast.net  
Sent: Wednesday, February 24, 2016 11:20 AM  
To: Boulder County Cropland Policy  
Subject: Cropland Policy

Follow Up Flag: Follow up  
Flag Status: Completed

Commissioners: I have followed the debates, both locally and internationally, on the use of genetically engineered farming methods for many years; especially since I married a farmer (now semi-retired), nearly 25 years ago. As a result, I have never found credible evidence that the use of the GE methods has ever created any of the possible situations which alarmists have raised. I have always been proud of Boulder County for saving so many acres of agricultural land in the county and for allowing farmers using that land to make their own decisions as to the use of organic, conventional or GE methods. Please allow this to continue. Farming is a difficult business at best, subject to a host of events totally beyond the farmer's ability to predict as he makes his plans for the next season. County government should not be in the position of adding additional restrictions to the decisions our hardworking and dedicated farmers are making.

I also understand that County staff along with CSU Extension has issued a report on this topic which has not been released. Please release the report, especially if you are contemplating any change to the existing policy.

Linda Flack  
303/440-99428  
1553 Lodge Lane  
Boulder

From: Matt Eldred <mattelred@hotmail.com>  
Sent: Wednesday, February 24, 2016 2:00 PM  
To: Boulder County Cropland Policy  
Subject: Local Farmers

Follow Up Flag: Follow up  
Flag Status: Completed

Dear County Commissioners,

I am a resident of Boulder County, and I support the success of our local farmers. I also recognize that we have a wide diversity of farms and farming practices in our County, and I support that they coexist.

The organic and conventional farmers have joined together to ask that you focus on policies that would truly benefit local agriculture. I ask you to listen to them, and to continue to allow our farmers to grow food in safe and sustainable ways (which includes GMO seeds and responsible pesticide use). Please make evidence-based policy decisions, and use the County's resources to support all of our farmers.

Sincerely,

Email Comments through 2 p.m. Feb. 26

Matt Eldred  
Boulder County Resident

From: bgardner3@comcast.net  
Sent: Wednesday, February 24, 2016 3:15 PM  
To: Boulder County Cropland Policy  
Subject: New crop land policy

Follow Up Flag: Follow up  
Flag Status: Completed

County Commissioners,

As a Registered Dietitian, I would like to support the Boulder CO farmers who are using organic and conventional policies to produce our foods, which includes GMO seeds and responsible pesticide use as they see fit. The bottom line on nutritional value of foods is not whether our foods come from GMO or non-GMO foods or whether reliable pesticides were used but nutritional value is more determined by how the foods are stored and transferred. Nutrients can be lost when foods are transported long distances or held at improper temperatures. When foods are fresh picked and sent to a local market, chances are better that the nutrients will be preserved (no matter what the growing philosophies were).

I am a Master Gardener in three states and grew up on a farm so can appreciate what goes into producing our foods. From what I know about the farmers of Boulder County, they are all able to coexist with their different agricultural methods. So PLEASE don't change something that is working well for them. Please make evidence-based policy decisions, not information from groups who have no real data to support their claims.

I am a resident of Boulder County, and I support the success of our local farmers. I enjoy stopping by local markets for fresh from the field produce that I know has more nutrients than something shipped in from afar. .

Sincerely,  
Barb Gardner  
Registered Dietitian, and local gardener  
From: Ann Crook <wordpress@faircolorado.org>  
Sent: Wednesday, February 24, 2016 3:36 PM  
To: Boulder County Cropland Policy  
Subject: Support for Modern Agriculture in Boulder County

Follow Up Flag: Follow up  
Flag Status: Completed

From: Ann Crook <anntrute@yahoo.com>  
Subject: Support for Modern Agriculture in Boulder County

Message Body:  
Dear Commissioners,  
I support the responsible and sustainable use of our Open Space land. I also support local food production and our Boulder County farmers.

I believe that we should allow a diversity of farming practices in Boulder County. It is vital that we continue to permit our family farmers (many of whom have been farming on the same land for generations) to utilize modern agricultural practices, including the planting of genetically engineered seed and the responsible use of pesticides. These practices help farmers retain topsoil and reduce erosion, conserve water in multiple ways, reduce emissions, protect pollinators, and protect natural resources by using farmland more efficiently.

Email Comments through 2 p.m. Feb. 26

We need to take a comprehensive approach to food production in our county and ensure that all science-based sustainable farming methods remain on the table. As a community, we can support coexistence and collaboration among all of our wonderful farmers. I ask that you continue to allow modern agricultural practices – including the planting of GMO seeds and the use of pesticides – when evaluating Cropland Policy for Boulder County.

Sincerely,  
Ann Crook

From: Jessie Stewart <wordpress@faircolorado.org>  
Sent: Wednesday, February 24, 2016 4:37 PM  
To: Boulder County Cropland Policy  
Subject: Support for Modern Agriculture in Boulder County

Follow Up Flag: Follow up  
Flag Status: Completed

From: Jessie Stewart <jessiestewart2015@gmail.com>  
Subject: Support for Modern Agriculture in Boulder County

Message Body:

Dear Commissioners,  
I support the responsible and sustainable use of our Open Space Land. I also support local food production and our Boulder County farmers.

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Sincerely,  
Jessie Stewart

From: Steven Meakins <wordpress@faircolorado.org>  
Sent: Wednesday, February 24, 2016 6:50 PM  
To: Boulder County Cropland Policy  
Subject: Support for Modern Agriculture in Boulder County

Follow Up Flag: Follow up  
Flag Status: Completed

From: Steven Meakins <s\_meakins@hotmail.com>  
Subject: Support for Modern Agriculture in Boulder County

Message Body:

Dear Commissioners,  
I support the responsible and sustainable use of our Open Space Land. I also support local food production and our Boulder County farmers.

I believe that we should allow a diversity of farming practices in Boulder County. It is vital that we continue to permit our family farmers (many of whom have been

Email Comments through 2 p.m. Feb. 26

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Sincerely,  
Steven Meakins

From: Rita Young <wordpress@faircolorado.org>  
Sent: Wednesday, February 24, 2016 7:53 PM  
To: Boulder County Cropland Policy  
Subject: Support for Modern Agriculture in Boulder County

Follow Up Flag: Follow up  
Flag Status: Completed

From: Rita Young <ry@plainstel.com>  
Subject: Support for Modern Agriculture in Boulder County

Message Body:

Dear Commissioners,

I support the responsible and sustainable use of our Open Space Land. I also support local food production and our Boulder County farmers.

I believe that we should allow a diversity of farming practices in Boulder County. It is vital that we continue to permit our family farmers (many of whom have been farming on the same land for generations) to utilize modern agricultural practices, including the planting of genetically engineered seed and the responsible use of pesticides. These practices help farmers retain topsoil and reduce erosion, conserve water in multiple ways, reduce emissions, protect pollinators, and protect natural resources by using farmland more efficiently.

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Sincerely,  
Rita Young

From: Birdsall Young <wordpress@faircolorado.org>  
Sent: Wednesday, February 24, 2016 7:55 PM  
To: Boulder County Cropland Policy  
Subject: Support for Modern Agriculture in Boulder County

Follow Up Flag: Follow up  
Flag Status: Completed

From: Birdsall Young <r54young@yahoo.com>  
Subject: Support for Modern Agriculture in Boulder County

Message Body:  
Dear Commissioners,

Email Comments through 2 p.m. Feb. 26

I support the responsible and sustainable use of our Open Space Land. I also support local food production and our Boulder County farmers.

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Sincerely,  
Birdsall Young

From: Amanda Callender <amandacall22@hotmail.com>  
Sent: Wednesday, February 24, 2016 8:01 PM  
To: Boulder County Cropland Policy  
Subject: Support for local farmers

Follow Up Flag: Follow up  
Flag Status: Completed

Dear County Commissioners,

I am a resident of Boulder County, and I support the success of our local farmers. I also recognize that we have a wide diversity of farms and farming practices in our County, and I support that coexistence.

The organic and conventional farmers have joined together to ask that you focus on policies that would truly benefit local agriculture. I ask you to listen to them, and to continue to allow our farmers to grow food in safe and sustainable ways (which includes GMO seeds and responsible pesticide use). Please make evidence-based policy decisions, and use the County's resources to support all of our farmers.

Sincerely,

Amanda Callender

---

From: Daniel Kidd <wordpress@faircolorado.org>  
Sent: Wednesday, February 24, 2016 9:39 PM  
To: Boulder County Cropland Policy  
Subject: Support for Modern Agriculture in Boulder County

Follow Up Flag: Follow up  
Flag Status: Completed

From: Daniel Kidd <dtkidd11@gmail.com>



Email Comments through 2 p.m. Feb. 26

Subject: Support for Modern Agriculture in Boulder County

Message Body:

Dear Commissioners,

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Sincerely,  
Daniel Kidd

From: Ken and Vickey Resner <ken-vickey@msn.com>  
Sent: Thursday, February 25, 2016 5:16 AM  
To: Boulder County Cropland Policy  
Subject: I support the success of our local farmers

Follow Up Flag: Follow up  
Flag Status: Completed

Dear County Commissioners,

I am a resident of Boulder County, and I support the success of our local farmers. I also recognize that we have a wide diversity of farms and farming practices in our County, and I support that coexistence.

The organic and conventional farmers have joined together to ask that you focus on policies that would truly benefit local agriculture. I ask you to listen to them, and to continue to allow our farmers to grow food in safe and sustainable ways (which includes GMO seeds and responsible pesticide use). Please make evidence-based policy decisions, and use the County's resources to support all of our farmers.

Sincerely,  
Vickey and Ken Resner

From: Sandy Cummings <wordpress@faircolorado.org>  
Sent: Thursday, February 25, 2016 7:56 AM  
To: Boulder County Cropland Policy  
Subject: Support for Modern Agriculture in Boulder County

Follow Up Flag: Follow up  
Flag Status: Completed

From: Sandy Cummings <scummingsut@yahoo.com>  
Subject: Support for Modern Agriculture in Boulder County

Message Body:

Dear Commissioners,

I support the responsible and sustainable use of our Open Space Land. I also support local food production and our Boulder County farmers.

Email Comments through 2 p.m. Feb. 26

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Sincerely,  
Sandy Cummings

From: Ellie Libby <coladyusa@gmail.com>  
Sent: Thursday, February 25, 2016 8:28 AM  
To: Boulder County Board of Commissioners; kriegerd@dailycamera.com; Times Call -Sonia <info@gmofreeboulder.com>; jrounds@bouldercouny.org; editorial@boulderweekly.com  
Cc: Gail Massy; Family Tree  
Subject: Cropland Policy Meeting of February 29th  
Attachments: GMO's Banned - Why Not Here.jpg

Follow Up Flag: Follow up  
Flag Status: Completed

I wish to request information on what happened to the previous decision on this subject.

Boulder Residents, County Officials Say "No" to GMOs

Boulder's Parks and Open Space Advisory Committee voted 5-4 in support of the Food and Agriculture Policy Council's recommendation to phase out the planting of GM crops on the county's open space.

Currently, about 16,000 acres of county-owned land are planted with genetically engineered corn; the new rule will mean these crops will be transitioned out in favor of traditional GMO-free farming practices.

The area has been a hot-spot for GMO <<http://gmo.mercola.com/>> debate since 2009, when local farmers wanted to plant genetically engineered sugar beets in the county.

Following public outcry, County commissioners delayed the farmers' request. Since then, a local survey showed that 56 percent of Boulder County residents supported a ban on GM crops, and now their voices have been heard.1  
<[http://articles.mercola.com/sites/articles/archive/2012/02/07/colorado-bans-gmo-crops.aspx#\\_edn1](http://articles.mercola.com/sites/articles/archive/2012/02/07/colorado-bans-gmo-crops.aspx#_edn1)> As reported by the Boulder Daily Camera2  
<[http://articles.mercola.com/sites/articles/archive/2012/02/07/colorado-bans-gmo-crops.aspx#\\_edn2](http://articles.mercola.com/sites/articles/archive/2012/02/07/colorado-bans-gmo-crops.aspx#_edn2)> , Parks and Open Space Advisory Committee member John Nibarger said:

"There's the voters' side of this, and there's the farmers' side of this ... I think we heard rather strongly ... (that a lot of voters) don't want to see GM crops."

SOURCE:

Email Comments through 2 p.m. Feb. 26

<<http://articles.mercola.com/sites/articles/archive/2012/02/07/colorado-bans-gmo-crops.aspx>>  
<http://articles.mercola.com/sites/articles/archive/2012/02/07/colorado-bans-gmo-crops.aspx>

Was this decision reversed somewhere along the way? When? By Whom? Why? Have the people of Boulder County changed their minds? What is the current status of this decision and where can I locate the detailed information on this? Thank you.

Americans Already Eating GM Foods, While Other Countries Have Banned Them

Intense Lobbying Efforts Aim to Keep Americans in the Dark about GM Foods

I feel strongly that Boulder County elected officials have a duty and an obligation to uphold the will of the people.

I also feel that the issue at hand should not be growing GMO crops on County land, which belongs to the people of Boulder County. We should be BANNING these GMO's from our environment as so many other ecologically and health minded people of the world have already done.

Our elected officials MUST begin considering the ramifications of GMO's on the PEOPLE, their health and their environment rather than the benefits of GMO to Monsanto and others who profit from the detrimental effects of this invasive process.

--

?Elsie ?  
Li bby  
?Longmont, CO  
80501?

720 334-6551

=====

Support American-Made Products & Services

I believe in "Buy American." Did you know that if every citizen purchased just \$3 in "American Made products" in one years time that it would put 10,000 people to work? That's in a year, not monthly. Just think what we could do if we all did our part on a monthly basis. JOIN FREE:

<http://www.ibuyusmade.com> <<http://www.ibuyusmade.com/>>  
<http://www.onlybuyamerican.com/>  
FREE Retail E-Guide: <http://www.howtobuyamerican.com>  
<<http://www.howtobuyamerican.com/>>

From: Vanessa Worden/Worden Farms <[wordpress@faircolorado.org](mailto:wordpress@faircolorado.org)>  
Sent: Thursday, February 25, 2016 9:37 AM  
To: Boulder County Crop and Policy  
Subject: Support for Modern Agriculture in Boulder County

Follow Up Flag: Follow up

Email Comments through 2 p.m. Feb. 26

Flag Status: Completed

From: Vanessa Worden/Worden Farms <vanworden575@gmail.com>  
Subject: Support for Modern Agriculture in Boulder County

Message Body:

Dear Commissioners,  
I support the responsible and sustainable use of our Open Space Land. I also support local food production and our Boulder County farmers.

I believe that we should allow a diversity of farming practices in Boulder County. It is vital that we continue to permit our family farmers (many of whom have been farming on the same land for generations) to utilize modern agricultural practices, including the planting of genetically engineered seed and the responsible use of pesticides. These practices help farmers retain topsoil and reduce erosion, conserve water in multiple ways, reduce emissions, protect pollinators, and protect natural resources by using farmland more efficiently.

We need to take a comprehensive approach to food production in our county and ensure that all science-based sustainable farming methods remain on the table. As a community, we can support coexistence and collaboration among all of our wonderful farmers. I ask that you continue to allow modern agricultural practices – including the planting of GMO seeds and the use of pesticides – when evaluating Cropland Policy for Boulder County.

Sincerely,  
Vanessa Worden/Worden Farms

From: Debbie Eubanks <d.eubanks@comcast.net>  
Sent: Thursday, February 25, 2016 10:03 AM  
To: Boulder County Cropland Policy  
Subject: Input cropland policy

Follow Up Flag: Follow up  
Flag Status: Completed

To Whom it May Concern:

My son Sam grows organic hops on our ranch. I support the current Cropland Policy, which permits all approved types of farming on open space leased to farmers. We coexist well with other farmers in the county, without problems.  
If it ain't broke, don't fix it.

Sincerely,  
Randy Eubanks

From: Joyce Kugeler <hank@cybox.com>  
Sent: Thursday, February 25, 2016 10:39 AM  
To: Boulder County Cropland Policy  
Subject: Support for farmers in Boulder County

Follow Up Flag: Follow up  
Flag Status: Completed

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Dear County Commissioners,

I am a resident of Boulder County, and I support the success of our local farmers. I also recognize that we have a wide diversity of farms and farming practices in our

Email Comments through 2 p.m. Feb. 26  
County, and I support that coexistence.

The organic and conventional farmers have joined together to ask that you focus on policies that would truly benefit local agriculture. I ask you to listen to them, and to continue to allow our farmers to grow food in safe and sustainable ways (which includes GMO seeds and responsible pesticide use). Please make evidence-based policy decisions, and use the County's resources to support all of our farmers.

Thank you so much for your help with this.

Sincerely,

Joyce Kugeler

From: Donald Wilkerson <Donald.Wilkerson@colorado.edu>  
Sent: Thursday, February 25, 2016 11:03 PM  
To: Boulder County Board of Commissioners  
Subject: Cropland Policy and Relevant Materials  
Attachments: Note to County Commissioners re GM crops 2016.docx; ATT00001.htm; Marsden Farm Study PLoS One Paper.pdf; ATT00002.htm; Marsden Farm Experiment--Diversifying Crop Rotation.pdf; ATT00003.htm

Follow Up Flag: Follow up  
Flag Status: Completed

Dear Commissioner Domenico:

I am sending a follow-up email to a posting I made on the county's web page regarding the upcoming hearing on the revision of Boulder County's cropland policy.

I teach a multi-disciplinary course for the CU College of Engineering on the Ethics of Genetic Engineering (HUEN 3843). I wanted to be sure that my posting get's read, as it might introduce some information that is new to the debate.

I address this email to you because I live in your district (in Gunbarrel) and you are the one commissioner whom I presume supports the current policy on GM crops in open space. I hope that the other commissioners will read my post as well.

Please find attached: my commentary to council, two supporting documents on the Marsden Farm Project and links to two blog entries by Agricultural Scientist and former CSU faculty Steve Savage. There is a lot more I could say on the subject, but for now, I will let my 499 word statement speak for itself. In a nutshell, it argues that the Organic vs GMO debate is a red herring that distracts us from more relevant approaches to sustainable agriculture.

Good luck on Monday. I don't envy you regarding the ideological storm you are about to enter.

Don Wilkerson  
6067 Brandywine Ct, Boulder, CO  
303-444-3974

From: Jannatpour, Vivienne  
Sent: Friday, February 26, 2016 9:09 AM  
To: Halpin, Barbara  
Subject: FW: Boulder County Contact Us/Feedback Form [#24]

Follow Up Flag: Follow up  
Flag Status: Completed

This came to POSinfo.

Email Comments through 2 p.m. Feb. 26

Vivienne

X6277

From: Wufoo [mailto:no-reply@wufoo.com]  
Sent: Friday, February 26, 2016 9:08 AM  
To: Boulder County POS Info  
Subject: Boulder County Contact Us/Feedback Form [#24]

Name \*

Mary Wright

Email \*

sandypoint@aol.com

Phone Number (optional)

(303) 506-2857

Select a Subject \*

Parks and Open Space

Comments \*

I wish to submit a comment re upcoming discussion of cropland policy with discussion occurring this Monday evening 2/29/16. I strongly support the continued expansion of organic farming on open space as well as the continued phasing out use of GMOS on open space. Boulder County can lead this sort of change because the use of pesticides inherent to GMO farming methods is harmful to the environment WHEREAS Organic farming supports and increases biodiversity and also with proper management can lessen carbon footprint. Tilling and mono crop approach robs soil of fertility and decreases precious top soil. Organic farming methods can add to the soil rather than wreck it. The pesticides used might be convenient for farmers but they are poisonous and thus it is stupid to keep endangering soil and water supply for all living creatures. As Christopher Sassano has more eloquently stated: "With glyphosate now scientifically considered a carcinogen it does not seem like a good idea to add this to our lands, water run off, streams etc. And as a bee keeper with a 60 percent death rate, every year, I am finding it frustrating to continue to keep my small collection of hives. With EPA's report last week of the direct link between pesticides and bee death, I would also opt for a pesticide free policy. After all, organic farming has proven to be more effective than GMO chemical fertilizer farming without the detrimental environmental side effects." WHY GMOS except that people are "invested".

Please check box below \*

I acknowledge receipt of the Open Records Notification

Email Comments through 2 p.m. Feb. 26

From: Jannatpour, Vivienne  
Sent: Friday, February 26, 2016 9:27 AM  
To: Halpin, Barbara  
Subject: FW: GE crops

Follow Up Flag: Follow up  
Flag Status: Completed

Vivienne  
X6277

-----Original Message-----

From: Ury Residence [mailto:ury.files@gmail.com]  
Sent: Friday, February 26, 2016 9:23 AM  
To: Boulder County POS Info  
Subject: GE crops

Dear Sir or Madam

We would like to express our strong opposition to the Roundup ready crops on Boulder County Open Space. We understand that it is a complicated subject, but dumping chemicals on our land is not what we have come to love about Boulder.

Boulderites are a people that care about our health and our children's future. Poisoning our land with carcinogenic glyphosphate, which in turn poisons us, is not a solution to anything but filling an individual's pocket at the expense of the whole. It is not acceptable in any shape or form.

Please let it be known that we as a family and residents of Boulder County STRONGLY OPPOSE GE/GMO crops on public land in Boulder County.

William Ury  
Lizanne Ury  
Gabi Ury  
700 Utica Ave  
Boulder, Co 80304

From: Jannatpour, Vivienne  
Sent: Friday, February 26, 2016 9:27 AM  
To: Halpin, Barbara  
Subject: FW: GE crops on open space

Follow Up Flag: Follow up  
Flag Status: Completed

Vivienne  
X6277

-----Original Message-----

From: Jody Ash [mailto:chefjodyash@gmail.com]  
Sent: Friday, February 26, 2016 9:20 AM  
To: Boulder County POS Info  
Subject: GE crops on open space

Dear Sirs/Madames

Email Comments through 2 p.m. Feb. 26

We would like to express my strong opposition to the Roundup ready crops on Boulder County Open Space. We understand that it is a complicated subject, but dumping chemicals on our land is not what Boulder is about.

We are a people that care about our health and our children's future. Poisoning our land with carcinogenic glyphosphate, which in turn poisons us, is not a solution to anything but filling an individuals pocket at the expense of the whole. It is not acceptable in any shape or form.

Please let it be known that we as a family and residents of Boulder County STRONGLY OPPOSE GE/GMO crops on public land in Boulder County.

Jody Ash  
Chante Ash  
1137 Front Street  
Louisville, CO 80027

Jerri ca Ash  
Shaun and Rebel Bi shop  
116 S. Carter Court  
Louisville, CO 80027  
From: Kimberl y Bixel <ki mbi xel@gmai l . com>  
Sent: Friday, February 26, 2016 10:18 AM  
To: Boulder County Board of Commi ssi oners  
Subject: BAN GMOs ON OPEN SPACE

Follow Up Flag: Follow up  
Flag Status: Completed

Dear Commi ssi oners,

I am writing to urge you to hold true to the desire of the majority of citizens of Boulder whom you represent and the campaign promises you made. I urge you to hold true to common sense and learn from the rest of the developed world in opposing unnessecary GMO food crops, products and detrimental farming methods. How blessed we are that we are not a destitute country in desperate need to feed our starving masses - MUCH to the contrary, we have choices! And we are so blessed to be able to make wise choices based on lots of research and knowledge to the real and unknown dangers of GMO crops. We have alternatives! Let's PLEASE choose wisely and chose alternatives to GMOs on our PUBLIC lands to the benefit of us all today and our generations tomorrow.

Thank you,  
Ki m Bixel  
303-717-6222  
From: Shakuhachi Summer Camp of the Rockies <shakudavi d@gmai l . com>  
Sent: Friday, February 26, 2016 10:26 AM  
To: Boulder County Board of Commi ssi oners  
Subject: Please view the pics and genuflect: Bzzzzzz, from bee safe davi d

Follow Up Flag: Follow up  
Flag Status: Completed

Dear Elise, Cindy and Deb,  
I know this is a crazy busy time, so here is Eye-candy and Brain-candy.  
Please enjoy and consider!  
Cheers,  
bee safe davi d

=== Davi d Wheel er, Kansuke II ===  
Musi ci an (Shakuhachi) + Musi col ogi st  
3660 Buckeye Ct., Boulder, CO 80304 USA  
shakucamp@gmai l . com



Email Comments through 2 p.m. Feb. 26

Cell: 720-545-5595

From: Bonnie Sundance <bonniesundance@gmail.com>  
Sent: Friday, February 26, 2016 1:16 PM  
To: Boulder County Board of Commissioners  
Subject: GMO

Follow Up Flag: Follow up  
Flag Status: Completed

Dear Cindy, Deb and Elise,

I am opposed to the presence of GMO crops in Boulder County.

There are many wonderful organic farms in this County supplying a great deal of food to us.

They should be protected from GMO crops.

I also dislike the set up that requires GMO crops to be sprayed with pesticides.

I won't purchase GMO food.

Please vote against any allowance of GMO crops on Boulder County lands including open space.

Thank you,

Bonnie Sundance

2300 Ridge Rd.

Nederland, CO 80466

BonnieSundance@gmail.com