

U.S. DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION
(APHIS)

Event H7-1, Roundup Ready Sugar Beet Draft
Environmental Impact Statement
Public Meetings

Thursday, November 17, 2011
4:00 p.m. - 7:00 p.m.
Oregon State University
LaSells Stewart Center
Construction and Engineering Hall
875 Southwest 26th Street
Corvallis, Oregon

Taken by: Kimberly McLain

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2	<p>1 PROCEEDINGS</p> <p>2 MR. GEORGE: If we could get started, please.</p> <p>3 Thank you all for being here today. As part of a</p> <p>4 public participation process, we are holding this</p> <p>5 public meeting to solicit your comments on the draft</p> <p>6 environmental impact statement for H7-1 sugar beets,</p> <p>7 also known as Roundup Ready sugar beets.</p> <p>8 My name is Dick George and I'm Communications</p> <p>9 Branch Chief at Biotechnology Regulatory Services, a</p> <p>10 part of APHIS, the Animal, Plant and Health Inspection</p> <p>11 Service, which in turn is a part of the U.S.D.A.</p> <p>12 Soliciting public comments is a very important part of</p> <p>13 our process. We value your input and we are very glad</p> <p>14 and grateful that you've taken the trouble to come here</p> <p>15 today and be a part of our process.</p> <p>16 Also with me are Rebecca Stankiewicz-Gabel,</p> <p>17 Senior Environmental Protection Specialist. Rebecca's</p> <p>18 been working on the microphone over on the side. And</p> <p>19 Neil Hoffman, Science Advisor to the Office of the</p> <p>20 Deputy Administrator. Neil is the person who signed</p> <p>21 you in at the table outside and I think he's still out</p> <p>22 there. Neil worked with our project managers on this</p> <p>23 environmental impact statement on Roundup Ready sugar</p> <p>24 beets. Information Officer Larry Hawkins is also with</p> <p>25 us.</p>	4
3	<p>1 written comment.</p> <p>2 This concludes our introduction. We'll now</p> <p>3 begin to take your comments.</p> <p>4 Our first commentor is Charles Melberg.</p> <p>5 MR. MELBERG: My name is Charles Melberg.</p> <p>6 That's C-h-a-r-l-e-s, Melberg, M-e-l-b-e-r-g.</p> <p>7 I'm from Hector, Minnesota. I'm a life-long</p> <p>8 sugar beet grower and a major shareholder at our</p> <p>9 Southern Minnesota Sugar Beet Cooperative. I'm</p> <p>10 currently on the board of directors and sit on the seed</p> <p>11 committee of the co-op. I'm a second generation sugar</p> <p>12 beet grower. I have a farming partnership with my wife</p> <p>13 and two sons and their families. We have grown Roundup</p> <p>14 Ready sugar beets since they were made available to us.</p> <p>15 I am currently in line for a quality yield that's</p> <p>16 steadily increased than in the past when we planted</p> <p>17 conventional seeds. We fully support Alternative 2 in</p> <p>18 EIS which is a full deregulation of Roundup Ready sugar</p> <p>19 beets.</p> <p>20 We continue to need scientific research to</p> <p>21 produce the highest yielding of quality sugar with the</p> <p>22 least harm to the environment. It is important to be</p> <p>23 able to produce sugar at a cost that makes it</p> <p>24 competitive in the world market for generations to come</p> <p>25 to our family farm. If we are forced to use only</p>	5

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6	<p>1 conventional seed in 2011, the family farms in our 2 cooperative would not have been able to harvest about 3 60 percent of our sugar beets which is approximately 4 69,000 acres. Because of the cool, wet weather in the 5 spring and the hot summers, with conventional seeds we 6 would not have been able to control the weeds and 7 diseases because of cool wet springs. There were not 8 enough dry days to spray industrial herbicide at the 9 correct timing.</p> <p>10 The application time frame for industrial 11 herbicides is very tight and in order to kill the weeds 12 and we certainly do not want to apply herbicides before 13 a threatening rain storm. The yields on our farm since 14 the advent of Roundup Ready sugar beets are 15 to 20 15 percent greater. So we need fewer acres to produce our 16 crops which means there are less sugar beet acres being 17 covered by herbicides and the extra acres are being 18 freed up from Roundup Ready sugar beets that can be 19 used to plant other crops to feed the world.</p> <p>20 I'm on the seed committee of the Southern 21 Minnesota Sugar Beet Cooperative and we have very 22 strict standards for both seed qualities and because we 23 have no other source of sugar beets to operate our 24 factories. We closely evaluate varieties through a 25 number of factors such as disease, resistance, sugar</p>	8
7	<p>1 content yield. It takes several years for us to find a 2 variety with the desired traits and make commercial 3 quantities available to our growers. We need the seed 4 company each year to evaluate if we are not making our 5 goals. We have not had any issues of red beets, Swiss 6 chard in our commercial seeds, even with isolation 7 distances in the Willamette Valley at 1.5 miles. This 8 is a strict standard in isolation distances of three or 9 four miles is totally well beyond whatever is needed 10 for or employed by other seed producers.</p> <p>11 With respect to weed resistant issues, our 12 co-op and all of our members have gone through the 13 training for the compliance agreement. In our crop 14 rotation, we have different chemicals, for example, so 15 we do not have weed resistance in that crop. In the 16 area where we live in central Minnesota, we have very 17 harsh winters with temperatures at minus 40 degrees 18 below 0. There is no chance of any seed or sugar beet 19 surviving that winter. Sometimes it's hard for man to 20 survive the winters. You do not have any potential to 21 see a wild beet in Minnesota and no cross pollination 22 of sugar beets.</p> <p>23 We very much appreciate all the time people 24 have spent to keep this excellent technology of Roundup 25 Ready sugar beets available to us. We need this</p>	9
6	<p>1 technology and science to be able to compete in the 2 world sugar production and assure that my three 3 grandsons will be able to continue the practices we 4 have established in the past. On behalf of my family 5 and my fellow producers, please choose Alternative 2 in 6 the EIS and deregulate Roundup Ready sugar beets. 7 Thank you.</p> <p>8 MR. GEORGE: Thank you. 9 Paul Stieber.</p> <p>10 MR. STIEBER: Hello, my name is Paul Stieber, 11 P-a-u-l, S-t-i-e-b-e-r. I'm a third generation farmer 12 in Big Horn County, Montana. I have grown sugar beets 13 for 32 years, ten of those being for the farmer owned 14 Western Sugar Cooperative. I have been a director on a 15 local grower association for eight years, presently 16 serving as president. I also serve on the seed 17 committee. My 20-year-old son and I grow sugar beets, 18 winter wheat, and malt barley to maintain the three- 19 year rotation in our sugar beets. This rotation 20 prevents Roundup Ready resistant weeds. I have grown 21 100 percent Roundup Ready sugar beets since they were 22 first available in 2008. We currently grow Roundup 23 Ready sugar beets under a compliance agreement between 24 APHIS and the Western Sugar Cooperative. 25 There are many benefits to Roundup Ready</p>	8
7	<p>1 sugar beets and these are major benefits to the 2 environment, growers along with their employees, the 3 crop and the consumer. Roundup is a very safe 4 herbicide to the environment, the handler and the crop. 5 In the past with conventional sugar beets, we tank 6 mixed as many as four different herbicides that were 7 more toxic with less weed control and a lot of 8 situations requiring expensive hand labor that was hard 9 to acquire. Roundup has a flexible application window 10 with superior weed control resulting in increased 11 yields and does not require cultivation, so we are 12 creating fewer emissions.</p> <p>13 The partial deregulation and compliance 14 agreements did not change the way we farm because good 15 stewardship practices like crop rotation and weed 16 control have always contributed to higher yields. My 17 technology use agreement with Monsanto also requires 18 certain stewardship requirements like the removal of 19 bolters and correct application rates of Roundup 20 herbicide. If we were to lose this technology, it 21 would increase our operating costs and make us less 22 competitive in the global market where some countries 23 are heavily subsidized. We would also lose young 24 producers who would move to other professions because 25 of the complicated, ineffective practice of</p>	9

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10	<p>1 conventional sugar beets.</p> <p>2 As a seed committee member, we have always</p> <p>3 required quality seed with disease and pest resistance</p> <p>4 with high yield levels, also, variety purity without</p> <p>5 the presence of bolters is a strict requirement. All</p> <p>6 of these rules and requirements were around long before</p> <p>7 Roundup Ready sugar beets were ever developed.</p> <p>8 To address seed production in the Willamette</p> <p>9 Valley, seed production for sugar beets Swiss chard and</p> <p>10 table beets have been grown successfully for years in</p> <p>11 the Willamette Valley because of field separation</p> <p>12 guidelines. There are no risks of cross pollination</p> <p>13 for Roundup Ready sugar beets in my growing area</p> <p>14 because table beets and Swiss chard are not grown</p> <p>15 there.</p> <p>16 This decision affects over 940 Western Sugar</p> <p>17 Cooperative growers producing 128,000 acres of sugar</p> <p>18 beets. With these facts, we fully support Alternative</p> <p>19 2, full deregulation of Roundup Ready sugar beets.</p> <p>20 Thank you.</p> <p>21 MR. GEORGE: Thank you.</p> <p>22 Clay Crumbaugh.</p> <p>23 MR. CRUMBAUGH: Good afternoon, ladies and</p> <p>24 gentleman. My name is Clay Crumbaugh, C-l-a-y, C-r-u-</p> <p>25 m-b-a-u-g-h. I am the Chairman of the Michigan Sugar</p>	12
11	<p>1 Company Seed Committee. I'm the Treasurer of the</p> <p>2 Michigan Sugar Company West District Board. I have</p> <p>3 been on the seed committee in Michigan since 1996 and</p> <p>4 have been chairman of the committee since 2005. My</p> <p>5 family and I have a cash crop farm in the geographic</p> <p>6 center of the lower peninsula of Michigan where we</p> <p>7 annually raise 900 acres of sugar beets along with</p> <p>8 other crops. I have raised Roundup Ready sugar beets</p> <p>9 on my farm since 2008 and have had no issues using the</p> <p>10 technology.</p> <p>11 In 2011, I raised my sugar beets under</p> <p>12 compliance agreements between Michigan Sugar Company</p> <p>13 and USDA APHIS. Michigan Sugar Company is comprised of</p> <p>14 1,000 grower-owners who raise 160,000 acres of sugar</p> <p>15 beets annually and employ 2,000 seasonal and full-time</p> <p>16 employees. Michigan Sugar Company has a one-half</p> <p>17 billion dollar direct economic impact on our economy in</p> <p>18 Michigan.</p> <p>19 High quality seed is very important to</p> <p>20 Michigan Sugar Company and the grower-owners. We have</p> <p>21 always received high quality seed from the Willamette</p> <p>22 Valley. This is measured in Michigan by subjecting</p> <p>23 varieties submitted by suppliers to testing standards</p> <p>24 set by the Michigan Sugar Company seed committee.</p> <p>25 These standards measure a variety's production</p>	13

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14	<p>1 grew up on family farms just like I did. We have 2 received training in weed resistance management. We 3 are certified pesticide applicators and Michigan Sugar 4 Company growers have received training from Michigan 5 Sugar Company to ensure compliance with USDA-APHIS 6 requirements for producing Roundup Ready sugar beets. 7 Partial deregulation would not cause a significant 8 change in farming operations, only more reporting to 9 Michigan Sugar Company. 10 Sustainable agriculture is important to me. 11 Like most farmers, I take a long-term view of all 12 issues affecting agriculture. I am making a career of 13 farming as did my forefathers and my two sons are 14 planning to return to the family farm after college 15 graduation. 16 Cross pollination is not an issue in Michigan 17 because while sugar beets are a biennial seed crop, 18 they are an annual sugar crop. There is no chance of 19 survival of the root crop through a Michigan winter. 20 If a root did survive through the winter and did not 21 produce seed stalk the following summer, there is no 22 chance of cross pollination because there are no 23 compatible crops grown in the region for cross 24 pollination to occur. 25 I urge USDA-APHIS to restore deregulated</p>	16
15	<p>1 status to Roundup Ready sugar beets. I appreciate the 2 arduous task of preparing the Environmental Impact 3 Statement and I thank you for the efforts that you have 4 put forth. I support proposed Alternative 2 granting 5 full deregulation of Roundup Ready sugar beets. 6 MR. GEORGE: Mark Arnold. 7 MR. ARNOLD: Good afternoon, my name is Mark 8 Arnold, M-a-r-k, A-r-n-o-l-d. I'm the Chairman of the 9 Board of Directors Southern Minnesota Beet Sugar 10 Cooperative. Our cooperative is in full support of 11 proposed Alternative 2, full deregulation of Roundup 12 Ready sugar beets. Southern Minnesota Beet Sugar 13 Cooperative was formed in 1972 after a processing plant 14 in Chaska, Minnesota ceased operation. Approximately 15 300 growers invested in the cooperative and built a new 16 factory in Renville, Minnesota. Today, the cooperative 17 has 509 growers, shareholders and plants 120,000 acres 18 of sugar beets each year. Each year our growers 19 purchase approximately 69,000 units of sugar beet seed 20 worth 18 million dollars which directly benefits 21 growers in the Willamette Valley. 22 Ever since the planting of the first sugar 23 beet crop for our cooperative in 1975, the primary 24 source of sugar beets seed has been the Willamette 25 Valley. Mild winters, low disease pressure, dry</p>	17

1 harvest weather, and a world class process makes the
 2 area desirable for growing seed. Our growers have
 3 always demanded and received pure and high quality
 4 sugar beet varieties from the Willamette Valley even
 5 while Swiss chard and table beet production has
 6 occurred in the valley.
 7 Prior to the production of Roundup Ready
 8 seed, conventional seed was grown for decades in
 9 isolation distance here in the Willamette Valley of 1.5
 10 miles, which was very adequate to maintain high quality
 11 seed for the buyers of that seed which is our growers.
 12 When Roundup Ready sugar beet seed production was
 13 introduced, those isolation distances at least doubled
 14 to proactively -- to proactive -- in those isolation
 15 distances. We believe that action was successful. We
 16 also believe the final EIS should better reflect the
 17 proactive stewardship measures taken by our seed
 18 industry to double the isolation distances to make sure
 19 producers of grade of seed species produce pure, high
 20 quality seeds for all their customers.
 21 Planting of sugar beet seed with the Roundup
 22 Ready trait began in Southern Minnesota Beet Sugar
 23 Cooperative in 2008. As more seed became available in
 24 2009, over 90 percent of our crop was planted to
 25 Roundup Ready seed. For the crop years of 2010 and

1 2011, over 88 percent of the seed planted was Roundup
 2 Ready. Weed control has always been a major challenge
 3 for the production of sugar beets. With the use of
 4 Roundup Ready trait, our growers have experienced much
 5 better weed control, reduced cost of production,
 6 increased yields and reduced weed production for future
 7 years.
 8 The use of Roundup Ready sugar beet seed has
 9 given our cooperative growers a tool to be good
 10 stewards to our environment. Growers now apply fewer
 11 and much less toxic herbicides. Make fewer passes
 12 through the fields with their tractors, thereby using
 13 less fuel and lowering emissions. Without the use of
 14 Roundup Ready sugar beets, our cooperative faces the
 15 challenge of growers reducing acreage because of the
 16 lack of weed control higher cost of production and the
 17 option to grow other crops with Roundup Ready traits.
 18 With the use of Roundup Ready sugar beets, the growers
 19 of Southern Minnesota Beet Sugar Cooperative and all
 20 American sugar beet growers, will be able to continue
 21 to provide American consumers with a consistent and
 22 safe supply of sugar.
 23 On behalf of the Southern Minnesota Beet
 24 Sugar Cooperative Board of Directors and all of its
 25 growers and shareholders, I would like to express our

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18	<p>1 appreciation for the hard work reflecting in the Draft 2 Environmental Impact Statement prepared by APHIS. 3 Again, Southern Minnesota Sugar Beet Cooperative is in 4 support of proposed Alternative 2, full deregulation of 5 Roundup Ready sugar beets. Thank you. 6 MR. GEORGE: Thank you. 7 Greg Loberg. 8 MR. LOBERG: Hello everyone. My name is 9 Greg, G-r-e-g, Loberg, L-o-b-e-r-g. I'm the Manager of 10 West Coast Beet Seed Company in Salem, Oregon. We 11 represent a diverse selection of seed growers in the 12 Willamette Valley. Member companies that initiate seed 13 production at West Coast Beet Seed include American 14 Crystal Sugar, Syngenta, Holly Seed and SES VanderHave. 15 West Coast Beet Seed has developed explicit 16 standard operating procedures and grower guidelines 17 intended to minimize or eliminate a movement of pollen 18 among seed fields and inadvertent seed mixing. West 19 Coast Beet Seed has strict protocols to minimize the 20 possibility of accidental mixing of our seed with any 21 other seed. We track seed from the time members 22 provide stock seed continuing through all phases of 23 seed production in field, including delivery of 24 multiple seed to our dedicated seed processing 25 facility. And finally, concluding in shipping</p>	20
19	<p>1 processed seed to members. These procedures include 2 scheduled and ongoing grower and staff training, 3 careful monitoring of seed production during growing 4 season. Prohibiting seed growers from growing other 5 Beta species, cleaning equipment before and after 6 harvest of a sugar beet variety, and monitoring for and 7 eliminating volunteer sugar beets after harvest. 8 I have been in my position since 2007 and 9 have been in the industry for over 31 years. I have 10 worked closely with Willamette Valley Speciality Seed 11 and have been an officer since 2008. Including time in 12 the more distant past, I have worked with the 13 Willamette Valley Specialty Seed Association for about 14 12 years. West Coast Beet Seed is a member of the Seed 15 Association. It was formed in 1980 by companies 16 involved in vegetable, sugar beet and other specialty 17 seeds. With the assistance of Oregon State University, 18 this group was created to promote quality seed 19 production. 20 All commercial companies producing seed in 21 the Willamette Valley are members of the Willamette 22 Valley Specialty Seed Association. New memberships are 23 encouraged and pursued in order to maintain full 24 representation of specialty seed production. One of 25 the major activities of Willamette Valley Association</p>	21
18	<p>1 is to maintain a mapping system where fields are 2 recorded or pinned to ensure adequate isolation 3 distances between genetically compatible crops. The 4 pinning process is not unique to sugar beets or other 5 specialty seeds, having been used in such crops as 6 sunflowers for many years. 7 Isolation distances are agreed to by the 8 members of the Willamette Valley Seed Association. That 9 group provides an opportunity for seed savers to pin 10 crops with the assistance of Willamette Valley 11 Specialty Seed Association member. The Association 12 creates an environment of cooperation by promoting 13 coexistence among farmers growing competitive crops, 14 including those growing biotech sugar beets and those 15 growing non-biotech crops. 16 I know our growers, their businesses, and 17 often their family members. West Coast Beet Seed has 18 worked with them as partners and enjoys relationships 19 with some who are now in their third or even fourth 20 generation of producing seeds for West Coast Beet Seed. 21 Many of our growers are members of the recently formed 22 grower association to promote and preserve specialty 23 seed production and they pay dues to the Specialty Seed 24 Growers of Western Oregon. 25 West Coast Beet Seed Company supports full</p>	20
19	<p>1 deregulation of Roundup Ready sugar beets. Thank you. 2 MR. GEORGE: Thank you. 3 Rodney Hightower. 4 MR. HIGHTOWER: My name is Rodney Hightower, 5 R-o-d-n-e-y, H-i-g-h-t-o-w-e-r. 6 I'm the Vice President of Strome Farms 7 located in Junction City, Oregon. I have served a term 8 as president of both the Oregon Seed Growers League and 9 the Oregon Seed Council. Our farm has been growing 10 various seed crops for more than 70 years on about 750 11 acres. Sugar beet seed has been in our crop rotation 12 for more than 35 years. It is one of our higher-value 13 crops and provides a very good return to us. They are 14 a significant and stable part of our yearly income. If 15 we were not able to grow sugar beet seeds, it would 16 have a strong financial impact on our business. We in 17 the seed production industry understand the roles of 18 cropping history, crop rotations, isolations and field 19 and machinery sanitation plays in producing a 20 genetically pure, clean and quality seed product. Our 21 contract with the beet company requires that we follow 22 very strict production standards. We spend a 23 tremendous amount of time and effort to grow the best 24 crop possible because the market demands that we meet 25 these quality standards.</p>	21

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22	<p>1 There is no market for genetically inferior 2 or contaminated seed. Isolation distances are 3 important to avoid cross pollination. Every seed crop 4 grown in this valley has to deal with this issue and 5 make sure both the growers and seed companies have 6 extensive experience dealing with the various systems 7 that are in place to ensure the Willamette Valley keeps 8 its reputation as a premier seed growing region. 9 Because we also produce other seed crops that 10 have to be free of contamination from weeds and other 11 crops, we go to great effort to control volunteers from 12 previous crops and crops that are currently growing in 13 a given field. This past year was the fourth year that 14 we have grown sugar beet seed with the Roundup Ready 15 gene. In our experience, we have not had any problems 16 controlling volunteer plants. Roundup Ready sugar beet 17 volunteers are easily controlled with tillage in our 18 crop rotation. There are also crops highly susceptible 19 to other herbicide chemistries that we may use if the 20 need arises. I feel that there is very little chance 21 that this crop becoming a weed could not be controlled 22 because it is an annual plant and there are several 23 control measures. 24 I urge the USDA to fully deregulate Roundup 25 Ready sugar beets so that the sugar industry can</p>	24
23	<p>1 and Hearing chairman for the Junction City Lion's Club 2 but most of all a father to one son and six daughters. 3 We have been growing sugar beets on our farm 4 since 1986. Two years ago we raised 120 acres of sugar 5 beets from seed which accounted for 25 percent of our 6 income on only six percent of our land. These numbers 7 share the value of what raising sugar beet seed has 8 offered our farm. This past year, we were limited to 9 only 28 acres due to the regulations of the industry 10 and the lack of good roots available for the same 11 reason. This over-regulation of the sugar beet 12 industry is a burden carried by the growers. We hope 13 this can be relieved through deregulation of the sugar 14 beet industry. 15 I believe the integrated pest management 16 activities undertaken by growers already, along with 17 strict rules imposed by our contracting company, 18 ensures the protection that the regulations duplicate. 19 We are contracted by the Beta-Seed Inc. 20 which has strict, significant stewardship 21 measures that we must adhere to. There are isolation 22 distances imposed. Volunteer control methods either 23 physical or chemical that growers employ within crop 24 rotations. There is also strict limitations between 25 sugar beet seed crops and on seed producers land and a</p>	25

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26	<p>1 sugar ourselves versus to have it imported. At the 2 same time, we can further support the thousands of 3 family farms that grow sugar beets as well as the 4 infrastructure that supports the industry. Thank you. 5 MR. GEORGE: Thank you. 6 Harry MacCormack. 7 MR. MACCORMACK: My name is Harry, H-a-r-r-y, 8 MacCormack, M-a-c-c-o-r-m-a-c-k. I'm a small, organic 9 -- certified organic grower here in the Willamette 10 Valley and I would urge that the sugar beet industry be 11 regulated as all biotechnical seeds should regulated. 12 One of the things that the USDA has to look 13 at when we are certified through USDA, we cannot have 14 any GMO contamination in our products and I do grow 15 beets and I grow chard and there is some evidence here 16 on the valley floor that there has already been 17 crossing. And I think other people will speak to that 18 that know more about that than I do. This is just one 19 of the biotech tools and I'm not particularly against 20 biotechnology. I just think that we need to regulate it 21 and the fact that there was a court case in 1980 that 22 allowed all this seed to be privately owned and 23 therefore impact our personal farms as a result and has 24 throughout court cases. It's not a technology that is 25 -- the impact of it is not a technology that we have</p>	28
27	<p>1 had any choice over. It's come to us and been laid on 2 us and it threatens the whole organic industry. The 3 deregulation of alfalfa is the first thing. Sugar 4 beets are going to be the second, and there's some of 5 us here today that are quite worried about the coming 6 of biotech wheat into the valley. So I would say that 7 the regulations need to stand and that's it. Thank 8 you. 9 MR. GEORGE: Thank you. 10 Carol Mallory-Smith. After Carol we have 11 Camille Hall would be next. 12 MS. MALLORY-SMITH: I'm Carol Mallory-Smith. 13 C-a-r-o-l, M-a-l-l-o-r-y, hyphen, S-m-i-t-h. Some of 14 you in the room know that I'm a professor of Wheat 15 Science at Oregon State University and I want to make 16 it clear that my comments do not represent any opinion 17 but my own and not those of Oregon State University. 18 I'm not here to endorse any of the Alternatives that 19 are being suggested. I would also like to make it 20 clear, in my opinion, that I don't believe that the 21 transgenic sugar beets in question, H7-1, present human 22 health risks. 23 I also believe that transgenic and non- 24 transgenic crops can coexist in the Willamette Valley 25 but that gene movement will occur at some point either</p>	29

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30	<p>1 statement as related to glyphosate resistant weeds that 2 industry and growers are aware of the situation and 3 will likely take proactive measures aimed to reduce and 4 delay the development as glyphosate resistant weeds. 5 This has not occurred in other Roundup Ready products 6 where, for example, glyphosate resistant weeds are now 7 a major issue in, "soybean and cotton Roundup Ready 8 production systems." 9 And in fact, the resistance management 10 strategy provided by one Monsanto data sheet for the 11 ingenuity of Roundup Ready sugar beets, the first three 12 recommendations are an application of glyphosate. 13 Roundup WeatherMax can be applied in a single season up 14 to 5.3 quarts are allowed and the pattern of use will 15 apply tremendous selection pressure to the evolution of 16 resistant weeds and is modifiable resistance management 17 strategy. Glyphosate resistant weeds are an ongoing and 18 increasing production problem. 19 MR. GEORGE: Thank you. Camille Hall, 20 please. Next will be Doug Zielinski. 21 MS. HALL: I'm Camille Hall. C-a-m-i-l-l-e, 22 H-a-l-l. I'm here to speak in support of Alternative 23 1. The Willamette Valley is the heart of an important 24 movement to reduce our independence on fossil fuels and 25 to rebuild an effort for food security which would</p>	32
31	<p>1 minimize the need to transport food necessary to 2 support our population centers. Much of this effort 3 centers around the organic farm movement. 4 MR. GEORGE: Can you get a little closer to 5 the microphone, please. 6 MS. HALL: Organic seeds are an essential 7 part of organic farming. And table beets, Swiss chard 8 and like products play an essential role in crop 9 production and seasonally available food crops to this 10 state and nationwide. What's at stake are farms' 11 livelihoods. Not only commercial organic seed 12 producers, but also the small organic farmer who relies 13 on producing and saving their own seeds. This is a 14 historic moment where Monsanto, with corporate tax 15 breaks, lobbyists and employees working for USDA, are 16 pressing its advantage to expand its market for Roundup 17 Ready -- Roundup herbicides. 18 Approval will lead to the expanded use of 19 their trademarked herbicide, industry relied on, 20 patented Roundup Ready seed. It will also shut down 21 the seed production of organic beets and related greens 22 because many of the best places to grow sugar beet seed 23 are also the best places to grow these organic 24 products. 25 I urge the USDA to adopt Alternative 1. The</p>	33
30	<p>1 sugar beet industry has succeeded and will continue to 2 do so without the use of Roundup Ready seed. There is 3 no compelling reason to approve this petition. 4 Alternatives 2 and 3 will clearly have a significant 5 adverse effect on organic farms and the organic seed 6 industry in Oregon and other areas that grow and rely 7 on organic seeds for crops. 8 MR. GEORGE: Thank you. 9 Doug Zielinski. Next up would be Kerry 10 Bowen. 11 MR. ZIELINSKI: Good evening or afternoon. 12 Doug Zielinski, Z-i-e-l-i-n-s-k-i. I'm the owner of 13 Alpha Nursery in Salem. It's a nursery and farming 14 operation. We are a family business and I am the 15 fourth generation and I have my two sons which are the 16 fifth. Our farm began growing sugar beets in -- back 17 as far as 1949 and have continued to be in production 18 since. Sugar beets are one of the crops that fits in 19 our diverse farming operation. We also produce row 20 crops and corn, beans, onions, wheat and other seeds 21 such as grass and radish. 22 This crop plays an important role in 23 contributing towards the bottom line of our company. 24 Sugar beets when planted during the fall and winter 25 months fit our labor force and equipment crop rotation</p>	33

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34	<p>1 recognizing our isolation distances. For decades now, 2 we have -- have the responsibility to work together and 3 seem to work just fine protecting all species. Farms 4 like mine in the Willamette Valley need to be able 5 to continue to provide the market with the demands 6 including -- which includes sugar beet seed. While 7 many commodity types in crops are inconsistent as far 8 as the supply and demand over the years, specialty 9 crops such as sugar beet seed have been more than 10 consistent in providing our farms with a steady income. 11 I would hate to have this phased out in our family 12 business because of some burdensome and unnecessary 13 regulations Thank you. 14 MR. GEORGE: Thank you. 15 Kerry Bowen and then next up will be Matt 16 Croker. 17 MR. BOWEN: Good afternoon. Kerry Bowen, K- 18 e-r-r-y, B-o-w-e-n. I'm a third generation beet 19 grower. I got my start with the FFA project in the 20 '70s. I currently grow 500 acres of beets, originally 21 for the Amalgamated Sugar Company. Now I grow for the 22 Snake River Sugar Company when the grower bought the 23 company. I also raise wheat, dry beans and alfalfa. 24 I've raised 100 percent of my beets with 25 Roundup technology since 2008. And I still grow them</p>	36	<p>1 ineffective and very costly for growers. 2 Right now, we are operating under the 3 Monsanto agreement which already Monsanto requires 4 certain protocols to be followed and also removes 5 bolters out of our field. For this reason I urge -- 6 strongly urge for a full deregulation. 7 I'm also Chairman of the Snake River Seed 8 Committee, a position I've held for 12 years. As that 9 chairman of that committee, I'm responsible to oversee 10 our official trials, review the data provided by our 11 research committee and to make recommendations to that 12 committee so they can make an informed decisions about 13 the product we are approving. With rhizomania becoming 14 the responsibility of the seed committee to approve 15 varieties that are no longer in the area. As with 16 rhizomania, the seed quality is paramount to the end 17 growers. These requirements include rhizomania 18 resistance, curly top resistance, quality of pounds of 19 sugar per acre and pounds per ton. 20 It's also our responsibility to monitor the 21 beet seeds that come into the area and removes market 22 status from varieties which do not or we don't like, 23 such as bolters and/or chard. Currently, we have 24 varieties of market status this year is poor quality or 25 poor rhizomania existence. For a variety to become</p>
35	<p>1 under a compliance agreement between the Snake River 2 Sugar and the APHIS. I support proposal 2 and really 3 appreciate APHIS for working so hard to continue to 4 allow me to use this tool. I used to have a witches 5 brew of six different chemicals in order to control the 6 weeds in my beet crop. Some of them within 48 hours 7 had retrainables. I called it chemotherapy because I 8 took my crop to the brink of death and then revive it. 9 This is the physical evidence. 10 The Roundup allows me to reduce my tillage 11 and right now I'm heavy into rototilling which leaves a 12 smaller carbon footprint. All these are available to 13 me because of Roundup. When I grow silage corn, I stay 14 away from Roundup on my corn because of a plethora of 15 other chemicals available for weed control, thus, I 16 have less of a chance of Roundup resistant weeds. As 17 with growers, we do our best to be good stewards to the 18 resources we have control over. I was the grower 19 representative at the time rhizomania was found in our 20 valley. I was the third grower to be diagnosed with 21 this virus which led me down the path that brought me 22 here today. When rhizomania was diagnosed in Idaho, 23 the Idaho Department of Ag implemented protocols for 24 weed growers to follow. In a couple years those 25 protocols were abandoned and they were found to be</p>	37	<p>1 official in our trial, it took two years to get a 2 status and our growers are clamoring for better and 3 newer varieties. And to help with being profitable, 4 Roundup makes a tool to assist us in this. Right now, 5 we have over 50 different varieties and because of the 6 competition for better varieties, they don't hang 7 around very long. Five or six years is an old variety 8 and the ones that have been around ten years, that's a 9 grandfather. Compared to wheat, which I've been 10 growing the same variety over 20 years, beets evolve a 11 lot quicker. 12 Thank you for your support and listening to 13 me. 14 MR. GEORGE: Thank you. 15 Matt Croker followed by Bruce Ruddenklau. 16 Matt Croker, please. No? Okay. Then we go to Bruce 17 Ruddenklau. 18 MR. RUDDENKLAU: Bruce Ruddenklau, B-r-u-c-e, 19 R-u-d-d-e-n-k-l-a-u. Good afternoon. My wife Helen 20 and I farm at the Amity area, 50 miles north of here on 21 the west side of the Willamette Valley. We farm around 22 1,000 acres on which we grow grass seed, wheat for 23 certified seed, clover seed, radish seed, metaphone 24 seed, dried peas, sweet corn, and bush beans. We also 25 raise sugar beet seed on contract with West Coast Beet</p>

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38	<p>1 Seed. It was a very lucky break for us to get five 2 acres of beet seed production in 1994, our third year 3 of farming. Since then, we've expanded our operation 4 and so has our beet seed acres and so now we annually 5 raise about 40 to 50 acres of beets. The Willamette 6 Valley is well known for a high quality, consistent 7 production of many seed crops. The purity of these 8 crops is guaranteed by the Oregon State University 9 certification system. We have to adhere to standards 10 of crop rotation, isolation distances and weed 11 tolerances. This is common practice with seed growers 12 in the Willamette Valley.</p> <p>13 For crops not covered by this system, there 14 is stringent protocol in place to decide how -- which 15 crops to be grown where. This protocol has worked well 16 for a number of years and resulted in uncontaminated 17 seed crops of similar types and species being produced 18 within one geographic area. We follow guidelines of 19 isolation distances, rotation schedules, cultivation 20 practices and herbicide use, all for the specific 21 purpose of avoiding cross contamination. This is all 22 especially true for sugar beet seed. In many ways, 23 much of our cropping rotation revolves around the 24 placement of this crop. We plan four to five years out 25 in order to have fields and meet isolation requirements</p>	40
39	<p>1 as well as crop history and herbicide history.</p> <p>2 During the growing season we are careful not 3 to accidentally transfer any pollen or mature seeds out 4 of the field. At harvest time, we have to load our 5 seed into boxes within the field boundary, again, not 6 to let any viable seeds escape. A whole load is 7 thoroughly topped before transport. After harvest, the 8 seeds and husks fall on the ground and are allowed to 9 sprout and then killed before a new crop is planted. 10 We do not plow under any viable seeds which could then 11 sprout later on. The fields are scouted for a few 12 years after beets have been produced to make sure there 13 are no volunteer plants, and if so, they are removed.</p> <p>14 Meeting this requirement is not easy, but the 15 rewards of doing so make it well worth the effort. 16 Sugar beet seed are one of the highest returning crop 17 and in many cases, worth twice as much as wheat, corn 18 or grass seed. It is a very unique crop and the value 19 of it remains consistent regardless of the falling in 20 Wall Street or the fluctuations in the market. Beet 21 seed remains a stable, high-value crop and as husbandry 22 and harvest are done with minimal additional equipment 23 over and above what a typical seed producer would have 24 on hand. There's also a great rotation for grass seed. 25 By allowing us a chance to control the grass we grow by</p>	41

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42	<p>1 MR. GEORGE: John Brice will be followed by 2 Bud Laurent. 3 MR. BRICE: Good afternoon. My name is John 4 Brice, J-o-h-n, B-r-i-c-e. I've been a member of 5 several supply cooperatives and grower cooperatives and 6 the processes over the last 43 years of my professional 7 life. I have -- 8 MR. GEORGE: John, can you just get a little 9 closer to the microphone, please. That's great. 10 Thanks so much. 11 MR. BRICE: I have served on boards of 12 directors for Eugene Farmers Supply Co-op and Agropac. 13 I have grown crops for numerous processors including 14 Beta-Seed. I am a second generation farmer in a family 15 that has operated here for over 60 years. We farm 16 approximately 700 acres and raise wheat, green beans, 17 sweet corn, peppermint, radish seed as well as sugar 18 beet seed. We have been raising sugar beets for at 19 least 35 years. Our operation employs five full-time 20 persons and many seasonal workers. Most of our 21 rotational crops require us to follow up with thorough 22 measures to minimize volunteers going forward and 23 eradicate what few survive these efforts before they 24 mature. Most of our companion crops -- companion crop 25 customers don't want sugar beets growing in their</p>	44	<p>1 about what your agency is about to decide. 2 Because of my background, I appreciate and 3 respect the American tradition of family farming and 4 the strength of this tradition was a large reason of 5 my wife and I choosing to settle here. It takes guts to 6 be a small farmer and there are many examples of gutsy 7 people here in the Willamette Valley. Striving 8 successfully to compete with corporate agriculture by 9 using the tools made at the bedrock of American 10 farmers. Intelligence, commitment, innovation, market 11 demand and sheer hard work. However, the tradition has 12 been under attack for decades now and these family 13 farms are consistently replaced with corporate 14 agribusinesses besides something viable and valuable is 15 being lost to the fabric of America. The impending 16 decision at the heart of this hearing may have little 17 to do to impede that trend should you forbid the use of 18 wholesale Roundup sugar beets in the Willamette Valley, 19 but should you find in favor of further corporatization 20 of the sugar beet industry, you will constitute another 21 nail in the coffin of the American small farmer. 22 I'd like to briefly list a few things that I 23 think we should all be concerned about. First, the 24 affects of imposed isolation zones. In order to 25 protect against genetic cross fertilization caused by</p>
43	<p>1 fields. If we are not allowed to continue to grow 2 sugar beets, Roundup Ready sugar beets, it would have a 3 significant negative financial impact as well as 4 seriously complicating our rotations with other crops. 5 It seems to us that not being able to grow 6 Roundup Ready sugar beets would greatly hinder 7 production of the crop as many of the other chemistries 8 are either unavailable or have lost efficacy. It also 9 seems that permanent regulation is not needed as it is 10 not seem to be -- there does not seem to be any 11 evidence of cross pollination having really been shown 12 to be a problem. Therefore, we support full 13 deregulation of sugar beets. 14 MR. GEORGE: Thank you. 15 Bud Laurent. He will be followed by Katy 16 Stokes. 17 MR. LAURENT: Thank you. My name is Bud 18 Laurent, B-u-d, L-a-u-r-e-n-t. I'm a resident of the 19 Willamette Valley just a few miles from here, about 20 three miles to the east of the Willamette River. My 21 neighborhood is surrounded by, at the moment, grass 22 seed farms which we greatly enjoy. While I was raised 23 in an agricultural family, I am not a farmer. I have 24 no direct economic connection to agriculture. So I 25 appear here today as just an American citizen concerned</p>	45	<p>1 winds, is up to six miles isolation zone, if I'm 2 understanding it correctly, has been recommended under 3 one scenario to provide adequate protection to non-GMO 4 crops from contamination by GMO crops. The corporate 5 sugar beet industry has apparently complained about the 6 size of the zone and it has proposed a reduction to at 7 least a three-mile radius and not farther, thereby 8 further reducing the statistical protection assumed the 9 surrounding agriculture. 10 My questions of you are, is this zone placed 11 only on the sugar beet land in question, and if so, 12 what will the non-sugar beet zone be used for? Have 13 you counted the total isolation zones for the 14 Willamette Valley and what the impact on agriculture 15 in the regional economy will be? Or will some or all 16 of this zone be in place on neighboring properties 17 thereby leading to loss of use by farmers operating 18 under or relying on organic guidelines. If the latter 19 is true to any extent, are you not concerned about the 20 impact of the unrelying, unAmericanism of this 21 monopoly practice and the defamation of life, liberty 22 and the pursuit of happiness to every farmer? 23 Another concern, the right of consumers to 24 know what kind of food they're eating. America's sugar 25 beets are strictly grown, as I understand, for the U.S.</p>

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<p style="text-align: right;">46</p> <p>1 market and mainly purchased by the Processed Food Can 2 Administration. They are not exported because most 3 foreign markets restrict importation of engineered food 4 products. The American sugar beet lobbyists have 5 vigorously opposed labeling legislation that would 6 require identification of GMO ingredients. All less 7 corporate controlled countries are adopting such 8 legislation.</p> <p>9 This industry resistance can only succeed for 10 so long before American consumers prevail in 11 establishing the right to know what they are putting in 12 their mouths and bodies. When that happens, products 13 made with the American GMO sugar beets will be at a 14 decided competitive disadvantage with the intended 15 destructive consequences to the Willamette Valley 16 agricultural economy. Had you included this in your 17 deliberated thinking? Are you fully prepared to let 18 the genie out of the bottle?</p> <p>19 Third, the impacts of the increased use of 20 Roundup. There's increasing evidence that the use of 21 Roundup has undesirable side effects on wildlife, 22 positive in the surfactant carriers rather than the 23 glyphosate itself. There is also growing body of 24 research on the adaptability of target wheat species 25 and developing resistance to Roundup. It's not</p>	<p style="text-align: right;">48</p> <p>1 chooses to eat.</p> <p>2 I can only hope and pray that this agency 3 will prove the skeptics wrong by coming to the decision 4 that favor small farmers over corporations and a long 5 view over the short term. Thank you.</p> <p>6 MR. GEORGE: Katy Stokes is next. She'll be 7 followed by Sabrina Siegel.</p> <p>8 MS. STOKES: Hello, I'm Katy Stokes. K-a-t-y, 9 S-t-o-k-e-s. Okay. It's unusual for me to come and 10 speak in public and I'm here to say that I encourage 11 stronger regulations in the sugar beet industry. I 12 think that everyone here is sincere in believing that 13 they will do the best job they can. Accidents happen 14 and this is such a wonderful growing area. I've lived 15 in Benton County for 40 years. I'm a small farmer and 16 a seed grower myself. If the accident happens, it can't 17 be turned around. To have contamination of the GMO's 18 that this valley is already producing is very, very 19 dangerous and I feel very nervous about it.</p> <p>20 It's also a historic time not just for 21 agriculture but also in our country, economically, 22 people are saying no to big corporations and saying 23 that money is not the most important thing. The 24 economy is not the most important thing and the bigger 25 corporations set a lot of rules. Monsanto has not been</p>
<p style="text-align: right;">47</p> <p>1 difficult to imagine what the result of an increasing 2 reliance on herbicides like Roundup will be to the 3 development of Frankenweeds as an unintended 4 consequence. If you want corollary evidence in another 5 arena, look no further than the overuse of antibiotics 6 in whole human and agricultural applications.</p> <p>7 My final concern, for now, is that this 8 hearing has been advertised as being already decided. 9 A slam dunk for the sugar beet industry and that the 10 decision from this hearing will be a decision made 11 years ago except for the convenience of the U.S. 12 District Court decision calling on the 13 Department of Agriculture to reconsider its 14 approval of GMO products. Your agency should know as 15 well as anybody in this room, we all read the same 16 papers after all, that the trust of the American public 17 in its government is at an all-time low. One of the 18 primary reasons for this is that Americans, from tea 19 partiers to occupiers, feel as though their basic 20 efforts have been abandoned by those who represent them 21 and that mega-corporations are taking over the basic 22 decisions of daily life: Earning a livelihood, 23 protecting one's family, enjoying basic health and 24 having the right to make one of the most personal, 25 intimate and fundamental decisions of all, what one</p>	<p style="text-align: right;">49</p> <p>1 very generous in testing whether this food is harmful 2 for us so I think it's also not very democratic. 3 Herbicides even in the nutritious crop, people are 4 saying they can't grow genetically modified sugar 5 beets. They might grow other things. Maybe they would 6 grow local food for Benton County for Oregon. I feel 7 like that would be a much more healthy and wonderful 8 use of our beautiful valley. Thank you.</p> <p>9 MR. GEORGE: Sabrina Siegel followed by Teri 10 Burns.</p> <p>11 MS. SIEGEL: Hello, Sabrina Siegel, S-a-b-r- 12 i-n-a, S-i-e-g-e-l, from GMO-Free Eugene. First of all, 13 I'd just like -- I just want to say what about growing 14 organically and without chemicals and hearing all these 15 chemical nightmare stories, anyway.</p> <p>16 We reject the deregulation of GM sugar beets 17 as well as partial deregulation in the U.S. We don't 18 want GMO sugar beets or any GMO crops. The Willamette 19 Valley is recognized as a major center for seed 20 production around the world and is one of the most 21 agriculturally productive areas in the country. GMO 22 crops threaten this distinction as well as the 23 livelihood of those who work within our agriculture 24 industry. Pollen from GM crops cannot be contained. 25 As such, the farmers of our valley live in constant</p>

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50	<p>1 fear that their livelihoods will be stripped of them by 2 genetic contamination. These farmers support 3 themselves and their families and the local community 4 by producing non-transgenic seeds and crops for a 5 diverse range of customers. Their products become -- if 6 their products become contaminated, they lose those 7 clients who will search elsewhere for -- for these 8 products.</p> <p>9 These farmers were once freely able to 10 provide. Since sugar beets are wind pollinated and 11 easily crossed with vegetable relatives, the prospect 12 of coexistence between GM crops and the conventional 13 crops is a total impossibility. The pollen from beets 14 has been shown to travel upward of 12 miles. Given 15 there is no relative distance that can isolate these 16 crops from conventional crops in the open environment. 17 With the highly concentrated seed and vegetable 18 production found in the Willamette Valley, this becomes 19 even more unrealistic. Due to this, the current USDA 20 requirements of the four or six mile isolation distance 21 between transgenic and conventional beets is not only 22 insufficient, but callow and irresponsible.</p> <p>23 The proposed deregulation is not only a 24 direct threat to the livelihoods of Oregon farmers, but 25 it spells inevitable end of our illustrious</p>	52	<p>1 they can't even produce as much food as convention and 2 organic farming methods. They're a step back in 3 agriculture masked within this misleading rhetoric of 4 the industry sales pitch of presupposed advancement 5 which is based upon no credible scientific data. They 6 are of a financial benefit to these corporations only, 7 to the biotech corporations. While the farmer, the 8 environment, the consumer and all else suffer great 9 loss.</p> <p>10 Every independent explanation of the 11 purported benefits of these products have found them to 12 be lacking in every way. This technology is in the 13 infant stages of development. Its safety has not been 14 tested. Once it is released, it cannot be mitigated. 15 It places a direct threat upon our pre-existing 16 agricultural infrastructure and it presents not a 17 single, independently verified gain for our economic -- 18 for our economy or food security. In addition, it has 19 been shown in --</p> <p>20 MS. STANKIEWICZ-GABEL: Your time is up. 21 MS. SIEGEL -- several peer-viewed studies to 22 be a danger to human and animal health. 23 MR. GEORGE: I'm sorry. Time's up. 24 MS. SIEGEL: It is time that the USDA join 25 the many concerned countries of the world in taking</p>
51	<p>1 livelihoods, illustrious and vibrant commercial and 2 organic farming industry. After all, many of the 3 countries that our state exports food crops to simply 4 do not accept GMO crops, you know, like the Asian 5 countries that we export to.</p> <p>6 In addition to the issue of the threat to our 7 food is -- in addition to the issue of the threat to 8 our food sovereignty, safety and security through this 9 reckless deregulation of GM crops, our concerns raised 10 by the use of glyphosate that is associated with 11 Roundup Ready sugar beets and other GM crops. 12 According to the UDSA's own data, glyphosate usage has 13 increased since the introduction of GM crops in the 14 United States. Its overuse of glyphosate is not only - 15 - not only degrades the quality of our soils and 16 threatens public health in the form of lymphoma and 17 other health dangers, but aids in the creation of 18 highly, herbicide-resistant weeds that are becoming an 19 agricultural epidemic here. These thicker weeds force 20 farmers to pull them by hand or use toxic cocktails of 21 multiple chemicals to eradicate them.</p> <p>22 Deregulation as well as partial deregulation 23 threatens our land and crops for absolutely no 24 reasonable gain. GM crops have not only failed to 25 reach the yields promised by biotechnology firms, but</p>	53	<p>1 responsible and legally accountable action --</p> <p>2 MR. GEORGE: Ms. Siegel, your time is up. 3 MS. SIEGEL: -- and apply the precautionary 4 principle --</p> <p>5 MR. GEORGE: Ms. Siegel, excuse me. 6 MS. SIEGEL: -- to GM products in the U.S. 7 Thank you. I'm sorry. 8 MR. GEORGE: Thank you. 9 MS. SIEGEL: Forgive me. 10 MR. GEORGE: We have to enforce this five- 11 minute rule so that everyone will have an opportunity 12 to speak. We're here to take your public comments as 13 well as show respect for everyone's point of view and 14 we want to make sure that everyone has a chance to make 15 their point.</p> <p>16 Next up is Teri Burns and she'll be followed 17 by John Perdue. 18 MS. BURNS: Hello, Teri Burns, T-e-r-i, B-u- 19 r-n-s. I'm with GMO-Free Eugene. And we greatly 20 oppose the deregulation of genetically modified Roundup 21 Ready sugar beets in the U.S. and specifically, here, 22 in our state of Oregon. 23 The Willamette Valley is recognized as the 24 center of seed production and is known for its organic 25 seed production for the world. GM sugar beets would</p>

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54	<p>1 greatly destroy that recognition for Oregon. 2 Genetically modified sugar beets would threaten 3 Oregon's conventional and organic sugar beets, organic 4 chard and table beet crop as GM sugar beets cross 5 pollinate with related crops. Because GM sugar beets 6 are wind pollinated, contamination of these crops would 7 be inevitable as coexistence between genetically 8 modified crops and natural crops is virtually 9 impossible and we're seeing that already, here, in the 10 Willamette Valley. 11 This would threaten Oregon's 27 million 12 dollar speciality seed industry, specifically our 13 organic seed industry. In addition to the grave 14 economic impact of our market loss on farmers and 15 ultimately our state, as many countries in the world 16 including major importers of sugar beets, require 17 labeling or have bans on genetically modified 18 organisms. 19 In addition to this is the environmental 20 concern of added and excessive chemical spraying 21 associated with genetically modified crops. Again, 22 according to the USDA's own data, glyphosate usage, the 23 main ingredient in Roundup has increased, not decreased 24 since the introduction of GM crops in our country. And 25 with that, has come the creation of super weeds which</p>	56	<p>1 food and we also raise sugar beets. We've been raising 2 sugar beets for 27 years and we've raised sugar beets 3 in the same farm as we raise table beets. One is a 4 weed to the other. We control them. We make sure that 5 they're not in the crops that they're not supposed to 6 be because they become weed to the other crops. 7 Canneries would not accept a sugar beet seed in their 8 crop. Neither would the sugar beet industry want table 9 beet seed in their crop. Sometimes our fears of the 10 unknown are our biggest problems. And we've been 11 genetically modifying seeds for probably 50 years or 12 better. They're called hybrids and because it's done in 13 a test tube and we fear that, we are afraid of it but 14 the truth of the matter is, is that when I was young, 15 by the turn of the century, they told us there wasn't 16 going to be enough food to go around. And because of 17 research from great universities like Oregon State, we 18 have increased our food production and have safer food 19 supply than we've had ever. 20 And so, you know, I urge the USDA to 21 deregulate the regulations they have on GMO products 22 right now, because we've raised sugar beets all these 23 years and never had cross pollination problems. These 24 gentlemen that have talked about the seed qualities and 25 stuff, if they had cross pollinated sugar beets they</p>
55	<p>1 is a growing epidemic here in America. The weeds, with 2 nature's help, have developed a resistance to 3 glyphosate and many GM crop farmers have resulted to 4 pulling these super weeds by hand or having to use 5 cocktails of multiple chemicals. 6 Next, the biotech industry will be 7 introducing even deadlier and more hazardous chemicals 8 to be used with their genetically modified crops such 9 as dicamba and 2, 4-D a major ingredient in Agent 10 Orange. The affects of being exposed to these 11 chemicals include birth defects, an increase in certain 12 cancers, including non-Hodgkins lymphoma and even 13 death. Genetically modified sugar beets or any GM 14 crops are not right for Oregon. They represent, and if 15 allowed, will definitely present negative economic 16 impact, a loss in market share and a direct hit to our 17 farmers and their choice of what they want to grow, our 18 state's resources, our food sovereignty and security, 19 and our basic right to choose what we eat. Thank you. 20 MR. GEORGE: John Perdue and the next speaker 21 will be Bill Mansour. 22 MR. PERDUE: Good afternoon. My name is John 23 Perdue, J-o-h-n, P-e-r-d-u-e. I farm 700 acres here in 24 the Willamette Valley. We raise bush beans, sweet 25 corn, table beets, pumpkin seeds, pumpkins for baby</p>	57	<p>1 would not accept that seed. They have very high and 2 strict standards and as growers we adhere to those 3 strict standards and we keep our equipment clean and we 4 keep our fields clean and I just encourage 5 understanding here that we can all work together in 6 this valley. Thank you. 7 MR. GEORGE: Thank you. 8 Bill Mansour who will be followed by Kristie 9 Steele. 10 MR. MANSOUR: Good afternoon. My name is 11 Bill Mansour. It's spelled like man sour, M-a-n-s-o-u- 12 r. The comments that I'm going to make this afternoon 13 are mine because I'm an emeritus professor, I don't 14 speak for Oregon State University. I believe that the 15 production of 16 Roundup Ready sugar beets for seed should be 17 allowed in the Willamette Valley as the instance of 18 deregulation by the U.S. Department of Agriculture in 19 2005. I provide the following comments: 20 Regarding production aspects of Roundup Ready 21 sugar beet seed as related to the safety from 22 contamination of organically produced seed crops 23 although the question of human safety comes in, 24 genetically modified crops is not an issue in these 25 comments. There's no credible evidence of biological</p>

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58	<p>1 harm to people from genetically altered sugar beet 2 seed. From August 1970 to November of '99, I served as 3 the Oregon State University vegetable crop extension 4 specialist. My duties were primarily as a resource 5 person for the county extension staff and producers of 6 processing crops, fresh market crops, vegetable seed 7 crops, primarily in Oregon but I also worked 8 cooperatively with extension staff in the Pacific 9 Northwest.</p> <p>10 For most of these 29 years, I, together with 11 colleagues of the Benton County Extension Office and 12 from the North Willamette Experiment Station, we are 13 representatives to a committee from about 20 different 14 seed companies called the Willamette Valley Specialty 15 Seed Crops Committee. As the university 16 representatives, our duties were to be as neutral 17 facilitators to the committee for the educational 18 research efforts and benefits -- to the benefit of the 19 companies and to their growers. A major thrust of work 20 of this committee was to establish isolation maps for 21 numerous types vegetable crops grown in the Willamette 22 Valley and river valleys. Large, detailed wall maps 23 were posted at county extension offices in Linn and 24 Marion County where a great majority of these crops are 25 grown. Postings of plantings and intentional plantings</p>	60
59	<p>1 followed along the established procedures adopted by 2 the fieldman's group were made twice a year, spring and 3 fall, by certain deadlines. This provided an orderly 4 method of preventing contamination by insects or weeds 5 or wind cross pollination.</p> <p>6 Actually, it served, also, as a method of 7 preventing the spread of certain diseases. The 8 committee also established an arbitration procedure by 9 which disputes could be resolved if intended plantings 10 were established or plantings were discovered which 11 might have resulted in contamination and if the seed 12 companies involved were not able to resolve the 13 disputes among themselves.</p> <p>14 The committee was also involved in providing 15 educational needs for their growers about seed 16 production, dealing with issues about pollination, 17 weed, insect and disease control, good practices 18 regarding transportation of seed crops and the disposal 19 of seed cleaning waste so as not to create 20 contamination problems. They conducted research that 21 developed pesticide registrations for weed control in 22 some crops.</p> <p>23 Isolation issues in the production of sugar 24 beets, table beets, red and yellow beets, various types 25 of chard as well as heirlooms have been worked out over</p>	61
58	<p>1 the years. This same protection from genetic 2 contamination has been afforded to small acreage crops 3 as is afforded to the predominantly, growing large 4 acreage commercial crops. Production of organic chard 5 or organic table beets or any other seed crops in the 6 organic market, consumer relief can be easily resolved 7 among the willing co-operators so long as historically 8 established isolation procedures are adhered to. 9 Willamette Valley is a large production area and can 10 easily accommodate various types of production.</p> <p>11 Seed companies in the Willamette Valley are 12 proud of the quality of specialty seeds being produced 13 and have published a pamphlet advertising the 14 attributes of the Willamette Valley and list producers 15 as a quality seed production area.</p> <p>16 As a result, among the review of Japanese 17 seed companies, produce specialty seed in the 18 Willamette Valley through local seed companies. Genetic 19 modified Roundup Ready sugar beets have been produced 20 without problems, to my knowledge, since they were 21 introduced by the U.S. Department of Agriculture. 22 There have been no known incidents of contamination of 23 conventional table beets with chard organically 24 produced table beets or chard other crops in the 25 organic specialty crop market.</p>	60
59	<p>1 There's no reason to believe that this would 2 change provided producers of these crops work 3 cooperatively in the production. In the future, we can 4 maintain the Willamette Valley as a unique, quality 5 production area. Thank you</p> <p>6 MR. GEORGE: Thank you.</p> <p>7 Next is Kristie Steele and following her is 8 Chris Peterson, you put a question mark under the oral 9 comment. Chris, if you're here, and you would like to 10 speak you will be next. But if not, that's fine too.</p> <p>11 MS. STEELE: Hello, my name is Kristie 12 Steele, K-r-i-s-t-i-e, S-t-e-e-l-e. I work at 13 Hummingbird Wholesale an organic distributor in Eugene. 14 I volunteer at the Willamette Valley Sustainable Food 15 Alliance Business Association with over 50 natural food 16 businesses in the Lane County area. I'm also a member 17 of the Provender Alliance which is a similar 18 association for the Pacific Northwest. The natural 19 foods industry is really strong in this area. It's one 20 of the few industries that has grown throughout 21 economic recession. My company has grown over 20 22 percent over the year for the past five years while 23 other companies are going out of business.</p> <p>24 Natural food is not a trend. The people want 25 it. And the people don't believe that GMOs are</p>	61

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62	<p>1 natural. You'd be hearing from a lot more of us today 2 if this hearing weren't planned the week before 3 Thanksgiving. It's our busiest week the whole year. 4 There are lots of people in the association I mentioned 5 earlier who would be here if they didn't have loads of 6 work to do today. 7 The buzz in this industry is that GMO 8 technology is still really new and the truth is that we 9 don't know what the long-term implications are. We 10 can't say for sure which, you know, despite all the 11 great skills that our farmers have, I know you guys are 12 specialists at your job, but like somebody said 13 earlier, accidents happen. We're not perfect. It's my 14 hope today that we can make decisions based on ethics 15 until we have enough information to make a truly 16 informed decision, rather than making a decision based 17 on money and risking our own health, the health of our 18 land, and the livelihood of the small organic farmers. 19 I'd like to ask the farmers here today who 20 have given success stories about Roundup Ready beets 21 could consider the bigger picture; the long-term health 22 of the land and prosperity for all farmers. There are 23 companies out there like mine looking for farmers to 24 partner with and grow natural foods and use natural 25 practices and we want to help you make more money doing</p>	64	<p>1 published, then realized ways which the application of 2 science, especially in the interest of large 3 corporations has failings. Now, I'm an advocate for 4 family farmers, community food security and public 5 health. 6 I'm here this evening because after decades 7 of federal policies that have helped large corporations 8 at the extreme detriment of family farmers, GMO crops 9 really would be the final death nail for our local food 10 security. 11 The proposed action to deregulate is a 12 handout to the few and unacceptable and unconscionable 13 risk to family farmers and public health. Do not 14 deregulate Roundup Ready sugar beets and stop allowing 15 genetically modified sugar beets. Do not allow any 16 genetically modified crops in Oregon or the U.S. 17 Genetically modified crops have irreversible 18 and likely -- irreversible consequences in likely 19 individual and community fatality in the long term due 20 to increased pesticide poisoning, defective genetically 21 modified crops themselves, and production in crop 22 genetic diversity. The USDA recognizes that 23 genetically modified sugar beet pollen travels further 24 than the current buffer mentioned and the glyphosate 25 usage has increased upon genetically modified crops.</p>
63	<p>1 it. 2 Also consider what somebody said earlier 3 about labeling. Studies have shown that the American 4 public will not buy food that's labeled GMO. So what 5 if that law changes? How is that going to affect your 6 farms and your livelihood? And I also want to urge you 7 to learn more about Monsanto because this company is 8 not on your side. It's done horrible things to farmers 9 and any company that's developed something called a 10 terminator gene so that farmers cannot save their seed 11 is not on your side. They are all about making money. 12 I ask the USDA to do the right thing and do not 13 deregulate GMO, Roundup Ready sugar beets. Thank you. 14 MR. GEORGE: Thank you. 15 Chris, are you here? Do you care to speak? 16 CHRIS: No. 17 MR. GEORGE: Samantha Surrillo, Charillo, 18 perhaps? She will be followed by Leda Hermecz. 19 MS. CHIRILLO: Hi, my name is Samantha 20 Chirillo, spelled C-h-i-r-i-l-l-o. I reside in Eugene, 21 Oregon. I have a bachelor's degree in microbiology and 22 a minor in biochemistry and molecular biology from Penn 23 State University. A master's degree in biology and 24 public administration from the University of Oregon. I 25 worked in biomedical research for eight years and</p>	65	<p>1 Clean water and food are basic human needs. 2 Deregulation as proposed violates basic human rights. 3 Deregulation also violates fair business practices 4 because of the presence of genetically modified crops 5 violates the ability of family farmers to grow what 6 they choose and to be able to compete. It forces 7 extreme risks in cost to them that they cannot afford. 8 And what will be the affect of reduction in exports to 9 a country that has stricter policies than ours? 10 It seems to me that this proposal is really 11 at the benefit of a few at the expense of the many. If 12 I followed my career path I would be a USDA official 13 but I do not want to put my community survival at risk 14 or public health at risk. So I ask the decision- 15 makers; whose interest are you looking out for, the 99 16 percent or the one percent? Who are you? 17 Regulators in the public interest or Monsanto's 18 minions? 19 MR. GEORGE: Leda Hermecz and she will be 20 followed by Andrew Still. 21 MS. HERMECZ: Hello, my name is Leda Hermecz, 22 that's L-e-d-a, H-e-r-m-e-c-z. I am a food consultant 23 in Eugene, Oregon, as well as the sustainability 24 coordinator for Sweet Life Patisserie in Eugene, 25 Oregon. I sit on the board of the Willamette Valley</p>

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66	<p>1 Sustainable Food Alliance with Sweet Life Patisserie. 2 We employ about 60 people and we are very proud, very 3 proud to be a member of the alliance. 4 Over the past year, we have phased out the 5 use of all GMO ingredients at our bakery including 6 switching over from sugar beet sugar to cane sugar to 7 avoid the contamination of GMOs. We use about 25,000 8 pounds of sugar a year. So I'm here to say that I am 9 representing one business in the Willamette Valley. I 10 own a consulting business and I do plan to continue to 11 urge my clients to consider using alternatives to RSBs 12 because of the potential health dangers especially when 13 glyphosates are concerned. We oppose the deregulation 14 of RSBs. Thank you. 15 MR. GEORGE: Thank you. Andrew Still who 16 will be followed by Sara Kleeger. 17 MR. STILL: Okay. Hello, my name is Andrew 18 Still, S-t-i-l-l. Owner and operator of Adaptive Seeds 19 with my wife near Sweet Home, Oregon. We have grown a 20 wide variety of GM-free vegetable, herb, grain, and 21 legume seed and which include beta vulgaris, beets and 22 chard. We currently cannot grow beets or chard due to 23 the -- I guess I would say the pestilence problem of GM 24 pollen. Roundup Ready beets are a pest to me and my 25 thousands of customers. The Environmental Impact</p>	68
67	<p>1 Statement does not adequately address the pollen 2 trespass. Knowing that three miles is not satisfactory 3 isolation, that seed requires zero contamination. The 4 inevitable gene flow that will happen with a non-GMC 5 will cause irreparable harm and will prevent me from 6 growing GM-free beets and chard for seed. 7 Coexistence is a great idea but this 8 Environmental Impact Statement does not make it seem 9 plausible. The Environmental Impact Statement does not 10 adequately address the active problem of sugar beets, 11 beta vulgaris, volunteering for years and crops where 12 they have been grown in the past. For example, in my 13 hand, these plants do have the ability in the 14 Willamette Valley to produce GM pollen and contaminate 15 non-GM beets and chard seed. We have seen these 16 volunteers in fields which have not grown GM beet seed 17 for two years as well as in places for three to four 18 years in past fields. This is a pest for me. 19 Although, sugar beets are grown as an annual for 20 vegetable production or whatever you want to call it, 21 seed production is different. I have observed beta 22 vulgaris as an annual, biennial, and as a perennial. 23 This increases the chance of pollen contamination. If 24 GM beets are deregulated, I will not be able to grow 25 GM-free seed and I will likely not be able to grow GM-</p>	69

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70	<p>1 sitting on the seed -- the isolation committee when it 2 was first announced that Roundup Ready beets were going 3 to be grown in Oregon. I had only been a member of the 4 WVSSA for one month when the announcement came to the 5 whole organization's surprise that Roundup Ready beets 6 were not only going to be grown here, they had already 7 been planted and we were not informed. 8 At the time that we were informed, 30 percent 9 of the ground in the valley for sugar beets had already 10 been planted and nobody had been alerted to that. So 11 I'm glad you guys or finally here except you should 12 have been here before you deregulated this crop the 13 first time because there was no EIS. And because the 14 environmental assessment which the court described as 15 cursory at best, because that assessment did not even 16 take into account the seed growing phase of the sugar 17 beet lifestyle, nobody in this valley was asked whether 18 we would feel the impact. 19 Then we were told, "Oh, yeah. We've already 20 planted and we want extra isolation because we are 21 afraid that the current five mile limit is not enough." 22 This is what a member of the sugar beet seed industry 23 said to our group. "We think we need six miles," that 24 representative said. And the rule committee that I sat 25 on discussed this, and weirdly, decided to make the</p>	72
71	<p>1 isolation distance three miles. So I have never really 2 understood how the environmental impact statement that 3 you produced, which is just like the environmental 4 assessment that you produced a year ago, to get around 5 the court order that you cease and desist until the EIS 6 was done. We are not being protected. 7 If this product is not regulated, we will be 8 returning to the situation as it was in December 2006, 9 when out of the blue, somebody let the seed industry in 10 the valley know that we had been visited. It's going 11 to return us right to that same place except at that 12 time, five miles were required between Swiss chard and 13 conventional sugar beets. Weirdly, after they went 14 GMO, it became three miles between sugar beets with GMO 15 and non-GMO sugar beets. 16 Dr. Mallory-Smith studies gene flow. That's 17 what she does and she has said that in this valley, if 18 GMOs are deregulated, gene flow between GM crops and 19 non-GM crops will occur. Dr. Smith suggested that we 20 must come up with a tolerance level that organic 21 growing will tolerate because that's the reality of 22 what we're going to face. 23 Well, we don't want any GMOs in our seeds. 24 Our customers do not want them in the seeds that they 25 buy from us and if they can't buy pure seed in the</p>	73

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74	<p>1 and land viability. They have identified GMO isolation 2 and restriction that is years of viability of seed and 3 crops by top priorities. It was our farmers' opinion 4 that there isn't sound science available today that can 5 adequately demonstrate the full impact of introducing 6 genetically modified crops without an extremely high 7 chance of cross contamination. The ruination of the 8 organic agriculture industry in the area is likely. 9 Friends of Family Farmers does not want genetically 10 modified Roundup Ready sugar beets introduced in 11 Oregon. Protecting these lands for purposes of local 12 agriculture guarantees jobs, not just for the farmers 13 and their families, but for the number of businesses 14 both rural and urban who rely on the businesses from 15 family farms for survival. 16 This decision will have significant impact on 17 the entire region. It is USDA's responsibility to 18 listen to us and protect all aspects of agriculture. 19 We should not allow one side of agriculture to 20 potentially ruin another industry in the name of 21 Roundup Ready. This isn't minimal impact. Please hear 22 the socially responsible organic and sustainable 23 section of agriculture as carefully as big industry. 24 We, as farmers, work the land, support the land and 25 know that conflict and potential financial devastation</p>	76	<p>1 might be GMO seed already. Even when we have those 2 maps and pin the little flags of the locations of the 3 seed crops, not all farmers follow that. There are 4 farms growing out there that are not on those maps that 5 are going sugar beets. The biggest issue for me is the 6 pollen drift and then policing. Lots of you probably 7 have seen on the side of the road or observed some 8 beans that have fallen off the truck. 9 The other issue is birds. I have lots of 10 weed crops that show up that are new to me because 11 there has been newer crops growing rather than just 12 grass seed, such as corn and other crops, bringing 13 other weeds and the birds drop those on my land. I 14 don't believe that it is even possible for us to truly 15 control it and we do not have a way to police it. 16 There is not policing going on now and I can't see it 17 in the future. It's cost prohibitive. So please do not 18 deregulate Roundup Ready. Please restrict it more for 19 the sake of all small farms, conventional and organic. 20 Thank you. 21 MR. GEORGE: Thank you. 22 Next is Aleyon Auchanbault. Auchanbault? Is 23 that anyone's name is this room? A-l-e-y-o-n it looks 24 like is the first name. Well 25 --</p>
75	<p>1 will arise from the introduction of genetically 2 modified crops and, specifically, Roundup Ready sugar 3 beets in the Willamette Valley. 4 We implore you to push back against the 5 pressure of the green light of Roundup Ready sugar 6 beets and protect the family farmers of Oregon. Thank 7 you. 8 MR. GEORGE: Thank you. Okay. Next, this is 9 very hard to read, but it looks like B.D. Aude, A-u-d- 10 e, it looks like, citizen? Anyone here? No. Okay. In 11 that case we will move on to Cynthia Kapple. She will 12 be followed by Auchenbault, Aleyon Auchenbault. 13 MS. KAPPLE: Hello, I'm Cynthia Kapple, C-y- 14 n-t-h-i-a, K-a-p-p-l-e. I have a small farm, Midway 15 Farms, out on Highway 22 between Corvallis and Albany. 16 Our farm is organic. We also have many other farms 17 that sell through us. We also are running a community 18 table at the Albany Farmer's Market. 19 The problem with the GMO Roundup Ready crops 20 are that they not only contaminate farmers that are 21 organic but also conventional farmers that do not wish 22 to grow GMO. I not only grow the crops for selling 23 product, but also feed the fodder to my animals and 24 then also I save money on seed. I worry that because 25 there is seed growing down the road from us that there</p>	77	<p>1 AUDIENCE: Can you repeat the name. 2 MR. GEORGE: A-l-e-y-o-n looks like the first 3 name and A-u-c-h-a-n-b-a-u-l-t, perhaps for the last 4 name. No? Okay. We'll move on. Eric Lezynski, 5 please and that will be followed by Ted Hale, or Hake, 6 perhaps. 7 MR. LEZYNSKI: Hello, I'm Eric Lezynski, 8 that's L-e-z-y-n-s-k-i. And it's kind of hard to know 9 where to start. I have a lot of issues with this EIS, 10 but I'd like to focus on three main things here. 11 First of all, in the EIS it talks about 12 socioeconomic impacts to farmers due to limited 13 availability and uses and this is basically an argument 14 for continuing the deregulation in full deregulation. 15 And I would like to point out that these socioeconomic 16 impacts due to -- the socioeconomic impacts due to 17 limited availability of conventional beet seed and 18 limited availability of other herbicides, this is all 19 caused by original release of Roundup Ready sugar beets 20 before they should have been and getting them out in 21 the market before the EIS was made. So, you know, if 22 the EIS had been done in the first place, these 23 problems wouldn't be a factor and these wouldn't be, 24 you know, in the EIS now -- as they are now. 25 Secondly, on the issue of usage of</p>

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78	<p>1 glyphosate, in the EIS it's predicted that fewer 2 herbicides will be used but a greater quantity of the 3 one of glyphosate, greater quantity overall. And I 4 would like to point to the European Journal of Agronomy 5 and include in issue three that deals with glyphosate 6 interaction with physiology, nutrition and diseases of 7 plants. And specifically an article entitled, 8 Glyphosate-resistant Crop Interactions with Rhizosphere 9 Microorganisms. 10 In the EIS it says, "Glyphosate is not 11 expected to pose acute or chronic risk to birds, 12 reptiles and mammals, terrestrial and aquatic 13 invertebrates, fish amphibians and microorganisms." 14 However, there are numerous papers in this Journal that 15 finds, "Increases of fusarium after glyphosate 16 applications. Increase of antagonistic bacterial 17 interactions, reduction and inoculation of roots and 18 many other things." This is just one article. 19 So I challenge the notion that the increased 20 used of glyphosate is, you know, necessarily a good 21 thing here. And I'd like to end with the issue of 22 contamination, that contamination won't occur with the 23 restrictions that are currently in place or with any 24 restrictions. I have here a court document from the 25 sugar beet case. This paper is titled Opposition to</p>	80	<p>1 MR. GEORGE: Thank you. 2 Ted Hale. 3 MR. HAKE: Hake. 4 MR. GEORGE: Hake. Thank you. 5 MR. HAKE: I'm Ted Hake, H-a-k-e. Sorry 6 about my sloppy handwriting. I'm the Production 7 Manager for Universal Seed Company, a national seed 8 company located here in the Willamette Valley and we 9 would like to comment on the request for non-regulated 10 status of the glyphosate tolerant H7-1 sugar beets and 11 specifically the production of seed from sugar beets. 12 While Universal Seed as a company is not 13 taking an official position on GMO beets, our main 14 concern, and one of our customers and growers, is the 15 possibility of crop crossing with the H7-1, with our 16 hybrid table beet and hybrid Swiss chard seed here in 17 the valley. Our average annual acreage and value of 18 the aforementioned crops is not insignificant. In the 19 petitioner's request and other testimony that's been 20 given or will be given here, the OSCS and WVSSA, 21 isolation standards have been referenced. It mentions 22 the OSCS standards for seed certification as a maximum 23 of 1.9 miles for non-sugar beet Beta species, to sugar 24 beets produced for stock seed. 25 The Willamette Valley's Specialty Seed</p>
79	<p>1 Client's -- Plaintiff's Motion for Permanent Relief 2 just technical legal stuff. The name of this section 3 is Intervenor, which means Monsanto, concedes 4 transgenic contamination is unavoidable as an 5 acceptable part of producing Roundup Ready sugar beets. 6 In its order, the court found that irreparable harm 7 sufficiently likely. This is in a quote. "Discovery 8 has uncovered further conclusive evidence that 9 contamination is not only likely but a common and 10 continuing occurrence and that Intervenor containment 11 efforts are ineffective. Seed companies have not been 12 able to isolate the sources of contaminants entering 13 their own fields it is impossible to know how many 14 other farmers crops have been contaminated. 15 Stewardship techniques and USDA guidelines which 16 Intervenor tout APHIS espouses as proposed protective 17 measures, have repeatedly proven ineffective." 18 It then lists the instances of contamination 19 which have been redacted to protect the privacy of the 20 companies that -- but these are sugar beet 21 contamination events. And it ends by saying, 22 "Moreover, the whole history of GE crops is literally 23 one contamination event after another, just like the 24 assurances of their impossibility for this or that 25 reason." That's all.</p>	81	<p>1 Association has an isolation distance requirement of 2 four miles between H7-1 and non-sugar beet Beta 3 species. Both of these references are intended in the 4 request to show the possibility of these crops 5 coexisting here in the Willamette Valley under strict 6 supervision of seed companies. 7 Unfortunately, we have to disagree with this. 8 The seed certification isolation for Beta species, 9 while certainly not laughable, are not in use by any 10 vegetable seed companies that we're aware of. The 11 harsh reality is the testing of non-sugar beet Beta 12 species for the years 2009 and 2010, we found 20 13 percent of the field to be contaminated with the 14 Roundup Ready gene. This occurred even when stricter 15 WVSSA guidelines were followed. The testing of the 16 2011 crop is not yet completed. 17 This is a very serious matter for our 18 customers, our growers, and for Universal Seed as a 19 company. We feel that the USDA needs to further study 20 the possibilities about crossing and that this needs to 21 be taken into account before any further steps are 22 taken from deregulation. Thank you. 23 MR. GEORGE: Jean Oxley. Jean Oxley. Please. 24 Jean Oxley is not here? 25 MS. OXLEY: Hi, my name is Jean Oxley. That's</p>

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82	<p>1 O-x-l-e-y and --</p> <p>2 MR. GEORGE: Jean with a "j"?"</p> <p>3 MS. OXLEY: With a "j." Okay. I'm not used</p> <p>4 to speaking public. I'm not a farmer. I am a</p> <p>5 community member here in Corvallis. I'm a health care</p> <p>6 provider in the Willamette Valley and I want you to</p> <p>7 understand the community that you're addressing.</p> <p>8 You're addressing a community that is very, very</p> <p>9 involved in a local level. We have a thriving farmer's</p> <p>10 market. People like to eat organic here. They care</p> <p>11 about their health and for the number of people that</p> <p>12 have presented, come up here statistically, and</p> <p>13 presented their thoughts and not being for this</p> <p>14 deregulation and not even allowing GMOs in Oregon, for</p> <p>15 every one of those, there's 50 to 100 other people that</p> <p>16 they represent that are not here. And statistically,</p> <p>17 those that are up here wanting to deregulate the GMO</p> <p>18 and allow them in Oregon, there's about --</p> <p>19 statistically, what we are seeing is what's represented</p> <p>20 out there. We care about Oregon. We do not want GMOs</p> <p>21 here. They are not well tested. The contamination has</p> <p>22 taken effect like, in Mexico, in their ancient</p> <p>23 varieties of corn which they tried to protect but are</p> <p>24 now contaminated and once it's done, it's done. There</p> <p>25 is not enough health lead studies that have been done</p>	84	<p>1 right by Monsanto. That's just the truth. GMOs have</p> <p>2 not been effectively studied. We do not know their</p> <p>3 long-term consequences. They are not part of God's</p> <p>4 creation. We messed with them and we don't know long-</p> <p>5 term effects and we are not willing to take that risk.</p> <p>6 Our children are not worth that risk. That's all I</p> <p>7 have to say.</p> <p>8 MR. GEORGE: Is there anyone that has signed</p> <p>9 up to speak that I have missed? You signed up?</p> <p>10 AUDIENCE MEMBER: I was the last one in.</p> <p>11 MR. GEORGE: Well, I think Neil just went to</p> <p>12 get the sign-up sheet. I think we're going to solve</p> <p>13 that right now. Jayne Miller? If there is anyone else</p> <p>14 who wishes to speak, make your way to the microphone or</p> <p>15 just see Neil and we will be sure to hear from you.</p> <p>16 Go ahead, Jayne.</p> <p>17 MS. MILLER: My name is Jayne Miller, J-a-y-</p> <p>18 n-e, M-i-l-l-e-r. I'm Director for Marion Soil and</p> <p>19 Water Conservation District 4. I'm a cattle rancher's</p> <p>20 daughter. I grew up here in Oregon on our family's</p> <p>21 7,000 acre cattle ranch and I became an organic farmer</p> <p>22 by accident. I became an organic farmer because I</p> <p>23 foolishly went to work for a pulp and paper industry</p> <p>24 and got contaminated and could no longer eat foods that</p> <p>25 were grown in herbicides or pesticides. I couldn't</p>
83	<p>1 on GMOs. The long-term consequences for health care --</p> <p>2 we have an epidemic developing in Oregon. We have one</p> <p>3 in 99 children with autism and that doesn't even</p> <p>4 include all of the other nervous system disorders,</p> <p>5 ADHD, and all the other types of disorders that are</p> <p>6 taking place right now in pediatrics.</p> <p>7 I also work in geriatrics. I know that we</p> <p>8 have an epidemic starting of auto-immune diseases and</p> <p>9 these are not only happening to old people, they're</p> <p>10 happening to the young people. These are the 20-year</p> <p>11 olds and 30-year olds. I bet everyone in this room can</p> <p>12 say they know someone with Lupus or MS, not to mention</p> <p>13 the health disorders like cancer. We have a problem.</p> <p>14 GMOs have not been studied well enough. We are not</p> <p>15 guinea pigs. Oregon does not want GMOs here and if</p> <p>16 they do deregulate them, the fight for this will not</p> <p>17 end here. It will go on and eventually we will win</p> <p>18 because we do not want them here and they won't be</p> <p>19 here.</p> <p>20 Look at the farmer's in the corn state. They</p> <p>21 live in fear. They are no longer saving their own</p> <p>22 seeds because they're afraid to save their own seeds.</p> <p>23 Conventional farmers, their farms are polluted because</p> <p>24 a passing-by truck tips over and seeds are carried or</p> <p>25 blown into their field. They're being sued left and</p>	85	<p>1 even go into a restaurant and eat because of the</p> <p>2 bleach. I became so chemically sensitive that I</p> <p>3 couldn't eat anymore of what we consider now only</p> <p>4 traditional foods which are foods grown with chemicals</p> <p>5 which is a blessing.</p> <p>6 I met folks like Harry MacCormack, over</p> <p>7 there, who taught me how to organic farm. And I</p> <p>8 thought, "By golly, if I'm going to survive, I'm going</p> <p>9 to have to start growing my own food and eat organic</p> <p>10 and support the organic community." I could eat</p> <p>11 organic food and I became well again, but to this day,</p> <p>12 over 20 years later, I can't eat foods grown in</p> <p>13 chemicals. There are chemical-sensitive people out</p> <p>14 there that are not being addressed and who are not</p> <p>15 going to survive unless there's a new type of food</p> <p>16 form.</p> <p>17 We are going to have generations of people</p> <p>18 who will not remember what it's like to taste, really,</p> <p>19 a naturally grown carrot. It will taste like Roundup</p> <p>20 Ready because that's what will be available. We are</p> <p>21 not addressing the land ethics. You own land, you take</p> <p>22 care of it for the future. You don't introduce</p> <p>23 chemicals that are going to pollute our waters, kill</p> <p>24 the soil and the lifeforms in soil and call this good</p> <p>25 for the future.</p>

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86	<p>1 I've had a lot of grants, signed a lot of</p> <p>2 grants at Marion Soil and Water Conservation District</p> <p>3 trying to deal with the herbicides and pesticides that</p> <p>4 are entering our waterways. I mean, really, it's</p> <p>5 almost pathetic, in my opinion, to try and clean up the</p> <p>6 mess. We already know that herbicides and pesticides</p> <p>7 were supposed to be the answer in the 1900s for our</p> <p>8 food shortages. We already know they are not. We</p> <p>9 already know that they polluted our soil and our</p> <p>10 waters. They are making people sick. They are making</p> <p>11 our children sick. They are making our children be</p> <p>12 born sick. And now they're telling us that GMO is the</p> <p>13 new answer for food shortage and it's not.</p> <p>14 If you allow GMO sugar beets in, it will not</p> <p>15 be the only GMO. It will open the door for more and I</p> <p>16 know this because, well, my brother is the CEO of</p> <p>17 United Grain. He has sold grain for decades out of</p> <p>18 Oregon and he's changing the guidelines in Vancouver,</p> <p>19 right now, with a mega grain bin to hold your future</p> <p>20 GMO wheat. This is not the end. Don't let them fool</p> <p>21 you. Don't let them pull the wool over your eyes by</p> <p>22 making it awkward for you to be here tonight. You</p> <p>23 know, why is this scheduled from 4:00 through the</p> <p>24 dinner hour? There are a lot of people who wanted to</p> <p>25 be here and represent themselves but you need to make</p>	88	<p>1 grower, someone who doesn't want to eat those things</p> <p>2 and wants to know what they are eating, they're being</p> <p>3 infringed upon. We have the right to know what we're</p> <p>4 eating and we have the right to choose what we are</p> <p>5 eating and there are people trying to take this away</p> <p>6 from us and this is what deregulation will continue to</p> <p>7 do.</p> <p>8 The thought that there won't be contamination</p> <p>9 is really ignorant. There has already been</p> <p>10 contamination. This has already been documented since</p> <p>11 the year 2000. There has been contamination in organic</p> <p>12 food crops of GMO crops. There has been contamination</p> <p>13 in the food supply that were not meant to contain GMO</p> <p>14 foods.</p> <p>15 So right now a lot -- the big concern of</p> <p>16 people is significant financial impact. This is</p> <p>17 something that can have significant, negative financial</p> <p>18 impact in Oregon. In 2009, there were 11 Canada flax</p> <p>19 shipments to Europe and some other countries were found</p> <p>20 to contain GMO flax. That GMO flax had been created in</p> <p>21 the 1990s and it was told -- Canada decided that it</p> <p>22 didn't want it. So they told the growers of it they</p> <p>23 were all supposed to turn it in and destroy it all.</p> <p>24 So in the 1990s, this product of GMO flax was</p> <p>25 supposed to have been destroyed and in 2009, it pops up</p>
87	<p>1 it more amenable.</p> <p>2 Why isn't Monsanto labeling their foods,</p> <p>3 "Hey, this has GMO in it." Why are we being denied our</p> <p>4 option? We should not be denied our option. Take care</p> <p>5 of the land and the land will take care of you. That</p> <p>6 is not GMO -- a GMO or Monsanto's motto. Land ethics,</p> <p>7 that's what must come first if we are to survive as a</p> <p>8 nation. If we kill our soil, we kill our water with</p> <p>9 this GMO, we will kill ourselves and there is no</p> <p>10 turning back. Thank you.</p> <p>11 MR. GEORGE: If there is anyone who would</p> <p>12 like to speak who has not signed up, please see Neil in</p> <p>13 the back of the room, please.</p> <p>14 MS. GOODWIN: Hi, I'm Kim Goodwin, G-o-o-d-w-</p> <p>15 i-n. That was so well spoken. It's kind of hard to</p> <p>16 follow after it, but we have a bully in the room. We</p> <p>17 have someone who is essentially the smoker on the</p> <p>18 airplane. To say there can be a non-smoking section</p> <p>19 and a smoking section is akin -- on an airplane, is</p> <p>20 akin to what we are saying with GMO crops and non-GMO</p> <p>21 crops.</p> <p>22 The only people not infringed on by these GMO</p> <p>23 crops are people who are growing them. Anyone who does</p> <p>24 not want to utilize them, be it the conventional</p> <p>25 grower, a conventional seed grower, an organic seed</p>	89	<p>1 in flax shipments to Europe. Europe is testing for</p> <p>2 these and Europe did not allow flax shipment with GMOs</p> <p>3 in them. This is just one of numerous, numerous</p> <p>4 consequences. This has a significant financial impact</p> <p>5 in Canada and the flax industry.</p> <p>6 A couple of things have been brought up that</p> <p>7 I think should be looked at a little more closely. One</p> <p>8 of which is comparison of hybrid seed and hybrid plants</p> <p>9 and GMOs. Any single one of us can grow hybrid or we</p> <p>10 can develop our own strain of hybrid plants. I do</p> <p>11 that. That is something that I enjoy doing. I enjoy</p> <p>12 hybridizing plants, finding new plant varieties,</p> <p>13 developing plants that are new to our area. This is</p> <p>14 something any one of us can do. I'd be willing to bet</p> <p>15 that none of us can create a GMO in our backyard. So</p> <p>16 this is a significantly different process. This is</p> <p>17 something that we keep hearing that there are no</p> <p>18 studies showing that GMO sugar beets could be dangerous</p> <p>19 to you and your health. There aren't any studies</p> <p>20 showing this. It hasn't been done.</p> <p>21 Why not take the proactive standpoint of</p> <p>22 investigating something thoroughly first before</p> <p>23 releasing it on the public. We have a terrible history</p> <p>24 of releasing poisonous or dangerous things on to the</p> <p>25 public and discovering it from the government</p>

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