Appendix C. References

blank page

References

Altieri, M.A. 2000. "The Ecological Impacts of Transgenic Crops on Agroecosystem Health." *Agroecology in Action.* <http://www.cnr.berkeley.edu/~agroeco3/the_ecological_impacts.html>.

Amand, P.C.S., D.Z. Skinnera, and Peaden, R.N. 2000. "Risk of Alfalfa Transgene Dissemination and Scale Dependent Effects." *Theory of Applied Genetics* 101:107–114.

Anderson, J., Wachenheim C, and Lesch W. 2006. "Perceptions of Genetically Modified and Organic Foods and Processes." *AgBioForum* 9(3): 180–194.

Angers, D.A., Chantigny, M.H., MacDonald, J.D., Rochette, P., and Côté, D. 2009. "Differential Retention of Carbon, Nitrogen and Phosphorus in Grassland Soil Profiles with Long-term Manure Application." *Nutrient Cycling in Agroecosystems* 86(2): 225–229.

AOSCA (Association of Official Seed Certifying Agencies). 2010. Alfalfa Seed Stewardship Program. Accessed July, 2010. <http://www.aosca.org/VarietyReviewBoards/Alfalfa/Alfalfa.html>.

AOSCA (Association of Official Seed Certifying Agencies). 2003. Operational Procedures, Crop Standards and Service Programs Publication. Crop Certification Standards for Alfalfa. Association of Official Seed Certifying Agencies. 1601 52nd Ave., Ste 1, Moline, IL 61265.

ASSAF (Academy of Science of South Africa). 2010. Workshop Proceedings Report GMOs for African Agriculture: Challenges and Opportunities. <www.assaf.org.za>.

Backlund, P., Janetos, A., Schimel, D. and Walsh, M. (ed). 2008. "The Effects of Climate Change on Agriculture, Land Resources, Water Resources, and Biodiversity in the United States." U.S. Climate Change Science Program and the Subcommittee on Global Change Research. Final Report, Synthesis and Assessment Product 4.3 <http://www.climatescience.gov/Library/sap/sap4-3/final-report/default.htm>.

Bagavathiannan, M., and Van Acker, R. 2008. "Crop Ferality: Implications for Novel Trait Confinement." *Agriculture, Ecosystems and Environment* 127:1–6.

Bagavathiannan, M., and Van Acker, R. 2009. "The Biology and Ecology of Feral Alfalfa (*Medicago sativa L.*) and its Implications for Novel Trait Confinement in North America." *Critical Reviews in Plant Sciences* 28: 69–87.

Baldridge, D.E; Bowman, H.F. & Ditterline, R.L. (1985), Growing Alfalfa for Hay, Montana State University Forage Extension Program. http://www.animalrangeextension.montana.edu/articles.forage/General/Growing-alfalfa-hay.html

Baker, B. 2008. "Commercial Availability of Organic Seeds: Certifier Perspectives." In: Proceedings, 5th Organic Seed Growers Conference. Organic Seed Alliance. Salem, Oregon. <http://www.seedalliance.org/uploads/pdf/OSGCProceedings08completeweb.pdf>.

Ball, D.M., Collins, M., Lacefield, G.D., Martin, N.P., Mertens, D.A., Olson, K.E., Putnam, D.H., Undersander, D.J., and Wolf, M.W. 2001. "Understanding Forage Quality." Technical Report, American Farm Bureau Federation 1-01. <http://alfalfa.ucdavis.edu/quality/ForageQuality/UnderstandingForageQuality.pdf>.

Barrett, K. A., McBride, M.B. 2006. "Trace Element Mobilization in Soils by Glyphosate." *Soil Sci Soc Am J*, 70: 1882-1888.

Bass, L.N., Gunn, C.R., Hesterman, O.B., and Roos, E.E. 1988. "Seed Physiology, Seedling Performance, and Seed Sprouting." In: A.A. Hanson, D.K. Barnes and R.R. Hill, Jr. (ed.) Alfalfa and Alfalfa Improvement. ASA-CSSA-SSSA, Madison, WI.

Beekman M, Ratnieks FLW (2000) Long-range Foraging by the Honeybee, *Apis mellifera* L. *Functional Ecology* 14:490–496.

Benbrook, C.M. 2004. "Genetically Engineered Crops and Pesticide Use in the United States: the First Nine Years." BioTech InfoNet. <www.biotech-info.net> Accessed August 7, 2008.

Benbrook, C. 2009. Impacts of Genetically Engineered Crops on Pesticide Use in the United States: The First Thirteen Years. The Organic Center Critical Issue Report. November, 2009. pp. 1–69. <http://www.organic-center.org/reportfiles/13Years20091126_FullReport.pdf> Accessed 3/3/10.

Bennett, R., Phipps, R., Strange, A., and Grey, P. 2004. "Environmental and Human Health Impacts of Growing Genetically Modified Herbicide-Tolerant Sugar Beet: a Life-Cycle Assessment." *Plant Biotechnology Journal* 2(4):273–278.

Bergstrom, D.W., Monreal, C.M. & St. Jacques, E. 2001. "Influence of Tillage Practice on Carbon Sequestration is Scale-dependent." *Can. J. Soil Science*. 81:63–70.

Bertolini P., Wolf, M.M., Shikama, I., and Berger, A. 2003. "Attitudes towards Food and Biotechnology in the U.S., Japan and Italy." International Consortium on Agricultural Biotechnology Research (ICABR), 7th ICABR International Conference on Public Goods and Public Policy for Agricultural Biotechnology. Ravello, Italy.

Blackburn, L.G., and C. Boutin. 2003. Subtle effects of herbicide use in the context of genetically modified crops: a case study with glyphosate (Roundup®). *Ecotoxicology* 12:271–285.

Bliss, R. M. 2003. Flowering Alfalfa Breaks Barriers - Interseeding Alfalfa on the Northern Plains, *USDA-ARS Rangeland Resources Research Unit*.

Bohm, G.M.B., Alves, B.J.R., Urquiaga, S., Boddey, R.M., Xavier, G.R., Hax, F., and Rombaldi, C.V. 2009. Glyphosate- and imazethapyr-induced effects on yield, nodule mass and biological nitrogen fixation in field-grown glyphosate-resistant soybean. *Soil Biology and Biochemistry* 41(2):420–422.

Borggaard, O.K. and Gimsing, A.L. 2007. “Fate of Glyphosate in Soil and the Possibility of Leaching to Ground and Surface Waters: a Review.” *Pest Management Science* 64:441–456.

Borggaard, O.K., and A.L. Gimsing. 2008. Fate of glyphosate in soil and the possibility of leaching to ground and surface waters: a review. *Pest Management Science* 64:441–456.

Bosch, J. and Kemp, W. 2005. “Alfalfa Leafcutting Bee Population Dynamics, Flower Availability and Pollination Rates in Two Oregon Alfalfa Fields.” *Journal of Economic Entomology* 98:1077–1086.

Bosworth, S.C.; C. Stringer, W.; Hall, M.H.; Fales, S.L. & Jung, J.A. (Undated), Cutting Management of Alfalfa, Red Clover, and Birdsfoot Trefoil, Technical report, Pennsylvania State University. http://cropsoil.psu.edu/extension/facts/agfact7.pdf.

Bouton, J. 1998. “How Alfalfa Varieties are Developed.” In: 1998 California/Nevada Alfalfa Symposium, 3–4 December 1998. <http://alfalfa.ucdavis.edu/symposium/1998/varietydevelopment.htm>.

Brackett, RE. 2005. “Statement by Robert E. Brackett, Ph.D., Director, Center for Food Safety and Applied Nutrition, Food and Drug Administration, U.S. Department of Health and Human Services on Biotech Foods before The Committee on Agriculture, Nutrition, and Forestry, U.S. Senate.” June 14.

Breazeale, D., Myer, G., Kettle, R. 1999. “Alfalfa Seed Production Costs for Pershing County”. University of Nevada Cooperative Extension, Fact Sheet 66–94.

Breazeale, D., Fernandez, G., Narayana, R. 2008. “Modeling Pollination Factors That Influence Alfalfa Seed Yield In North-Central Nevada.” *Journal of Central European Agriculture* 9: 1 107-116.

Brick, M.A. 2002. Soil; Legume Seed Inoculants. Colorado State Cooperative Extension Crop Series No. 305. http://www.ext.colostate.edu/pubs/crops/00305.pdf.

Brimner, T.A., Gallivan, G.J. and Stephenson, G.R. 2005. Influence of herbicide-resistant canola on the environmental impact of weed management. *Pest Management Science* 61:47–52.

Brookes, G. and Barfoot, P. 2010. GM Crops: Global Socio-economic and Environmental Impacts 1996–2008. PG Economics Ltd, UK. April.

Brothers, B.A. & Hesterman, O.B. (1991) Are herbicides necessary for alfalfa establishment?: Results from studies with conventional and no-till alfalfa. Proceedings of the Forage and Grassland Conference p.157-161.

Brunet, J. and Stewart, C. 2010. “Impact of Plant Density and Pollinator Type on Flower Tripping and Potential for Gene Flow in Alfalfa.” *Psyche a Journal of Entomology* 2010: 1–7.

Burdock, GA and Fenaroli, G. 2005. *Fenaroli's Handbook of Flavor Ingredients*. 5th Ed. Boca Raton, FL: CRC Press.

Butler, L. 2002. "Survey Quantifies Cost of Organic Milk Production in California." *California Agriculture* 56(5):157–162.

Cakmak, I., A. Yazici, Y. Tutus, L. Ozturk. 2009. Glyphosate reduced seed and leaf concentrations of calcium, manganese, magnesium, and iron in non-glyphosate resistant soybean. Sabanci University, Istanbul, Turkey. <http://research.sabanciuniv.edu/13147/1/2009_Glyphosate_reduced_seed_and_leaf_concentrations_of_calcium_etc.pdf>.

California Crop Improvement Association (CCIA). 2009. "Alfalfa Seed Certification." University of California—Davis. Retrieved from: <http://ccia.ucdavis.edu/seed_cert/alfalfa_seedcert_standards.htm>.

Cameron, D. 2008. Opening statement, Don Cameron. Domestic Policy Subcommittee, Oversight and Government Reform Committee. March 13, 2008.

Canevari, M. 1997. "Getting Control of Tough Weeds in Alfalfa." Technical report. 2007. What Have We Learned From Two Years of RR Alfalfa? Proceedings, 37th California Alfalfa & Forage Symposium, Monterey, CA. 17-19 December, 2007. UC Cooperative Extension, Agronomy Research and Information Center, Plant Sciences Department, One Shields Ave., University of California Cooperative Extension. <http://ucanr.org/alf_symp/1997/97-83.pdf>.

Canevari, M., Putnam, D.H., Lanini, W.T., Long, R.F., Orloff, S.B., Reed, B.A., and Vargas, R.V. 2000. "Overseeding and Companion Cropping in Alfalfa." Oakland: University of California Agriculture and Natural Resources Publication 21594. 31 pp.

Canevari, M., Orloff, S., Hembree, K., and Vargas, R. 2004. "Roundup Ready Alfalfa Research Results: California and the U.S." Proceedings, National Alfalfa Symposium, 13-15 December 2004, San Diego, CA; UC Cooperative Extension, University of California, Davis 95616. <http://alfalfa.ucdavis.edu>.

Canevari, W. M., Orloff, S.B., Lanini, W.T., Wilson, R.G., Vargas, R.N., Bell, C.E., Norris, R.F., and Schmierer, J.L. (2006), Alfalfa: Susceptibility of Weeds to Herbicide Control in Established Alfalfa, University of California. http://ucipm.ucdavis.edu/PMG/r1700411.html.

Canevari, W.M., Orloff, S.B., Lanini, W.T., Wilson, R.G., Vargas, R. N., and Orloff, S.B. 2007a. Weed Management in Bell, C. E., Norris, R.F., and Schmierer, J.L. 2006. Alfalfa Proceedings, 37th California: Susceptibility of Weeds to Herbicide Control in Established Alfalfa and Forage Symposium, Monterey, CA, 17-19 December 2007, University of California, Davis. <http://ucipm.ucdavis.edu/PMG/r1700411.html>.

Canevari, M., Vargas, R.N., and Orloff, S.B. 2007b. "Weed Management in Alfalfa." Technical report, University of California, Division of Agriculture and Natural Resources. Proceedings,

37th California Alfalfa & Forage Symposium, Monterey, CA, 17-19 December, 2007. UC Cooperative Extension, Agronomy Research and Information Center, Plant Sciences Department, One Shields Ave., University of California, Davis 95616. <http://alfalfa.ucdavis.edu>.

Carpenter, J.E. and Gianessi, L.P. 2003. "Trends in Pesticide Use Since the Introduction of Genetically Engineered Crops." In: *Cerdeira*, A.L. and Duke, S.O. 2006. The Current Status and Environmental Impacts of Glyphosate-Resistant GT Crops: a Review. *Journal of Environmental Quality* 35:1633–1658.

Carr, K.H., and J.L. Honegger. 2008. An Analysis of Possible Risk to Threatened and Endangered Plant Species Associated with Glyphosate Use in Alfalfa, Phase 2: Species Proximity to Relevant Land Use at the Sub-County Level (Summary Report). Monsanto Study Number RPN-2007-230.

Convention on Biological Diversity (CBD). 2010. Biosafety Clearing-House. http://bch.cbd.int/protocol/parties/

CCSP (U.S. Climate Change Science Program). 2008a. "Impacts of Climate Change and Variability on Transportation Systems and Infrastructure: Gulf Coast Study, Phase I." A Report by the U.S. Climate Change Science Program and the Subcommittee on Global Change Research. [Savonis, M. J., V.R. Burkett, and J.R. Potter (eds.)]. Department of Transportation, Washington, DC, USA, 445 pp. Science and Assessment Product 4.7.

CCSP (U.S. Climate Change Science Program). 2008b. "The Effects of Climate Change on Agriculture, Land Resources, Water Resources, and Biodiversity." A Report by the U.S. Climate Change Science Program and the Subcommittee on Global Change Research. Backlund, P., A. Janetos, D. Schimel, J. Hatfield, K. Boote, P. Fay, L. Hahn, C. Izaurralde, B.A. Kimball, T. Mader, J. Morgan, D. Ort, W. Polley, A. Thomson, D. Wolfe, M.G. Ryan, S.R. Archer, R. Birdsey, C. Dahm, L. Heath, J. Hicke, D. Hollinger, T. Huxman, G. Okin, R. Oren, J. Randerson, W. Schlesinger, D. Lettenmaier, D. Major, L. Poff, S. Running, L. Hansen, D. Inouye, B.P. Kelly, L. Meyerson, B. Peterson, R. Shaw. U.S. Environmental Protection Agency, Washington, DC, USA, 362 pp. Science and Assessment Product 4.3.

Cerdeira, A.L. and Duke, S.O. 2006. "The Current Status and Environmental Impacts of Glyphosate-Resistant GT Crops: a Review." *Journal of Environmental Quality* 35:1633–1658.

Chern W.S. and Rickertsen K. 2002. "Consumer Acceptance of GMO: Survey Results from Japan, Norway, Taiwan, and the United States." Working Paper: AEDE-WP-0026-02, Department of Agricultural, Environmental and Development Economics, The Ohio State University.

Clay, S. A. and Aguilar. 1998. "Weed Seedbanks and Corn Growth Following Continuous Corn or Alfalfa." *Agronomy Journal* 90:813–81.

Combs, D.K. and G.F. Hartnell. 2007. “Effects of Feeding Roundup Ready Alfalfa on Intake and Milk Production of Dairy Cows.” *Journal of Animal Science*. Supplement. I/J. Dairy Sci. 89:S1.

Culpepper, A.S., and A.C. York. 1998. Weed Management in Glyphosate-tolerant Cotton. *The Journal of Cotton Science* 4:174–185.

Dahr, T., and J. Foltz. 2005. “Milk by any other name…Consumer benefits from labeled milk.” *American Journal of Agricultural Economics* 87(1):214–228.

DeGrandi-Hoffman, G. Roth, S., Loper, G., Erickson, E. 1989. “Beeamate: A Honeybee Colony Genetics Models”. *Ecology Modeling* 3-4:299–314.

DeGrandi-Hoffman, G., Hoopingarner, R. A. and Klomparens, K. 1986. The influence of honey bee (Hymenoptera: Apidae) in-hive pollen transfer on cross-pollination and fruit set in apples. Environ. Entomol. 15:723-725.

DeWaal, C.S. 1998. Remarks of Caroline Smith DeWaal Director of Food Safety FDA’s Public Meeting to Review at the Current Science Relating to Sprouts and Needed Control Measures. http://www.cspinet.org/reports/sprouts.html. Accessed 11-10-10

Derpsch, R., Friedrich, T., Kassam, A., Hongwen, L. 2010. “Current Status of Adoption of No-till Farming in the World and Some of its Main Benefits.” *International Journal of Agricultural and Biological Engineering* 3(1):1–25.

Dillehay, B.L. and Curran, W.S. 2006. “Guidelines for Weed Management in Roundup Ready Alfalfa.” Weed Control Pennsylvania State University Cooperative Extension, University Park, Pennsylvania. Agronomy Facts 65. <http://cropsoil.psu.edu/extension/facts/agfact65.pdf>.

Dimitri, C. and Oberholtzer, L. 2005. “Market-Led Versus Government-Facilitated Growth Development of the U.S. and EU Organic Agricultural Sectors.” WRS-05-05, Economic Research Service, USDA, Washington, D.C.

Duke, S.O. and Powles, S.B. 2009. Glyphosate-Resistant Crops and Weeds: Now and in the Future, AgBioforum 12, 346-357.

Eker, S., L. Ozturk, A. Yazici, B. Erenoglu, V. Romheld, and I. Cakmak. 2006. Foliar-applied glyphosate substantially reduced uptake and transport of iron and manganese in sunflower (*Helianthus annuus* L.) plants. American Chemical Society. <http://research.sabanciuniv.edu/128/1/stvkaf01889.pdf>.

Ellstrand, N. 2003. “Dangerous Liaisons: When Cultivated Plants Mate with Wild Relatives”. *Johns Hopkins University Press*.

Endres, G. 1999. “Control of Established Alfalfa, Fargo, 1993.” North Dakota State University Extension Service Pro Crop Database.

EPA—See U.S. Environmental Protection Agency

Extension Toxicology Network. 2010. Miller, T.L. (ed.). <http://extoxnet.orst.edu/>.

Food and Agricultural Policy Research Institute, University of Missouri (FAPRI). 2007. Estimating Water Quality, Air Quality, and Soil Carbon Benefits of the Conservation Reserve Program FAPRI-UMC Report #01-07. <http://www.fsa.usda.gov/Internet/FSA_File/606586_hr.pdf> Accessed October, 2010.

Falck-Zepeda, J.B., G. and Traxler. 1998. Rent Creation and Distribution from Transgenic Cotton in the U.S. Department of Agricultural Economics and Rural Sociology, Auburn University, AL. Prepared for the symposium entitled: Intellectual Property Rights and Agricultural Research Impacts. NC-208 and CIMMYT, El Batan, Mexico, March 5–7.

Faust, M.J. 2002. New feeds from genetically modified plants: the US approach to safety for animals and the food chain. Livestock Production Science, April 2002, 74(3):239-254.

Fawcett, R. and Towery, D. 2002. "Conservation Tillage and Plant Biotechnology: How New Technologies Can Improve the Environment by Reducing the Need to Plow." Technical report, Conservation Technology Information Center. <http://www2.ctic.purdue.edu/CTIC/BiotechPaper.pdf>.

FDA – See U.S. Food and Drug Administration

Fernandez-Cornejo, J., and C. Klotz-Ingram. 1998. Economic, Environmental, and Policy Impacts of Using Genetically Engineered Crops for Pest Management. Selected paper presented at the 1998 Northeastern Agricultural and Resource Economics Association meetings. Ithaca, NY, June 22–23.

Fernandez-Cornejo, J., C. Klotz-Ingram, and S. Jans. 1999. Farm-level effects of adopting genetically engineered crops in the U.S.A. Proceedings of NE-165 Conference, Transitions in Agbiotech: Economics of Strategy and Policy. Lesser, W.H. (ed). Washington, DC, June 24–25.

Fernandez-Cornejo, J., C. Klotz-Ingram, and S. Jans. 2002. Farm-level effects of adopting herbicide-tolerant soybeans in the U.S.A. *Journal of Agricultural and Applied Economics* 31:149–163.

Fernandez-Cornejo, J. and Schimmelpfennig D. 2004. Amber Waves. Economic Research Service, USDA 2 (1).

Fernandez-Cornejo, J. 2006. Agricultural Resources and Environmental Indicators (AREI), Chapter 3.3: "Biotechnology and Agriculture." USDA Economic Research Service. <http://www.ers.usda.gov/publications/arei/eib16/Chapter3/3.3/>.

Fernandez-Cornejo, J., and Caswell, M. 2006. “The First Decade of Genetically Engineered Crops in the United States.” Economic Research Service, USDA.

Fischlin, A., G.F. Midgley, J.T. Price, R. Leemans, B. Gopal, C. Tyrley, M.D.A. Rounsevell, O.P. Dube, J. Tarazona, A.A. Velichko. 2007. “Ecosystems, Their Properties, Goods, and Services.” Climate Change 2007: Impacts, Adaptation and Vulnerability. Contribution of Working Group II to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change. M.L. Parry, O.F. Canziani, J.P. Palutikof, P.J. van der Linden and C.E. Hanson, Eds., Cambridge University Press, Cambridge, 211–272.

Fitzpatrick, S; Reisen, P. & McCaslin, M. (2002), Alfalfa Pollen-Mediated Gene Flow Studies, 2002, Technical report, Forage Genetics International. Geertson (2008), Position Paper On the Release of Roundup Ready Alfalfa, Technical report, Geertson Seed Fams. http://www.geertsonseedfarms.com/pdfs/rr%20hand%20out%203.15.08.pdf.

Flachowsky, G., Chesson, A., and Aulrich K. 2005. “Animal Nutrition With Feeds from Genetically Modified Plants.” *Arch of Animal Nutr* 59(1):1–40.

FGI (Forage Genetics, Inc.). 2010. Personal Communication to Data Request 30 July 2010. Estimated Total RRA Acres in Production.

FGI (Forage Genetics, Inc.). 2007. Validaton of the FGI Best Practices for Roundup Ready ® Trait Stewardship in Alfalfa Seed Production, Technical report, Forage Genetics International. http://www.foragegenetics.com/pdf/ValidationFGIBestPractices.pdf.

Forney, D.R., Foy, C.L., and Wolf, D.D. 1985. “Weed Suppression in No-Till Alfalfa (*Medicago sativa*) by Prior Cropping of Summer-Annual Forage Grasses.” *Weed Science* 33:490–497.

Foster, S. and Johnson, R. 2006. *Desk Reference to Nature’s Medicine*. National Geographic Society. Washington, D.C.

Fryer, J.R. 1930. “Cytological Studies in *Medicago, Melilotis* and *Trigonella*.” *Canadian Journal of Forest Research* 3:3–50.

Gamble, J.L., Ebi, K.L., Grambsch, A.E., Sussman, F.G, and Wilbanks, T.J. 2008. “Analyses of the Effects of Global Change on Human Health and Welfare and Human Systems.” U.S. Climate Change Science Program And the Subcommittee on Global Change Research. Final Report, Synthesis and Assessment Product 4.6. <http://www.climatescience.gov/Library/sap/sap4-6/final-report/>.

Georghiou, G.P. and C.E. Taylor. 1986. “Factors Influencing the Evolution of Resistance.” In *Pesticide Resistance: Strategies and Tactics for Management*. National Academy Press, Washington D.C. pp 157–169.

Getenga, Z.M. and Kengara, F.O. 2004. “Mineralization of Glyphosate in Compost-Amended Soil under Controlled Conditions.” *Bulletin of Environmental Contamination and Toxicology* 72 (2):266-275.
Gianessi, L.P., and J.E. Carpenter. 1999. Agricultural biotechnology: Insect control benefits. National Center for Food and Agricultural Policy. Washington, DC, July 1999.

Gianessi, L.P. 2005. Economic and herbicide use impacts of GT crops. In: Cerdeira, A.L. and S.O. Duke. 2006. The current status and environmental impacts of GT crops: a review. *Journal of Environmental Quality* 35:1633–1658.

Gianessi, L.P. and Carpenter, J.E. 2000. “Agricultural Biotechnology: Benefits of Transgenic Soybeans.” In: Cerdeira, A.L. and Duke, S.O. 2006. “The Current Status and Environmental Herbicide Use Impacts of Glyphosate-Resistant GT Crops: a Review.” *Journal of Environmental Quality* 35:1633-1658.

Gianessi, L.P., Silvers, C.S., Sankula, S., and Carpenter, J.E. 2002. “Plant Biotechnology: Current and Potential Impact for Improving Pest Management in U.S. Agriculture an Analysis of 40 Case Studies Herbicide Tolerant Alfalfa.” Technical report, National Center for Food and Agricultural Policy, 1-13. <http://www.ncfap.org/40CaseStudies/CaseStudies/AlfalfaHT.pdf>.

Gianessi, L. and Reigner, N. 2006. “Pesticide Use in U.S. Crop Protection Production: 2002 - With Comparison to 1992 & 1997 – Fungicides and Herbicides.” Report, Crop Life Foundation, Washington, D.C. “Insecticides & Other Pesticides.” Technical report, Crop Life Foundation, Crop Protection Research Institute. <http://www.croplifefoundation.org/Documents/PUD/NPUD%202002/Fung%20&%20Herb%202002%20Data%20Report.pdf>.

Gibson VI, J.W., D. Laughlin, R.G. Lutrell, D. Parker, J. Reed, and A. Harris. 1997. Comparison of costs and returns associated with Heliothis resistant Bt cotton to non-resistant varieties. Proceedings of the Beltwide Cotton Conferences. Vol. 1. Dugger, P., and D. Richter (eds.). Memphis, TN: National Cotton Council of America.

Giesy, J.P., Dobson, S., and Solomon, K.R. 2000. “Ecotoxicological Risk Assessment for Roundup Herbicide.” *Rev. Environ. Contam. Toxicol*. 167: 35–120.

Gimsing, A., Borggaard, O.K., Jacobsen, O., Glenn, S., Aamand, J., and Sørensen, J. 2004. “Chemical and Microbiological Soil Characteristics Controlling Glyphosate Mineralisation in Danish Surface Soils.” *Applied Soil Ecology* 27:233–242.

Ganiere, P., Chern, W., and Hahn, D. 2006. “A Continuum of Consumer Attitudes Toward Genetically Modified Foods in the United States.” Journal of Agricultural and Resource Economics 31 (1): 129-149.

Goodell, P.B. and Meyers, R.D. 2006. Alfalfa Crop Rotation, UC Pest Management Guidelines. In: “No-Tillage Corn”. *Weed Technology* 20:86–89.

Greene, C., Dimitri, C., Biing-Hwan, L., McBride, W., Oberholtzer, L., Smith, T. 2009. Emerging issues in the U.S. organic industry. USDA Economic Research Service. Economic Information Bulletin Number 55.
Greenleaf, S.S., Williams, N.M., Winfree, R., and Kremen, C. 2007. "Bee Foraging Ranges and Their Relationship to Body Size." *Oecologia* 153(3):589–596. <http://www.ipm.ucdavis.edu/PMG/r1900811.htmlhttp://dx.doi.org/10.1007/s00442-007-0752-9>.

Gruère, G.P. and Rao, S.R. 2007. "A Review of International Labeling Policies of Genetically Modified Food to Evaluate India's Proposed Rule." *AgBioForum* 10(1): 51–64.

Grunewald, K., Schmidt, W., Unger, C., and Hanschmann, G. 2001. "Behavior of Glyphosate and Aminomethlyphosphonic Acid (AMPA) in Soils and Water of Reservoir Radeburg II Catchment (Saxony/Germany)." *J. Plant Nutr. Soil Sci.* 164:65–70.

Guerena, M. and Sullivan, P. 2003. "Organic Alfalfa Production: Agronomic Production Guide." Technical report, Appropriate Technology Transfer for Rural Areas. <http://attra.ncat.org/attra-pub/PDF/alfalfa.pdf>.

Hall, M. H., Jennings, J.A., and Shewmaker, G.E. 2004. "Alfalfa Establishment Guide." *Forage and Grazelands Online*. Plant Management Network International. (GF-2004-0723-01-MG). <http://www.plantmanagementnetwork.org/pub/fg/management/2004/alfalfa>.

Hallman, W.K. and Aquino, H. 2003. "Public Perceptions of Genetically Modified Food." An International Comparison, International Consortium on Agricultural Biotechnology Research (ICABR), 7th ICABR International Conference on Public Goods and Public Policy for Agricultural Biotechnology. Ravello, Italy.

Hallman, W., and Hebden W. 2005. "American Opinions of GM food: Awareness, Knowledge, and Implications for Education." *Choices* 20(4): 239–242.

Hammon, B., Rinderle, C., and Franklin, M. 2007. "Pollen Movement from Alfalfa Seed Production Fields." Technical report, Colorado State University Cooperative Extension. <www.colostate.edu/Depts/CoopExt/TRA/Agronomy/Alfalfa/Hammon.RRpollenflow.pdf>.

Harker, K.N., Clayton, G., Blackshaw, R., O'Donovan, J., Lupwayi, N., Johnson, E., Gan, Y., Zentner, R., Lafond, G., and Irvine, R. 2005. "Glyphosate-Resistant GT Spring Wheat Production System Effects on Weed Communities." *Weed Science* 53:451–464.

Hartzler, B. 2003. "Are Roundup Ready Weeds in Your Future II". *ISU Weed Science Online.* <http://www.weeds.iastate.edu/mgmt/2003/glyresistance.shtml>.

Heap, I., Glick, H., Glasgow, L., Beckie, H. 2010. "International Survey of Herbicide Resistant Weeds." Accessed 7/2010. <http://www.weedscience.org/In.asp>.

Heimlich, R.E., Fernandez–Cornejo, J., McBride, W., Klotz–Ingram, J.S., Jans, S., and Brooks, N. 2000. "Genetically Engineered Crops: Has Adoption Reduced Pesticide Use?" In: Cerdeira, A.L. and Duke, S.O. 2006. "The Current Status and Environmental Impacts of Glyphosate-Resistant GT Crops: a Review." *Journal of Environmental Quality 35:1633-1658.*
Hesterman, O. & Durling, J (1991), Avoiding Winter Injury to Alfalfa, Technical report, Cooperative Extension Service, Michigan State University. http://web1.msue.msu.edu/msue/iac/disasteeresp/Crops/e2310.PDF

High Plains Midwest Ag Journal. 2008. "Yellow-flowering Alfalfa Topic of June 26 Field Day." *High Plains Midwest Ag Journal*. <http://www.hpj.com/archives/2008/jun08/jun23/Yellow-floweringalfalfatopi.cfm>.

Hilgenfeld, K., Martin, A., Mortensen, D., and Mason, S. 2004. "Weed Management in a Glyphosate Resistant Soybean System: Weed Species Shifts." *Weed Technology* 18: 284–291.

Holmes, M. and Macey, A. 2010. *Canada*. In: The world of organic agriculture: statistics and emerging trends 2010. Willer and Kilcher (eds.), International Federation of Organic Agriculture Movements (IFOAM).

Honegger J.L., Mortensen, S.R., and Carr, K.H.. 2008. Overview of the Analysis of Possible Risk to Threatened and Endangered Species Associated with Use of Glyphosate-containing Herbicides in Alfalfa Production. Monsanto Study Number RPN‑2007‑228. <http://www.aphis.usda.gov/biotechnology/alfalfa_eis.shtml>.

Hower, A.A., Harper, J.K., and Harvey, R.G. 1999. "The Importance of Pesticides and Other Pest Management Practices in U.S. Alfalfa Production." U.S.D.A. National Agricultural Pesticide Impact Assessment Program. NAPIAP Document No. 2-CA-99. Pp 102-120.

Howley, S. & Wright, H. (1991), Risk of Alfalfa Winterkill, Ontario Ministry of Agriculture, Food and Rural Affairs. http://www.omafra.gov.on.ca/english/crops/facts/91-072.htm

Hoyt, S. 2001. *Market Trends in the California Alfalfa Industry*. In: Proceedings, 31st California Alfalfa Symposium, 11-13 December, 2001, Modesto, CA, UC Cooperative Extension, University of California, Davis. http://ucanr.org/alf_symp/2001/01-007.pdf.

Hubbard, K. 2008. "A Guide to Genetically Modified Alfalfa." Technical report, Western Organization of Resource Councils. <http://www.worc.org/userfiles/file/Guide_%20to_%20GM_%20Alfafa_%20v2.pdf> Accessed September 7, 2010.

Idaho Crop Improvement Association (ICIA). 2006. "Alfalfa: Certification Regulations in Idaho". Idaho's seed certification authority. Retrieved from: <,http://www.idahocrop.com/standards.aspx>.

Idaho Crop Improvement Association (ICIA). 2007. Alfalfa Certification Regulations in Idaho. <http://www.idahocrop.com/StandardDocs/Alfalfa-R&R.pdf>.

IPCC (Intergovernmental Panel on Climate Change). 2007. Summary for policymakers. In: IPCC, 2007. "Climate Change 2007: The Physical Science Basis." Contribution of Working Group I to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change. Solomon, S. D.Qin, M. Manning, Z. Chen, M. Marquis, K.B. Averyt, M. Tignor and H.L. Miller (eds.).

Ivanov, A.I. 1988. *Alfalfa*. Amerind Publishing Co., New Delhi.

Jasieniuk, M., A. L. Brûlé-Babel, and I.N. Morrison. 1996. "The Evolution and Genetics of Herbicide Resistance in Weeds." *Weed Science* 44: 176–193.

Jenczewski, E., Ronfort, J., Chèvre, A.M.. 2003. "Crop-to-wild gene flow, introgression and possible fitness effects of transgenes." *Environmental Biosafety Research* 2 9-24.

Jennings, J.A. and C.J. Nelson. 1998. Influence of soil texture on alfalfa autotoxicity. *Agron. J.* 90:54-58.

Johnson, W.G. and Gibson, K.D. 2006. "Glyphosate-Resistant GT Weeds and Resistance Management Strategies: An Indiana Grower Perspective." *Weed Technology* 20:768–772.

Johnson, S.R., Strom, S., and Grillo, K. 2008. "Quantification of the Impacts on U.S. Agriculture of Biotechnology-Derived Crops Planted in 2006." Technical report, National Center for Food and Agricultural Policy. <http://www.ncfap.org/documents/Quantification%20of%20the%20Impacts%20on%20US%20Agriculture%20of%20Biotechnology.pdf>.

Johnson, W.G., Owen, M.D., Kruger, G., Young, B., Shaw, D., Wilson, R., Wilcut, J., Jordan, D., and Weller, S. 2009. U.S. Farmer Awareness of Glyphosphate-Resistant Weeds and Resistance Management Strategies. *Weed Technology* 23:308–312.

Khan, IA and Abourashed, EA. 2010. *Leung's Encyclopedia of Common Natural Ingredients: Used in Food, Drugs and Cosmetics*. Hoboken, NJ: John Wiley & Sons.

Kettle, R., Myer, G., and Breazeale D., 1999a. Alfalfa Hay Production Costs for Humboldt County. University of Nevada Cooperative Extension, Fact Sheet-99-68.

Kettle, R., Myer, G., and Breazeale, D. 1999b. Alfalfa Seed Production Costs for Humboldt County, University of Nevada Cooperative Extension, Fact Sheet-99-69.

Kleter, G.A., Bhula, R., Bodnaruk, K., Carazo, E., Felsot, A.S., Harris, C.A., Katayama, A., Kuiper, H.A., Racke, K.D., Rubin, B., Shevah, Y., Stephenson, G.R., Tanaka, K., Unsworth, J., Wauchope, R.D., and Wong, S. 2007. "Altered Pesticide Use on Transgenic Crops and the Associated General Impact from an Environmental Perspective." *Pest Management Science* 63:1107–1115.

Kleter GA, Harris C, Stephenson G, Unsworth J. 2008. Comparison of herbicide regimes and the associated potential environmental effects of glyphosate-resistant crops versus what they replace in Europe. Pest Management Science;64(4):479-88.

Klonsky, K., Reed, B., and Putnam, D. 2007. "Alfalfa Marketing and Economics." Irrigated Alfalfa Management for Mediterranean and Desert Zones, University of California, Publication 8309. <http://alfalfa.ucdavis.edu/IrrigatedAlfalfa/pdfs/UCAlfalfa8309Economics.pdf>.

Kovach, A.J., Petzoldt, C., Degni, J., and Tette, J. 1992. "A Method to Measure the Environmental Impact of Pesticides." New York's Food and Life Sciences Bulletin', NYS Agricultural Experiment Station, Cornell University, Geneva, NY, 139. 8 pp. Annually updated. <www.nysipm.cornell.edu/publications/EIQ.html>.

Kovach, A.J., Petzoldt, C., Degni, J., and Tette, J. 2007. "A Method to Measure the Environmental Impact of Pesticides." Technical report, Cornell University. <http://nysipm.cornell.edu/publications/eiq/files/EIQ_values07.pdf>.

Kowalchuk, G.A., Bruinsma, M., and J.A. van Veen. 2003. Assessing responses of soil microorganisms to GM plants. *Trends in Ecology and Evolution* 18(8): 403—410.

Kremer, R.J. and N.E. Means. 2009. Glyphosate and glyphosate-resistant crop interactions with rhizosphere microorganisms. *European Journal of Agronomy* 31:153–161.

Kuhn, J., Ellis, T., Fitzhugh, L. 1996. Alfalfa helps wildlife on your farm. Proceedings, 27th National Alfalfa Symposium and 26th California Alfalfa Symposium, December 9-10, 1996, San Diego, CA. Certified Alfalfa Seed Council, Davis, CA, and University of California, Davis.

Lajmanovich, R.C., Sandoval, M.T. and Peltzer, P.M.C., et al. 2003. "Induction of mortality and malformation in *Scinax nasicus* Tadpoles Exposed to Glyphosate Formulations." *Bulletin of Environnmental Contamination Toxicology* 70:612–618.
Larue, B., West, G., Gendron, C., and Lambert, R. 2004. "Consumer Response to Functional Foods Produced by Conventional, Organic, or Genetic Manipulation." *Agribusiness* 20(2):155–166.

Leake, T. 2008. Is the U.S. Department of Agriculture (USDA) accounting for the costs to farmers from contamination caused by genetically engineered (GE) plants. Statement of Todd Leake for the Dakota Resource Council and the Western Organization of Resource Councils before the U.S. House of Representatives Committee on Oversight and Government Reform Domestic Policy Subcommittee. March 13, 2008.

Leath, K.T., Erwin, D.C., and Griffin, G.D. 1988. "Diseases and Nematodes." P. 621-670. *In* Hanson, A.A., Barnes, D.K., and Hill Jr., R.R. (eds.) *Alfalfa and Alfalfa Improvement*. ASA-CSSA-SSSA, Madison, Wisconsin. 1084 pp.

Lee, D, Ingerson-Mahar, J, Majek, B. 2003. Crop Profile for Forage Alfalfa in New Jersey. <http://www.ipmcenters.org/cropprofiles/docs/NJalfalfa.pdf> Accessed October 15, 2010.

Leep, R., Undersander, D., Peterson, P., Min, D., Harrigan, T., and Grigar, J. 2003. "Steps to Successful No-Till Establishment of Forages." Technical Report, Michigan State University, University of Wisconsin, University of Minnesota, and Natural Resources Conservation Service. Extension Bulletin E-2880.

Lemaux, P.G. 2009. Genetically Engineered Plants and Foods: A Scientist's Analysis of the Issues (Part II). Department of Plant and Microbial Biology, University of California, Berkeley, CA. *Annual Review of Plant Biology* 60:511–59.

Lesins, K.A. and Lesins, I. 1979. "Genus *Medicago* (Leguminosae): A Taxogenetic Study." Dr. W. Junk Publishers, Kluwer, Boston Inc., Hingham, Mass. USA.

Linn, D.M., and J.W. Doran. 1984. Effect of water-filled pore space on carbon dioxide and nitrous oxide production in tilled and nontilled soils. Soil Sci. Soc. Am. J. 48:1267-1272.

Lipkowitz, MA, Navarra, T. 2001. *The Encyclopedia of Allergies*. 2nd Ed. New York: Facts on File.

Locke, M. A.; Zablotowicz, R. M. & Reddy, K. N. (2008), Integrating soil conservation practices and glyphosate-resistant crops: impacts on soil, *Pest Management Science* **64**, 457-469. http://www.ars.usda.gov/SP2UserFiles/Place/64022000/Publications/Zablotowicz/Locke%20et%20al.%2008%20PMS%2064-457-469.pdf.

Long, R., Orloff, S., Meyer, R., Klonsky, K., and Livingston, P. 2007. *Sample Costs to Establish and Produce Organic Alfalfa Hay*. University of California Cooperative Extension, Davis, California. Accessed 25 June 2008.

Loux, M.M., Stachler, J.M., Johnson, W., Nice, G., and Bauman, T. 2007. "Weed Control Guide for Ohio and Indiana." Field Crops, Ohio State University Extension and Purdue Extension [www.btny.purdue.edu/pubs/WS/WS-16/]. <http://ohioline.osu.edu/b789/index.html>.

Lowery, G. (2010). Stewardship Initiatives to Protect Our Non-GMO Seed Markets. *Proceedings of the Idaho Crop Improvement Association.* Las Vegas, Nevada. January, 2010.

Lusk, J., Roosen J., and Fox J. 2003. "Demand for Beef from Cattle Administered Growth Hormones or Fed Genetically Modified Corn: A Comparison of Consumers in France, Germany, the United Kingdom, and the United States." *American Journal of Agricultural Economics* 85(1): 16-29.

Lusk, J., Jamal, M., Kurlander, L., Roucan, M., and Taulman, L. 2004. "A Meta Analysis of Genetically Modified Food Valuation Studies." *Journal of Agricultural and Resource Economics* 30. 28-44.

Lusk, J.L. and Rozan, A. 2005. “Consumer Acceptance of Biotechnology and the Role of second Generation Technologies in the USA and Europe.” *Trends in Biotechnology* Vol. 23, Issue 8, August.

MacDonald, J., McBride, W., O'Donoghue, E., Nehring, R., Sandretto, C., and Mosheim, R. 2007. “Profits, Costs and the Changing Structure of Dairy Farming.” Electronic Report from the Economic Research Service, USDA, Statistical Bulletin Number 47.

Major McBride, W.W., Grue, D., Nehring, R.F., Sandretto, C.E., Gardner, S.C., and Grassley, J.M. 2003. “Concentrations of Glyphosate and AMPA in Sediment Following Operational Applications of Rodeo to Control Smooth Cordgrass in Willapa Bay, Washington, USA.” *Bulletin of Environmental Contamination and Toxicology* 71:912–918.

MacKenzie, A.F., Fan, M.X. and Cadrin, F. 1998. Nitrous oxide emission in three years as affected by tillage, corn-soybean-alfalfa rotations, and nitrogen fertilization. J. Env. Qual., 27: 698-703.

Malik, J., G. Barry, and G. Kishore. 1989. The herbicide glyphosate. *BioFactors* 2:17–25.

Malinow MR, Bardana EJ Jr, Pirofsky B, Craig S, McLaughlin P. 1982. Systemic lupus erythematosus-like syndrome in monkeys fed alfalfa sprouts: role of a nonprotein amino acid. *Science*. 1982 Apr 23; 216(4544):415-7.

Mallory-Smith C., Zapiola M. 2008.“Review Gene Flow from Glyphosate-Resistant Crops”. *Pest Management Science* 64:428–440.

Manitoba Agriculture and Food. 2002. “Getting out Alfalfa with Herbicides.” University of Manitoba Faculty of Agriculture and Food Sciences. <http://www.gov.mb.ca/agriculture/crops/forages/bjb00s12.html>.

Margentino, M.R. and Malinowski, K. 1992. Farm Machinery and Equipment Safety. Part I: Recognizing and Understanding the Hazards. Document FS619. Rutgers Cooperative Extension, Rutgers, the State University of New Jersey.

Marra, M., G. Carlson, and B. Hubbell. 1998. Economic impacts of the first crop biotechnologies.

Maxwell, B.D. and A.M. Mortimer. 1994. Selection for Herbicide Resistance. In Herbicide Resistance in Plants: Biology and Biochemistry. Powles, S.B. and J.A.M. Holtrum, eds. CRC Press, Boca Raton, FL. pp 1–25.

Mayerle, G. 2002. “Eradicating Alfalfa for Direct Seeding.” The Newsletter of the Saskatchewan Soil Conservation Association.

McBride, W.D., and N. Brooks. 2000. Survey evidence on producer use and costs of genetically modified seed. *Agribusiness* 16(1):6–20.

McCaslin, M., Fitzpatrick, S., and Reisen, P. 2010. “Summary of 2000 Alfalfa Pollen Flow Experiment.” Forage Genetics International. <http://www.naaic.org/Publications/GeneFlowFGI2000/GeneFlowinalfalfa.html>.
McCordick, S.A., Hillger, D.E., Leep, R.H. and Kells, J.J. 2008. “Establishment Systems for Glyphosate-Resistant GT Alfalfa.” *Weed Technology* 22:22–29.

McCoy, T.J., McCaslin, M., Fitzpatrick, S., and Smith, L.Y. 1986. “Interspecific Hybridization of Perennial Medicago Species Using Ovule-Embryo Culture.” *Theor. Appl. Genet*. 71:772–783.

McCoy, T.J. and Bingham, E.T. 1988. “Cytology and Cytogenetics of Alfalfa.” 737-776. In Hanson, A.A., Barnes, D.K., and Hill Jr., R.R. (eds.) *Alfalfa and Alfalfa Improvement*. ASA-CSSA-SSSA, Madison, Wisconsin. 1084 pp.

McGregor, S. 1976. “Insect Pollination of Cultivated Crop Plants.” USDA Agricultural Research Service, Tucson, Arizona.

McWilliams, D., Bundy, S., Houghton, W., Duffy, J., and Hathorn, G. 2005. “Alfalfa Hay Grading and Sampling for a Quality Product in New Mexico.” Circular 608, New Mexico State University Cooperative Extension Service, Las Cruces New Mexico.

Medlin, C.R., and S.D. Siegelin. Weed Management in Alfalfa Stands. Purdue University, Department of Botany. West Lafayette, IN. <http://www.ces.purdue.edu/extmedia/WS/WS-11-W.pdf>.

Meister, H.S. 2004. Sample Cost to Establish and Produce Alfalfa, Seed Production – Imperial County, UC Cooperative Extension.

Melton, B., Moutray, J.B., Bouton, J. 1988. “Geographic Adaptation and Cultivar Selection.” 595-620. In Hanson, A.A., Barnes, D.K., and Hill Jr., R.R. (ed.) *Alfalfa and Alfalfa Improvement*. ASA-SSA-SSSA, Madison, Wisconsin. 1084 pp.

Mends, C. and Dobbs, T. 1991. “Effect of Including Alfalfa in Whole-Farm Plans: Comparison of Conventional, Ridge Till, and Alternative Farming Systems.” Technical report, Department of Economics South Dakota State University, Brookings, South Dakota. Economics Staff Paper No. 91-1.

Metcalfe, D.D., Astwood, J.D., Townsend, R., Sampson, H.A., Taylor, S.L., and Fuchs, R.L. 1996. Assessment of the allergenic potential of foods derived from genetically engineered crop plants. *Critical Reviews in Food Science and Nutrition* 36(S):S165-S186.

Metcalfe, DD, Sampson, HA, Simon, RA. 2003. *Food Allergy: Adverse Reactions to Foods and Food Additives*. Malden, MA: Blackwell Science.

Meyer, D. and Helm, J. (1994), Alfalfa Management in North Dakorta, NSDU. http://www.ag.ndsu.edu/pubs/plantsci/hay/r571-1htm.

Miller, J., Hill, B.D., Chang, C. and Lindwall, C. 1995. “Residue Detections in Soil and Shallow Groundwater after Long-Term Herbicide Applications in Southern Alberta.” *Canadian Journal of Soil Science*, 349–356.
Miller, S.D., Wilson, R.G., Kniss, A.R., and Alford, C.M. 2006. “Roundup Ready Alfalfa: A New Technology for High Plains Hay Producers.” Technical report, University of Wyoming Cooperative Extension Service. <http://ces.uwyo.edu/PUBS/B1173.pdf>.

Mkhabela, M. S., A. Madani, et al. 2008. Gaseous and leaching nitrogen losses from no-tillage and conventional tillage systems following surface application of cattle manure. Soil and Tillage Research. 98(2): 187-199.

Monsanto. 2003. Roundup UltraMAX II® Herbicide MSDS. Monsanto Company, St. Louis, Missouri, 63167 USA. <http://www.cdms.net/LDat/mp6DH000.pdf> Accessed 6/16/2008.

Monsanto. 2004. Roundup UltraMAX II® Herbicide Label. Monsanto Company. St. Louis, Missouri, 63167 USA. <http://www.greenbook.net/Docs/Label/L72631.pdf>.

Monsanto. 2005a. Roundup Weather Max® Herbicide supplemental label for Roundup Ready alfalfa. St. Louis, MO. EPA Reg. No. 524-537. http://www.monsanto.com/monsanto/ag_products/pdf/labels_msds/roundup_weathermax_label.pdf>. Accessed July 3, 2008.

Monsanto. 2005b. Roundup Ultra Max II® Herbicide Supplemental Label for Roundup Ready® Alfalfa. Monsanto Company. St. Louis, Missouri, 63167 USA . EPA Reg. No. 524-537. <http://www.greenbook.net/Docs/Supplemental/S79272.pdf> Accessed June 26, 2008.

Monsanto. 2006a. Roundup Original Max® Herbicide Material Safety Data Sheet. Version 1.1. St. Louis, MO. EPA Reg. No. 524-539. <http://www.monsanto.com/monsanto/ag_products/pdf/labels_msds/roundup_orig_max_msds.pdf> Accessed July 3, 2008.

Monsanto. 2006b. Safety Assessment of Roundup Ready Alfalfa Events J101 and J163. <http://www.monsanto.com/products/Documents/safety-summaries/alfalfa_pss.pdf> Accessed July, 2010.

Monsanto. 2007a. Honcho® Herbicide. Safety Data Sheet. Version 2.0. Monsanto Company. St. Louis, Missouri, 63167 USA. EPA Reg. No. 524-445. <http://www.monsanto.com/monsanto/ag_products/pdf/labels_msds/honcho_msds.pdf>. Accessed June 16, 2008.

Monsanto. 2007b. Honcho MSDS Version 2.0. Monsanto Company. St. Louis, Missouri, 63167 USA. <http://www.monsanto.com/monsanto/ag_products/pdf/labels_msds/honcho_msds.pdf>.

Monsanto. 2007c. Honcho Plus® Herbicide. Safety Data Sheet. Version 2.0. Monsanto Company. St. Louis, Missouri, 63167 USA. EPA Reg. No. 524-454.

<http://www.monsanto.com/monsanto/ag_products/pdf/labels_msds/honcho_plus_msds.pdf>. Accessed June 16, 2008.

Monsanto. 2007d, HonchoPlus MSDS Version 2.0. Monsanto Company, St. Louis, Missouri, 63167 USA. <http://www.monsanto.com/monsanto/ag_products/pdf/labels_msds/honcho_plus_msds.pdf>. Accessed July, 2010.

Monsanto. (Monsanto Company). 2007e. Roundup Original Max® Herbicide. Specimen Label. St. Louis, MO. EPA Reg. No. 524-539. http://www.monsanto.com/monsanto/ag_products/pdf/labels_msds/roundup_orig_max_label.pdf.

Monsanto. 2007f. Roundup Weather Max® Herbicide. Specimen Label. Monsanto Company. St. Louis, Missouri, 63167 USA. EPA Reg. No. 524-537. <http://www.monsanto.com/monsanto/ag_products/pdf/labels_msds/roundup_weathermax_label.pdf>. Accessed June 16, 2008.

Monsanto 2008. "Technology Use Guide." Technical report. Monsanto Company. St. Louis, Missouri, 63167 USA. <http://www.monsanto.com/monsanto/ag_products/pdf/stewardship/2008tug.pdf>.

Montana Seed Growers Association (MSGA). 2010. "Alfalfa Standards". MSGA General Seed Certification Standards. <http://ag.montana.edu/msga/Seed%20Standards/alfalfa%20standards.pdf>.

Mortenson, M. C.; Schuman, G. E. & Ingram, L. J. 2004. "Carbon Sequestration in Rangelands Interseeded with Yellow-Flowering Alfalfa (*Medicago sativa ssp. falcata*)." *Environmental Management* 33, S475-S481.

Mueller, S.C. Undated. "Alfalfa Seed Production in the Western United States, Agronomy Farm Advisor, UC Cooperative Extension 2005." Seed production issues for genetically enhanced alfalfa (Abstract). Proceedings of the 2005 California Alfalfa Seed Production Symposium. <http://alfalfaseeducce.ucdavis.edu/pages/Western_specialsites/alf_seed_production.htm/2005/16.pdf>. Accessed October 31, 2007.

Mueller, S.C. 1995. "Alfalfa Seed Production in the Western U.S. - A Commitment to Quality." UC Cooperative Extension Farm Advisor.

Mueller, S.C. 2005. Production Practices and Economics in Western Seed Production, US Cooperative Extension, Fresno County.

Mueller, S.C. 2008. "Alfalfa Seed Production in California, Irrigated Alfalfa Management for Mediterranean and Desert Zones." University of California, Division of Agriculture and National Resources. Publication 8298.

Mueller, S.C., Frate C.A, Canevari M., Campbell-Mathews M., Klonsky K. M., and De Moura, R.L. 2008. “Sample Costs to Establish and Produce Alfalfa, San Joaquin Valley, 300 Acre Planting.” University of California Cooperative Extension.

Myer, G. and Wilson, R.E. 1997 “Alfalfa Production Costs for the Diamond Valley, Nevada Area”, University of Nevada Cooperative Extension, Fact Sheet 97-03.

Myer, G., Bhattacharyya, A., Liu, J. 1998. “Alfalfa Seed Demand Analysis Using Panel Data from Seven Western States.” *Agribusiness* (14)2.

NAFA (National Alfalfa & Forage Alliance). 2007. “Peaceful Coexistence: Creating a Strategy for Harmony Among GM, Organic and Conventional Alfalfa Producers.” Denver, CO. October 10, 2007. <http://www.alfalfa.org>.

NAFA (National Alfalfa and Forage Alliance). 2008. “Coexistence for Alfalfa Hay Export Markets”. *NAFA*: 1-5.

Nandula, V.K., Reddy, K.N., Duke, S.O., and Poston, D.H. 2005. “Glyphosate-Resistant GT Weeds: Current Status and Future Outlook.” *Outlooks on Pest Management*, 183-187.

NAPPO. 2008. NAPPO approved standards. North American Plant Protection Organization. http://www.nappo.org/Standards/Std-e.html. Date Accessed: September 1, 2008.
National Cooperative Grocers Association (NCGA). 2010. Comments on APHIS Docket No. APHIS-2007-0044.

NRC (National Research Council). 2004. Safety of Genetically Engineered Foods: Approaches to Assessing Unintended Health Effects. The National Academies Press:Washington, D.C.

NRC (National Research Council). 2010. Impact of Genetically Engineered Crops on Farm Sustainability in the United States. The National Academies Press:Washington, D.C.

NBII. 2008. United States Regulatory Agencies Unified Biotechnology Website. National Biological Information Infrastructure, Center for Biological Informatics, United States Geological Survey. <http://usbiotechreg.nbii.gov/>. Accessed September 1, 2008.

NCAT. 2003. “NCAT’s Organic Crops Workbook: A guide to Sustainable and Allowed Practices.” <http://attra.ncat.org/attra-pub/PDF/cropsworkbook.pdf>.

Neibergs, J., Woodward, W., Peterson, P. “2008 Hay Market and Export Report Abstract.” pp16.< http://www.wa-hay.org/Proceedings/08%20Proceedings/2008%20Hay%20Market%20and%20Export%20Report%20Abstract%20-%20Niebergs.pdf >.

Nelson, B. 2008. Personal Communication 01 August 2008. President, National Alfalfa and Forage Alliance, St. Paul, Minnesota.

Neve, P. 2008. "Simulation Modeling to Understand the Evolution and Management of Glyphosate Resistance in Weeds." *Pest Management Science*. 64: 392-401.

Neibergs, J.S., William T. W. Woodward and Phil J. Peterson. 2008. "2008 Hay Market and Export Report Abstract."

Non-GMO Project, 2010a, *Home*. <http://www.nongmoproject.org/> Accessed July 31, 2010.

Non-GMO Project, 2010b, *FAQs*. <http://www.nongmoproject.org/>http://www.nongmoproject.org/industry/become-non-gmo-project-verified/faqs/> Accessed July 31, 2010.

Noussair, C., Robin, S., and Ruffieux, B. 2004. "Do Consumers Really Refuse to Buy Genetically Modified Food?" *The Economic Journal*, 114.

NSTC (U.S. National Science and Technology Council). 2008. "Scientific Assessment of the Effects of Global Change on the United States." Washington, D.C.: National Science and Technology Council (U.S.), Committee on Environment and Natural Resources. <http://www.ostp.gov/galleries/NSTC%20Reports/Scientific%20Assessment%20FULL%20Report.pdf>.

Offutt S. and C. Gundersen. 2005. Farm Poverty Lowest in U.S. History. Amber Waves, September. USDA Economic Research Service.

OMAFRA (2008), Guide to Weed Control, Technical report, Ontario Ministry of Agriculture, Food and Rural Affairs. <http://www.omafra.gov.on.ca/english/crops/pub75/1use.htm>.

Oregon Department of Fish and Wildlife (2008), Rehabilitating Habitat. http://www.dfw.state.or.us/Fire/fire_rehab.asp.

Oregon State University. 2004. Commercial Vegetable Production Guides; Sprout Production. http://nwrec.hort.oregonstate.edu/beansprt.html

Organic Farming Research Foundation (OFRF) 2004. Fourth National Organic Farmer's Survey: Sustaining Organic Farms in a Changing Organic Marketplace.

Organic Trade Association. 2006/2007. *Organic Trade Association 2006-2007 Manufacturer Survey*. Organic Trade Association, Greenfield, Massachusetts.

Organic Trade Association. 2007. *Organic Trade Association 2007 Manufacturer Survey*. Organic Trade Association, Greenfield, Massachusetts.

Organic Trade Association. 2008. Personal Communication and Response to Data Request, 01 August 2008.

Orloff, S.B., Carlson, H.L. and Teuber, L.R., ed. 1997. *Intermountain Alfalfa Management*. Vol. 3366, University of California, Division of Agriculture and Natural Resources. <http://ucce.ucdavis.edu/files/filelibrary/2129/18336.pdf>.

Orloff, S.B. and Putnam, D.H., 1997, Management and Replacement of Depleted Stands. In: *Intermountain Alfalfa Management*, Vol. 3366, Ch. 15, Ed. Orloff, S. B.; Carlson, H. L. & Teuber, L. R.Orloff, S. B.; Carlson, H. L. & Teuber, L. R., University of California, Division of Agriculture and Natural Resources. <http://ucce.ucdavis.edu/files/filelibrary/2129/18336.pdf>.

Orloff S, Canevari M, Lanini T. 2007. "Avoiding Weed Shifts and Resistance in Roundup Ready Alfalfa". *California Weed Science Society Journal* 3(1): 5–7.

Owen, M. 1998. "Pesticide Drift Complaints in 1998 on a Record Pace." Iowa State University Weed Science. <http://www.weeds.iastate.edu/weednews/drift.htm>.

Owen, M.D.K. 2008. Weed species shifts in glyphosate-resistant crops. *Pest Management Science* 64:377–387.

Parmesan, C. and G. Yohe, 2003. "A Globally Coherent Fingerprint of Climate Change Impacts Across Natural Systems." *Nature* 421:37–42.

Pasquet, R.S., Peltier, A., Hufford, M.B., Oudin, E., Saulnier, J., Paul, L., Knudsen, J.T., Herren, H.R., and Gepts, P. 2008. "Long-distance pollen flow assessment through evaluation of pollinator foraging range suggests transgene escape distances." *Proceedings of the National Academy of Sciences* 105(36): 13456-13461.

Peel, M.D. 1998. "Crop Rotations for Increased Productivity." Technical Report, North Dakota State University College of Agriculture, Food Systems, and Natural Resources. <http://www.ag.ndsu.edu/pubs/plantsci/crops/eb48-1.htm>.

Peters, E.J. and Linscott, D.L. 1988. "Weeds and Weed Control." 705-736. In Hanson, A.A., Barnes, D.K., and Hill, R.R (eds.) *Alfalfa and Alfalfa Improvement*. ASA-CSSA-SSSA, Madison, Wisconsin.

Peterson, R.K.D. and Shama, L.M. 2005. "A Comparative Risk Assessment of Genetically Engineered, Mutagenic, and Conventional Wheat Production Systems." *Transgenic Research* 14:859–875.

Pitts-Singer. 2008. Bee Pollination in Agricultural Ecosystems. <http://books.google.com/books?id=jMuShwtyem0C&lpg=PP1&pg=PA5#v=onepage&q&f=false>.

Poole 2001. Crop Rotation. University of Maryland Cooperative Extension. Fact Sheet 784.

Powell, J.R., and C.J. Swanton. 2008. A critique of studies evaluating glyphosate effects on diseases associated with *Fusarium* spp. *Weed Research* 48:307–318.

Powles, S.B. (2008), Evolution in action: Glyphosate-resistant Weeds Threaten World Crops. *Outlooks on Pest Management*, 19(6), 256-259.

Priester T, Kemman R, Rives Frank A, Turner L, McGaughey B, Howes D, Giddings J, Dressel S. 2007. An Analysis of Possible Risk to Threatened and Endangered Plant Species Associated with Glyphosate Use in Alfalfa: A County-Level Analysis.
Monsanto Study Number CS-2005-125.
http://www.aphis.usda.gov/biotechnology/alfalfa_eis.shtml

Priester T, Kemman R, Rives Frank A, Turner L, McGaughey B, Howes D, Giddings J, Dressel S. 2008. An Analysis of Possible Risk to Threatened and Endangered Plant Species Associated with Glyphosate Use in Alfalfa: A County-Level Analysis (Supplement).
Monsanto Study Number CS-2007-229.
http://www.aphis.usda.gov/biotechnology/alfalfa_eis.shtml

Puricelli, E. & Tuesca, D. 2005. "Weed Density and Diversity Under Glyphosate-resistant Crop Sequences." *Crop Protection* 24, 533–542.

Putnam, D.H. 1998. Contributions of Alfalfa to Wildlife and the Environment. In 28th National Alfalfa Symposium, 26–27 February, Bowling Green, KY. Certified Alfalfa Seed Council, Davis, CA.

Putnam, D., Russelle, M., Orloff, J., Kuhn, J., Fitzhugh, L., Godfrey, L., Kiess, A., Long, R. 2001. Alfalfa, wildlife, and the environment, the importance and benefits of alfalfa in the 21st century. California Alfalfa & Forage Association. Navato, CA.

Putnam, D. 2005. "Market Sensitivity and Methods to Ensure Tolerance of Biotech and Non-Biotech Alfalfa Production Systems." Proceedings, 35th California Alfalfa & Forage Symposium, Visalia, CA 12-14 December, 2005. UC Cooperative Extension, Agronomy Research and Extension Center. Plant Sciences Department, University of California, Davis.

Putnam, D. 2006. "Methods to Enable Coexistence of Diverse Production Systems Involving Genetically Engineered Alfalfa." *Agricultural Biotechnology in California Series*, Publication 8193. Technical report, University of California, Division of Agriculture and Natural Resources. <http://anrcatalog.ucdavis.edu/pdf/8193.pdf>.

Putnam, D. 2007. "Is it Possible for Genetically-Engineered (GE) and Non-GE Alfalfa to Coexist?" In Proceedings, 37th California Alfalfa & Forage Symposium, Monterey, CA, 17-19 December, 2007. UC Cooperative Extension, Agronomy Research and Information Center, Plant Sciences Department. <http://alfalfa.ucdavis.edu>.

Quiros, C.F. and Bauchan, G.R. 1988. "The Genus *Medicago* and the Origin of the *Medicago sativa* Complex." 93-124. In: Hanson, A.A., Barnes, D.K., and Hill Jr., R.R. (eds.) *Alfalfa and Alfalfa Improvement*. ASA-CSSA-SSSA, Madison, Wisconsin.

ReJesus, R.M., J.K. Greene, M.D. Hamming, and C.E. Curtis. 1997. Economic analysis of insect management strategies for transgenic Bt cotton production in South Carolina. Proceedings of the Beltwide Cotton Conferences, Cotton Economics and Marketing Conference 1:247–251.

Relyea, R.A. 2005. "The Lethal Impact of Roundup on Aquatic and Terrestrial Amphibians." *Ecological Applications* 15(4):1118–1124.

Renz, M. 2007. "Fall Alfalfa Removal Using Herbicides." University of Wisconsin. <http://alfalfa.ucdavis.edu/-files/pdf/Alf_Wild_Env_BrochureFINAL.pdf>.

Ridhay, H. and E. Brummer. 2004. "Dissection of Heterosis in Alfalfa Hybrids." Iowa state University. pp9.

Riddle, J. 2004. "Best Management Practices for Producers of GMO and non-GMO Crops". Endowed Chair in Agricultural Systems, University of Minnesota. <http://www.misa.umn.edu/vd/GMOlegal-21_web.pdf> Accessed July 2010.

Rigby D., Young, T., and Burton, M. 2004. "Consumer Willingness to Pay to Reduce GMOs in Food and Increase the Robustness of GM Labeling." Report to Department of the Environment, Food and Rural Affairs. University of Manchester.

Rimbey N., Neufeld J. and Smathers R. 2005. "Alfalfa Seed, Southwestern Idaho Crop Costs and Returns Estimate." EBB2-AS-05, University of Idaho College of Agriculture and Life Sciences.

Rincker, C.M., V.L. Marble, D.E. Brown, and C.A. Johansen. 1988. "Seed production practices." 985-1021. In Hanson, A.A., Barnes, D.K., and Hill Jr., R.R. (eds.) *Alfalfa and Alfalfa Improvement*. Agronomy Monograph no. 29. Hanson, A. A. editor. ASA-CSSA-SSSA, Madison, WI. 1084 pp.

Rogan, G. and Fitzpatrick, S. 2004. "Petition for Determination of Nonregulated Status: Roundup Ready Alfalfa (*Medicago sativa L*.) Events J101 and J163." Technical report, Monsanto. <http://www.aphis.usda.gov/brs/aphisdocs/04_11001p.pdf>.

Rosenzweig, C., Casassa, G., Karoly, D.J., Imeson, A., Liu, C., Menzel, A., Rawlins, S., Root, T.L., Seguin, B., and Tryjanowski, P. 2007. "Assessment of Observed Changes and Responses in Natural and Managed Systems." In: IPCC 2007. *Climate Change 2007: Impacts, Adaptation and Vulnerability. Contribution of Working Group II to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change*, M.L. Parry, O.F. Canziani, J.P. Palutikof, P.J. van der Linden, and C.E. Hanson (Eds.), Cambridge University Press, Cambridge, UK, pp. 79–131.

Sankula, S. 2006. "Quantification of the Impacts on U.S. Agriculture of Biotechnology-Derived Crops Planted in 2005." Technical Report, National Center for Food and Agricultural Policy. <http://www.ncfap.org/documents/Quantification%20of%20the%20Impacts%20on%20US%20Agriculture%20of%20Biotechnology.pdf>.

Schrock, O. 1943. “Beobachtungen an einem Bastard zwischen Luzerne (*Medicago media*) und Gelbklee (*Medicago lupulina*) and seiner Nachkommenschaft.” *Der Zuchter* 15:4-10.

Scribner, E.A., Battaglin, W.A., Gilliom, R., and Meyer, M. 2007. “Concentrations of Glyphosate, Its Degradation Product, Aminomethylphosphonic Acid, and Glufosinate in Ground-and-Surface-Water, Rainfall, and Soil Samples Collected in the United States, 2001-06.” Technical report, U.S. Department of the Interior, USGS. <http://pubs.usgs.gov/sir/2007/5122/>.

Sheesley, B. 1985. Alfalfa Seed Production, Cost Analysis Worksheet 1985, UC Cooperative Extension.

Shroyer, J.P.; Fjell. D.L & Mikesell,M.E. (1984), Timely Cutting of Alfalfa, Technical report, Kansas State University Cooperative Extension Service. http;//www.oznet.ksu.edu/pr_forage/pubs/as123.pdf

Shroyer, J.P., S.A. Staggenborg, B. Heer, S. Duncan, and D.E. Peterson. 2003. No-till Alfalfa Establishment After Small-grain Cereals. Kansas State University. <http://www.ksre.ksu.edu/library/crpsl2/l875.pdf>.

Shewmaker, G.E., Fransen, S.C., Bohle, M., Gray, A. and Cash, D. 2006. “Emerging Issues with Forages in the Northwest.” In Proceedings. 2006 Western Alfalfa & Forage Conference, Published by: UC Cooperative Extension, Agronomy Research and Extension Center, Plant Sciences Department, University of California, Davis 95616. <http://ucanr.org/alf_symp/2006/06-1.pdf>.

Short S.D. 2001. “Characteristics and Production Costs of U.S. Cow-Calf Operations.” Electronic Report from the Economic Research Service, USDA. Statistical Bulletin Number 974-3.

Sinskaya, E.N. (ed.). 1961. “Flora of Cultivated Plants of the USSR. XII. Part 1. Medic, Sweetclover, Fenugreek.” Jerusalem. Israel Program for Scientific Translation.

Smith N.G. 1997. Yellow-blossomed alfalfa on rangeland in South Dakota. *Rangelands* 19(4)24-25.

Smith, D., Beck, K., Peairs, F., and Brown, W. 1998. “Alfalfa: Production and Management.” Colorado State University Extension. <http://www.ext.colostate.edu/Pubs/crops/00703.html>, N.G. 1997. “Yellow-Blossomed Alfalfa on Rangeland in South Dakota.” *Rangelands* 19(4):24-25.

Southworth, W. 1928. “Influences Which Tend to Effect Seed Production in Alfalfa and an Attempt to Raise a High Seed Producing Strain by Hybridization.” *Sci. Agric.* 9:1-29.

Speth, T.F. 1994. “Glyphosate Removal from Drinking Water.” *J. of Environmental Engineering.* Vol 199, pp. 1139-1157.

Stark Jr., C.R. 1997. Economics of transgenic cotton: Some indications based on Georgia producers. Proceedings of the Beltwide Cotton Conference. Cotton Economics and Marketing Conference 1:251–254.

Statistics Canada, as reported by Industry Canada (2010) Trade Data Online. <http://www.ic.gc.ca/eic/site/tdo-dcd.nsf/eng/Home> Accessed July 2010.

Steinman, H. 2009. Allergens within Weed Pollens: Alfalfa. Uppsala, Sweden: Phadia AB.

Stellman, JM. 1998. *Encyclopaedia of Occupational Health and Safety: Chemical, Industries and Occupations*. Geneva: International Labour Office.

Stoltenberg, D. E. & Jeschke, M. R. n.d. "Occurrence and Mechanisms of Weed Resistance to Glyphosate." Technical report, University of Wisconsin-Madison. <http://www.soils.wisc.edu/extension/FAPM/2003proceedings/Stoltenberg.pdf>.

Strickler, K. and Vinson, J.W. 2000. "Simulation of the Effect of Pollinator Movement on Alfalfa Seed Set." *Environmental Entomology* 29:907–918.

Sullivan, J. 1992. "*Medicago sativa.*" In Fire Effects Information System. USDA. <http://www.fs.fed.us/database/feis/plants/forb/medsat/all.html>.

Teuber, L.R., Taggard, K.L., Gibbs, L.K., Orloff, S.E., Mueller, S.C., Frate, C.A., Putnam, D.H., and Volenec, J.J. 1998. Check cultivars, locations, and management of fall dormancy evaluation. P. 25. *In* Proc. 36th North American Alfalfa Improvement Conference, Bozeman, Montana. <http://www.naaic.org/Publications/1998Proc/abstracts/Teuber.html>.

The Ohio State University Extension. 2003. 2003 Alfalfa Haylage Production Budget.

Thomson, J., and L. Dininni. 2005. "What the Print Media Tell Us About Agricultural Biotechnology: Will We Remember?" *Choices* 20(4):247–252.

Torstensson, L.; Borjesson, E. & Stenstrom, J. 2005. "Efficacy and Fate of Glyphosate on Swedish Railway Embankments." *Pest Management Science* 61:881–886.

Trewavas, A. and Leaver, C. 2001. "Is Opposition to GM Crops Science or Politics? An Investigation into the Arguments that GMGM Crops Pose a Particular Threat to the Environment." *J. Environ. Qual.* 35:1633–1658.

Tsui, M., Chu, L. 2003. Aquatic Toxicity of Glyphosate-based formulations: Comparison between Different Organisms and the Effects of Environmental Factors. *Chemosphere* 52:1189–1197.

Undersander, D., R., Becker, D. Cosgrove, E. Cullen, J. Doll, C. Grau, K. Kelling, M. E. Rice, M. Schmitt, C. Sheaffer, G. Shewmaker, and M. Sulc. 2004. *Alfalfa Management Guide*. ASA-CSSA-SSSA, Madison, Wisconsin.

U.S. Census Bureau. 2009. American Community Survey. 1-Year Estimates. <http://factfinder.census.gov/servlet/DatasetMainPageServlet?_program=ACS&_submenuId=&_lang=en&_ts=>.

U.S. Census Bureau. 2009. Foreign Trade Statistics. http://www.census.gov/foreign-trade/index.html.

USDOL (United States Department of Labor). 2005. A Demographic and Employment Profile of United States Farm Workers. Findings from the National Agricultural Workers Survey (NAWS) 2001-2002. Research Report # 9. March.

U.S. EPA (United States Environmental Protection Agency). 1993. "Reregistration Eligibility Decision (RED): Glyphosate." Technical Report, Office of Prevention, Pesticides and Toxic Substances. EPA 738-R-93-014.

U.S. EPA (United States Environmental Protection Agency). 2001. The role of screening-level risk assessments and refining contaminants of concern in baseline ecological risk assessments. *ECO Update, Interim Bulletin.* Office of Solid Waste and Emergency Response. Publication 9345.0-14.

U.S. EPA (U.S. Environmental Protection Agency). 2004. Overview of the Ecological Risk Assessment Process in the Office of Pesticide Programs, U.S. Environmental Protection Agency, Endangered and Threatened Species Effects Determinations. Washington, D.C.

U.S. EPA. (United States Environmental Protection Agency). 2006a. Glyphosate Human Health Risk Assessment for Proposed Use on Indian Mulberry and Amended Use on Pea, Dry. Office of Prevention, Pesticides, and Toxic Substances. PC Code: 417300, Petition No: 5E6987, DP Num: 321992, Decision No. 360557.

U.S. EPA (U.S. Environmental Protection Agency). 2006b. Glyphosate New Use (bent-grass): Environmental Fate and Effects Risk Assessment. Technical Report, Office of Prevention, Pesticides, and Toxic Substances/ Environmental Fate and Effects Division.

U.S. EPA (United States Environmental Protection Agency). 2008a. Pesticides Topical and Chemical Fact sheets. http://www.epa.gov/pesticides/factsheets/spraydrift.htm.

US EPA. 2008b. Risks of glyphosate use to federally threatened California red-legged frog (*Rana aurora draytonii*). United States Environmental Protection Agency. Pesticide Effects Determination
http://www.epa.gov/espp/litstatus/effects/redleg-frog/glyphosate/determination.pdf

U.S. EPA. (United States Environmental Protection Agency). 2009. Glyphosate Summary Document and Registration Review Document for Glyphosate, Case Number 0178. June. <http://www.regulations.gov/search/Regs/home.html#docketDetail?R=EPA-HQ-OPP-2009-0361>.

U.S. EPA. (United States Environmental Protection Agency). 2010. Basic Information about Glyphosate in Drinking Water. Drinking Water Contaminants. <http://www.epa.gov/ogwdw000/contaminants/basicinformation/glyphosate.html> (last updated March 5, 2010).

U.S. FDA DHHS (United States Food and Drug Administration Department of Health and Human Services). 1998. *Public Meeting to Review the Current Science Relating to Sprouts and Needed Control Measures*, Volume 1. Washington, DC: Miller Reporting Company.

U.S. FDA (United States Food and Drug Administration). 1999. "Microbiological Safety Evaluations and Recommendations on Sprouted Seeds." National Advisory Committee on Microbiological Criteria for Food. <http://www.fda.gov/food/foodsafety/product-specificinformation/fruitsvegetablesjuices/ucm078789.htm> Accessed October 5, 2010.

U.S. FDA. (United States Food and Drug Administration). 2004a. Biotechnology Consultation Agency Response Letter BNF. 000084. CFSAN/Office of Food Additive Safety. December 8, 2004.

U.S. FDA (United States Food and Drug Administration). 2004b. Biotechnology Consultation Note to the File BNF No. 000084. Center for Food Safety and Applied Nutrition. <http://www.fda.gov/Food/Biotechnology/Submissions/ucm225108.htm> Accessed October 18, 2010.

U.S. FDA (United States Food and Drug Administration). 2004c. List of Completed Consultations on Bioengineered Foods. 2003. Glyphosate - human health and ecological risk assessment final report. Syracuse Environmental Research Associates, Inc. for USDA, Forest Service Forest Health Protection. GSA Contract No. GS-10F-0082F. March 1, 2003.

U.S. FDA (United States Food and Drug Administration). 2006. Guidance for Industry: Recommendations for the Early Food Safety Evaluation of New Non-Pesticidal Proteins Produced by New Plant Varieties Intended for Food Use. OMB Control No. 0910-0583. June. <http://www.fda.gov/Food/GuidanceComplianceRegulatoryInformation/GuidanceDocuments/Biotechnology/ucm096156.htm>.

United States General Accounting Office (GAO), 2001, Fluid Milk, Farm and Retail Prices and the Factors that Influence Them. Statement of Robert A. Robinson, Managing Director, Natural Resources and Environment, Subcommittee on Agriculture, Rural Development and Related Agencies, Committee on Appropriations, U.S. Senate. <http://www.gao.gov/new.items/d01730t.pdf>.

US-NARA 2008.

USDA. 2007. Colony collapse disorder action plan. http://ars.usda.gov/is/br/ccd.

U.S. Department of Agriculture (USDA). 2003. Glyphosate human health and ecological risk assessment final report. Prepared by Syracuse Environmental Research Associates, Inc. for USDA, Forest Service Forest Health Protection. GSA Contract No. GS-10F-0082F. March 1, 2003.

USDA APHIS. (United States Department of Agriculture, Animal and Plant Health Inspection Service.) 2010. "Plant Pest Risk Assessment for Glyphosate Tolerant Alfalfa Events J101 and J163." Biotechnology Regulatory Service. Riverdale, Maryland.

USDA-AMS (United States Department of Agriculture, Agricultural Marketing Service). 2006. <http://marketnews.usda.gov/portal/lg>.

USDA-AMS (United States Department of Agriculture, Agricultural Marketing Service). 2007. Livestock and Seed Program, Livestock and Grain Market News Branch: Hay reports <http://www.ams.usda.gov/lsmnpubs/hsum.htm>.

USDA-AMS (United States Department of Agriculture, Agricultural Marketing Service), 2008, Alfalfa Hay, California Market Summary.

USDA ARS. 2010. Questions and Answers: Colony Collapse Disorder. USDA Agricultural Research Service. http://www.ars.usda.gov/News/docs.htm?docid=15572.

USDA ARS (U.S. Department of Agriculture Agricultural Research Service). 2003. Invaders Database System. The University of Montana – Missoula. <http://invader.dbs.umt.edu/Noxious_Weeds/noxlist.asp. Accessed October 12, 2010>.

USDA ERS (United States Department of Agriculture, Economic Research Service). 2008a. Livestock, Dairy and Poultry Outlook Tables, <http://www.ers.usda.gov/publications/LDP/LDPTables.htm>.

USDA ERS (United States Department of Agriculture, Economic Research Service). 2008b. USDA Agriculture Projection to 2017. Office of the Chief Economist. February. <http://www.ers.usda.gov/Publications/OCE081/OCE20081.pdf>.

USDA-ERS, Economic Research Service. 2002. Economic Research Service/USDA <http://www.ers.usda.gov/publications/sb969/sb969e.pdf>.
USDA ERS FAS (United States Department of Agriculture Economic Research Service, Foreign Agricultural Service). 2002. "Production Practices for Major Crops in U.S. Agriculture, 1990-97." (page 58)2008a. Republic of Korea Agricultural Biotechnology Report 2008. GAIN Report. <http://www.fas.usda.gov/gainfiles/200807/146295192.pdf>.

USDA ERS FAS (United States Department of Agriculture, Economic Research Service, Foreign Agricultural Service). 2005a. "Milk Production Costs and Returns from the 2005

ARMS." 2008b Mexico Biotechnology. GAIN Report. <http://www.ersfas.usda.gov/data/CostsandReturnsgainfiles/200807/146295179.pdf>.

USDA ERS FAS (United States Department of Agriculture, Economic Research Service, Foreign Agricultural Service). 2005b. "Organic Production Tables." 2007a Saudi Arabia Biotechnology Update. GAIN Report. <http://www.ersfas.usda.gov/Data/Organic/gainfiles/200707/146291719.pdf>.

USDA ERS (United States Department of Agriculture, Economic Research Service). 2008. Livestock, Dairy and Poultry Outlook Tables, <http://www.ers.usda.gov/publications/LDP/LDPTables.htm>.

USDA ERS (U.S. Department of Agriculture Economic Research Service). 2010. Adoption of genetically engineered crops in the U.S. http://www.ers.usda.gov/data/biotechcrops/adoption.htm. Updated: July 1, 2010. Accessed: November 15, 2010.

USDA-FAS (United States Department of Agriculture Foreign Agricultural Service). 2006 US Trade Exports. <http://www.fas.usda.gov/ustrade/USTExBico.asp>.

USDA FAS (United States Department of Agriculture Foreign Agricultural Service). 2010. Mexico Biotechnology – GE plants and animals. Mexican government continues to support biotech crops. GAIN Report. <http://gain.fas.usda.gov/Recent%20GAIN%20Publications/Biotechnology%20-%20GE%20Plants%20and%20Animals_Mexico%20City_Mexico_14-07-2010.pdf> Accessed October 1, 2010.

USDA FS. (United States Department of Agriculture, Forest Service). 2003. "Glyphosate - Human Health and Ecological Risk Assessment: Final Report." Technical report, USDA, Forest Service. <http://teamarundo.org/control_manage/docs/04a03_glyphosate.pdf>.

USDA Livestock, Hay & Grain News. 2005. California Annual Hay Report.

USDA NASS (United States Department of Agriculture, National Agricultural Statistics Service). 1999. *1997 Census of Agriculture*. <http://www.agcensus.usda.gov/Publications/1997/>

USDA NASS (United States Department of Agriculture, National Agricultural Statistics Service). 2002. Census of Agriculture. <http://www.agcensus.usda.gov/Publications/2002/index.asp>

USDA NASS (United States Department of Agriculture, National Agricultural Statistics Service) 2007a. Census of Agriculture. <http://www.agcensus.usda.gov/Publications/2007/Full_Report/index.asp>

USDA NASS (United States Department of Agriculture, National Agricultural Statistics Service). 2007b. Acreage: <http://usda.mannlib.cornell.edu/MannUsda/viewDocumentInfo.do?documentID=1000>

USDA NASS (United States Department of Agriculture, National Agricultural Statistics Service). 2007. Agricultural Statistics: <http://www.nass.usda.gov/Publications/Ag_Statistics/2007/index.asp>.

USDA NASS (United States Department of Agriculture, National Agricultural Statistics Service). 2008. Agricultural Statistics: <http://www.nass.usda.gov/Publications/Ag_Statistics/2008/index.asp>.

USDA NASS (United States Department of Agriculture, National Agricultural Statistics Service). 2009. Agricultural Statistics: <http://www.nass.usda.gov/Publications/Ag_Statistics/2009/index.asp>.

USDA NASS (United States Department of Agriculture, National Agricultural Statistics Service), 2010, Crop Values, 2009 Summary, February. <http://usda.mannlib.cornell.edu/usda/current/CropValuSu/CropValuSu-02-19-2010.pdf>.

USDA NOP (United States Department of Agriculture, National Organic Program). 2008. "Organic Production and Handling Standards." U.S. FDA (Food and Drug Administration). 2004. Biotechnology Consultation Note to the File BNF No. 000084. <http://www.ams.usdacfsan.fda.gov/AMSv1.0/getfile?dDocName=STELDEV3004445&acct=nopgeninfo~rdb/bnfm084.html>.

USDA NRCS (U.S. Department of Agriculture Natural Resource Conservation Service). 2010. Invasive and Noxious Weeds. <http://plants.usda.gov/java/noxious?rptType=Federal> Accessed October 12, 2010.

U.S. Fish and Wildlife Service (USFWS). 2010a. Environmental Conservation Online System: Species Reports – Listed Plants. http://ecos.fws.gov/tess_public/pub/listedPlants.jsp. Accessed August 2, 2010. Last Updated: August 8, 2010.

U.S. Fish and Wildlife Service (USFWS). 2010b. Environmental Conservation Online System: Species Reports – Listed Animals. http://ecos.fws.gov/tess_public/pub/listedAnimals.jsp. Accessed August 2, 2010. Last Updated: August 8, 2010.

USGS (U.S. Geological Survey). 2010. Pesticide National Synthesis Product. 2002 Pesticide Use Map. <http://water.usgs.gov/nawqa/pnsp/usage/maps/show_map.php?year=02&map=m1099>. Accessed October 14, 2010.

USGS (U.S. Geological Survey). 2008. The Alfalfa Farmer's Friend. The National Biological Information Infrastructure (NBII) Program, Biological Informatics Office, U.S. Geological Survey.

http://pollinators.nbii.gov/community/Communities/Ecological_Topics/Pollinators/Pollinator_Species/Invertebrates/Bees_and_Wasps/

Vance, C.P., Heichel, G.H., and Phillips, D.A. 1988. "Nodulation and Symbiotic Dinitrogen Fixation." 229-257. In Hanson, A.A., Barnes, D.K., and Hill Jr., R.R. (eds.) *Alfalfa and Alfalfa Improvement*. ASA-CSSA-SSSA, Madison, Wisconsin.

Van Deynze, A., D.V., Putnam, S.D.H., Orloff, S., Lanini, M. T., and Canevari, R. Vargas, K. Hembree, S. Mueller, and L. Teuber.M. 2004. "Roundup Ready Alfalfa: An Emerging Technology." Publication 8153, Agricultural Biotechnology in California Series. Technical Report, University of California, Davis, Division of Agriculture and Natural Resources. <http://anrcatalog.ucdavis.edu/pdf/8153.pdf>.

Van Deynze A., Fitzpatrick S., Hammon B. 2008. 2008 CAST Alfalfa Report Task Force Critique. *The Center for Food Safety*. 1-4.

Vereecken, H. 2005. "Mobility and Leaching of Glyphosate: a Review." *Pest Management Science.* 61, 1139-1151.

Viands, D.R., Sun, Vance, C.P., Heichel, G.H., and Barnes Phillips, D.KA. 1988. "Pollination Control: Mechanical and Sterility." 931-960. "Nodulation and Symbiotic Dinitrogen Fixation." 229-257. In Hanson, A.A., Barnes, D.K., and Hill Jr., R.R. (eds.) *Alfalfa and Alfalfa Improvement*. Agronomy Monograph no. 29. Hanson, A. A. editor. ASA-CSSA-SSSA, Madison, WI.

Waggener, R. 2007. "Yellow-flowering Alfalfa Can Improve Native Rangelands." University of Wyoming. <http://uwadmnweb.uwyo.edu/UWag/news/Yellow-Alfalfa.asp>.

Ward, C. 2007. "Economics of Alfalfa Management." Oklahoma Cooperative Extension, 2007, Alfalfa Haylage, Estimated Costs and Returns per Acre, Publication 446-047-138. Service. Ch2:E826. <http://www.okstate.edu/OSU_Ag/agedcm4h/pearl/e826/ch2.htm>.

Wiebe, K. and Gollehon, N. 2006. "Information Bulletin 16 Agricultural Resources and Environmental Indicators 2006 Edition." Technical report, USDA. <http://turfweeds.contentsrvr.net/plant.php?do=view&batch=&id=184http://www.ers.usda.gov/publications/arei/eib16/eib16.pdf>.

Willer, H. and B. Geier. 2005. "More than 26 Million Certified Organic Hectares Worldwide." Press release issued by the International Federation of Organic Agriculture Movements, FiBL, SOL, NurnbergMesse.

Willer, H., Yussefi-Menzler M., and Sorensen N., 2008, *The World of Organic Agriculture: Statistics and Emerging Trends 2008.* Bonn, Germany: International Federation of Organic Agriculture Movements.

Williams, G.M., R. Kroes, and I. Munro. 2000. Safety evaluation and risk assessment of the herbicide Roundup and its active ingredient, glyphosate for humans. *Regulatory Toxicology and Pharmacology* 31:117–165.

Wind River Seed. 2009. Falcata Alfalfa. <http://www.windriverseed.com/15212%20-%20Falcata.pdf >.

Wisconsin Certified Seed (WCS). 2008. Wisconsin Seed Certification Standards. Wisconsin Crop Improvement Association Inc. <http://wcia.wisc.edu/2008StandardW.pdf>.

Withers, S. 2002. "Experimental Reclamation Project, Shrub Trial Plots - Brewery Creek Mine." Technical report, Mining Environment Research Group. <http://www.geology.gov.yk.ca/pdf/MPERG_2002_1.pdf>.

Woodward, W. 2004. "Issues with GMO Alfalfa in the Marketplace." In Proceedings, National Alfalfa Symposium, 13-15 December, 2004. UC Cooperative Extension. <http://extension.usualfalfa.ucdavis.edu/files/publications/publication/AG_Weeds_2008-01pr.pdf>.

Woodward, W. 2006. "2006 Hay Market and Export Report." In Proceedings. 2006 Washington State Hay Growers Association's Annual Conference & Trade Show, 18-19 January, Kennewick, WA. Washington State University, Livestock Economics.

Xu, L.; Boe, A.; Johnson, P. & Kephart, K. (2004), Effects of a Naturalized Population of Yellow-flowered Alfalfa on Species Richness and Biomass Production of Native Rangeland, Technical report, San Diego State University. http://sdstate.edu/ars/species/beef/beef-reports/loader/cfm?csModule=security/getfile&PageID=602582

Xuan, T. D.; Tawata, S.; Khanh, T. D. & Chung I. M 2005. "Cropping and Forage Systems/ Crop Ecology/ Organic Farming: Decomposition of Allelopathic Plants in Soil." *J. Agronomy & Crop Science* 191:162–171.

Young, B.G. 2006. Changes in Herbicide Use Pattern and Production Practices Resulting from Glyphosate-Resistant Crops. Weed Technology. 20:301-307 (Cited in Johnson et al. 2009).

Ziska, L.H., Teasdale, J.R., and Bunce, J.A. 1999. "Future Atmospheric Carbon Dioxide May Increase Tolerance to Glyphosate." *Weed Science* 47:608–615.

Ziska, L.H. and Goins, E.W. 2006. "Elevated Atmospheric Carbon Dioxide and Weed Populations in Glyphosate Treated Soybean." *Crop Science* 46:134–135.