

English Technical Publications on the Impacts of Biotech Products

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INSECT PROTECTED

(Bt) Corn

2001. Benefits Assessment. Revised BT Crops Assessment. EPA.

www.epa.gov/pesticides/biopesticides/otherdocs/bt_reassess/6-Benefits.pdf.

2000. Response of the Environmental Protection Agency to Petition for Rulemaking and Collateral Relief Concerning the Registration and Use of Genetically Engineered Plants Expressing Bacillus thuringiensis Endotoxins. Environmental Protection Agency (EPA): 1-112.

Bakan, B., Melcion, D., Richard-Molard, D., Cahagnier, B. 2002. Fungal Growth and Fusarium Mycotoxin Content in Isogenic Traditional Maize and Genetically Modified Maize Grown in France and Spain. *Journal of Agricultural and Food Chemistry*. 50: 728-731.

Betz, F., Hammond, B., Fuchs, R. 2000. Safety and Advantages of Bacillus thuringiensis-Protected Plants to Control Insect Pests. *Regulatory Toxicology and Pharmacology*. 32: 156–173.

Brookes, G. 2007. The Benefits of Adopting Genetically Modified Insect Resistant (Bt) Maize in the European Union (EU): First Results from 1998-2006 Plantings. PG Economics Ltd. 39 pages. www.pgeconomics.co.uk

Brookes, G. 2003. The Farm Level Impact of Using Bt Maize in Spain. 7th ICABR Int'l Conference, Ravello, Italy, June 29 to July 3, 2003: 1-17.

Brookes, G. 2002. The Farm Level Impact of Using Bt Maize in Spain. *Agricultural Biotechnology in Europe - ABE*: 1-23.

Cahagnier, B., Melcion, D. 2000. Mycotoxines de Fusarium Dans les Mais-grains a la Recolte; Relation Entre la Presence D'insectes (Pyrale, Sesamie) et la Teneur en Mycotoxines" *Proceedings of the 6th International Feed Conference, Food Safety: Current Situation and Perspectives in the European Community*. Piacenza, Italy (Editors: Piva, F. Masoero, M.) 27-28 November, 2000: 237-249.

Carpenter, J., Sankula, S., Silvers, C., Gianessi, L. 2004. Insecticidal Bacillus thuringiensis Plants Versus Chemical Insecticides. *ACS Symposium Series*, 866, *Agricultural Biotechnology*. 866. Chapter 3: 37 - 51.

Carpenter, J., Felsot, A., Goode, T., Hammig, M., Onstad, D., Sankula, S. 2002. Comparative Environmental Impacts of Biotechnology-derived and Traditional Soybean, Corn, and Cotton Crops. *Council for Agricultural Science and Technology CAST*: 1-189.

Carpenter, J. 2001. Case Studies in Benefits and Risk of Agricultural Biotechnology: Roundup Ready® Soybeans and Bt Field Corn. *National Center for Food and Agricultural Policy*: 1-56.

Carpenter, J., Gianessi, L. 2001. *Agricultural Biotechnology: Updated Benefit Estimates*. *National Center for Food and Agricultural Policy*: 1-48.

Clements, M., Campbell, K., White, D., Maragos, C., Pilcher, C. 2001. Effect of Insect Damage on *Fusaria* Ear Rot and Fumonisin Concentration in Bt and Non-Bt Corn Hybrids. IN: Proceedings of the 1st Fungal Genomics, 2nd Fumonisin Elimination and 14th Aflatoxin Elimination Workshops, Phoenix, Arizona. October 23-26, 2001: 71.

Dan, Y., Yan, H., Munyikwa, T., Dong, J., Zhang, Y., Armstrong, C. 2006. Microtom - A High-throughput Model Transformation System for Functional Genomics. *Plant Cell Reports*. 25(5): 432-441.

de la Campa, R., Hooker, D., Miller, J., Schaafsma, A., Hammond, B. 2005. Modeling Effects of Environment, Insect Damage, and Bt Genotypes on Fumonisin Accumulation in Maize in Argentina and the Philippines. *Mycopathologia*. 159: 539-552.

Dalmacio, S., Lugod, T., Serrano, E., . 2007. Reduced Incidence of Bacterial Rot on Transgenic Insect-Resistant Maize in the Philippines. *Plant Disease*. 91(4): 346-351.

Demont, M., Tollens, E. 2004. First Impact of Biotechnology in the EU - Bt Maize Adoption in Spain. *Annals of Applied Biology*. 145: 197-207.

Dowd, P. 2000. Indirect Reduction of Ear Molds and Associated Mycotoxins in Bacillus thuringiensis Corn Under Controlled and Open Field Conditions: Utility and Limitations. *Journal of Economic Entomology*. 93: 1669-1679.

Fernandez-Cornejo, J., McBride, W.D. 2000. Genetically Engineered Crops for Pest Management in U.S. Agriculture: Farm-Level Effects. Economic Research Service/U.S. Department of Agriculture-Agricultural Economic Report (AER)-786.

French, W. 2003. Testing Two Corn Rootworm Controls. *Agricultural Research*. January: 4-6.

Gianessi, L., Sankula, S., Reigner, N. 2003. Plant Biotechnology - Potential Impact for Improving Pest Management in European Agriculture. Maize Case Study. NCFAP. National Center for Food and Agricultural Policy: 1-21.

Gianessi, L., Sankula, S., Reigner, N. 2003. Plant Biotechnology - Potential Impact for Improving Pest Management in European Agriculture. A Summary of Three Case Studies. NCFAP. National Center for Food and Agricultural Policy: 1-12.

Gianessi, L., Silvers, C., Sankula, S., Carpenter, J. 2002. Plant Biotechnology - Current and Potential Impact for Improving Pest Management in US Agriculture. An Analysis of 40 Case Studies. NCFAP. National Center for Food and Agricultural Policy: 1-75.

Gianessi, L., Carpenter, J. 1999. Agricultural Biotechnology Insect Control Benefits. National Center for Food and Agricultural Policy: 1-78.

Glick, H. 2003. The Billion Dollar Bug - A New Transgenic Solution for Maize Growers. Int'l Consortium on Agricultural Biotechnology Research. 7th ICABR International Conference, Ravello, Italy, June 29-July 3, 2003: 1-14.

Hammond, B., Campbell, K., Pilcher, C., DeGooyer, T., Robinson, A., Rice, L., Pietri, A., Piva, G., Melcion, D., Cahagnier, B. 2001. Reduction of Fungal and Fumonisin Levels in Bt Corn.

IN: Proceedings of the 1st Fungal Genomics, 2nd Fumonisin Elimination and 14th Aflatoxin Elimination Workshops, Phoenix, Arizona. October 23-26, 2001: 54.

Heimlich, R., Fernandez-Cornejo, J., McBride, W., Klotz-Ingram, C., Jans, S., Brooks, N. 2000. Genetically Engineered Crops: Has Adoption Reduced Pesticide Use? *Agricultural Outlook*: 13-17.

Huesing, J., English, L. 2004. The Impact of Bt Crops on the Developing World. *AgBioforum*. 7(1-2): 84-95.

James, C. 2006. Global Status of Commercialized Biotech/GM Crops - 2005. Executive Summary. Brief 34. ISAAA: 1-12

James, C. 2003. Global Review of Commercialized Transgenic Crops: 2002 Feature: Bt Maize. ISAAA Brief 29: 1-199.

James, C. 2002. Global Review of Commercialized Transgenic Crops: 2001 Feature: Bt Cotton. ISAAA Brief 26: 1-184.

James, C. 2002. Preview: Global Review of Commercialized Transgenic Crops. ISAAA Brief 27: 1-24.

James, C. 2000. Global Status Of Commercialized Transgenic Crops: 1999. ISAAA Brief 17: 1-78.

James, C. 1999. Preview Global Review of Commercialized Transgenic Crops: 1999. ISAAA Brief 12: 1-16.

James, C. 1998. Global Review Of Commercialized Transgenic Crops 1998. ISAAA Briefs Brief 8: 1-52.

Kalaitzandonakes, N. 1999. A Farm Level Perspective on Agrobiotechnology: How Much Value and for Whom? *AgBioForum*. 2(2): 61-64.

Magg, T., Bohn, M., Klein, D., Meritaj, V., Melchinger, A. 2003. Concentration of Moniliformin Produced by *Fusarium* Species in Grains of Transgenic Bt Maize Hybrids Compared to Their Isogenic Counterparts and Commercial Varieties Under European Corn Borer Pressure. *Plant Breeding*. 122: 322 - 327.

Masoero, F., Moschini, M., Rossi, F., Prandini, A., Pietri, A. 1999. Nutritive Value, Mycotoxin Contamination and in Vitro Rumen Fermentation of Normal and Genetically Modified Corn (Cry1A(b)) Grown In Northern Italy. *Maydica*. 44(3): 205-209.

Marra, M., Pardey, P., Alston, J. 2002. The Payoffs to Agricultural Biotechnology - An Assessment of the Evidence. Environment and Production Technology Division (EBTD), International Food Policy Research Institute. No. 87: 1-57.

Minorsky, P. 2002. The Hot and the Classic. *Plant Physiology*. 129: 929-930.

Munkvold, G., Hellmich, R. 1999. Genetically Modified, Insect Resistant Corn: Implications for Disease Management. The American Phytopathological Society APSnet Plant Pathology OnLine a/o 2/20/06: 1-12. <http://www.apsnet.org/online/feature/BtCorn/Top.html>

Munkvold, G., Hellmich, R., Ross, P., Rice, L. 1999. Reductions in Fumonisin Concentrations Associated with Transgenic Control of European Corn Borer in Bt Maize Hybrids. International Conference on the Toxicology of Fumonisin: 53.

Munkvold, G., Hellmich, R., Rice, L. 1999. Comparison of Fumonisin Concentrations in Kernels of Transgenic Bt Maize Hybrids and Nontransgenic Hybrids. Plant Disease. 83(2): 130-138.

Munkvold, G., Hellmich, R., Showers, W. 1997. Reduced Fusarium Ear Rot and Symptomless Infection in Kernels of Maize Genetically Engineered for European Corn Borer Resistance. Phytopathology. 87(10): 1071-1077.

Odvody, G., Chilcutt, C. 2001. Aflatoxin and Insect-Response in South Texas of Near-Isogenic Corn Hybrids with Cry1Ab and Cry2Ab Events. In: Proceedings of the 1st Fungal Genomics, 2nd Fumonisin Elimination and 14th Aflatoxin Elimination Workshops, Phoenix, Arizona. October 23-26, 2001: 151.

Pietri, A., Piva, G. 2000. Occurrence and Control of Mycotoxins in Maize Grown in Italy. Proceedings of the 6th International Feed Conference, Food Safety: Current Situation and Perspectives in the European Community. Piacenza, Italy (G. Piva, F. Masoero edits) 27-28 November, 2000: 226-236.

Pimentel, D., Raven, P. 2000. Bt Corn Pollen Impacts on Non-target Lepidoptera: Assessment of Effects in Nature. (PNAS) Proceedings of the National Academies of Science. 97(15): 8198-8199.

Rice, M. 2004. Transgenic Rootworm Corn - Assessing Potential Agronomic, Economic and Environmental Benefits. Online(a/o 2/14/06). Plant Health Progress. 10 pages. doi:10.1094/PHP-2004-0301-01-RV: <http://www.plantmanagementnetwork.org/pub/php/review/2004/rootworm/>

Sankula, S. 2006. Quantification of the Impacts on US Agriculture of Biotechnology-derived Crops Planted in 2005. NCFAP. 110 pages.

Sankula, S., Marmon, G., Blumenthal, E. 2005. Biotechnology-Derived Crops Planted in 2004 - Impacts on US Agriculture. NCFAP. Pages 1-101.

Sankula, S., Blumenthal, E. 2004. Impacts on US Agriculture of Biotechnology-derived Crops Planted in 2003 - An Update of Eleven Case Studies. NCFAP National Center for Food and Agricultural Policy: 1-92.

Williams, W., Windham, G., Buckley, P., Perkins, J. 2005. Southwestern Corn Borer Damage and Aflatoxin Accumulation in Conventional and Transgenic Corn Hybrids. Field Crops Research. 91(2-3): 329 - 336.

Williams, W., Windham, G., Buckley, P., Daves, C. 2002. Aflatoxin Accumulation in Conventional and Transgenic Corn Hybrids Infested with Southwestern Corn Borer (Lepidoptera: Crambidae). *Journal of Agricultural and Urban Entomology*. 19(4): 227-236.

Wu, F., Miller, J., Casman, E. 2004. The Economic Impact of Bt Corn Resulting from Mycotoxin Reduction Special Issue - Aflatoxin and Food Safety - Part II. *Journal of Toxicology, Toxin Reviews*. 23(2/3): 397 - 424.

(Bt) Cotton

2001. Benefits Assessment. Revised BT Crops Assessment. EPA.
www.epa.gov/pesticides/biopesticides/otherdocs/bt_reassess/6-Benefits.pdf.
2000. Economics of Growing Transgenic Cotton. International Cotton Advisory Committee (ICAC) Recorder. 18(1): 1-48.
2000. Response of the Environmental Protection Agency to Petition for Rulemaking and Collateral Relief Concerning the Registration and Use of Genetically Engineered Plants Expressing Bacillus thuringiensis Endotoxins. Environmental Protection Agency (EPA): 1 - 112.
- Agnew, G., Baker, P. 2001. Pest and Pesticide Usage Patterns in Arizona Cotton. Proceedings of the Beltwide Cotton Conference. 2: 1046-1054.
- Armstrong, J., Leser, J., Kraemer, G. 2000. An Inventory of the Key Predators of Cotton Pests on Bt and Non-Bt Cotton in West Texas. Proceedings of the Beltwide Cotton Conference. 2: 1030-1033.
- Becker, H. 2001. Insecticides Reduced in Runoff from Bt Cotton. Agricultural Research Service: 1-2. <http://www.ars.usda.gov/is/pr/2001/010307.htm>
- Bennett, R., Kambhampati, U., Morse, S., Ismael, Y. 2006. Farm-level Economic Performance of Genetically Modified Cotton in Maharashtra, India. Review of Agricultural Economics. 28(1): 59-71.
- Bennett, R., Morse, S., Ismael, Y. 2006. The Economic Impact of Genetically Modified Cotton on South African Smallholders: Yield, Profit and Health Effects. Journal of Development Studies. 42(4): 662-677.
- Bennett, R., Ismael, Y., Kambhampati, U., Morse, S. 2004. Economic Impact of Genetically Modified Cotton in India. Agbioforum. 7(3): 1-5.
- Bennett, R., Morse, S., Ismael, Y. 2003. The Benefits of Bt Cotton to Small-scale Producers in Developing Countries - the Case of South Africa. 7th ICABR Int'l Conference on Public Goods and Public Policy for Agricultural Biotechnology, Ravello, Italy, June 29 to July 3, 2003. Pages 1-11.
- Bennett, A. 2002. The Impact of Bt-Cotton on Small Holder Production in the Makhathini Flats, South Africa.
www.monsantoafrica.com/reports/bt_report/BtCottonReport.html.
- Betz, F., Hammond, B., Fuchs, R. 2000. Safety and Advantages of Bacillus thuringiensis-Protected Plants to Control Insect Pests. Regulatory Toxicology and Pharmacology. 32: 156 - 173.

- Beyers, L., Ismael, Y., Piesse, J., Thirtle, C. 2002. Can GM-Technologies Help the Poor. The Efficiency of Bt Cotton Adopters in the Makhathini Flats of Kwazulu-Natal. *Agrekon*. 41(1): 62-74.
- Bosch, J., Fuchs, S., Pustejovsky, D., Mott, E., Albers, D. 2002. Yield and Economic Comparison of Bollgard® Varieties in the Texas Gulf Coast Region. *Proceedings of the 2002 Beltwide Cotton Production Conference Part 2 - Jan. 8-12, 2002*. 4 Pages.
- Bryant, K., Robertson, W., Lorenz, G. 1999. Economic Evaluation of Bollgard® Cotton in Arkansas. *Proceedings of the Beltwide Cotton Conference*. 1: 349-350.
- Bryant, K., Robertson, W., Lorenz, G. 1997. Economic Evaluation of Bollgard® Cotton in Arkansas: 1996. *Proceedings of the Beltwide Cotton Conference*. 1: 358-359.
- Butler, D., Cook, M.P. 2003. Northern Bobwhite Chick-arthropod Food Abundance in Insect Resistant GM Cotton Crops. *The BCPC International Congress - Crop Science and Technology 2003*. 10-12 November: 627-630.
- Cabanilla, L., Abdoulaye, T., Sanders, J. 2003. Economic Cost of Non-adoption of Bt Cotton in West Africa - With Special Reference to Mali. 7th ICABR Int'l Conference on Public Goods and Public Policy for Agricultural Biotechnology, Ravello, Italy, June 29 to July 3, 2003: 1-20.
- Carlson, G., Marra, M. 1998. Yield, Insecticide Use, and Profit Changes from Adoption of Bt Cotton in the Southeast. *Proceedings Beltwide Cotton Conferences*. 2: 973-974.
- Carpenter, J., Sankula, S., Silvers, C., Gianessi, L. 2004. Insecticidal Bacillus thuringiensis Plants Versus Chemical Insecticides. *ACS Symposium Series, 866, Agricultural Biotechnology*. 866. Chapter 3: 37-51.
- Carpenter, J., Felsot, A., Goode, T., Hammig, M., Onstad, D., Sankula, S. 2002. Comparative Environmental Impacts of Biotechnology-derived and Traditional Soybean, Corn, and Cotton Crops. *Council for Agricultural Science and Technology CAST*: 1-189.
- Carpenter, J., Gianessi, L. 2001. *Agricultural Biotechnology: Updated Benefit Estimates*. National Center for Food and Agricultural Policy: 1-48.
- Carpenter, J., Gianessi, L. 2000. Value of Bt and Herbicide-Resistant Cottons. *Proceedings Beltwide Cotton Conferences, San Antonio, USA*. 1: 76-79.
- Cattaneo, M., Yafuso, C., Schmidt, C., Huang, C., Rahman, M., Olson, C., Ellers-Kirk, C., Orr, B., Marsh, S., Antilla, L., Dutilleul, P., Carriere, Y. 2006. Farm-scale Evaluation of the Impacts of Transgenic Cotton on Biodiversity, Pesticide Use and Yield. *Proceedings of the National Academy of Sciences PNAS*. 103(20): 7571-7576.
- Cooke, F., Scott, W., Meeks, R., Parvin, D. 2000. The Economics of Bt Cotton in the Mississippi Delta-A Progress Report. *Proceedings of the Beltwide Cotton Conference*. 2: 332-334.

- de Bianconi, M.G. 2003. Two Years of Insect Protected Bt Transgenic Cotton in Argentina - Regional Field Level Analysis of Financial Returns and Insecticide Use. *Journal of New Seeds*. 5(2-3): 223-235.
- Deville, S., Mullins, J., Mills, J. 2002. Seven Years of Economic Comparisons of Bollgard® Cotton. *Proceedings of the 2002 Beltwide Cotton Production Conference Part 3A - Jan. 8-12, 2002*: 6 Pages.
- Edge, J., Benedict, J., Carroll, J., Reding, H. 2001. Bollgard® Cotton: An Assessment of Global Economic, Environmental and Social Benefits. *Journal of Cotton Science*. 5(2): 121-136.
- Elbehri, A., MacDonald, S. 2004. Estimating the Impact of Transgenic Bt Cotton on West and Central Africa: A General Equilibrium Approach. *World Development*. 32(12): 2049 - 2064.
- Elena, M. 2001. Economic Advantage of Transgenic Cotton in Argentina. *Proceedings of the Beltwide Cotton Conference*. 2: 1066-1068.
- Expert Panel on Biotechnology in Cotton. 2000. *International Cotton Advisory Committee*: 1-16.
- Falck-Zepeda, J., Traxler, G., Nelson, R. 2000. Rent Creation and Distribution from Biotechnology Innovations: The Case of Bt Cotton and Herbicide-tolerant Soybeans in 1997. *Agribusiness*. 16(1): 1 - 23.
- Falck-Zepeda, J., Traxler, G., Nelson, R. 2000. Surplus Distribution from the Introduction of a Biotechnology Innovation. *American Journal of Agricultural Economics*. 82: 360-369.
- Fernandez-Cornejo, J., McBride, W. 2000. Genetically Engineered Crops for Pest Management in U.S. Agriculture: Farm-Level Effects. *Economic Research Service/U.S. Department of Agriculture-Agricultural Economic Report (AER) – 786*: 1-23.
- Frisvold, G., Tronstad, R., Reeves, J. 2004. Impacts of Bt Cotton Adoption in the United States and China. *2004 Beltwide Cotton Conferences, San Antonio, TX - January 5-9*: Pages 638-640.
- Frisvold, G., Tronstad, R., Mortensen, J. 2000. Adoption of Bt Cotton: Regional Differences in Producer Costs and Returns. *Beltwide Cotton Conferences, Economics and Marketing Conference*: 1-7.
- Gianessi, L., Silvers, C., Sankula, S., Carpenter, J. 2002. *Plant Biotechnology - Current and Potential Impact for Improving Pest Management in US Agriculture. An Analysis of 40 Case Studies*. NCFAP. National Center for Food and Agricultural Policy: 1-75.

Gianessi, L., Silvers, C. 2001. The Potential for Biotechnology to Improve Crop Pest Management in the US: 30 Crop Study. National Center for Food and Agricultural Policy: 1-13.

Gianessi, L., Carpenter, J. 1999. Agricultural Biotechnology Insect Control Benefits. National Center for Food and Agricultural Policy: 1-78.

Gregory, P. 2002. Adoption of Bt Cotton by Small-scale Farmers in South Africa. Pesticide Outlook: 31-34.

Halcomb, J., Benedict, J., Cook, B., Ring, D. 1996. Survival and Growth of Bollworm and Tobacco Budworm on Non-transgenic and Transgenic Cotton Expressing a CryIA Insecticidal Protein (Lepidoptera: Noctuidae). Environmental Entomology. 25(2): 250-255.

Heimlich, R., Fernandez-Cornejo, J., McBride, W., Klotz-Ingram, C., Jans, S., Brooks, N. 2000. Genetically Engineered Crops: Has Adoption Reduced Pesticide Use?. Agricultural Outlook: 13-17.

Henneberry, T. 2003. History of Pink Bollworm -Lepidoptera-Gelechiidae- Control in the Southwestern Cotton Growing Areas of the United States and the Positive Impact of Transgenic Bt Cotton on Integrated Pest Management. Recent Research Development. Plant Science. 1: 111-132.

Hossain, F. , Pray, C. , Lu, Y. , Huang, J. , Fan, C. , Hu, R. 2004. Genetically Modified Cotton and Farmers' Health in China. International Journal of Occupational and Environmental Health. 10: 296-303.

Huang, J., Hu, R., Fan, C., Pray, C., Rozelle, S. 2003. Bt Cotton Benefits, Costs and Impacts in China. IDS Working Paper 202. Institute of Development Studies: 1-22.

Huang, J., Hu, R., Pray, C., Qiao, F., Rozelle, S. 2003. Biotechnology as an Alternative to Chemical Pesticides: A Case Study of Bt Cotton in China. Agricultural Economics. 29(1): 55 - 67.

Huang, J., Rozelle, S., Pray, C., Wang, Q. 2002. Plant Biotechnology in China. Science. 295: 674-677.

Huang, J., Hu, R., Rozelle, S., Qiao, F., Pray, C. 2001. Smallholders, Transgenic Varieties, and Production Efficiency. The Case of Cotton Farmers In China. Department of Agricultural and Resource Economics. University of California Davis. No. 01-015. 30 Pages.

Huesing, J. , English, L. 2004. The Impact of Bt Crops on the Developing World. AgBioforum. 7(1-2): 84-95.

Ismael, Y., Bennett, R., Morse, S., Buthelezi, J. 2002. Bt Cotton, Pesticides, Labour and Health - A Case Study of Smallholder Farmers in The Makhathini Flats, Republic of

South Africa. 6th International ICABR Conference, Ravello, Italy, July 11-14, 2002: 1-13.

Ismael, Y., Bennett, R., Morse, S. 2002. Do Small-scale Bt Cotton Adopters in South Africa Gain an Economic Advantage? 6th International ICABR Conference, Ravello, Italy, July 11-14, 2002: 1-16.

Ismael, Y., Beyers, L., Lin, L., Thirtle, C. 2002. Smallholder Adoption and Economic Impacts of Bt Cotton in the Makhathini Flats, South Africa. International Consortium on Agricultural Biotechnology Research (ICABR).
<http://www.economia.uniroma2.it/conferenze/icabr01/abstract/ismael.htm>

Ismael, Y., Bennett, R., Morse, S. 2001. Biotechnology in Africa - The Adoption and Economic Impacts of Bt Cotton in the Makhathini Flats, Republic of South Africa. AfricaBio Conference - Biotechnology Conference for Sub Saharan Africa, 26-27th September 2001, Johannesburg, South Africa: 1-20.

Ismael, Y., Bennett, R., Morse, S. 2001. Can Farmers in the Developing Countries Benefit from the Modern Technology - Experience from the Makhathini Flats, Republic of South Africa. Crop Biotech Brief - ISAAA 1(5). www.isaaa.org/kc.

Ismael, Y., Bennett, R., Morse, S. 2001. Farm Level Impact of Bt Cotton in South Africa. Biotechnology and Development Monitor. 48: 15-19.

Ismael, Y., Thirtle, C., Beyers, L. 2001. Efficiency Effects of Bt Cotton Adoption by Smallholders in Makhathini Flats. KwaZulu-Natal, South Africa Paper for the 5th International Conference on Biotechnology, Science and Modern Agriculture: A New Industry at the Dawn of the Century. Ravello, Italy, June 2000.

James, C. 2006. Global Status of Commercialized Biotech/GM Crops - 2005. Executive Summary. Brief 34. ISAAA: 1-12

James, C. 2004. Preview: Global Status of Commercialized Biotech/GM Crops. ISAAA Brief 32: 1-12.

James, C. 2003. Global Review of Commercialized Transgenic Crops: 2002 Feature: Bt Maize. ISAAA Brief 29: 1-199.

James, C. 2002. Global Review of Commercialized Transgenic Crops: 2001 Feature: Bt cotton. ISAAA Brief 26: 1-184.

James, C. 2002. Preview: Global Review of Commercialized Transgenic Crops. ISAAA Brief 27: 1-24.

James, C. 2001. Preview: Global Review of Commercialized Transgenic Crops. ISAAA Brief 21: 1-18.

- James, C. 2000. Global Status of Commercialized Transgenic Crops: 1999. ISAAA Brief 17: 1-78.
- James, C. 1998. Global Review of Commercialized Transgenic Crops. 1998. ISAAA Brief 8: 1-52.
- Jing-Yuan, X., Jie, C., Li-hua, M., Shuang-ling, D., Xue-fen, C. 1999. The Role of Transgenic Bt Cotton in Integrated Insect Pest Management (English Translation). *Acta Gossypii Sinica*. 11(2): 57- 64.
- Johnson, L. 2002. The Benefits of Biotech. *Cotton International*. 69: 48-50.
- Kalaitzandonakes, N., Suntornpithug, P. 2001. Why Do Farmers Adopt Biotech Cotton. *Beltwide Cotton Conferences*: 1-11.
- Karner, M., Hutson, A. L., Goodson, J. 2000. Bollgard® - Impact and Value to Oklahoma's Cotton Industry 1996 – 1999. *Proceedings of the Beltwide Cotton Conference*. 2: 1289-1293.
- Kirsten, J., Gouse, M., Jenkins, L. 2002. Bt Cotton in South Africa - Adoption and the Impact on Farm Incomes Amongst Small-Scale and Large-Scale Farmers. 6th International ICABR Conference, Ravello, Italy, July 11-14, 2002: 1-11.
- Knox, O., Constable, G., Pyke, B., Gupta, V. 2006. Environmental Impact of Conventional and Bt Insecticidal Cotton Expressing One and Two Cry Genes in Australia. *Australian Journal of Agricultural Research*. 57: 501-509.
- Klotz-Ingram, C., Jans, S., Fernandez-Cornejo, J., McBride, W. 1999. Farm-Level Production Effects Related to the Adoption of Genetically Modified Cotton for Pest Management. *AgBioForum*. 2(2): 73-84.
- Layton, M., Williams, M., Long, J. 2000. Performance of Bt Cotton in Mississippi, 1999. *Beltwide Cotton Conferences*. 2: 1037-1039.
- Lu, Y. , Pray, C. , Hossain, F. 2002. An Econometric Analysis of the Reduction in Pesticide Poisoning Due to Bt Cotton Use in China. 6th Int'l ICABR Conference, Ravello, Italy, July 11-14, 2002: 1-21.
- Marra, M., Pardey, P., Alston, J. 2002. The Payoffs to Agricultural Biotechnology - An Assessment of the Evidence. Environment and Production Technology Division (EBTD), International Food Policy Research Institute. No. 87: 1-57.
- Mellet, M., Schoeman, A., Broodryk, S. , Hofs, J. 2004. Bollworm (*Helicoverpa armigera* -hubner-, Lepidoptera: Noctuidae- Occurrences in Bt- and Non-Bt-cotton Fields, Marble Hall, Mpumalanga, South Africa. *African Entomology*. 12(1): 107-115.
- Morse, S., Bennett, R., Ismael, Y. 2007. Inequality and GM Crops: A Case-Study of Bt Cotton in India. *AgBioForum*. 10(1): 44-50.

- Morse, S., Bennett, R., Ismael, Y. 2006. Environmental Impact of Genetically Modified Cotton in South Africa. *Agriculture Ecosystems and Environment*. 117(4): 277-289.
- Morse, S., Bennett, R., Ismael, Y. 2005. Bt-cotton Boosts the Gross Margin of Small-scale Cotton Producers in South Africa Special Issue: Agricultural Biotechnology in Developing Countries: Perception, Politics and Policies. *International Journal of Biotechnology*. 7(1/2/3): 72 - 83.
- Morse, S., Bennett, R., Ismael, Y. 2004. Why Bt Cotton Pays for Small-Scale Producers in South Africa. *Nature Biotechnology*. 22(4): 379-380.
- Moser, H., McCloskey, W., Silvertooth, J. 2000. Performance of Transgenic Cotton Varieties in Arizona. *Proceedings of the Beltwide Cotton Conference*. 2: 497-499.
- Mullins, W., Hudson, J. 2004. Bollgard® II versus Bollgard® Sister-Line Economic Comparisons - 2003. 2004 Beltwide Cotton Conferences, San Antonio, TX - January 5-9: 1660-1661.
- Mullins, J., Mills, J. 1999. Economics of Bollgard® Versus Non-Bollgard® Cotton in 1998. *Proceedings of the Beltwide Cotton Conference*. 2: 958-961.
- Novillo, C., Soto, J., Costa, J. 1999. Resultados en Espana con Variedades de Algodon Protegidas Geneticamente Contra las Orugas de las Capsulas. *Bol. San. Beg. Plagas*. 25: 383-393.
- Pray, C., Ma, D., Huang, J., Qiao, F. 2001. Impact of Bt Cotton in China. *World Development*. 29(5): 1-34.
- Pray, C., Huang, J., Hu, R., Rozelle, S. 2002. Five Years of Bt Cotton in China - the Benefits Continue. *The Plant Journal*. 31(4): 423-430.
- Price, G., Lin, W., Falck-Zepeda, J., Fernandez-Cornejo, J. 2003. Size and Distribution of Market Benefits from Adopting Biotech Crops. USDA. ERS. Technical Bulletin Number 1906. November: 1-40.
- Purcell, J., Perlak, F. 2004. Global Impact of Insect-Resistant Bt Cotton. *AgBioForum*. 7(1-2): 27-30.
- Purcell, J., Oppenhuizen, M., Wofford, T., Reed, A., Perlak, F. 2004. The Story of Bollgard Cotton. *IN Handbook of Plant Biotechnology*. Eds. P. Christou, H. Klee. Pages 1147-1163.
- Qaim, M., De Janvry, A. 2005. Bt Cotton and Pesticide Use in Argentina: Economic and Environmental Effects. *Environment and Development Economics*. 10: 179 - 200.
- Qaim, M., Cap, E., Janvry, A. 2003. Agronomics and Sustainability of Transgenic Cotton in Argentina. *Agbioforum*. 6(1-2): 41-47.

- Qaim, M., Janvry, A. 2003. Bt Cotton, Pesticide Use and Resistance Development in Argentina. Int'l Consortium on Agricultural Biotechnology Research. 7th ICABR International Conference, Ravello, Italy, June 29-July 3, 2003: 1-25.
- Qaim, M. 2003. Bt Cotton in India: Field Trial Results and Economic Projections. *World Development*. 31(12): 2115-2127.
- Qaim, M., Zilberman, D. 2003. Yield Effects of Genetically Modified Crops in Developing Countries. *Science*. 299: 900-902.
- Reed, J. T., Stewart, S., Laughlin, D., Harris, A., Furr, R., Ruscoe, A. 2000. Bt and Conventional Cotton in the Hills and Delta of Mississippi: 5 Years of Comparison. *Proceedings of the Beltwide Cotton Conference*. 2: 1027-1030.
- ReJesus, R., Greene, J., Hammig, M., Curtis, E. 1997. Economic Analysis of Insect Management Strategies for Transgenic Bt Cotton Production in South Carolina. *Proceedings of the Beltwide Cotton Conference*. 1: 247-251.
- Ridge, R., Turnipseed, S., Sullivan, M. 2000. Field Comparison of Genetically-Modified Cottons Containing One Strain (Bollgard®) and Two Strains (Bollgard® II) of Bacillus thuringiensis kurstaki. *Proceedings of the Beltwide Cotton Conference*. 2: 1057-1058.
- Sankula, S. 2006. Quantification of the Impacts on US Agriculture of Biotechnology-derived Crops Planted in 2005. NCFAP. 110 pages.
- Sankula, S., Blumenthal, E. 2004. Impacts on US Agriculture of Biotechnology-derived Crops Planted in 2003 - An Update of Eleven Case Studies. NCFAP National Center for Food and Agricultural Policy: 1-92.
- Schell, J. 1997. Cotton Carrying the Recombinant Insect Poison Bt Toxin: No Case to Doubt the Benefits of Plant Biotechnology. *Current Opinion in Biotechnology*. 8(2): 235-236.
- Seward, R., Shelby, P., Danehower, S. 2000. Performance and Insect Control Cost of Bollgard® vs Conventional Varieties in Tennessee. *Proceedings of the Beltwide Cotton Conference*. 2: 1055-1057.
- Shankar, B., Thirtle, C. 2005. Pesticide Productivity and Transgenic Cotton Technology - The South African Smallholder Case. *Journal of Agricultural Economics*. 56(1): 97-116.
- Smith, R. 1997. An Extension Entomologist's 1996 Observations of Bollgard® (Bt) Technology. *Proceedings of the Beltwide Cotton Conference*. 2: 856-858.
- Stark, C. 1997. Economics of Transgenic Cotton: Some Indications Based on Georgia Producers. *Proceedings of the Beltwide Cotton Conference*. 1: 251-253.

Teran, A., Martinez-Carrillo, J., Rodriguez, C., Blanco, CA. 2006. Bollgard® Cotton and Pyrethroid Resistance in Tobacco Budworm in Tamaulipas, Mexico. Proceedings - Beltwide Cotton Conferences. 1104-1111.

Teran-Vargas, A., Rodriguez, J., Blanco, C., Martinez-Carrillo, J., Cibrian-Tovar, J., Sanchez-Arroyo, H., Rodriguez-Del-Bosque, L., Stanley, D. 2005. Bollgard® Cotton and Resistance of Tobacco Budworm (Lepidoptera: Noctuidae) to Conventional Insecticides in Southern Tamaulipas, Mexico. Journal of Economic Entomology. 98(6): 2203-2209.

Traxler, G., Godoy-Avila, S. 2004. Transgenic Cotton in Mexico. AgBioForum. 7(1-2): 57-62.

Traxler, G., Godoy-Avila, S., Falck-Zepeda, J., Espinoza-Arellano, J. 2001. Transgenic Cotton in Mexico: Economic and Environmental Impacts. Abstract Online. www.biotech-info.net/Bt_cotton_Mexico.html.

Traxler, G., Falck-Zepeda, J. 1999. The Distribution of Benefits from the Introduction of Transgenic Cotton Varieties. AgBioForum. 2(2): 94 - 98.

Wier, A., Mullins, J., Mills, J. 1998. Bollgard® Cotton-Update and Economic Comparisons Including New Varieties. Proceedings of the Beltwide Cotton Conference. 2: 1039-1040.

Williams, M. 1997. Cotton Insect Losses 1979–1996. Proceedings Beltwide Cotton Conferences. 2: 854-856.

Xia, J., Cui, J., Ma, L., Dong, S., Cui, X. 1999. The Role of Transgenic Bt Cotton in Integrated Insect Pest Management. Acta Gossypii Sim. 11: 57–64.

(Bt) Potato

2000. Response of the Environmental Protection Agency to Petition for Rulemaking and Clooateral Relief Concerning the Registration and Use of Genetically Engineered Plants Expressing Bacillus thuringiensis Endotoxins. Environmental Protection Agency (EPA): 1-112.

Betz, F., Hammond, B., Fuchs, R. 2000. Safety and Advantages of Bacillus thuringiensis-Protected Plants to Control Insect Pests. Regulatory Toxicology and Pharmacology. 32: 156-173.

Gianessi, L., Silvers, C., Sankula, S., Carpenter, J. 2002. Plant Biotechnology - Current and Potential Impact for Improving Pest Management in US Agriculture. An Analysis of 40 Case Studies. NCFAP. National Center for Food and Agricultural Policy: 1-75.

James, C. 2002. Global Review of Commercialized Transgenic Crops: 2001 Feature: Bt cotton. ISAAA Brief 26: 1-184.

Massieu, Y., Gonzalez, R., Chauvet, M., Castaneda, Y., Barajas, R. 2000. Transgenic Potatoes for Small-scale Farmers: A Case Study in Mexico. Biotechnology and Development Monitor. 41: 6-10.

Perlak, F., Stone, T., Muskopf, Y., Petersen, L., Parker, G., McPherson, S., Wyman, J., Love, S., Reed, G., Biever, D., Fischhoff, D. 1993. Genetically Improved Potatoes: Protection from Damage by Colorado Potato Beetles. Plant Molecular Biology. 22: 313–321.

Reed, G., Jensen, A., Riebe, J., Head, G., Duan, J. 2001. Transgenic Bt Potato and Conventional Insecticides for Colorado Potato Beetle Management - Comparative Efficacy and Non-target Impacts. Entomologia Experimentalis et Applicata. 100: 89-100.

ROUNDUP READY®

RR Canola

2001. An Agronomic and Economic Assessment of Transgenic Canola. Canola Council of Canada: 1-95.

www.canola-council.org/manual/GMO/gmo_main.htm

Felsot, A. 2000. Herbicide Tolerant Genes: Part 1: Squaring Up Roundup Ready® Crops. *Agrichemical and Environmental News*. 173: 8-15.

Fulton, M., Keyowski, L. 1999. The Producer Benefits of Herbicide-Resistant Canola. *AgBioForum*. 2(2): 1-11.

Gianessi, L. 2005. Economic and Herbicide Use Impacts of Glyphosate-resistant Crops. *Pest Management Science*. 61(3): 241 - 245.

Gianessi, L., Sankula, S., Reigner, N. 2003. Plant Biotechnology - Potential Impact for Improving Pest Management in European Agriculture. Oilseed Rape - Herbicide Tolerant Case Study. NCFAP. National Center for Food and Agricultural Policy: 1-18.

James, C. 2006. Global Status of Commercialized Biotech/GM Crops - 2005. Executive Summary. Brief 34. ISAAA: 1-12

James, C. 2002. Global Review of Commercialized Transgenic Crops: 2001 Feature: Bt Cotton. ISAAA Brief 26: 1-184.

James, C. 2002. Preview: Global Review of Commercialized Transgenic Crops. ISAAA Brief 27: 1-24.

O'Donovan, J., Harker, K., Clayton, G., Blackshaw, R. 2006. Comparison of a Glyphosate-Resistant Canola (*Brassica napus* L.) System with Traditional Herbicide Regimes. *Weed Technology*. 20: 494-501.

Sankula, S., Blumenthal, E. 2004. Impacts on US Agriculture of Biotechnology-derived Crops Planted in 2003 - An Update of Eleven Case Studies. NCFAP National Center for Food and Agricultural Policy: 1-92.

Serecon Mgmt Consulting, Koch Paul Assoc. 2001. An Agronomic and Economic Assessment of Transgenic Canola. Canola Council of Canada: 1-101.

Upadhyay, B., Smith, E., Clayton, G., Harker, K., Blackshaw, R. 2006. Economics of Integrated Weed Management in Herbicide-resistant Canola. *Weed Science*. 54(1): 138-147.

Williams, I.H. 2002. The EU Regulatory Framework for GM Crops in Relation to Bees. *Bee World*. 83(1): 24-35.

RR Corn

- Carpenter, J. E., Gianessi, L. 2001. Agricultural Biotechnology: Updated Benefit Estimates. NCFAP. National Center for Food and Agricultural Policy. 1-48.
- Felsot, A. 2000. Herbicide Tolerant Genes: Part 1: Squaring Up Roundup Ready® Crops. *Agrichemical and Environmental News*. 173: 8-15.
- Gianessi, L. 2005. Economic and Herbicide Use Impacts of Glyphosate-resistant Crops. *Pest Management Science*. 61(3): 241 - 245.
- Gianessi, L., Silvers, C., Sankula, S., Carpenter, J. 2002. Plant Biotechnology - Current and Potential Impact for Improving Pest Management in US Agriculture. An Analysis of 40 Case Studies. NCFAP. National Center for Food and Agricultural Policy: 1-75.
- Heimlich, R., Fernandez-Cornejo, J., McBride, W., Klotz-Ingram, C., Jans, S., Brooks, N. 2000. Genetically Engineered Crops: Has Adoption Reduced Pesticide Use? *Agricultural Outlook*: 13 - 17.
- James, C. 2002. Global Review of Commercialized Transgenic Crops: 2001 Feature: Bt Cotton. *ISAAA Brief 26*: 1-184.
- James, C. 2002. Preview: Global Review of Commercialized Transgenic Crops. *ISAAA Brief 27*: 1-24.
- Milkov, E., Sabau, I., Czepo, M., Molnar, J., Radu, C., Velcev, M. 2001. Agronomic, Ecological and Economical Benefits of RR Corn in Balkan and Central European Region. In: *Current Methods of Protection and Novel Approaches to Weed Control Using New Classes of Herbicides and Transgenic Plants Resistant to Herbicides*. Moscow Nauka, 2001. Series "Genetic Engineering and Ecology", Volume 2. Editors: K, Skryabin, Y Spiridonov: 76
- Ruiz, P., Novillo, C., Fernandez-Anero, J. 2001. Soil Arthropods in Glyphosate Tolerant and Isogenic Maize Lines Under Different Soil/Weed Management Practices. In: *Proceedings Addendum of First World Congress on Conservation Agriculture, Madrid, 1-5 October, 2001*: 3-7.
- Sankula, S. 2006. Quantification of the Impacts on US Agriculture of Biotechnology-derived Crops Planted in 2005. NCFAP. 110 pages.
- Sankula, S., Blumenthal, E. 2004. Impacts on US Agriculture of Biotechnology-derived Crops Planted in 2003 - An Update of Eleven Case Studies. NCFAP. National Center for Food and Agricultural Policy: 1-92.
- Schier, A. 2006. Field Study on the Occurrence of Ground Beetles and Spiders in Genetically Modified, Herbicide Tolerant Corn in Conventional and Conservation Tillage Systems. *Journal of Plant Diseases and Protection*. Special Issue: 101-113

RR Cotton

Carpenter, J., Felsot, A., Goode, T., Hammig, M., Onstad, D., Sankula, S. 2002. Comparative Environmental Impacts of Biotechnology-derived and Traditional Soybean, Corn, and Cotton Crops. Council for Agricultural Science and Technology CAST: I-189.

Carpenter, J., Gianessi, L. 2001. Agricultural Biotechnology: Updated Benefit Estimates. NCFAP. National Center for Food and Agricultural Policy: 1-48.

Carpenter, J., Gianessi, L. 2000. Value of Bt and Herbicide-Resistant Cottons. 2000. Proceedings Beltwide Cotton Conferences, San Antonio, USA. 1: 76-79.

Crossan, A., Kennedy, I. 2004. A Snapshot of Roundup Ready Cotton in Australia: Are there Environmental Benefits from the Rapid Adoption of Roundup Ready® Cotton in Australia? University of Sydney: 1-13.

Culpepper, A., York, A. 2000. Weed Management in Ultra Narrow Row Cotton (Gossypium Hirsutum). Weed Technology. 14(1): 19-29.

Falck-Zepeda, J., Traxler, G., Nelson, R. 2000. Surplus Distribution from the Introduction of a Biotechnology Innovation. American Journal of Agricultural Economics. 82: 360-369.

Felsot, A. 2000. Herbicide Tolerant Genes: Part 1: Squaring Up Roundup Ready® Crops. Agrichemical and Environmental News. 173: 8-15.

Gianessi, L. 2005. Economic and Herbicide Use Impacts of Glyphosate-resistant Crops. Pest Management Science. 61(3): 241 - 245.

Gianessi, L. , Silvers, C. , Sankula, S. , Carpenter, J. 2002. Plant Biotechnology - Current and Potential Impact for Improving Pest Management in US Agriculture. An Analysis of 40 Case Studies. NCFAP. National Center for Food and Agricultural Policy: 1-75.

Heimlich, R., Fernandez-Cornejo, J., McBride, W., Klotz-Ingram, C., Jans, S., Brooks, N. 2000. Genetically Engineered Crops: Has Adoption Reduced Pesticide Use? Agricultural Outlook: 13-17.

James, C. 2002. Global Review of Commercialized Transgenic Crops: 2001 Feature: Bt Cotton. ISAAA Brief 26: 1-184.

James, C. 2002. Preview: Global Review of Commercialized Transgenic Crops. ISAAA Brief 27: 1-24.

Johnson, L. 2002. The Benefits of Biotech. Cotton International. 69: 48-50.

Kalaitzandonakes, N., Suntornpithug, P. 2001. Why Do Farmers Adopt Biotech Cotton? Beltwide Cotton Conferences: 1-11.

Morse, S., Bennett, R., Ismael, Y. 2005. Genetically Modified Insect Resistance in Cotton: Some Farm Level Economic Impacts in India. *Crop Protection*. 24(5): 433 - 440.

Palmer, E., Westerman, R., Murray, D. 1999. Economics and Species Shifts in Roundup Ready® Cotton. *Proceedings, Southern Weed Science Society*. 52: 7

Price, G., Lin, W., Falck-Zepeda, J., Fernandez-Cornejo, J. 2003. Size and Distribution of Market Benefits from Adopting Biotech Crops. USDA. ERS. Technical Bulletin Number 1906. November: 1-40.

Sankula, S. , Blumenthal, E. 2004. Impacts on US Agriculture of Biotechnology-derived Crops Planted in 2003 - An Update of Eleven Case Studies. NCFAP. National Center for Food and Agricultural Policy: 1-92.

Snipes, C. 1995. The Need for Post-emergence Broadleaf Weed Control in Cotton - Biotechnology's Impact. *Proceedings Southern Weed Science Society*. 48: 35-36.

Traxler, G., Falck-Zepeda, J. 1999. The Distribution of Benefits from the Introduction of Transgenic Cotton Varieties. *AgBioForum*. 2(2): 94-98.

RR Soybean

2001. Conservation Tillage Study. American Soybean Association: 1-22.

Baldwin, F. 2000. Transgenic Crops: A View from the US Extension Service. *Pest Management Science*. 56(7): 584-585.

Barnes, R. 2000. Why the American Soybean Association Supports Transgenic Soybeans. *Pest Management Science*. 56(7): 580-583.

Brookes, G. 2005. The Farm-Level Impact of Herbicide-Tolerant Soybeans in Romania. *AgBioForum*. 8(4): 235-241.

Brookes, G. 2003. The Farm Level Impact of Using Roundup Ready® Soybeans in Romania. 27 pages. <http://www.pgeconomics.co.uk/publications.htm>

Carpenter, J., Felsot, A., Goode, T., Hammig, M., Onstad, D., Sankula, S. 2002. Comparative Environmental Impacts of Biotechnology-derived and Traditional Soybean, Corn, and Cotton Crops. Council for Agricultural Science and Technology CAST: 1-189.

Carpenter, J. 2001. Case Studies in Benefits and Risk of Agricultural Biotechnology: Roundup Ready® Soybeans and Bt Field Corn. NCFAP. National Center for Food and Agricultural Policy: 1-56.

Carpenter, J., Gianessi, L. 2001. Agricultural Biotechnology: Updated Benefit Estimates. NCFAP. National Center for Food and Agricultural Policy: 1-48.

Carpenter, J., Gianessi, L. 2000. Herbicide Use on Roundup Ready® Crops [Letter]. *Science*. 287(5454): 803.

Carpenter, J. Gianessi, L. 1999. Why U.S. Farmers are Adopting Genetically Modified Crops. *Economic Perspectives*. 4(4): 20-23.

Falck-Zepeda, J., Traxler, G., Nelson, R. 2000. Rent Creation and Distribution from Biotechnology Innovations: The Case of Bt Cotton and Herbicide-tolerant Soybeans in 1997. *Agribusiness*. 16(1): 1-23.

Falck-Zepeda, J., Traxler, G., Nelson, R. 2000. Surplus Distribution from the Introduction of a Biotechnology Innovation. *American Journal of Agricultural Economics*. 82: 360-369.

Felsot, A. 2000. Herbicide Tolerant Genes: Part 1: Squaring Up Roundup Ready® Crops. *Agrichemical and Environmental News*. 173: 8-15.

Fernandez-Cornejo, J., Klotz-Ingram, C., Jans, S. 1999. Farm-Level Effects of Adoption Herbicide-Tolerant Soybeans in the U.S.A. *Transitions in Agbiotech: Economics of Strategy and Policy*, W. Lesser and J. Caswell, editors. Food Marketing Policy Center, University of Connecticut.

- Gianessi, L. 2005. Economic and Herbicide Use Impacts of Glyphosate-resistant Crops. *Pest Management Science*. 61(3): 241 - 245.
- Gianessi, L., Silvers, C., Sankula, S., Carpenter, J. 2002. Plant Biotechnology - Current and Potential Impact for Improving Pest Management in US Agriculture. An Analysis of 40 Case Studies. NCFAP. National Center for Food and Agricultural Policy: 1-75.
- Gianessi, L., Silvers, C. 2001. The Potential for Biotechnology to Improve Crop Pest Management in the US, 30 Crop Study. NCFAP. National Center for Food and Agricultural Policy: 1-13.
- Gianessi, L., Carpenter, J. 2000. Agricultural Biotechnology Benefits of Transgenic Soybeans. NCFAP. National Center for Food and Agricultural Policy 8-30-2000: 1-103.
- Heimlich, R. E., Fernandez-Cornejo, J., McBride, W., Klotz-Ingram, C., Jans, S., Brooks, N. 2000. Genetically Engineered Crops: Has Adoption Reduced Pesticide Use? *Agricultural Outlook*: 13-17.
- James, C. 2002. Preview: Global Review of Commercialized Transgenic Crops. ISAAA Brief 27: 1-24.
- James, C. 2002. Global Review of Commercialized Transgenic Crops: 2001 Feature: Bt Cotton. ISAAA Brief 26: 1-184.
- James, C. 2000. Global Status of Commercialized Transgenic Crops: 1999. ISAAA Brief 17: 1-78.
- James, C. 1999. Preview Global Review of Commercialized Transgenic Crops: 1999. ISAAA Brief 12: 1-16.
- James, C. 1998. Global Review of Commercialized Transgenic Crops 1998. ISAAA Briefs Brief 8: 1-52.
- James, C. 1997. Global Status of Transgenic Crops in 1997. ISAAA Brief 7: 1-38.
- Kalaitzandonakes, N. 1999. A Farm Level Perspective on Agrobiotechnology: How Much Value and for Whom? *AgBioForum*. 2(2): 61-64.
- Marra, M., Pardey, P., Alston, J. 2002. The Payoffs to Agricultural Biotechnology - An Assessment of the Evidence. Environment and Production Technology Division (EBTD), International Food Policy Research Institute. No. 87: 1-57.
- Miller, J. 2000. Biotech Boosts Natural Bounty. *Today's Chemist at Work*: 38-44.
- Moschini, G., Lapan, H., Sobolevsky, A. 2000. Roundup Ready® Soybeans and Welfare Effects in the Soybean Complex. *Agribusiness*. 16(1): 33-55.

Norsworthy, J., Shipe, E. 2006. Evaluation of Glyphosate-resistant Glycine max Genotypes for Competitiveness at Recommended Seeding Rates in Wide and Narrow Rows. *Crop Protection*. 25(4): 362 - 368.

Price, G., Lin, W., Falck-Zepeda, J., Fernandez-Cornejo, J. 2003. Size and Distribution of Market Benefits from Adopting Biotech Crops. USDA. ERS. Technical Bulletin Number 1906. November: 1-40.

Qaim, M., Traxler, G. 2005. Roundup Ready® Soybeans In Argentina: Farm Level and Aggregate Welfare Effects. *Agricultural Economics*. 32(1): 73 - 86.

Qaim, M., Traxler, G. 2002. Roundup Ready® Soybeans in Argentina - Farm Level, Environmental and Welfare Effects. 6th Int'l ICABR Conference, Ravello, Italy, July 11-14, 2002: 1-15.

Roberts, P., Pendergrass, R., Hayes, R. 1999. Economic Analysis of Alternative Herbicide Regimes on Roundup Ready® Soybeans. *Journal of Production Agriculture*. 12(3): 449-454.

Sankula, S. 2006. Quantification of the Impacts on US Agriculture of Biotechnology-derived Crops Planted in 2005. NCFAP. 110 pages.

Sankula, S., Blumenthal, E. 2004. Impacts on US Agriculture of Biotechnology-derived Crops Planted in 2003 - An Update of Eleven Case Studies. NCFAP. National Center for Food and Agricultural Policy: 1-92.

Trigo, E., Cap, E. 2006. Ten Years of Genetically Modified Crops in Argentine Agriculture. Argentine Council for Information and Development of Biotechnology - ArgenBio: 1-52.

Trigo, E., Cap, E. 2003. The Impact of the Introduction of Transgenic Crops in Argentinean Agriculture. *AgBioForum*. 6(3): 87-94.

RR Sugar Beet

Bennett, R., Phipps, R., Strange, A. 2006. An Application of Life-cycle Assessment for Environmental Planning and Management - The Potential Environmental and Human Health Impacts of Growing Genetically-modified Herbicide-tolerant Sugar Beet. *Journal of Environmental Planning and Management*. 49(1): 59-74.

Brants, I., Harms, H. 1998. Herbicide Tolerant Sugar Beet. Proceedings of the 61st IIRB (Institut International de Recherches Betteravières) Congress, 11-12 February 1998, Brussels.

Coghlan, A. 2003. GM Sugar Beet Far More Environmentally Friendly. *New Scientist.com*: 1-2. Online a/o 7/29/07.
<http://www.newscientist.com/article.ns?id=dn4444>

Coyette, B., Tencalla, F., Brants, I., Fichet, Y. 2002. Effect of Introducing Glyphosate-Tolerant Sugar Beet on Pesticide Usage in Europe: 219-223.

Dewar, A., Haylock, L., Garner, B., Sands, R., May, M. 2003. Environmentally-friendly Crop Protection in GM Herbicide-tolerant Sugar Beet. 7th ICABR Int'l Conference on Public Goods and Public Policy for Agricultural Biotechnology, Ravello, Italy, June 29 to July 3, 2003: 1-19.

Dewar, A., Haylock, L., Bean, K., May, M. 2000. Delayed Control of Weeds in Glyphosate-tolerant Sugar Beet and the Consequences on Aphid Infestation and Yield. *Pest Management Science*. 56: 345-350.

Dewar, A., Haylock, L., May, M., Beane, J., Perry, R. 2000. Glyphosate Applied to Genetically Modified Herbicide-tolerant Sugar Beet and 'Volunteer' Potatoes Reduces Populations of Potato Cyst Nematodes and the Number and Size of Daughter Tubers. *Annals of Applied Biology*. 136: 179-187.

Dewar, A., May, M., Pidgeon, J. 2000. GM Sugar Beet: the Present Situation. *British Sugar Beet Review*. 68: 22-27.

Elmegaard, N., Pedersen, M. 2001. Flora and Fauna in Roundup® Tolerant Fodder Beet Fields. National Environmental Research Institute, Silkeborg, Denmark. Technical Report No 349. 40 pages.

Fichet, Y. 1998. Cultures Tolérantes au Glyphosate: des Bénéfices Confirmés Après Plusieurs Années de Développement Technique et Commercial. 17e Conférence du COLUMA, Journées Internationales Sur la LUTte Contre les Mauvaises Herbes, Dijon, 9-11 Décembre 1998: 203-211.

Gestat de Garambe, T., Muchembled, C., Richard-Molard, M. 1998. Utilisation de betteraves tolérantes à un herbicide non sélectif. ANPP-17ième conférence du columa journées internationales sur la lutte contre les mauvaises herbes, Dijon 9-10-11 décembre 1998: 51-959.

- Gianessi, L. 2005. Economic and Herbicide Use Impacts of Glyphosate-resistant Crops. *Pest Management Science*. 61(3): 241 - 245.
- Gianessi, L., Sankula, S., Reigner, N. 2003. Plant Biotechnology - Potential Impact for Improving Pest Management in European Agriculture. Sugar Beet Case Study. NCFAP. National Center for Food and Agricultural Policy: 1-21.
- ICTA. 1999. Impact des Plantes Yransgéniques Dans les Systèmes de Culture: Présentation des Plates-formes d'Observation. Juin 1999.
- James, C. 2002. Global Review of Commercialized Transgenic Crops: 2001 Feature: Bt Cotton. ISAAA Brief 26: 1-184.
- Jensen, P. 1998. Dose Requirements at Chemical Weed Control in Ordinary and Glyphosate Resistant Beet Roots. 15th Danish Plant Protection Conference, Ministeriet for Fodervaren, Landbrug og Fiskeri, DLF Report No 2: 115-123.
- Madsen K., Blacklow, W., Jensen, J. 1996. Simulation of Herbicide-use in a Crop Rotation with Transgenic Herbicide Resistant Sugar Beet. IN: International Weed Control Congress, Copenhagen1996: 1389-1391.
- Marlander, B. 2005. Weed Control in Sugar Beet Using Genetically Modified Herbicide-tolerant Varieties - A Review of the Economics for Cultivation in Europe. *Journal of Agronomy and Crop Science*. 191(1): 64 - 74.
- May, M., Champion, G., Dewar, A., Qi, A., Pidgeon, J. 2005. Management of Genetically Modified Herbicide-Tolerant Sugar Beet for Spring and Autumn Environmental Benefit. *Proceedings of the Royal Society*. 8 pages. doi: 10.1098/rspb.2004.2948
- May, M. 2003. Economic Consequences for UK Farmers of Growing GM Herbicide Tolerant Sugar Beet. *Annals of Applied Biology*. 142: 41-48.
- Moll, S. 1997. Commercial Experience and Benefits from Glyphosate Tolerant Crops. The 1997 Brighton Crop Protection Conference-Weeds: 931-940.
- Pedersen, C. 1997. Oversight over Landsforsogene: 237-238.
- Pidgeon, J., May, M., Dewar, A. 2003. GM Crop Management for Environmental Benefit. Int'l Consortium on Agricultural Biotechnology Research. 7th ICABR International Conference, Ravello, Italy, June 29-July 3, 2003: 1-9.
- Richard-Molard, M., Muchembled, C., Gestat de Garambe, T. 1996. Expérimentations aux Champs de Betteraves Tolérantes à un Herbicide non Sélectif: Premiers Tésultats et Perspectives. Xe Colloque International sur la Biologie des Mauvaises herbes, Dijon, Septembre 1996 : 231-238.

Strandberg, B., Pedersen, M. 2002. Biodiversity in Glyphosate Tolerant Fodder Beet Fields - Timing of Herbicide Application. National Environmental Research Institute - NERI: 1-38.

Strandberg B., Pedersen, M. 1999. Kan dyrkning af gensplejsede foderroer oge naturindholdet I roemarken? Online a/o 7/29/07.

<http://www.lr.dk/Planteavl/Informationsserier/GMOroer/index.htm>

Wevers, J. 1998. The Environmental Contamination of Weed Control in Transgenic Herbicide Resistant Sugar Beet. Betteraves transgéniques. Proceedings of the 61st IIRB Congress, Brussels: 365-368.

Wevers, J. 1998. Agronomic and Environmental Aspects of Herbicide Resistant Sugar Beet in the Netherlands: 393-399.

Wevers, J. 1995. Gewasbeschermingsonderzoek Interne mededeling van het IRS (Instituut voor Rationele Suikerproductie) Nr. 142.

GENERAL

Agriculture

2000. Seven Academy Report: Transgenic Plants and World Agriculture. Royal Society: 1-20.

2000. IFT Expert Report on Biotechnology and Foods: Benefits and Concerns Associated with Recombinant DNA. Food Technology. 54(10): 61-80.

2000. Modern Biotechnology and Agricultural Markets: A Discussion of Selected Issues. OECD: 1-52.

Alexandratos, N. 1999. World Food and Agriculture: Outlook for the Medium and Longer Term. Proceedings of the National Academies of Science. 96(11): 5908-5914.

Borlaug, N. 2000. Ending World Hunger. The Promise of Biotechnology and the Threat of Antiscience Zealotry. Plant Physiology. 124(2): 487-490.

Caswell, M., Fuglie, K., Klotz, C. 2002. Agricultural Biotechnology - An Economic Perspective. USDA, ERS, Economic Research Service, Agricultural Economic Report. No. 687: 1-59.

Conko, G. 2003. The Benefits of Biotech. Regulation. 26(1) Spring: 20-25.

Fedoroff, N., Cohen, J. 1999. Plants and Population: Is There Time? PNAS. Proceedings of the National Academies of Science. 96: 5903-5907.

Gianessi, L., Sankula, S., Reigner, N. 2003. Plant Biotechnology - Potential Impact for Improving Pest Management in European Agriculture. A Summary of Nine Case Studies. NCFAP. National Center for Food and Agricultural Policy: 1-17.

Gianessi, L., Sankula, S., Reigner, N. 2003. Plant Biotechnology - Potential Impact for Improving Pest Management in European Agriculture. Stone Fruit - Virus Resistant Case Study. NCFAP. National Center for Food and Agricultural Policy: 1-13.

Gianessi, L., Sankula, S., Reigner, N. 2003. Plant Biotechnology - Potential Impact for Improving Pest Management in European Agriculture. Tomato - Virus-Resistant Case Study. NCFAP. National Center for Food and Agricultural Policy: 1-10.

Gianessi, L., Sankula, S., Reigner, N. 2003. Plant Biotechnology - Potential Impact for Improving Pest Management in European Agriculture. Potato Case Study. NCFAP. National Center for Food and Agricultural Policy: 1-23.

Gianessi, L., Sankula, S., Reigner, N. 2003. Plant Biotechnology - Potential Impact for Improving Pest Management in European Agriculture. Sugarbeet Case Study. NCFAP. National Center for Food and Agricultural Policy: 1-21.

Gianessi, L., Sankula, S., Reigner, N. 2003. Plant Biotechnology - Potential Impact for Improving Pest Management in European Agriculture. A Summary of Three Case Studies. NCFAP. National Center for Food and Agricultural Policy: 1-12.

Gianessi, L., Sankula, S. 2003. The Value of Herbicides in US Crop Production: NCFAP. National Center for Food and Agricultural Policy: 1-143.

Glick, H. 2001. Herbicide Tolerant Crops - A Review of Agronomic, Economic, and Environmental Impacts. The BCPC Conference: Weeds, Volume 1 and Volume 2. Proceedings of an international conference held at the Brighton Hilton Metropole Hotel, Brighton, UK, 12-15 November 2001: 8 pages.

Ismael, Y., Bennett, R. 2004. The Potential Benefits of Agricultural Biotechnology and the Problems of European Attitudes to Biotechnology for the Economics of Small Island Developing States. University of Reading, Dept of Agricultural and Food Economics: 1-19.

James, C. 2002. PREVIEW - Global Status of Commercialized Transgenic Crops - 2002. ISAAA Brief 27: 1-24.

James, C. 2000. Global Status of Commercialized Transgenic Crops: 1999. ISAAA Brief 17: 1-78.

James, C. 1999. Preview Global Review of Commercialized Transgenic Crops: 1999. ISAAA Brief 12: 1-16.

James, C. 1998. Global Review of Commercialized Transgenic Crops 1998. ISAAA Briefs Brief 8: 1-52.

James, C. 1997. Global Status of Transgenic Crops in 1997. ISAAA Brief 7: 1-38.

Johnson, C. 2000. Genetic Enhancement of Crops: The Major Way Remaining to Ensure Global Food Security. Diversity. 15(4): 22-24.

Johnson, D. 1999. The Growth of Demand Will Limit Output Growth for Food Over the Next Quarter Century. PNAS. Proceedings of the National Academies of Science. 96(11): 5915-5920.

Kendall, H., Beachy, R., Eisner, T., Gould, F., Herdt, R., Raven, P., Schell, J., Swaminathan, M. 1997. Bioengineering of Crops. Report of the World Bank Panel on Transgenic Crops. The World Bank: Environmentally and Socially Sustainable Development Studies and Monographs Series. 23: 1-33.

McGloughlin, M. 1996. Why Safe and Effective Food Biotechnology is in the Public Interest. Washington Legal Foundation Critical Legal Issues: Working Paper Series. 99: 1-17.

Phipps, R., Cockburn, A. 2005. GM Technology: A Tool to Benefit Livestock Production. IN: To the Livestock Revolution: The Role of Globalisation and Implications for Poverty Alleviation. BSAS Publication No. 33. Editors: Owen, E., Smith, T., Steele, M., Anderson, S., Duncan, A., Herrero, M. Nottingham University Press, Nottingham, UK. Pages 247-258.

Sankula, S., Blumenthal, E. 2004. Impacts on US Agriculture of Biotechnology-derived Crops Planted in 2003 - An Update of Eleven Case Studies. NCFAP. National Center for Food and Agricultural Policy: 1-92.

Serageldin, I. 1999. Biotechnology and Food Security in the 21st Century. Science (Washington). 285(54260): 387-389.

Silvers, C., Gianessi, L., Carpenter, J., Sankula, S. 2003. Current and Potential Role of Transgenic Crops in U.S. Agriculture. Journal of Crop Protection. 9(1-2): 501-530.

Singh, R. 2002. Biotechnology, Biodiversity and Sustainable Agriculture - A Contradiction. Seameo Searca Regional Center for Graduate Study and Research in Agriculture. Online a/o 7/29/07
http://www.bic.searca.org/seminar_proceedings/bangkok-2000/H-plenary_papers/singh.pdf

Biotechnology

2000. IFT Expert Report on Biotechnology and Foods: Benefits and Concerns Associated with Recombinant DNA. Food Technology: 54(10): 61-80.

2000. IFT Expert Report on Biotechnology and Foods: Backgrounder - Recombinant DNA Biotechnology In Balance: Benefits and Concerns of A New Technology. Institute of Food Technologists: 1-5.

2000. IFT Expert Report on Biotechnology and Foods: Frequently Asked Questions About Benefits and Concerns. Institute of Food Technologists: 1-2.

2000. IFT Expert Report on Biotechnology and Foods: Introduction. Food Technology 54(8): 124-136.

2000. Transgenic Plants and World Agriculture. Royal Society: 1-20. Online a/o 2/20/06. <http://fermat.nap.edu/html/transgenic/>

Atanassov, A., Antonov, L., Twardowski, T., Altman, A. [Editor], Ziv, M. [Editor], Izhar, S. [Editor]. 1999. Commercial Needs and Creating New Markets in Eastern European Countries. Current Plant Science and Biotechnology in Agriculture, Plant Biotechnology and In Vitro Biology in the 21st century. Proceedings of the IXth International Congress of the International Association of Plant Tissue Culture and Biotechnology, Jerusalem, Israel, 14-19 June 1998 36: 685 - 688.

Bajaj, S., Targolli, J., Liu, L., Ho, D., Wu, R. 1999. Transgenic Approaches to Increase Dehydration Stress Tolerance in Plants. Molecular Breeding 5(6): 493-503.

Braunchweiger G., Conzelmann, C., Editors: Schreiber, G. A., Bogl, K. W. 1997. Food Industry Supplies Obtained through Genetic Modification: What's Already in the Market? Food Produced by Means of Genetically Engineering. Bundesinstitut für gesundheitlichen Verbraucherschutz und Veterinärmedizin, Berlin

Demicheli, M. C. 1997. Realizing the Potential of Agricultural Biotechnology in Europe. Outlook On Agriculture 26: 79-85.

Doran, P. 2000. Foreign Protein Production in Plant Tissue Cultures. Current Opinion in Biotechnology 11(2): 199 - 204.

Fedoroff, N., Cohen, J. 1999. Plants and Population: Is There Time. Proceedings of the National Academy of Sciences of the United States of America 96: 5903-5907.

Goto, F., Yoshihara, T., Shigemoto, N., Toki, S., Takaiwa, F. 1999. Iron Fortification of Rice Seed by the Soybean Ferritin Gene. Nature Biotechnology. 17(3): 282-286.

Hartnell, G. F. 2000. Benefits Of Biotech Crops For Livestock Feed. Proceedings: 2000 Cornell Nutrition Conference for Feed Manufacturers - 62nd Meeting, October 24, 25, 26, 2000 Rochester Marriott Thruway Hotel, Rochester, NY 14602-0551. 46 - 56.

Hartnell, G., Fuchs, R. 1999. Fifteenth Annual Carolina Swine Nutrition Conference - Current and Future Value of Innovative Technology in Genetically Modified Grains and Oilseeds. Carolina Feed Industry Association: 68-85.

Heyer A. G., Lloyd, J. R., Kossmann, J. 1999. Production of Modified Polymeric Carbohydrates. *Current Opinion in Biotechnology*. 10: 169-174.

Hirschberg, J. 1999. Production of High-Value Compounds: Carotenoids and Vitamin E. *Current Opinion in Biotechnology*. 10: 186-191.

Huang, J., Hu, R., Rozelle, S., Pray, C. 2005. Insect-Resistant GM Rice in Farmers' Fields - Assessing Productivity and Health Effects in China. *Science*. 308: 688-690.

James, C. 2000. Global Status of Commercialized Transgenic Crops: 1999. ISAAA Brief 17: 1-78.

James, C. 2000. Preview: Global Review of Commercialized Transgenic Crops: 2000. ISAAA Brief 21: 1-18.

James, C. 1999. Preview Global Review of Commercialized Transgenic Crops: 1999. ISAAA Brief 12: 1-16.

James, C. 1998. Global Review of Commercialized Transgenic Crops 1998. ISAAA Brief 8: 1-52.

Johnson, C. S. 2000. Genetic Enhancement of Crops: The Major Way Remaining to Ensure Global Food Security. *Diversity*. 15(4): 22-24.

Kendall, H., Beachy, R., Eisner, T., Gould, F., Herdt, R., Raven, P., Swaminathan, M., Schell, J. 1997. Bioengineering of Crops Report of the World Bank Panel on Transgenic Crops. Environmentally and Socially Sustainable Development Studies and Monographs Series No. 23. Series: Environmentally Sustainable Development Studies, Proceedings, and Monographs. (23): 1-33.

Ku, M., Agarie, S., Nomura, M., Fukayama, H., Tsuchida, H., Ono, K., Hirose, S., Toki, S., Miyao, M., Matsuoka, M. 1999. High Level Expression of Maize Phosphoenolpyruvate Carboxylase in Transgenic Rice Plants. *Nature Biotechnology*. 17: 76-80.

Langridge, W. 2000. Edible Vaccines. *Scientific American*. 283(3): 66-71.

Mackey, M., Santerre, C. 2000. Biotechnology and Our Food Supply. *Nutrition Today*. 35(4): 120-127.

Mann, C. 1999. Genetic Engineers Aim to Soup Up Crop Photosynthesis. *Science*. 283 (5400): 314-316.

- Mann, C. 1999. Crop Scientists Seek a New Revolution. *Science*. 283(5400): 310-314.
- Mason, H., Arntzen, C. 1995. Transgenic Plants as Vaccine Production Systems. *Trends in Biotechnology*. 13: 388-392.
- Murphy, D. 1996. Engineering Oil Production in Rapeseed and Other Oil Crops. *Trends in Biotechnology*. 14: 206-213.
- Paine, J., Shipton, C., Chaggar, S., Howells, R., Kennedy, M., Vernon, G., Wright, S., Hinchliffe, E., Adams, J., Silverstone, A., Drake, R. 2005. Improving the Nutritional Value of Golden Rice through Increased Pro-vitamin A Content. *Nature Biotechnology*. 23(4): 482-487.
- Phipps, R. 2000. GM Crops: An Alternative View to Greenpeace. *Feed Compounder*: 1-4.
- Pimentel, D., Pimentel, M., Guerinot, M. L. 2000. To Improve Nutrition for the World's Population. *Science*. 288(5473): 1966 - 1967.
- Pletsch, M., Araujo, B., de Charlwood, B., de Araujo, B. 1999. Novel Biotechnological Approaches in Environmental Remediation Research. *Biotechnology Advances*. 17(8): 679-687.
- Poirer, Y. 1999. Production of New Polymeric Compounds in Plants. *Current Opinion in Biotechnology*. 10: 181-185.
- Runge, C., Ryan, B. 2003. The Economic Status and Performance of Plant Biotechnology in 2003 - Adoption, Research and Development in the United States. Council for Biotechnology Information. CBI: 1-122.
- Streatfield, S., Jilka, J., Hood, E., Turner, D., Bailey, M., Mayor, J., Woodard, S., Beifuss, K., Horn, M., Delaney, D., Tizard, I., Howard, J. 2001. Plant-based Vaccines: Unique Advantages. *Vaccine*. 19: 2742-2748.
- Smith, N. Seeds of Opportunity: An Assessment of the Benefits, Safety, and Oversight of Plant Genomics and Agricultural Biotechnology. Subcommittee on Basic Research: 1-83. Online a/o 2/20/06. <http://stockholm.usembassy.gov/biotech/us-gov3.html>
- Tacket, C., Mason, H., Losonsky, G., Estes, M., Levine, M., Arntzen, C. 2000. Human Immune Responses to a Novel Norwalk Virus Vaccine Delivered in Transgenic Potatoes. *The Journal of Infectious Diseases*. 182: 302-305.
- Traxler, G. 2006. The GMO Experience in North and South America. *International Journal of Technology and Globalisation*. 2(1-2): 46-64.

Willmitzer L. 1999. Plant Biotechnology: Output Traits – The Second Generation of Plant Biotechnology Products is Gaining Momentum. *Current Opinion in Biotechnology* 10: 161-162.

Winicov, I. 1998. New Molecular Approaches to Improving Salt Tolerance in Crop Plants. *Annals of Botany (London)*. 82 (6): 703-710.

Consumer

2000. IFT Expert Report on Biotechnology and Foods: Benefits and Concerns Associated with Recombinant DNA. *Food Technology*. 54(10): 61-80.
2000. IFT Expert Report on Biotechnology and Foods: Introduction. *Food Technology*: 54(8): 124-136.
2000. *Transgenic Plants and World Agriculture*. Royal Society.
1999. Plant Research May Help Reduce Anemia in Humans. *The American Society of Plant Physiologists (ASPP)* 8-30-2000.
- Alexandratos, N. 1999. World Food and Agriculture: Outlook for the Medium and Longer Term. *Proceedings of the National Academy of Sciences of the United States of America*. 96(11): 5908- 5914.
- Arakawa, T., Chong, D., Langridge, W. 1998. Efficacy of a Food Plant-based Oral Cholera Toxin B Subunit Vaccine. *Nature Biotechnology*. 16: 292-297.
- Arakawa, T., Yu, J., Chong, D., Hough, J., Engen, P., Langridge, W. 1998. A Plant-based Cholera Toxin B Subunit-insulin Fion Protein Protects against the Development of Autoimmune Diabetes. *Nature Biotechnology*. 16: 934-938.
- Arntzen, C. 1995. Oral Immunization With a Recombinant Bacterial Antigen Produced in Transgenic Plants. *Science*. 268: 714-716.
- Baldwin, F. 2000. Transgenic Crops: A View From the Us Extension Service. *Pest Management Science*. 56(7): 584-585.
- Bhalla, P., Swoboda, I., Singh, M. 1999. Antisense-Mediated Silencing of a Gene Encoding a Major Ryegrass Pollen Allergen. *Proceedings of the National Academy of Sciences*. 96: 11676-11680.
- Bouis, H., Chassy, B., Ochanda, J. 2003. Genetically Modified Food Crops and Their Contribution to Human Nutrition and Food Quality. *Trends in Food Science and Technology*. 14: 191-209.
- Brinch-Pedersen, H. 1999. Transgenic Wheat (*Triticum aestivum* L.) with Increased Phytase Activity in the Grain. Online a/o 2/20/06: <http://www.agrsci.dk/PHD/pbi/pbihenrikbrinchpedersen.html>
- Buchanan, B. 1999. Dr. Bob Buchanan Explains How His Research Using Plants Biotechnology is Removing Allergens from Existing Foods. *The American Society of Plant Physiologists (ASPP)*: Article: *New Scientist*, November 29, 1997. 8-30-2000. Online a/o 7/29/07: 1-5. <http://www.aspb.org/publicaffairs/briefing/buchanan.cfm>

- Buchanan, B., Adamidi, C., Lozano, R., Yee, B., Momma, M., Kobrehel, K., Ermel, R., Frick, O. 1997. Thioredoxin-Linked Mitigation of Allergic Responses to Wheat. *Proceedings of the National Academy of Science*. 94: 5372-5377.
- Budziszewski, G., Croft K., Hildebrand D. 1996. Uses of Biotechnology in Modifying Plant Lipids. *Lipids*. 31: 557-569.
- Chakraborty, S., Chakraborty, N., Datta, A. 2000. Increased Nutritive Value of Transgenic Potato by Expressing a Non-allergenic Seed Albumin Gene from *Amaranthus hypochondriacus*. *Proceedings of the National Academy of Sciences USA*. 97: 3724-3729.
- DellaPenna, D. 1999. Nutritional Genomics: Manipulating Plant Micronutrients to Improve Human Health. *Science*. 285: 375-379.
- del Val, C., Yee, G., Lozano, R., Buchanan, B., Ermel, R., Lee, Y., Frick, O. 1999. Thioredoxin Treatment Increases Digestibility and Lowers Allergenicity of Milk. *Journal of Allergy and Clinical Immunology*. 103(4): 690-697.
- Denbow, D., Grabau, E., Lacy, G., Kornegay, E., Russell, D., Umbeck, P. 1998. Soybeans Transformed with a Fungal Phytase Gene Improve Phosphorus Availability for Broilers. *Poultry Science*. 77: 878-881.
- Doran, P. 2000. Foreign Protein Production in Plant Tissue Cultures. *Current Opinion in Biotechnology*. 11: 199-204.
- Facciotti, M., Bertain, P., Yuan, L. 1999. Improved Stearate Phenotype in Transgenic Canola Expressing a Modified Acyl-acyl Carrier Protein Thioesterase. *Nature Biotechnology*. 17: 593-597.
- Farnham, M. W., Simon, P. W., Stommel, J. R. 1999. Improved Phytonutrient Content Through Plant Genetic Improvement. *Nutrition Reviews*. 57 (9): S19-S26.
- Flachowsky, G. 2000. Efficient Animal Nutrition to Feed Tomorrow's World. *Feed Mix*. 7(6): 4-19.
- Frossard, E., Bucher, M., Machler, R., Mozafar, A., Hurrell, R. 2000. Potential for Increasing the Content and Bioavailability of Fe, Zn and Ca in Plants for Human Nutrition. *Journal of the Science of Food and Agriculture*. 80(7): 861-879.
- Giddings, G., Allison, G., Brooks, D., Carter, A. 2000. Transgenic Plants as Factories for Biopharmaceuticals. *Nature Biotechnology*. 18 (11): 1151-1155.
- Goto, F., Yoshihara, T., Shigemoto, N., Toki, S., Takaiwa, F. 1999. Iron Fortification of Rice Seed by the Soybean Ferritin Gene. *Nature Biotechnology*. 17 (3): 282-286.
- Grusak, M. 2002. Enhancing Mineral Content in Plant Food Products. *Supplement to Journal of the American College of Nutrition*. 21(3S): 178S-183S

- Grusak, M. A., DellaPenna, D. 1999. Improving the Nutrient Composition of Plants to Enhance Human Nutrition and Health. *Annual Review of Plant Physiology Plant Molecular Biology*. 50: 133-161.
- Guerinot, M.L., Salt, D.E. 2000. Fortified Foods and Phytoremediation. Two Sides of the Same Coin. *Plant Physiology*. 125: 164-167.
- Hallikainen, M., Sarkkinen, E., Gylling, H., Erkkila, A., Uusitupa, M. 2000. Comparison of the Effects of Plant Sterol Ester and Plant Stanol Ester-enriched Margarines in Lowering Serum Cholesterol Concentrations in Hypercholesterolaemic Subjects on a Low-fat Diet. *European Journal of Clinical Nutrition*. 54: 715-725.
- Hansen, E., Kawashima, C. G. 2000. Delivery of Immunoprophylactics in Transgenic Plants - Current Status. *BioDrugs*. 13(6): 381-390.
- Harlander, S. 2002. The Evolution of Modern Agriculture and Its Future with Biotechnology. *Supplement to Journal of the American College of Nutrition*. 21(3S): 161S-165S.
- Harlander, S. 1991. Biotechnology - A Means for Improving Our Food Supply: Use of Genetic Manipulation Techniques Can Benefit Plant and Animal Agriculture, Food Processing, and Waste Management. *Food Technology*. 45(4): 84-88.
- Heyer, A., Lloyd, J., Kossmann, J. 1999. Production of Modified Polymeric Carbohydrates. *Current Opinion in Biotechnology*. 10: 169-174.
- Hirschberg, J. 1999. Production of High-Value Compounds: Carotenoids and Vitamin E. *Current Opinion in Biotechnology*. 10: 186-191.
- Holm, P., Kristiansen, K., Pedersen, H. 2002. Transgenic Approaches in Commonly Consumed Cereals to Improve Iron and Zinc Content and Bioavailability. *The Journal of Nutrition*. 132(3): 514-516.
- Hood, E., Jilka, J. 1999. Plant-based Production of Xenogenic Proteins. *Current Opinions in Biotechnology*. 10: 382-386.
- Johnson, D. 1999. The Growth of Demand Will Limit Output Growth for Food Over the Next Quarter Century. *Proceedings of the National Academy of Sciences of the United States of America*. 96(11): 5915-5920.
- Jung, W., Yu, O., Lau, S., O'Keese, D., Odell, J., Fader, G., McGonigle, B. 2000. Identification and Expression of Isoflavone Synthase, the Key Enzyme for Biosynthesis of Isoflavones in Legumes. *Nature Biotechnology*. 18: 208-212.
- Kapusta, J. 1999. A Plant-derived Edible Vaccine Against Hepatitis B Virus [Erratum: 13: 2339-2340]. *FASEB Journal*. 13: 1796-1799.

Kato, M., Mizuno, K., Crozier, A., Fujimura, T., Ashihara, H. 2000. Caffeine Synthase Gene From Tea Leaves. *Nature*. 406(6799): 956-957.

Kochian, L., Garvin, D. F. 1999. Agricultural Approaches to Improving Phytonutrient Content in Plants: An Overview. *Nutrition Reviews*. 57 (9): S13-S18.

Korban, S., Krasnyanski, S., Buetow, D. 2002. Foods as Production and Delivery Vehicles for Human Vaccines. Supplement to *Journal of the American College of Nutrition*. 21(3S): 212S-217S.

Langridge, W. 2000. Edible Vaccines. *Scientific American*. 283(3): 66-71.

Lassner, M. 1997. Transgenic Oilseed Crops: A Transition from Basic Research to Product Development. *Lipid Technology*. 9: 5-9.

Liu, K., Brown, E. 1996. Enhancing Vegetable Oil Quality through Plant Breeding and Genetic Engineering. *Food Technology*, Nov 1996: 67-71

Liu, Q., Singh, S., Green, A. 2002. High-Oleic and High-Stearic Cottonseed Oils – Nutritionally Improved Cooking Oils Developed Using Gene Silencing. Supplement to *Journal of the American College of Nutrition*. 21(3S): 205S-211S.

Lonnerdal, B. 2002. Expression of Human Milk Proteins in Plants. Supplement to *Journal of the American College of Nutrition*. 21(3S): 218S-221S.

Lucca, P., Hurrell, R., Potrykus, I. 2002. Fighting Iron Deficiency Anemia with Iron-Rich Rice. Supplement to *Journal of the American College of Nutrition*. 21(3S): 184S-190S.

Mackey, M., Fuchs, R. 2002. Plant Biotechnology Products with Direct Consumer Benefits. IN: *Biotechnology and Safety Assessment*, 3rd edition. Chapter 5: 117-141.

Mackey, M. 2002. The Application of Biotechnology to Nutrition- An Overview. Supplement to *Journal of the American College of Nutrition*. 21(3S): 157S-160S.

Mackey, M., Santerre, C. 2000. Biotechnology and Our Food Supply. *Nutrition Today*. 35(4): 120 - 127.

Mason, H., Haq, T., Clements, J. 1998. Edible Vaccine Protects Mice Against *Escherichia Coli* Heat-labile Enterotoxin (LT): Potatoes Expressing a Synthetic LT-B Gene. *Vaccine*. 16: 1336-1343.

Mazur, B., Krebbers, E., Scott, T. 1999. Gene Discovery and Product Development for Grain Quality Traits. *Plant Biotechnology: Food and Feed*. *Science*. 285 (5426): 372-375.

McBride, J. 2000. Tomatoes that Age Gracefully. *Agriculture Research Magazine*. December: 21.

McGloughlin, M. 2000. Why Safe and Effective Food Biotechnology is in the Public Interest. Washington Legal Foundation Critical Legal Issues: Working Paper Series. 99: 1- 7.

Muir, S., Collins, G., Robinson, S., Hughes, S., Bovy, A., De Vos, C., van Tunen, A., Verhoeyen, M. 2001. Over-expression of Petunia Chalcone Isomerase in Tomato Results in Fruit Containing Increased Levels of Flavonols. *Nature Biotechnology*. 19: 470-474.

Munkvold, G., Hellmich, R., Ross, P., Rice, L. 1999. Reductions in Fumonisin Concentrations Associated with Transgenic Control of European Corn Borer in Bt Maize Hybrids. *International Conference on the Toxicology of Fumonisin*. 53.

Munkvold, G., Desjardins, A. 1997. Fumonisin in Maize: Can We Reduce Their Occurrence. *Plant Disease*. 81(6): 556-565.

Murphy, D. 1999. Production of Novel Oils In Plants. *Current Opinion in Biotechnology*. 10: 175-180.

Murphy, D. 1996. Engineering Oil Production in Rapeseed and Other Oil Crops. *Trends in Biotechnology*. 14: 206-213.

Nakamura, R., Matsuda, T. 1996. Rice Allergenic Protein and Molecular-genetic Approach for Hypoallergenic Rice. *Bioscience, Biotechnology and Biochemistry*. 60: 1215-1221.

Poirer, Y. 1999. Production of New Polymeric Compounds in Plants. *Current Opinion in Biotechnology*. 10: 181-185.

Ravishankar, G., Rao, S., Ramachandra, S. 2000. Biotechnological Production of Phyto-pharmaceuticals. *Journal of Biochemistry*. 4(2): 73-102.

Richter, L., Thanavala, Y., Arntzen, C., Mason, H. 2000. Production of Hepatitis B Surface Antigen in Transgenic Plants for Oral Immunization. *Nature Biotechnology*. 18 (11): 1167-1171.

Riley, P., Hoffman, L. 1999. Value-Enhanced Crops: Biotechnology's Next Stage. *Economic Research Service/USDA*: 18 - 25.

Rocheford, T., Wong, J., Egesel, C., Lambert, R. 2002. Enhancement of Vitamin E Levels in Corn Fighting Iron Deficiency Anemia with Iron-Rich Rice. *Supplement to Journal of the American College of Nutrition*. 21(3S): 191S-198S.

Römer, S., Fraser, P., Kiano, J., Shipton, C., Misawa, N., Schuch, W., Bramley, P. 2000. Elevation of the Provitamin A Content of Transgenic Tomato Plants. *Nature Biotechnology*. 18(6): 666 - 669.

- Santerre, C., Machtmes, K. 2002. The Impact of Consumer Food Biotechnology Training on Knowledge and Attitude. Supplement to Journal of the American College of Nutrition. 21(3S): 174S-177S.
- Sevenier, R., van der Meer, I., Bino, R., Koops, A. 2002. Increased Production of Nutriment by Genetically Engineered Crops. Supplement to Journal of the American College of Nutrition. 21(3S): 199S-204S.
- Shewmaker, C., Sheehy, J., Daley, M., Colburn, S., Ke, D. 1999. Seed-specific Overexpression of Phytoene Synthase: Increase in Carotenoids and Other Metabolic Effects. Plant Journal. 20: 401-12.
- Shintani, D., DellaPenna, D. 1998. Elevating the Vitamin E Content of Plants Through Metabolic Engineering. Science. 282 (5396): 2098-2100.
- Smith, M., Glick, B. 2000. The Production of Antibodies in Plants: An Idea Whose Time Has Come? Biotechnology Advances. 18(2): 85-89.
- Smith, N. 2000. Seeds of Opportunity: An Assessment of the Benefits, Safety, and Oversight of Plant Genomics and Agricultural Biotechnology. Subcommittee on Basic Research: 1-83.
- Spencer, J., Allee, G., Sauber, T. 2000a. Phosphorus Bioavailability and Digestibility of Normal and Genetically Modified Low Phytate Corn for Pigs. Journal of Animal Science. 78: 675-681.
- Spencer, J., Allee, G., Sauber, T. 2000b. Growing-finishing Performance and Carcass Characteristics of Pigs Fed Normal and Genetically Modified Low-phytate Corn. Journal of Animal Science. 78: 1529-1536.
- Staub, J., Garcia, B., Graves, J., Hajdukiewicz, P., Hunter, P., Nehra, N., Paradkar, V., Schlittler, M., Carroll, J., Spatola, L., Ward, D., Ye, G., Russell, D. 2000. High-Yield Production of a Human Therapeutic Protein in Tobacco Chloroplasts. Nature Biotechnology. 18(3): 333-336.
- Stoger, E., Vaquero, C., Torres, E., Sack, M., Nicholson, L., Drossard, J., Williams, S., Keen, D., Perrin, Y., Christou, P., Fischer, R. 2000. Cereal Crops as Viable Production and Storage Systems for Pharmaceutical scFv Antibodies. Plant Molecular Biology. 42: 583-590.
- Sussman, M. 1999. Pumping Iron. Nature Biotechnology. 17: 230-23.
- Tacket, C., Mason, H., Lososky, G., Estes, M., Levine, M., Arntzen, C. 2000. Human Immune Responses to a Novel Norwalk Virus Vaccine Delivered in Transgenic Potatoes. The Journal of Infectious Diseases. 182: 302-305.

- Tacket, C., Mason, H., Losonsky, G., Clements, J., Levine, M., Arntzen, C. 1998. Immunogenicity in Humans of a Recombinant Bacterial Antigen Delivered in a Transgenic Potato. *Nature Medicine*. 4: 607-609.
- Tada, Y., Nakase, M., Adachi, T., Nakamura, R., Shimada, H., Takahashi, M., Fujimura, T., Matsuda, T. 1996. Reduction of 14-15kDa Allergenic Proteins in Transgenic Rice Plants by Antisense Gene. *FEBS Letters*. 391: 341-345.
- Toenniessen, G. 2000. Vitamin A Deficiency and Golden Rice: The Role of the Rockefeller Foundation. 5 pages. Online a/o 7/29/07.
<http://www.rockfound.org/library/111400ght.pdf>
- Walmsley, M., Arntzen, C. 2000. Plants for Delivery of Edible Vaccines. *Current Opinion in Biotechnology*. 11 (2): 126-129.
- Watkinson, A., Freckleton, R., Robinson, R., Sutherland, W. 2000. Predictions of Biodiversity Response to Genetically Modified Herbicide-Tolerant Crops. *Science*. 289: L1554-1557.
- Weaver-Missick, T. 2000. Transgenics for a Better Tomato. *Agriculture Research Service Magazine*. September: 14-15.
- Willmitzer, L. 1999. Plant Biotechnology: Output Traits-The Second Generation of Plant Biotechnology Products in Gaining Momentum. *Current Opinion in Biotechnology*. 10: 161-162.
- Ye XuDong., Salim Al-Babili, Kloti, A., Zhang Jing, Lucca, P, Beyer, P., Potrykus, I. 2000. Engineering the Provitamin A (Beta-Carotene) Biosynthetic Pathway into (Carotenoid-Free) Rice Endosperm. *Science*. 287 (5451): 303-305.

Developing Countries

2003. Impact of New Biotechnologies, with Particular Attention to Sustainable Development, Including Food Security, Health and Economic Productivity. United Nations General Assembly - 58th Session. Report to Secretary General. A58/76: 1-17.

Abdalla, A. , Berry, P. , Connell, P. , Tran, Q. , Bueltre, B. 2003. Agricultural Biotechnology - Potential Use in Developing Countries. ABARE Report. Australian Bureau of Agricultural and Resource Economics. 17: 1-57.

Anderson, K., Valenzuela, E., Jackson, L. 2006. Recent and Prospective Adoption of Genetically Modified Cotton: A Global CGE Analysis of Economic Impacts. World Bank Policy Working Paper No. 3917: 1-27.

Atanassov, A., Antonov, L., Twardowski, T. 1999. Commercial Needs and Creating New Markets in Eastern European Countries. Plant Biotechnology and In Vitro Biology in 21st Century. Proceedings of the IXth International Congress of the International Association of Plant Tissue Culture and Biotechnology. 36: 685-688.

Barry, G. 2001. The Use of the Monsanto Draft Rice Genome Sequence in Research. Plant Physiology. 125:1164-1165.

Bennett, R., Buthelezi, T., Ismael, Y., Morse, S. 2003. Bt Cotton, Pesticides, Labour and Health - A Case Study of Smallholder Farmers in the Makhathini Flats, Republic of South Africa 2003. Outlook on Agriculture. 32(2): 123 - 128.

Beyer, P., Al-Babili, S., Ye, X., Lucca, P., Schaub, P., Welsch, R., Potrykus, I. 2002. Golden Rice: Introducing the B-Carotene Biosynthesis Pathway into Rice Endosperm by Genetic Engineering to Defeat Vitamin A Deficiency. The Journal of Nutrition. 132(3): 506-510.

Beyers, L., Ismael, Y., Piesse, J. , Thirtle, C. 2002. Can GM-Technologies Help the Poor. The Efficiency of BT Cotton Adopters in the Makhathini Flats of Kwazulu-Natal. Agrekon. 41(1): 62-74.

Cabanilla, L. 2005. Economic Cost of Non-adoption of Bt-cotton in West Africa - with Special Reference to Mali. International Journal of Biotechnology. 7(1-2-3): 46-61.

Cabanilla, L., Abdoulaye, T., Sanders, J. 2003. Economic Cost of Non-adoption of Bt Cotton in West Africa - With Special Reference to Mali. 7th ICABR Int'l Conference on Public Goods and Public Policy for Agricultural Biotechnology, Ravello, Italy, June 29 to July 3, 2003: 1-20.

Cantrell, R. 1998. Rice: Hunger or Hope? IRRI 1998-99 Annual Report. Online a/o 2/20/06: 1-2. <http://www.irri.org/publications/annual/ar1999.asp>

Chrispeels, M. 2000. Biotechnology and the Poor. Plant Physiology. 124: 3-6.

- Cohen, J. 2005. Poorer Nations Turn to Publicly Developed GM Crops. *Nature Biotechnology*. 23(1): 27-33.
- Conway, G., Toenniessen, G. 1999. Feeding the World in the Twenty-first Century. *Nature*. 402, Suppl. (6761): C55-C58.
- Dawe, D., Robertson, R., Unnevehr, L. 2002. Golden Rice - What Role Could it Play in Alleviation of Vitamin A Deficiency. *Food Policy*. 27: 541-560
- Fischer, K., Barton, J., Khush, G., Leung, H., Cantrell, R. 2000. Collaborations in Rice. *Science*. 290: 279-280.
- Flasinski, S., Aquino, V., Hautea, R., Kaniewski, W., Lam, N., Ong, C., Pillai, V., Romyanon, K. 2001. Value of Engineered Virus Resistance in Crop Plants and Technology Cooperation with Developing Countries. *International Consortium on Agricultural Biotechnology Research – ICABR*: 1-22.
- Frisvold, G., Tronstad, R., Reeves, J. 2004. Impacts of Bt Cotton Adoption in the United States and China. 2004 Beltwide Cotton Conferences, San Antonio, TX - January 5-9: 638-640.
- Gould, F., Cohen, M. 2000. Sustainable Use of Genetically Modified Crops in Developing Countries. *Agricultural Biotechnology and the Poor*. G. Persley, M. Lantin, Editors. Proceedings of an International Conference, Washington, DC, USA, 21-22 October, 1999: 139-146.
- Gregory, P. 2002. Adoption of Bt Cotton by Small-scale Farmers in South Africa. *Pesticide Outlook*: 3 1-34.
- Gressel, J., Levy, A. 2006. Agriculture: The Selector of Improbable Mutations. *PNAS Proceedings of National Academy of Science*. 103(3): 12215-12216.
- Hautea, R. , Escaler, M. 2004. Plant Biotechnology in Asia. *AgBioForum*. 7(1-2): 2-8.
- Herrera-Estrella, L. 1999. Transgenic Plants for Tropical Regions: Some Considerations about their Development and their Transfer to the Small Farmer. *PNAS*. 96(11): 5978-5981.
- Hofs, J., Hau, B., Marais, D. 2006. Boll Distribution Patterns In Bt and Non-Bt Cotton Cultivars I. Study on Commercial Irrigated Farming Systems in South Africa. *Field Crops Research*. 98(2-3): 203-209.
- Hoisington, D., Khairallah, M., Reeves, T., Ribaut, J., Skovmand, B., Taba, S., Warburton, M. 1999. Plant Genetic Resources: What Can They Contribute Toward Increased Crop Productivity. *Proceedings of the National Academy of Sciences of the United States of America*. 96(11): 5937- 5943.

Hossain, F. , Pray, C. , Lu, Y. , Huang, J. , Fan, C. , Hu, R. 2004. Genetically Modified Cotton and Farmers' Health in China. *International Journal of Occupational and Environmental Health*. 10: 296-303.

Huang, S., Gilbertson, L., Adans, T., Malloy, K., Reisenbigler, E., Birr, D., Snyder, M., Zhang, Q., Luethy, M. 2004. Generation of Marker-free Transgenic Maize by Regular Two-border *Agrobacterium* Transformation Vectors. *Transgenic Research*. 13: 451-461.

Huang, J., Hu, R., Fan, C., Pray, C., Rozelle, S. 2003. Bt Cotton Benefits, Costs and Impacts in China. *IDS Working Paper 202*. Institute of Development Studies: 1-22.

Huang, J., Hu, R., Pray, C., Qiao, F., Rozelle, S. 2003. Biotechnology as an Alternative to Chemical Pesticides: A Case Study of Bt Cotton in China. *Agricultural Economics*. 29(1): 55 - 67.

Huang, J., Rozelle, S., Pray, C., Wang, Q. 2002. Plant Biotechnology in China. *Science*. 295: 674-677.

Huang, J., Hu, R., Rozelle, S. , Qiao, F., Pray, C. 2001. Smallholders, Transgenic Varieties, and Production Efficiency. The Case of Cotton Farmers in China. Department of Agricultural and Resource Economics. University of California Davis. No 01-015. 30 Pages.

Huesing, J. , English, L 2004. The Impact of Bt Crops on the Developing World. *AgBioforum*. 7(1-2): 84-95

Ismael, Y., Bennett, R. 2004. The Potential Benefits of Agricultural Biotechnology and the Problems of European Attitudes to Biotechnology for the Economics of Small Island Developing States. University of Reading, Dept of Agricultural and Food Economics: 1-19.

Ismael, Y., Bennett, R., Morse , S., Buthelezi, J. 2002. Bt Cotton, Pesticides, Labour and Health - A Case Study of Smallholder Farmers in the Makhathini Flats, Republic of South Africa. 6th International ICABR Conference, Ravello, Italy, July 11-14, 2002: 1-13.

Ismael, Y., Bennett, R., Morse, S. 2002. Do Small-scale Bt Cotton Adopters in South Africa Gain an Economic Advantage. 6th International ICABR Conference, Ravello, Italy, July 11-14, 2002: 1-16.

Ismael, Y., Beyers, L., Lin, L., Thirtle, C. 2002. Smallholder Adoption and Economic Impacts of Bt Cotton in the Makhathini Flats, South Africa. *International Consortium on Agricultural Biotechnology Research (ICABR)*: 1-2.

Ismael, Y., Bennett, R., Morse, S. 2001. Biotechnology in Africa - The Adoption and Economic Impacts of Bt Cotton in the Makhathini Flats, Republic of South Africa.

AfricaBio Conference - Biotechnology Conference for Sub Saharan Africa, 26-27th September 2001, Johannesburg, South Africa: 1-20.

Ismael, Y., Bennett, R., Morse, S. 2001. Can Farmers in the Developing Countries Benefit from the Modern Technology - Experience from the Makhathini Flats, Republic of South Africa. Crop Biotech Brief – ISAAA. 1(5): 1-4. www.isaaa.org/kc

Ismael, Y., Bennett, R., Morse, S. 2001. Farm Level Impact of Bt Cotton in South Africa. Biotechnology and Development Monitor. 48: 15-19.

Ismael, Y., Thirtle, C., Beyers, L. 2001. Efficiency Effects of Bt Cotton Adoption by Smallholders in Makhathini Flats. KwaZulu-Natal, South Africa Paper for the 5th International Conference on Biotechnology, Science and Modern Agriculture: A New Industry at the Dawn of the Century. Ravello, Italy, June 2000.

Johanson, A., Ives, C. L. 2001. An Inventory of Agricultural Biotechnology for the Eastern and Central Africa Region. Michigan State University. 1 - 62. Online a/o 2/20/06. <http://www.iaa.msu.edu/absp/inventory1.html>

Kasha, K. J. 2000. Biotechnology and World Food Supply. Genome. 42(4): 642-645.

Keetch, D. , Webster, J., Ngqaka, A., Akanbi, R., Mahlangu, P. 2005. Bt Maize for Small Scale Farmers - A Case Study. African Journal of Biotechnology. 4(13): 1505-1509.

Kendall, H., Beachy, R., Eisner, T., Gould, F., Herdt, R., Raven, P., Swaminathan, M., Schell, J. 1997. Bioengineering of Crops Report of the World Bank Panel on Transgenic Crops. Environmentally and Socially Sustainable Development Studies and Monographs Series No. 23. Series: Environmentally Sustainable Development Studies, Proceedings, and Monographs. (23): 1-33.

Khush, G. 2000. Green Revolution: Preparing for the 21st Century. Genome. 42(4): 646-655.

Kirsten, J., Gouse, M. , Jenkins, L. 2002. Bt Cotton in South Africa - Adoption and the Impact on Farm Incomes Amongst Small-Scale and Large-Scale Farmers. 6th International ICABR Conference, Ravello, Italy, July 11-14, 2002: 1-11.

Kishore, G., Shewmaker, C. 1999. Biotechnology: Enhancing Human Nutrition in Developing and Developed Worlds. Proceedings of the National Academy of Sciences of the United States of America. 96(11): 5968-5972.

Korban, S., Krasnyanski, S., Buetow, D. 2002. Foods as Production and Delivery Vehicles for Human Vaccines. Supplement to Journal of the American College of Nutrition. 21(3S): 212S-217S.

Krattiger, A. 1998. The Importance of Ag-Biotech to Global Prosperity. ISAAA Briefs (Brief 6): 1-13.

- Krattiger, A. 1997. Insect Resistance in Crops: A Case Study of Bt and its Transfer To Developing Countries. ISAAA Briefs International Service for the Acquisition of Agri-biotech Applications. (Brief 2): 1-46.
- Lacy, P. 2003. Deploying the Full Arsenal - Fighting Hunger with Biotechnology. SAIS Review. 23(1): 181-202.
- Lonnerdal, B. 2002. Expression of Human Milk Proteins in Plants. Supplement to Journal of the American College of Nutrition. 21(3S): 218S-221S.
- Lucca, P., Hurrell, R., Potrykus, I. 2002. Fighting Iron Deficiency Anemia with Iron-Rich Rice. Supplement to Journal of the American College of Nutrition. 21(3S): 184S-190S.
- Mackey, M. 2003. The Developing World Benefits from Plant Biotechnology. Journal of Nutrition Education and Behavior. 35(4): 210-214.
- Mackey, M. 2002. The Application of Biotechnology to Nutrition- An Overview. Supplement to Journal of the American College of Nutrition. 21(3S): 157S-160S.
- Mackey, M., Montgomery, J. 2004. Plant Biotechnology Can Enhance Food Security and Nutrition in the Developing World - Part II. Nutrition Today. 39(5): 221-226.
- Mackey, M., Montgomery, J. 2004. Plant Biotechnology Can Enhance Food Security and Nutrition in the Developing World - Part I. Nutrition Today. 39(2): 52-58.
- Massieu, Y., Gonzalez, R.L., Chauvet, M., Castaneda, Y., Barajas, R.E. 2000. Transgenic Potatoes for Small-scale Farmers: A Case Study in Mexico. Biotechnology and Development Monitor. 41: 6-10.
- Normile, D. 2000. Monsanto Donates its Share of Golden Rice. Science. 289(5481): 843-845.
- Paine, J., Shipton, C., Chaggar, S., Howells, R., Kennedy, M., Vernon, G., Wright, S., Hinchliffe, E., Adams, J., Silverstone, A., Drake, R. 2005. Improving the Nutritional Value of Golden Rice through Increased Pro-vitamin A Content. Nature Biotechnology. 23(4): 482-487.
- Pray, C., Huang, J., Hu, R., Rozelle, S. 2002. Five Years of Bt Cotton in China - the Benefits Continue. The Plant Journal. 31(4): 423-430.
- Pray, C., Ma, D., Huang, J., Qiao, F. 2001. Impact of Bt Cotton in China. World Development. 29(5): 1-34
- Qaim, M. 2003. Bt Cotton in India: Field Trial Results and Economic Projections. World Development. 31(12): 2115-2127.

Qaim, M., Krattiger, A., Von Braun, J. 2000. *Agricultural Biotechnology in Developing Countries: Towards Optimizing the Benefits for the Poor*. Kluwer Academic Publishers, Boston. ISBN 0-7923-7230-1. 448 pages.

Qaim, M. 1999. *Assessing the Impact of Banana Biotechnology in Kenya*. ISAAA Briefs. Brief 10: 1-38.

Qaim, M. 1999. *The Economic Effects of Genetically Modified Orphan Commodities: Projections for Sweet Potato in Kenya*. ISAAA Briefs. Brief 13: 1-47.

Raney, T. 2006. *Economic Impact of Transgenic Crops in Developing Countries*. *Current Opinion in Biotechnology*. 17: 174-178.

Rochefford, T., Wong, J., Egesel, C., Lambert, R. 2002. *Enhancement of Vitamin E Levels in Corn Fighting Iron Deficiency Anemia with Iron-Rich Rice*. Supplement to *Journal of the American College of Nutrition*. 21(3S): 191S-198S.

Schimmelphennig, D., Rosen, S., Pray, C. 2005. *Genetically Engineered Corn in South Africa. Implications for Food Security in the Region*. Food Security Assessment. Economic Research Service. USDA. GFA-16: 35-44.

Serageldin, I. 1999. *From Green Revolution to Gene Revolution*. *Economic Perspectives*. 4 (4): 17-19.

Sevenier, R., van der Meer, I., Bino, R., Koops, A. 2002. *Increased Production of Nutriments by Genetically Engineered Crops*. Supplement to *Journal of the American College of Nutrition*. 21(3S): 199S-204S.

Swaminathan, M.S. 2000. *Genetic Resources: Biotechnology and World Food Supply: Foreword*. *Genome*. 42(4): 554-556.

Traxler, G., Godoy-Avila, S., Falck-Zepeda, J, Espinoza-Arellano, J. 2001. *Transgenic Cotton in Mexico: Economic and Environmental Impacts*. 7(1-2): 57-62.

Thirtle, C. , Beyers, L. , Ismael, Y. , Piesse, J. 2003. *Can Gm-Technologies Help The Poor? The Impact of Bt Cotton in Makhathini Flats, Kwazulu-Natal*. *World Development*. 31(4): 717-732.

Thomas, S., Burke, D., Gale, M., Lipton, M., Weale, A. 2003. *The Use of Genetically Modified Crops in Developing Countries*. Nuffield Council on Bioethics: 1-122.

Thomson, J. 2004. *The Status of Plant Biotechnology in Africa*. *AgBioForum*. 7(1-2): 9-12.

Thro, A. M., Roca, W., Iglesias, C., Henry, G., Ng, S. 1998. *Contributions of In-vitro Biology to Cassava Improvement*. *African Crop Science Journal*. 6(3): 303-315.

Wambugu, F. 1999. *Why Africa Needs Agricultural Biotech*. *Nature*. 400: 15-16.

Zimmermann, R., Qaim, M. 2002. Projecting the Benefits of Golden Rice in the Philippines. ZEP Discussion Papers on Development Policies No. 51, Center for Development Research, Bonn: 33.

Economic

Alston, J., Hyde, J., Marra, M., Mitchell, P. 2002. An Ex Ante Analysis of the Benefits from the Adoption of Corn Rootworm Resistant Transgenic Corn Technology. *AgBioForum*. 5(3): 71-84.

Brookes, G., Barfoot, P. 2007. GM Crops: The First Ten Years - Global Socio-Economic and Environmental Impacts. ISAAA. Brief #36: 1-116.

Brookes, G., Barfoot, P. 2006. Global Impact of Biotech Crops: Socio-Economic and Environmental Effects in the First Ten Years of Commercial Use. *AgBioforum*. 9(3): 139-151.

Brookes, G., Aniol, A., West, B. 2005. The Farm Level Impact of Using GM Agronomic Traits in Polish Arable Crops. *Biotechnologia*. 68: 7-46.

Brookes, G., Barfoot, P. 2005. GM Crops - The Global Economic and Environmental Impact - The First Nine Years 1996-2004. *AgBioForum*. 8(2-3): 187-196.

Brookes, G., Barfoot, P. 2005. GM Crops - The Global Economic and Environmental Impact - The First Nine Years 1996-2004 (Full Report). PG Economics Ltd., UK. 97 pages.

Conway, G. 2005. GM Crops - An International Perspective on the Economic and Environmental Benefits. *Aspects of Applied Biology*. 74: 3-24.

Demont, M., Tollens, E., Kiss, J., Fogarasi, J. 2005. Potential Impact of Biotechnology in Eastern Europe - Transgenic Maize, Sugar Beet and Oilseed Rape in Hungary. Katholieke Universiteit Leuven, Faculty of Applied Bioscience and Engineering. Working Paper 2005/92: 1-65.

Gianessi, L. 2005. Economic and Herbicide use Impacts of Glyphosate-resistant Crops. *Pest Management Science*. 61(3): 241 - 245.

Morse, S., Bennett, R., Ismael, Y. 2005. Genetically Modified Insect Resistance in Cotton: Some Farm Level Economic Impacts in India. *Crop Protection*. 24(5): 433 - 440.

Qaim, M., Traxler, G. 2002. Roundup Ready® Soybeans in Argentina - Farm Level, Environmental and Welfare Effects. 6th Int'l ICABR Conference, Ravello, Italy, July 11-14, 2002: 1-15.

Runge, C., Ryan, B. 2003. The Economic Status and Performance of Plant Biotechnology in 2003 - Adoption, Research and Development in the United States. Council for Biotechnology Information. CBI: 1-122.

Sankula, S., Marmon, G., Blumenthal, E. 2005. Biotechnology-Derived Crops Planted in 2004 - Impacts on US Agriculture. NCFAP: 1-101.

Sankula, S. , Blumenthal, E. 2004. Exec Summary - Impacts on US Agriculture of Biotechnology-derived Crops Planted in 2003 - An Update of Eleven Case Studies. NCFAP National Center for Food and Agricultural Policy: 1-8.

Sankula, S., Blumenthal, E. 2004. Impacts on US Agriculture of Biotechnology-derived Crops Planted in 2003 - An Update of Eleven Case Studies. NCFAP National Center for Food and Agricultural Policy: 1-92.

Thirtle, C., Beyers, L., Ismael, Y., Piesse, J . 2003. Can Gm-Technologies Help the Poor. The Impact of Bt Cotton in Makhathini Flats, Kwazulu-Natal. World Development. 31(4): 717-732.

Trigo, E., Cap, E. 2004. The Impact of the Introduction of Transgenic Crops in Argentinean Agriculture. AgBioForum. 6(3): 87-94

Health Benefits

Bennett, R., Buthelezi, T., Ismael, Y., Morse, S. 2003. Bt Cotton, Pesticides, Labour and Health - A Case Study of Smallholder Farmers in the Makhathini Flats, Republic of South Africa 2003. *Outlook on Agriculture*. 32(2): 123 - 128.

Hossain, F., Pray, C., Lu, Y., Huang, J., Fan, C., Hu, R. 2004. Genetically Modified Cotton and Farmers' Health in China. *International Journal of Occupational and Environmental Health*. 10: 296-303.

Huang, J., Hu, R., Rozelle, S., Pray, C. 2005. Insect-Resistant GM Rice in Farmers' Fields - Assessing Productivity and Health Effects in China. *Science*. 308: 688-690

Lucca, P., Hurrell, R., Potrykus, I. 2002. Fighting Iron Deficiency Anemia with Iron-Rich Rice. *Journal of the American College of Nutrition*. 21(3): 184S-190S.

Mackey, M. 2002. The Application of Biotechnology to Nutrition - An Overview. *Journal of the American College of Nutrition*. 21(3): 157S-160S.

Streatfield, S., Jilka, J., Hood, E., Turner, D., Bailey, M., Mayor, J., Woodard, S., Beifuss, K., Horn, M., Delaney, D., Tizard, I., Howard, J. 2001. Plant-based Vaccines: Unique Advantages. *Vaccine*. 19(17-19): 2742-2748.

Zimmermann, R., Qaim, M. 2004. Potential Health Benefits of Golden Rice: A Philippine Case Study. *Food Policy*. 29(2): 147-168.

Zimmermann, M., Hurrell, R. 2002. Improving Iron, Zinc and Vitamin A Nutrition through Plant Biotechnology. *Plant Biotechnology*. 13: 142-145.

ENVIRONMENTAL BENEFITS

General

Alvarez-Morales, A. 2000. Mexico: Ensuring Environmental Safety While Benefiting From Biotechnology. *Agricultural Biotechnology and the Poor: Proceedings of an International Conference*, Washington, DC, USA: 90-96.

Ammann, K. 2005. Effects of Biotechnology on Biodiversity: Herbicide-Tolerant and Insect-Resistant GM Crops. *Trends in Biotechnology*. 23(8): 388-394.

Armstrong, J. S., Leser, J., Kraemer, G., 2000. An Inventory of the Key Predators of Cotton Pests on Bt and Non-Bt Cotton in West Texas. P. Dugger, D. Richter, Editors. *Proceedings Beltwide Cotton Conferences*, San Antonio, USA. 2: 1030-1033.

Barton, J., Dracup, M. 2000. Genetically Modified Crops and the Environment. *Agronomy Journal*. 92 (4): 797-802.

Brookes, G. 2007. The Benefits of Adopting Genetically Modified Insect Resistant (Bt) Maize in the European Union (EU): First Results from 1998-2006 Plantings. PG Economics Ltd. 39 pages.

Brookes, G., Barfoot, P. 2005. GM Crops - The Global Economic and Environmental Impact - The First Nine Years 1996-2004. *AgBioForum*. 8(2-3): 187-196.

Brookes, G., Barfoot, P. 2005. GM Crops - The Global Economic and Environmental Impact - The First Nine Years 1996-2004 (Full Report). PG Economics Ltd., UK. 97 pages.

Carpenter, J., Felsot, A., Goode, T., Hammig, M., Onstad, D., Sankula, S. 2002. Comparative Environmental Impacts of Biotechnology-derived and Traditional Soybean, Corn, and Cotton Crops. *Council for Agricultural Science and Technology CAST*: 1-189.

Conway, G. 2005. GM Crops - An International Perspective on the Economic and Environmental Benefits. *Aspects of Applied Biology*. 74: 3 - 24.

Cooper, J., Dobson, H. 2007. Pesticides and Humanity: The Benefits of Using Pesticides. *Natural Resources Institute, University of Greenwich*. Pages 1-75.

Crawley, M., Brown, S., Hails, R., Kohn, D., Rees, M. 2001. Transgenic Crops in Natural Habitats. *Nature*. 409(6821): 682-683.

D'Emden, F., Llewellyn, R., Burton, M. 2006. Adoption of Conservation Tillage in Australian Cropping Regions: An Application of Duration Analysis. *Technological Forecasting and Social Change*. 73: 630-647.

Duke, S., Cerdeira, A. 2007. Risks and Benefits of Glyphosate-Resistant Crops. ISB News Report. January 2007: 4 pages.

Fawcett, R., Towery, D. 2002. Conservation Tillage and Plant Biotechnology - How New Technologies Can Improve the Environment by Reducing the Need to Plow. Conservation Technology Information Center: 1-24.

Ferber, D. 1999. Risks and Benefits: GM Crops in the Cross Hairs. *Science*. 286: 1662-1666.

Firbank, L., Forcella, F. 2000. Genetically Modified Crops and Farmland Biodiversity. *Science*. 289: 1481-1482.

Fraley, R., Barry, G., Fuchs, R., Glick, H., Horsch, R., Montgomery, J., Nickson, T., Purcell, J., Sachs, E., Vincent, M. 2002. Putting Plant Biotechnology to Work for Food, Nutrition and Development. *African Journal of Food and Nutrition Sciences*. 2(2): 47-58.

Gianessi, L., Silvers, C., Sankula, S., Carpenter, J. 2002. Executive Summary - Plant Biotechnology - Current and Potential Impact for Improving Pest Management in US Agriculture. An Analysis of 40 Case Studies. NCFAP. National Center for Food and Agricultural Policy: 1-23.

Gianessi, L., Silvers, C., Sankula, S., Carpenter, J. 2002. Plant Biotechnology - Current and Potential Impact for Improving Pest Management in US Agriculture. An Analysis of 40 Case Studies. NCFAP. National Center for Food and Agricultural Policy: 1-75.

Johnson, C.S. 2000. Genetic Enhancement of Crops: The Major Way Remaining to Ensure Global Food Security. *Diversity*. 15(4): 22-24.

Kaeppler, H. 2000. Food Safety Assessment of Genetically Modified Crops. *Agronomy Journal*. 92(4): 793-796.

May, M., Champion, G., Dewar, A., Qi, A., Pidgeon, J. 2005. Management of Genetically Modified Herbicide-Tolerant Sugar Beet for Spring and Autumn Environmental Benefit. *Proceedings of the Royal Society*. 8 pages. doi: 10.1098/rspb.2004.2948.

Morse, S., Bennett, R., Ismael, Y. 2006. Environmental Impact of Genetically Modified Cotton in South Africa. *Agriculture Ecosystems and Environment*. 117(4): 277-289.

Pletsch, M., de Araujo, B., Charlwood, B. 1999. Novel Biotechnological Approaches in Environmental Remediation Research. *Biotechnology Advances*. 17(8): 679-687.

Rabjohn, P., Helm, E., Stanley, J., West, C., Sampson, H., Burks, A., Bannon, G. 1999. Molecular Cloning and Epitope Analysis of the Peanut Allergen Ara H 3. *Journal of Clinical Investigation*. 103: 535-542.

Sankula, S., Blumenthal, E. 2004. Impacts on US Agriculture of Biotechnology-derived Crops Planted in 2003 - An Update of Eleven Case Studies. NCFAP National Center for Food and Agricultural Policy: 1-92.

Sharma, H., Ortiz, R. 2000. Transgenics, Pest Management, and the Environment. Current Science. 79(4): 421 - 437.

Wackett, L. 2000. Environmental Biotechnology. Trends in Biotechnology. 18(1): 19-21.

Pesticide Reduction

2001. Benefits Assessment. Revised BT Crops Assessment. EPA: IIE1-IIE38.

2001. Conservation Tillage Study. American Soybean Association: 1-22.

2001. Summary. An Agronomic and Economic Assessment of Transgenic Canola - Impact of Transgenic Canola on Growers, Industry and Environment. Canola Council of Canada: 1-4. www.canola-council.org/manual/gmo/gmo_main.htm

Benedict, J., Altman, D. 2001. Commercialization of Transgenic Cotton Expressing Insecticidal Crystal Protein. Genetic Improvement of Cotton. Chap. 8: 137-201.

Carpenter, J. E., Gianessi, L. 2001. Agricultural Biotechnology: Updated Benefit Estimates. National Center for Food and Agricultural Policy: 1-48.

Cherian, S., Reddy, M., Ferreira, R. 2006. Transgenic Plants with Improved Dehydration-stress Tolerance: Progress and Future Prospects. *Biologia Plantarum*. 50(4): 481-495.

Coyette, B., Tencalla, F., Brants, I., Fichet, Y. 2002. Effect of Introducing Glyphosate-Tolerant Sugar Beet on Pesticide Usage in Europe. *Pesticide Outlook*: 219-223.

Elena, M. 2001. Economic Advantage of Transgenic Cotton in Argentina. Proceedings of the Beltwide Cotton Conference. 2: 1066-1068.

Fernandez-Cornejo, J., McBride, W. 2002. Adoption of Bioengineered Crops. USDA. Agricultural Economic Report. No. 10: 1-67.

Gianessi, L., Sankula, S., Reigner, N. 2003. Plant Biotechnology - Potential Impact for Improving Pest Management in European Agriculture. A summary of Three Case Studies. NCFAP. National Center for Food and Agricultural Policy: 1-12.

Gianessi, L., Sankula, S., Reigner, N. . 2003. Plant Biotechnology - Potential Impact for Improving Pest Management in European Agriculture. Maize Case Study. NCFAP. National Center for Food and Agricultural Policy: 1-21

Gianessi, L., Sankula, S., Reigner, N. . 2003. Plant Biotechnology - Potential Impact for Improving Pest Management in European Agriculture. Maize - Herbicide Tolerant Case Study. NCFAP. National Center for Food and Agricultural Policy: 1-11.

Gianessi, L., Sankula, S., Reigner, N. . 2003. Plant Biotechnology - Potential Impact for Improving Pest Management in European Agriculture. Rice-herbicide Tolerant Case Study. NCFAP. National Center for Food and Agricultural Policy: 1-16.

Gianessi, L., Sankula, S., Reigner, N. . 2003. Plant Biotechnology - Potential Impact for Improving Pest Management in European Agriculture. Wheat-Herbicide Tolerant Case Study. NCFAP. National Center for Food and Agricultural Policy: 1-19.

Gianessi, L., Silvers, C., Sankula, S., Carpenter, J. 2002. Executive Summary - Plant Biotechnology - Current and Potential Impact for Improving Pest Management in US Agriculture. An Analysis of 40 Case Studies. NCFAP. National Center for Food and Agricultural Policy: 1-23.

Gianessi, L., Silvers, C., Sankula, S., Carpenter, J. 2002. Plant Biotechnology - Current and Potential Impact for Improving Pest Management in US Agriculture. An Analysis of 40 Case Studies. NCFAP. National Center for Food and Agricultural Policy: 1-75.

Harlander, S. 2002. The Evolution of Modern Agriculture and its Future with Biotechnology. Supplement to Journal of the American College of Nutrition. 21(3S): 161S-165S.

Heimlich, R, Fernandez-Cornejo, J., McBride, W., Klotz-Ingram, S., Brooks, N. 2000. Genetically Engineered Crops: Has Adoption Reduced Pesticide Use? USDA Publication AER-786.

Huang, J., Rozelle, S., Pray, C., Wang, Q. 2002. Plant Biotechnology in China. Science. 295: 674-677.

Knox, O., Constable, G., Pyke, B., Gupta, V. 2006. Environmental Impact of Conventional and Bt Insecticidal Cotton Expressing One and Two Cry Genes in Australia. Australian Journal of Agricultural Research. 57: 501-509.

Lu, Y., Pray, C., Hossain, F. 2002. An Econometric Analysis of the Reduction in Pesticide Poisoning Due to BT Cotton Use in China. 6th International ICABR Conference, Ravello, Italy, July 11-14, 2002: 1-21.

Marra, M., Pardey, P., Alston, J. 2002. The Payoffs to Agricultural Biotechnology - An Assessment of the Evidence. Environment and Production Technology Division (EBTD), International Food Policy Research Institute. No. 87: 1-57.

Phipps, R., Park, J. 2002. Environmental Benefits of Genetically Modified Crops - Global and European Perspectives on Their Ability to Reduce Pesticide Use. Journal of Animal and Feed Sciences. 11: 1-18.

Pray, C., Ma, D., Huang, J., Qiao, F. 2001. Impact of Bt Cotton in China. World Development. 29(5): 1-34.

Qaim, M., Cap, E., Janvry, A. 2003. Agronomics and Sustainability of Transgenic Cotton in Argentina. Agbioforum. 6(1-2): 41-47.

Qaim, M., Zilberman, D. 2003. Yield Effects of Genetically Modified Crops in Developing Countries. Science. 299: 900-902.

- Qaim, M., Janvry, A. 2003. BT Cotton, Pesticide Use and Resistance Development in Argentina. Int'l Consortium on Agricultural Biotechnology Research. 7th ICABR International Conference, Ravello, Italy, June 29-July 3, 2003: 1-25.
- Qaim, M., Traxler, G. 2002. Roundup Ready® Soybeans in Argentina - Farm Level, Environmental and Welfare Effects. 6th Int'l ICABR Conference, Ravello, Italy, July 11-14, 2002: 1-15.
- Ramirez-Romero, R. , Chaufaux, J., Pham-Delegue, M. 2005. Effects of Cry1Ab Protoxin, Deltamethrin and Imidacloprid on the Foraging Activity and the Learning Performances of the Honeybee *Apis mellifera*, a Comparative Approach. *Apidologie*. 36: 601-611.
- Sankula, S. 2006. Quantification of the Impacts on US Agriculture of Biotechnology-derived Crops Planted in 2005. NCFAP. 110 pages.
- Sankula, S., Blumenthal, E. 2004. Exec Summary - Impacts on US Agriculture of Biotechnology-derived Crops Planted in 2003 - An Update of Eleven Case Studies. NCFAP National Center for Food and Agricultural Policy: 1-8.
- Shelton, A., Zhao, J., Roush, R. 2002. Economic, Ecological, Food Safety, and Social Consequences of the Deployment of Bt Transgenic Plants. *Annual Reviews Entomology*. 47: 845-881.
- Teran-Vargas, A. , Rodriguez, J., Blanco, C., Martinez-Carrillo, J., Cibrian-Tovar, J., Sanchez-Arroyo, H., Rodriguez-Del-Bosque, L., Stanley, D. 2005. Bollgard Cotton and Resistance of Tobacco Budworm (Lepidoptera: Noctuidae) to Conventional Insecticides in Southern Tamaulipas, Mexico. *Journal of Economic Entomology*. 98(6): 2203-2209.
- Traxler, G., Godoy-Avila, S. 2004. Transgenic Cotton in Mexico. *AgBioForum*. 7(1-2): 57-62
- Xia, J. Y., Cui, J. J., Ma, L. H., Dong, S. X., Cui, X. F. 1999. The Role of Transgenic Bt Cotton in Integrated Insect Pest Management. *Acta Gossypii Sinica*. 11(2): 57-64.

Water Quality

Cullum, R.F., Smith, S. Jr. 2001. Bt Cotton in Mississippi Delta Management Systems Evaluation Area: Insecticides in Runoff, 1996-1999. IN: The Mississippi Delta Management Systems Evaluation Areas Project, 1995-99. Mississippi Agriculture and Forestry Experiment Station, Mississippi State University. MAFES Information Bulletin 377: 91-99.

Estes, T., Allen, R., Jones, R., Buckler, D., Carr, K., Gustafson, D., Gustin, C., McKee, M., Hornsby, A., Richards, R. 2001. Predicted Impact of Transgenic Crops on Water Quality and Related Ecosystems in Vulnerable Watersheds in the United States. Soil and Water Mini-Symposium, British Crop Protection Council Conference, Brighton, U.K. 10 pages.

Fawcett, R., Towery, D. 2002. Conservation Tillage and Plant Biotechnology - How New Technologies can Improve the Environment by Reducing the Need to Plow. Conservation Technology Information Center: 1-24.

Fernandez-Cornejo, J., McBride, W. 2002. Adoption of Bioengineered Crops. USDA. Agricultural Economic Report. No. 10: 1-67.

Intarapapong, W., Hite, D., Reinschmiedt, L. 2002. Water Quality Impacts Of Conservation Agricultural Practices In The Mississippi Delta. Journal of the American Water Resources Association. 38(2): 507 - 515.

Shipitalo, M., Malone, R. 2000. Runoff Losses of Pre- and Post-Emergence Herbicides from Watersheds in a Corn-Soybean Rotation. The Ohio State University: Ohio Agricultural Research and Development Center (OARDC): 1-4.

Wauchope, R., Estes, T., Allen, R., Baker, J., Hornsby, A., Jones, R., Richards, R., Gustafson, D. 2001. Predicted Impact of Transgenic, Herbicide-tolerant Corn on Drinking Water Quality in Vulnerable Watersheds of the Mid-western USA. Pest Management Science. 58: 146-160.

Non-Target Insects

Head, G., Freeman B., Moar W., Ruberso J., Turnipseed, S. 2001. Natural Enemy Abundance in Commercial Bollgard® and Conventional Cotton Fields. Proceedings of the Beltwide Cotton Production Conference, Jan. 9-13, 2001. 2: 796-797.

Reed, G., Jensen, A., Riebe, J., Head, G., Duan, J. 2001. Transgenic Bt Potato and Conventional Insecticides for Colorado Potato Beetle Management - Comparative Efficacy and Non-target Impacts. Entomologia Experimentalis et Applicata. 100: 89-100.

Ruiz, P., Novillo, C., Fernandez-Anero, J., Campos, M. 2001. Soil Arthropods in Glyphosate Tolerant and Isogenic Maize Lines Under Different Soil/Weed Management Practices. IN: Proceedings Addendum of First World Congress on Conservation Agriculture, Madrid, 1-5 October, 2001: 1-8.

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