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Albrecht, M., Duelli, P., Muller, C., Kleijn, D., & Schmid, B. (2007)

The Swiss Agri-Environment Scheme Enhances Pollinator Diversity and Plant Reproductive Success in Nearby Intensively Managed Farmland. *Journal of Applied Ecology*, 44, 4 %R doi:10.1111/j.1365-2664.2007.01306.x, pp 813-822
<http://www.blackwell-synergy.com/doi/abs/10.1111/j.1365-2664.2007.01306.x> AND
<http://www.botanischergarten.ch/Organic/Albrecht-SwissAgri-2007.pdf> AND Faculty of 1000 evaluation
<http://www.botanischergarten.ch/Facultyof1000/Albrecht-F1000-AgroEnvironment-2007.pdf>

Castle, L.A., Siehl, D.L., Gorton, R., Patten, P.A., Chen, Y.H., Bertain, S., Cho, H.-J., Duck, N., Wong, J., Liu, D., & Lassner, M.W. (2004)

Discovery and Directed Evolution of a Glyphosate Tolerance Gene. *Science*, 304, 5674, pp 1151-1154
<http://www.sciencemag.org/cgi/content/abstract/304/5674/1151> AND <http://www.botanischergarten.ch/HerbizideTol/Castle-Science-Shuffling.pdf> AND <http://www.botanischergarten.ch/Facultyof1000/Castle-Directed-2004.pdf>

Clough, Y., Holzschuh, A., Gabriel, D., Purtauf, T., Kleijn, D., Kruess, A., Steffan-Dewenter, I., & Tschardt, T. (2007)

Alpha and Beta Diversity of Arthropods and Plants in Organically and Conventionally Managed Wheat Fields. *Journal of Applied Ecology*, 44, 4 %R doi:10.1111/j.1365-2664.2007.01294.x, pp 804-812
<http://www.blackwell-synergy.com/doi/abs/10.1111/j.1365-2664.2007.01294.x> AND
<http://www.botanischergarten.ch/Organic/Clough-Alpha-Beta-2007.pdf> AND Faculty of 1000 evaluation
<http://www.botanischergarten.ch/Facultyof1000/Clough-F1000-alpha-beta-2007.pdf>

Crawley, M. & Brown, S. (2004)

Spatially Structured Population Dynamics in Feral Oilseed Rape. *Proc. R. Soc. Lond. B*, 271, pp 1909-1916
<http://www.journals.royalsoc.ac.uk/media/53F7YLTRVQ4Q54QMhQVL/Contributions/1/R/8/K/1R8KTGGXUP8AN0T5.pdf>
AND <http://www.botanischergarten.ch/Feral/Crawley-Spatially-Struct-2004.pdf> AND
<http://www.botanischergarten.ch/Facultyof1000/Crawley-Spatially-2004.pdf>

Deu, M., Rattunde, F., & Chantreau, J. (2006)

A Global View of Genetic Diversity in Cultivated Sorghums Using a Core Collection. *Genome*, 49, 2, pp 168-180
<Go to ISI>://000236286100009 AND <http://www.botanischergarten.ch/Africa-Harvest-Sorghum-Lit-1/Deu-Globalview-Genetics-Sorghum-2006.pdf> AND <http://www.botanischergarten.ch/Facultyof1000/Deu-Sorghum-2006.pdf>

Douches, D.S., Pett, W., Santos, F., Coombs, J., Grafius, E., Li, W., Metry, E.A., El-Din, T.N., & Madkour, M. (2004)

Field and Storage Testing Bt Potatoes for Resistance to Potato Tuberworm (*Lepidoptera* : *Gelichiidae*). *Journal of Economic Entomology*, 97, 4, pp 1425-1431
<Go to ISI>://000223431900031 AND <http://www.botanischergarten.ch/Potatoe/Douches.Fieldstorage-2004.pdf> AND
<http://www.botanischergarten.ch/Facultyof1000/Deu-Sorghum-2006.pdf>

Gibson, R.H., Pearce, S., Morris, R.J., Symondson, W.O.C., & Memmott, J. (2007)

Plant Diversity and Land Use under Organic and Conventional Agriculture: A Whole-Farm Approach. *Journal of Applied Ecology*, 44, 4 %R doi:10.1111/j.1365-2664.2007.01292.x, pp 792-803
<http://www.blackwell-synergy.com/doi/abs/10.1111/j.1365-2664.2007.01292.x> AND
<http://www.botanischergarten.ch/Organic/Gibson-Diversity-2007.pdf> AND Faculty of 1000 evaluation
<http://www.botanischergarten.ch/Facultyof1000/Gibson-F1000-Diversity-Landuse-2007.pdf>

Gressel, J. (2005)

Problems in Qualifying and Quantifying Assumptions in Plant Protection Models: Resultant Simulations Can Be Mistaken by a Factor of Million. *Crop Protection*, 24, 11, pp 1007-1015
<http://www.sciencedirect.com/science/article/B6T5T-4GYH7DF-1/2/bfa82f115a6e413e859f2d5d6b055e23> and
<http://www.botanischergarten.ch/Modelling/Gressel-Models-2005.pdf> AND
<http://www.botanischergarten.ch/Facultyof1000/Gressel-Modelling-2005.pdf>

Gressel, J., Hanafi, A., Head, G., Marasas, W., Obilana, B., Ochanda, J., Souissi, T., & Tzozos, G. (2004)

Major Heretofore Intractable Biotic Constraints to African Food Security That May Be Amenable to Novel Biotechnological Solutions. *Crop Protection*, 23, 8, pp 661-689
<http://www.botanischergarten.ch/Mycotoxins/Gressel-African-bioconstraints.pdf> and F1000-evaluation:
<http://www.facultyof1000.com/article/nonpub48839/evaluation> AND
<http://www.botanischergarten.ch/Facultyof1000/Gressel-Constraints-2004.pdf>

Guehlstorf, N.P. & Hallstrom, L.K. (2005)

The Role of Culture in Risk Regulations: A Comparative Case Study of Genetically Modified Corn in the United States of America and European Union. *Environmental Science & Policy*, 8, 4, pp 327-342
<Go to ISI>://000231352300001 AND <http://www.botanischergarten.ch/Discourse/Guehlstorf-Culture-Regulation-2005.pdf>
AND <http://www.botanischergarten.ch/Facultyof1000/Guehlstorf-Culture-2005.pdf>

Hellmich, R.L., Siegfried, B.D., Sears, M.K., Stanley-Horn, D.E., Daniels, M.J., Mattila, H.R., Spencer, T., Bidne, K.G., & Lewis, L.C. (2001)

- Monarch Larvae Sensitivity to *Bacillus Thuringiensis*-Purified Proteins and Pollen. *Proceedings of the National Academy of Sciences of the United States of America*, 98, 21, pp 11925-11930
<http://www.pnas.org/cgi/content/full/211297698v1> AND <http://www.botanischergarten.ch/Facultyof1000/Hellmich-Sensitivity-2001.pdf>
- James, D., Schmidt, A.M., Wall, E., Green, M., & Masri, S. (2003)**
 Reliable Detection and Identification of Genetically Modified Maize, Soybean, and Canola by Multiplex Pcr Analysis. *Journal of Agricultural and Food Chemistry*, 51, 20, pp 5829-5834
 <Go to ISI>://000185403200001 AND <http://www.botanischergarten.ch/Regulation/James-Reliable-2003.pdf> AND <http://www.botanischergarten.ch/Facultyof1000/James-Detection-2003.pdf>
- Konig, A., Cockburn, A., Crevel, R.W.R., Debruyne, E., Grafstroem, R., Hammerling, U., Kimber, I., Knudsen, I., Kuiper, H.A., Peijnenburg, A., Penninks, A.H., Poulsen, M., Schauzu, M., & Wal, J.M. (2004)**
 Assessment of the Safety of Foods Derived from Genetically Modified (Gm) Crops. *Food and Chemical Toxicology*, 42, 7, pp 1047-1088
<http://www.sciencedirect.com/science/article/B6T6P-4C0TB0F-2/2/c05e63997072ff97fe1511166846e65f> and <http://www.botanischergarten.ch/Food/Konig-et-al.Food-Assessment-2004.pdf> and <http://www.facultyof1000.com/article/15123382/evaluation> AND <http://www.botanischergarten.ch/Facultyof1000/Konig-Assessment-2004.pdf>
- Limpert, E., Stahel, W.A., & Abbt, M. (2001)**
 Log-Normal Distributions across the Sciences: Keys and Clues. *Bioscience*, 51, 5, pp 341-352
 <Go to ISI>://000169293900007 and <http://www.facultyof1000.com/article/nonpub48840/evaluation> and <http://www.botanischergarten.ch/LogNormal/Limpert-Bioscience.pdf> AND <http://www.botanischergarten.ch/Facultyof1000/Limpert-Log-Normal-2001.pdf>
- Maghuly, F., da Câmara Machado, A., Leopold, S., Khan, M., Katinger, H., & Laimer, M. (2007)**
 Long-Term Stability of Marker Gene Expression in *Prunus Subhirtella*: A Model Fruit Tree Species. *Journal of Biotechnology*, 127, 2, pp 310-321
<http://www.botanischergarten.ch/Marker-Genes/Maghuly-Marker-2006.pdf> AND <http://www.botanischergarten.ch/Facultyof1000/Maghuly-Long-term-Stability-2006.pdf>
- Ortiz-Garcia, S., Ezcurra, E., Schoel, B., Acevedo, F., Soberon, J., & Snow, A.A. (2005)**
 Absence of Detectable Transgenes in Local Landraces of Maize in Oaxaca, Mexico (2003-2004). *PNAS*, 102, 35, pp 12338-12343
<http://www.pnas.org/cgi/content/abstract/102/35/12338> and <http://www.botanischergarten.ch/Mexico/Ortiz-Snow-PNAS-2005.pdf> AND <http://www.botanischergarten.ch/Facultyof1000/Ortiz-Garcia-Absence-2005.pdf>
- Ozinga, W.A., Bekker, R.M., Schaminee, J.H.J., & Van Groenendael, J.M. (2004)**
 Dispersal Potential in Plant Communities Depends on Environmental Conditions. *Journal of Ecology*, 92, 5, pp 767-777
 <Go to ISI>://000223906500004 AND <http://www.botanischergarten.ch/Weeds/Ozinga-Dispersal-2004.pdf> AND <http://www.botanischergarten.ch/Facultyof1000/Ozinga-Dispersal-2004.pdf>
- Poppy, G.M. & Sutherland, J.P. (2004)**
 Can Biological Control Benefit from Genetically-Modified Crops? Tritrophic Interactions on Insect-Resistant Transgenic Plants. *Physiological Entomology*, 29, 3, pp 257-268
 <Go to ISI>://000222962200009 AND <http://www.botanischergarten.ch/BioControl/Poppy-Benefit-2004.pdf> AND <http://www.botanischergarten.ch/Facultyof1000/Poppy-Biocontrol-Bt-2004.pdf>
- Prins, M. (2003)**
 Broad Virus Resistance in Transgenic Plants. *Trends in Biotechnology*, 21, 9, pp 373-375
<http://www.sciencedirect.com/science/article/B6TCW-492VSVF-2/2/7f712be3da1fcb97e5f813f8636c39f8> AND <http://www.botanischergarten.ch/Facultyof1000/Prins-Resistance-2003.pdf>
- Reardon, B.J., Hellmich, R.L., Sumerford, D.V., & Lewis, L.C. (2004)**
 Growth, Development, and Survival of *Nosema Pyrausta*-Infected European Corn Borers (Lepidoptera : Crambidae) Reared on Meridic Diet and Cry1ab. *Journal of Economic Entomology*, 97, 4, pp 1198-1201
 <Go to ISI>://000223431900002 AND <http://www.botanischergarten.ch/Bt/Reardon-Growth-2004.pdf> AND <http://www.botanischergarten.ch/Facultyof1000/Reardon-Infected-2004.pdf>
- Reichman, J.R., Watrud, L.S., Lee, E.H., Burdick, C.A., Bollman, M.A., Storm, M.J., King, G.A., & Mallory-Smith, C. (2006)**
 Establishment of Transgenic Herbicide-Resistant Creeping Bentgrass (*Agrostis Stolonifera* L.) in Nonagricultural Habitats. *Molecular Ecology*, 15, 13, pp 4243-4255
<http://www.blackwell-synergy.com/doi/abs/10.1111/j.1365-294X.2006.03072.x> AND <http://www.botanischergarten.ch/Geneflow/Reichmann-Bentgrass-2006.pdf> AND <http://www.botanischergarten.ch/Facultyof1000/Romeis-No-Effect-2004.pdf>
- Romeis, J., Dutton, A., & Bigler, F. (2004)**
Bacillus Thuringiensis Toxin (Cry1ab) Has No Direct Effect on Larvae of the Green Lacewing *Chrysoperla Carnea* (Stephens) (Neuroptera: Chrysopidae). *Journal of Insect Physiology*, 50, 2-3, pp 175-183
<http://www.sciencedirect.com/science/article/B6T3F-4B84T3T-1/2/041f2a2f6f5410dd5ec2748a70707ec6> or <http://www.botanischergarten.ch/Bt/Romeis-et-al-04-Chrysoperla.pdf> and evaluation F1000:

<http://www.facultyof1000.com/article/15019519/evaluation> AND
<http://www.botanischergarten.ch/Facultyof1000/Slingerland-malnutrition-2006.pdf>

Slingerland, M.A., Traore, K., Kayode, A.P.P., & Mitchikpe, C.E.S. (2006)

Fighting Fe Deficiency Malnutrition in West Africa: An Interdisciplinary Programme on a Food Chain Approach. *Njas-Wageningen Journal of Life Sciences*, 53, 3-4, pp 253-279
 <Go to ISI>://000238275500002 AND <http://www.botanischergarten.ch/Africa-Harvest-Sorghum-Lit-1/Slingerland-Deficiency-Sorghum-2006.pdf> AND <http://www.botanischergarten.ch/Facultyof1000/Slingerland-F1000-2006.pdf>

Sunilkumar, G., Campbell, L.M., Puckhaber, L., Stipanovic, R.D., & Rathore, K.S. (2006)

From the Cover: Engineering Cottonseed for Use in Human Nutrition by Tissue-Specific Reduction of Toxic Gossypol. *PNAS* %R 10.1073/pnas.0605389103, 103, 48, pp 18054-18059
<http://www.pnas.org/cgi/content/abstract/103/48/18054> AND <http://www.botanischergarten.ch/Cotton/Sunilkumar-Cottonseed-PNAS-2006.pdf> AND <http://www.botanischergarten.ch/Facultyof1000/Sunilkumar-cottonseed-2006.pdf>

Uhrig, J.F. (2003)

Response to Prins: Broad Virus Resistance in Transgenic Plants. *Trends in Biotechnology*, 21, 9, pp 376-377
<http://www.sciencedirect.com/science/article/B6TCW-492VSVF-1/2/b23e804a8c7d3fe03a485351ccb1c946> AND
<http://www.botanischergarten.ch/Facultyof1000/Uhrig-Response-2003.pdf>

Watrud, L.S., Lee, E.H., Fairbrother, A., Burdick, C., Reichman, J.R., Bollman, M., Storm, M., King, G., & Van de Water, P.K. (2004)

Evidence for Landscape-Level, Pollen-Mediated Gene Flow from Genetically Modified Creeping Bentgrass with Cp4 Epsps as a Marker. *Proceedings of the National Academy of Sciences of the United States of America*, 101, 40, pp 14533-14538
 <Go to ISI>://000224369600041 AND <http://www.botanischergarten.ch/Geneflow/Watrud-PNAS-preprint05154.pdf> AND
<http://www.botanischergarten.ch/Facultyof1000/Watrud-Bentgrass-2004.pdf>

Wenck, A., Pugieux, C., Turner, M., Dunn, M., Stacy, C., Tiozzo, A., Dunder, E., Van Grinsven, E., Khan, R., Sigareva, M., Wang, W.C., Reed, J., Drayton, P., Oliver, D., Trafford, H., Legris, G., Rushton, H., Tayab, S., Launis, K., Chang, Y.F., Chen, D.F., & Melchers, L. (2003)

Reef-Coral Proteins as Visual, Non-Destructive Reporters for Plant Transformation. *Plant Cell Rep*, 22, 4, pp 244-251
http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=PubMed&dopt=Citation&list_uids=12942310 AND
<http://www.botanischergarten.ch/Marker-Genes/Wenk-Visual-2003.pdf> AND
<http://www.botanischergarten.ch/Facultyof1000/Wenck-Visual-2003.pdf>

Whitehouse, M.E.A., Wilson, L.J., & Fitt, G.P. (2005)

A Comparison of Arthropod Communities in Transgenic Bt and Conventional Cotton in Australia. *Environmental Entomology*, 34, 5, pp 1224-1241
 <Go to ISI>://000232405800029 AND NEBIS AND <http://www.botanischergarten.ch/Facultyof1000/Whitehouse-Arthropod-2005.pdf>

Wiatrak, P.J., Wright, D.L., Marois, J.J., & Wilson, D. (2005)

Influence of Planting Date on Aflatoxin Accumulation in Bt, Non-Bt, and Tropical Non-Bt Hybrids. *Agronomy Journal*, 97, 2, pp 440-445
 <Go to ISI>://000228037700012 AND <http://www.botanischergarten.ch/Bt/Wiatrak-Aflatoxin-2005.pdf> AND
<http://www.botanischergarten.ch/Facultyof1000/Wiatrak-Aflatoxin-2005.pdf>