

- Avenot, H., Thomas, A., Gitaitis, R. D., Langston, D. B. Jr., and Stevenson, K. L. 2012. Molecular characterization of boscalid- and penthiopyrad-resistant isolates of *Didymella bryoniae* and assessment of their sensitivity to fluopyram. *Pest Management Science* 68:645–651.
- Brévault, T., Nibouche, S., Achaleke, J. and Carrière, Y. 2011. Assessing the role of non-cotton refuges in delaying *Helicoverpa armigera* resistance to Bt cotton in West Africa. *Evolutionary Applications*, *in press*.
- Carrière, Y., C. Ellers-Kirk, K. Hartfield, G. Larocque, B. Degain, P. Dutilleul, T. J. Dennehy, S. E. March, D. W. Crowder, X. Li, P. C. Ellsworth, S. E. Naranjo, J. C. Palumbo, A. Fournier, L. Antilla, and B. E. Tabashnik. 2012. Large-scale, spatially explicit test of the refuge strategy for delaying insecticide resistance. *Proc. Nat. Acad. Sci. (USA)* 109: 775-780.
- Chandi, Aman, Susana R. Milla-Lewis, Darci Giacomini, Philip Westra, Christopher Preston, David L. Jordan, Alan C. York, James D. Burton, and Jared R. Whitaker. 2012. Inheritance of Evolved Glyphosate Resistance in a North Carolina Palmer Amaranth (*Amaranthus palmeri*) Biotype. *International Journal of Agronomy - Volume 2012, Article ID 176108, 7 pages* doi:10.1155/2012/176108.
- Chu, D., Hu, X., Gao, C., Zhao, H., Nichols, R. L., and Li, X. 2011. Use of mtCOI PCR-RFLP for Identifying Subclades of *Bemisia tabaci* Mediterranean Group. *J. Eco. Entomol.* (in press).
- Coates, B.S., D.V. Sumerford, H. Wang, C.A. Abel, R. L. Hellmich, and B. D. Siegfried. A single major QTL controls expression of larval Cry1F resistance trait in *Ostrinia nubilalis* (Lepidoptera: Crambidae). *Genetica* 139(8):961-72.
- Crespo, A. L. B., A. Rodrigo-Simón, H. A. A. Siqueira, E. J. G. Pereira, J. Ferre, and B. D. Siegfried. 2011. Cross-resistance and mechanism of resistance to Cry1Ab toxin from *Bacillus thuringiensis* in a field-derived strain of European corn borer, *Ostrinia nubilalis*. *J. Invert. Pathol.* 107: 185-192.
- Crowder, D. W., Horowitz, A. R., Bresulauer, H., Rippa, M., Kontsedalov, S., Ghanim, M., and Carrière, Y. 2011. Niche partitioning and stochastic processes shape community structure following whitefly invasions. *Basic and Applied Ecology.* 12:685-694.
- Dennehy, T. J., Degain, B. A., Harpold, V. S., Zaborac, M., Morin, S., Fabrick, J. A., Nichols, R. L., Brown, J. K., Byrne, F. J., and Li, X. 2010. Extraordinary Resistance to Insecticides Reveals Exotic Q Biotype of *Bemisia tabaci* (Gennadius) in the New World. *Journal of Economic Entomology* Dec 2010 : Vol. 103, Issue 6, pg(s) 2174-2186 doi: 10.1603/EC10239.
- Ellsworth, P. C. 2010. *Lygus* in Cotton No. 4: Chemical Control Termination Guidelines (Draft). University of Arizona Cooperative Extension Circular (peer reviewed), 2 pp. [http://ag.arizona.edu/crops/presentations/DRAFT\\_LT\\_guide2-pg.pdf](http://ag.arizona.edu/crops/presentations/DRAFT_LT_guide2-pg.pdf).

Ellsworth, P. C. 2011. Cotton IPM: A Quiet Revolution Reduces Costs, Losses and Risks for Arizona's Cotton Growers. University of Arizona College of Agriculture and Life Sciences Impact Report. [http://ag.arizona.edu/apmc/docs/CottonIPM2011\\_Impacts.pdf](http://ag.arizona.edu/apmc/docs/CottonIPM2011_Impacts.pdf).

Ellsworth, P. C., A. Mostafa, L. Brown and S. Naranjo. 2011. Soft-bodied *Collops* likes soft bodies. Field Crops IPM Short. University of Arizona Cooperative Extension. <http://ag.arizona.edu/crops/cotton/files/CollopsVFlo.pdf>. July 2011.

Ellsworth, P. C., L. Brown, A. Fournier and S. Naranjo. 2011. \$1-plus Cotton: New Insect Thresholds? Field Crops IPM Short. University of Arizona Cooperative Extension. <http://ag.arizona.edu/crops/cotton/files/NewThresholdsVF.pdf>. June 2011.

Ellsworth, P. C., L. Brown, A. Fournier, X. Li, J. Palumbo and S. Naranjo. 2011. Keeping Cotton Green. Field Crops IPM Short. University of Arizona Cooperative Extension. <http://ag.arizona.edu/crops/cotton/files/SelectiveChemicalControlsvF.pdf>. July 2011.

Fabrick, J. A., L. G. Mathew, B. E. Tabashnik and X. Li. 2011. Insertion of an intact CR1 retrotransposon in a cadherin gene linked with Bt resistance in the pink bollworm, *Pectinophora gossypiella*. *Insect Mol. Biol.* 20: 651-665.

Fernández-Luna, M. T., B. E. Tabashnik, H. Lanz-Mendoza, A. Bravo, M. Soberón, and J. Miranda-Ríos. 2010. Single concentration tests show synergism among *Bacillus thuringiensis* subsp. *israelensis* toxins against the malaria vector mosquito *Anopheles albimanus*. *J. Invert. Pathol.* 104: 231-233.

Gaines, Todd A., Ward, Sarah M., Bukun, Bekir, Preston, Christopher, Leach, Jan E., Westra, Philip. 2012. Interspecific hybridization transfers a previously unknown glyphosate resistance mechanism in *Amaranthus* specie. *Evolutionary Applications*. ISSN: 1752-4571.

Gaspers, C., B. D. Siegfried, T. Spencer, A. P. Alves, N. P. Storer, I. Schuphan, and S. Eber. 2011. Susceptibility of European and North American populations of the European corn borer to the Cry1F insecticidal protein. *J. Appl. Entomol.* 135: 7-16.

Heuberger, S., C. Ellers-Kirk, B. E. Tabashnik and Y. Carrière. 2010. Pollen- and seed-mediated transgene flow in commercial cotton seed production fields. *PLoS ONE* 5(11): e14128. doi:10.1371/journal.pone.0014128.

Heuberger, S., C. Ellers-Kirk, B. E. Tabashnik and Y. Carrière. 2011. A spatially-explicit analysis of crop-to-crop gene flow in cotton. *Information Systems for Biotechnology News Report*, March 2011: 5-8.

Heuberger, S., D. W. Crowder, T. Brévault, B. E. Tabashnik and Y. Carrière. 2011. Modeling the effects of plant-to-plant gene flow, larval behavior, and refuge size on pest resistance to Bt cotton. *Environ. Entomol.* 40: 484-495.

Hu, X., Dennehy, T. J., Ni, X., Zhao, H., Nichols, R. L., and Li, X. 2011. Potential adaptation of a Q biotype whitefly strain from poinsettia to field crops. *Insect Science* 18 (6): 719-728.

Khajuria, C., L. L. Buschman, M. Chen, B. D. Siegfried, and K. Y. Zhu. Identification of a novel aminopeptidase P-like gene (OnAPP ) possibly involved in Bt toxicity and resistance in a major corn pest (*Ostrinia nubilalis*). *PLoS ONE* 6(8):e23983.

Li, X., B. A. Degain, V. S. Harpold, P. G. Marcon, R. L. Nichols, A. J. Fournier, S. E. Naranjo, J. C. Palumbo and P. C. Ellsworth. 2012. Baseline susceptibilities of B- and Q-biotype *Bemisia tabaci* to anthranilic diamides in Arizona. *Pest Management Science* 2012, 68: 83–91. DOI 10.1002/ps.2227.

McCloskey, W. and L. Brown. 2011. Considering Roundup Ready™ Alfalfa. Field Crops IPM Short. University of Arizona Cooperative Extension. <http://ag.arizona.edu/crops/cotton/files/RR-alfalfaShortF.pdf>.

McGrath, M. T. 2011. Challenge of fungicide resistance in managing vegetable diseases in United States and anti-resistance strategies. Chapter 16. Pages 191-207. *In Fungicide Resistance in Crop Protection: Threat and Management*. Thind, T. S. (Ed.). CABI International.

McGrath, M. T. and Hunsberger, L. K. 2011. Effectiveness for cucurbit powdery mildew of fungicides prone to resistance development. *Phytopathology* 100:S (abstract for presentation at NED-APS annual meeting).

McGrath, M. T. and Hunsberger, L. K. 2011. Efficacy of fungicides for managing cucurbit powdery mildew and pathogen sensitivity to fungicides, 2010. *Plant Disease Management Reports* 5:V104.

McGrath, M. T. and Hunsberger, L. K. 2011. Fungicide sensitivity of *Podosphaera xanthii* and efficacy of fungicides with resistance risk for cucurbit powdery mildew in New York in 2010. *Phytopathology* (abstract for presentation at APS annual meeting).

McGrath, M. T., Rivara, K. L., and Hunsberger, L. K. 2011. Sensitivity of the cucurbit powdery mildew pathogen to fungicides prone to resistance development. *Phytopathology* 100:S (abstract for presentation at NED-APS annual meeting).

Naranjo, S. E. 2010. Impacts of *Bt* transgenic cotton on integrated pest management. *J. Agric. Food Chem.* 59(11): 5842-51. (DOI:10.1021/jf102939c).

Naranjo, S. E. and P. C. Ellsworth. 2010. Fourteen years of *Bt* cotton advances IPM in Arizona. *Southwest. Entomol.* 35: 437-444.

Peira, E. J. G., N. P. Storer, and B. D. Siegfried. 2011. Fitness Costs of Cry1F Resistance in Laboratory-Selected European Corn Borer (Lepidoptera: Crambidae). *J. Appl. Entomol.* 135: 1-6.

Resistant Pest Management Newsletter. 2011. A Biannual Newsletter of the Center for Integrated Plant Systems (CIPS) in Cooperation with the Insecticide Resistance Action Committee (IRAC) and the Western Regional Coordinating Committee (WRCC-60). Vol. 21, No. 1 (Fall 2011). Online at: [http://whalonlab.msu.edu/Newsletter/pdf/21\\_1.pdf](http://whalonlab.msu.edu/Newsletter/pdf/21_1.pdf).

Stevenson, K. L., Keinath, A. P., Thomas, A., Langston, D. B., Roberts, P. D., Hochmuth, R. C., and Thornton, A. C. 2011. Boscalid insensitivity documented in *Didymella bryoniae* isolated from watermelon in Florida and North Carolina. Plant Health Progress doi:10.1094/PHP-2012-0518-01-BR.

Tabashnik, B. E. 2010. Communal benefits of transgenic corn. Science 330: 189-190.

Tabashnik, B. E. 2011. Pest control with Bt cotton and sterile insect releases. Information Systems for Biotechnology News Report, February 2011: 4-6.

Tabashnik, B. E. and Y. Carrière. 2011. Resistance to transgenic crops and pest outbreaks. In: Insect Outbreaks Revisited, eds. P. Barbosa, D. Letourneau and A. Agrawal: in press.

Tabashnik, B. E., F. Huang, M. N. Ghimire, B. R. Leonard, B. D. Siegfried, M. Rangasamy, Y. Yang, Y. Wu, L. J. Gahan, D. G. Heckel, A. Bravo and M. Soberón. 2011. Efficacy of genetically modified Bt toxins against insects with different mechanisms of resistance. Nature Biotechnology 29: 1128-1131.

Tabashnik, B. E., F. Huang, N. Mukti, B. Ghimire, B. R. Leonard, B. D. Siegfried, M. Rangasamy, Y. Yang, Y. Wu, L. J. Gahan, D. G. Heckel, A. Bravo and M. Soberón. Efficacy of genetically modified Bt Toxins against insects with different mechanisms of resistance. Nature Biotech. doi: 10.1038/nbt.

Tabashnik, B. E., M. S. Sisterson, P. C. Ellsworth, T. J. Dennehy, L. Antilla, L. Liesner, M. Whitlow, R. T. Staten, J. A. Fabrick, G. C. Unnithan, A. J. Yelich, C. Eilers-Kirk, V. S. Harpold, X. Li and Y. Carrière. 2010. Suppressing resistance to Bt cotton with sterile insect releases. Nature Biotechnology 28: 1304-1307.

Tan, S. Y., B. F. Cayabyab, E. P. Alcantara, Y. B. Ibrahim, F. Huang, E. E. Blankenship and B. D. Siegfried. Comparative Susceptibility of *Ostrinia furnacalis*, *Ostrinia nubilalis* and *Diatraea saccharalis* (Lepidoptera: Crambidae) to *Bacillus thuringiensis* Cry1 Toxins. Crop Prot. 30: 1184-1189.

Thomas, A., Langston, D. B. Jr., and Stevenson, K. L. 2012. Baseline sensitivity and cross-resistance within succinate-dehydrogenase-inhibiting fungicides and demethylation-inhibiting fungicides in *Didymella bryoniae*. Plant Dis. 96:979-984.

Thomas, A., Langston, D. B. Jr., Sanders, H. F., and Stevenson, K. L. 2012. Relationship between fungicide sensitivity and control of gummy stem blight of watermelon under field conditions. Plant Disease (in press).

Wan, P., Y. Huang, H. Wu, M. Huang, S. Cong, B. E. Tabashnik and K. Wu. 2011. Increased frequency of pink bollworm resistance to Bt toxin Cry1Ac. PLoS ONE: in press.

Whalon, M. E., Mota-Sanchez, D. and Robert M. Hollingworth. 2012. Arthropod Pesticide Resistance Database 2012. On-line at: [www.pesticideresistance.org](http://www.pesticideresistance.org)

Williams, J. L., C. Eilers-Kirk, R. G. Orth, A. J. Gassmann, G. Head, B. E. Tabashnik and Y. Carrière. 2011. Fitness cost of resistance to Bt cotton linked with increased gossypol content in pink bollworm larvae. PLoS ONE 6 (6): e2183. doi: 10.1371/journal.pone.0021863.

Wyenandt, A. and N. L. Maxwell. 2011. Evaluating vegetable fungicide recommendations in the United States: Should more be done to limit the risks of fungicide resistance development? Online. Journal of Extension. June 2011. <http://www.joe.org/joe/2011june/a8.php>.

Zhang, H., W. Yin, J. Zhao, Y. Yang, S. Wu, B. E. Tabashnik and Y. Wu. 2011. Early warning of cotton bollworm resistance associated with intensive planting of Bt cotton in China. PLoS ONE 6(8): e22874. doi: 10.1371/journal.pone.0022874.