



Nontarget effects of Bt crops

Welcome to the **Nontarget effects of Bt crops** database, hosted by NCEAS.

The database includes details of the methods and results for a large number of studies that have assessed the effects upon nontarget invertebrates of crops transformed with genes derived from *Bacillus thuringiensis* to express one or more Cry proteins. The creation of this database was supported by EPA grant CR-83214701 ("Evidence-based risk analysis: learning from our experiences with genetically-modified crops") awarded to Michelle Marvier and Peter Kareiva.

[Welcome](#)
[Overview](#)
[Query database](#)
[View metadata](#)
[Data archive](#)
[NCEAS home](#)

[Admin login](#)

Where to go from here...

- Read a quick [overview](#) of the database.
- Access the complete [metadata](#) (opens in a new window). This document contains detailed descriptions of each column of the downloaded data file. It also includes further explanations about the methods we used to create this database.
- [Query the database](#) using pull-down menus for study type, crop species, trait, response variable, and the functional group and taxonomic group of nontarget organisms. The query engine returns a list of studies that fit all of the user-specified criteria. Users can then download a comma-separated text file containing either the full literature citations or all of the data associated with the returned studies.
- Download the [archived data](#) used in these publications:

Marvier, M., C. McCreedy, J. Regetz, and P. Kareiva. (2007) A meta-analysis of effects of Bt cotton and maize on non-target invertebrates. *Science* 316:1475-1477.

Duan, J. J., M. Marvier, J. Huesing, G. Dively, and Z. Y. Huang. (2008) A meta-analysis of effects of Bt crops on honey bees (Hymenoptera: Apidae). *PLoS One* 3(1): e1415.
- See other associated publications:

Wolfenbarger, L. L., S. E. Naranjo, J. G. Lundgren, R. J. Bitzer, and L. S. Watrud. (2008) Bt crop effects on functional guilds of non-target arthropods: A meta-analysis. *PLoS ONE* 3(5): e218.