

Insects develop resistance to GM corn, humans have not!

by Rady Ananda via sadh - Global Research *Sunday, Aug 28 2011, 10:08pm*
international / environment / other press

Short lived, therefore fast adapting/mutating insects develop survival mechanisms very swiftly indeed; in contrast to 'higher' (if morals are a measure) mammalian life forms like humans. Insects have it all over us as survivors and given the present destructive, suicidal course humanity is taking, they would surely inherit the earth.



That said, let's look at one nefarious Corporatist that is hurrying humanity to extinction -- MONSANTO!

While Monsanto continues with its insane plan -- suicide seeds -- to control the world's food supply with GM Franken Foods, humble insects have developed resistance to modified corn; so now humans and other warm-blooded animals are stuck with ALL the biological dangers associated with Monsanto's FRANKEN FOODS -- well done, Monsanto! Of course, humans working for this lunatic Corporation run a higher risk of extinction than humans in the broader community -- reasons are obvious !

Full report follows:

Nature herself may be the best opponent of genetically modified crops and pesticides. Not only [plants](#), but insects are also developing resistance. The Western rootworm beetle – one of the most serious threats to corn – has developed resistance to Monsanto's Bt-corn, and entire crops are being lost. [[Image](#)]

Farmers from several Midwest states began reporting root damage to corn that was specifically engineered with a toxin to kill the rootworm. Iowa State University entomologist Aaron Gassmann recently [confirmed](#) that the beetle, *Diabrotica virgifera virgifera*, has developed resistance to the Bt protein, Cry3Bb1.

Bacillus thuringiensis – Bt – is a bacterium that kills insects. Different proteins are engineered into cotton as well as corn plants.

Two-thirds of all US corn is genetically modified per the [USDA](#), and the bulk of that is Bt-corn. Monsanto has the biggest market share in the US, reporting about 35% in [2009](#).

In response to the July 2011 study, Monsanto said only the "YieldGard® VT Triple and Genuity® VT

Triple PROTM corn products” are affected.

“It appears he has demonstrated a difference in survival in the lab, but it is too early to tell whether there are implications for growers in the field.”

However, [Kansas State researchers](#) summarized the study, indicating that the specimens tested came from fields suffering severe rootworm damage and compared them to those from unaffected fields. In other words, it was a field study.

Resistance developed where the same Bt corn had been grown at least three years in a row. Gassmann found “a significant positive correlation between the number of years Cry3Bb1 maize had been grown in a field and the survival of rootworm populations on Cry3Bb1 maize in bioassays.”

Ag Professional's Colleen Scherer [explains](#) that “the Cry3Bb1 toxin is the major one deployed against rootworms. There is no ‘putting the genie back in the bottle,’ and resistance in these areas is a problem that won’t go away.”

Monsanto urges farmers to try their “stacked” GM products where more than one trait is engineered and to employ integrated pest management (IPM) techniques.

Kind of like getting on a treadmill of ever increasing DNA manipulation and chemicals to maintain monocultures, instead of reverting to time-honored mixed farms that use companion plants (including weeds) for pest control. IPM does not have to include toxic chemicals or genetic manipulation for success. (See, e.g., Sepp Holzer’s [Permaculture](#)).

This year, Monsanto [launched](#) a “triple-stack” sweet corn which it envisions being sold at Farmers Markets. The FDA’s [GMO label ban](#) will certainly help, since most people who buy local are specifically trying to avoid genetically engineered foods.

In line with Monsanto’s goal to enter farmers markets, the Union of Concerned Scientists just came out with a [report](#) urging federal financial support in order to create jobs. The report notes that the number of farmers markets has doubled in the past ten years.

But, as we watch the feds target natural producers with raids and product seizure, while leaving Cargill’s 36 million pounds of tainted turkey alone until someone died, we can expect that any federal money put toward farmers markets will be used to support only that produce which is genetically modified, chemically doused and/or irradiated.

[Click here](#) to follow Iowa State’s work on the rootworm, and see the following pieces for more reasons to avoid herbicides and biotech foods:

Roundup and birth defects: Is the public being kept in the dark?

Earth Open Source, June 2011

[Herbicide-tolerance and GM crops](#) Greenpeace, June 2011

[Per USDA, Herbicide Use Increases with GE Crops](#), Beyond Pesticides, June 2011

[More problems with glyphosate: Rice growers sound alarm](#), Food Freedom, May 2011

[Scientists warn of link between dangerous new pathogen and Monsanto’s Roundup](#), Food Freedom, Feb 2011

[Monsanto's superweeds come home to roost: 11 million US acres infested](#), Generation Green, Oct. 2010

[GM Soy: Sustainable? Responsible?](#) Superweeds and birth defects: A review of scientific evidence on genetically modified soy and the herbicide glyphosate, Sept. 2010

[Three Approved GMOs Linked to Organ Damage](#), Food Freedom, Jan. 2010

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