

GENETICALLY MODIFIED ORGANISMS

Environmental Toxins CU Boulder Jun 2013

WHAT ARE GMOS?

- GMOs explained
- × 90% of seeds are owned by Monsanto
- Believed to be a solution to world hunger





STUDIES-POTENTIAL ADVERSE AFFECTS

- Allergenicity, antibiotic resistance, production of natural pesticides, heavy-metal sequestration (Bakshi 2003)
- Infertility, hair growth in mouths in hamsters (Surov, naturalsociety.com)
- Inconclusive or no findings

STUDIES AFFECTS OF GLYPHOSATE

- Nile tilapia exposed to sub-lethal doses (Jiraungkoorskul et al. 2002)
- Damaged gills, swollen livers and kidneys



WHAT'S NEW FOR GMOS

- Pesticide emitting produce doomed to fail
- Recent infertility in livestock is attributed to GMO diets
- Stomach problems in pigs
- Labeling laws coming into effect

SOURCES

- Bakshi, Anita. "Potential adverse health effects of genetically modified crops." Journal of Toxicology and Environmental Health Part B: Critical Reviews 6.3 (2003): 211-226.
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- Society. N.p., n.d. Web. 02 July 2013
- Rappoport, Jon. "Biotech's Next Big Disaster: Seeds That Emit Multiple Pesticides." Infowars Biotechs Next Big Disaster Seeds That Emit Multiple Pesticides Comments. Infowars, n.d. Web. 02 July 2013.
- Visser, Nick. "GMO Feed Left Pigs With Higher Stomach Inflammation, Study Reports." The Huffington Post. The Huffington Post.com, 11 June 2013. Web. 02 July 2013.