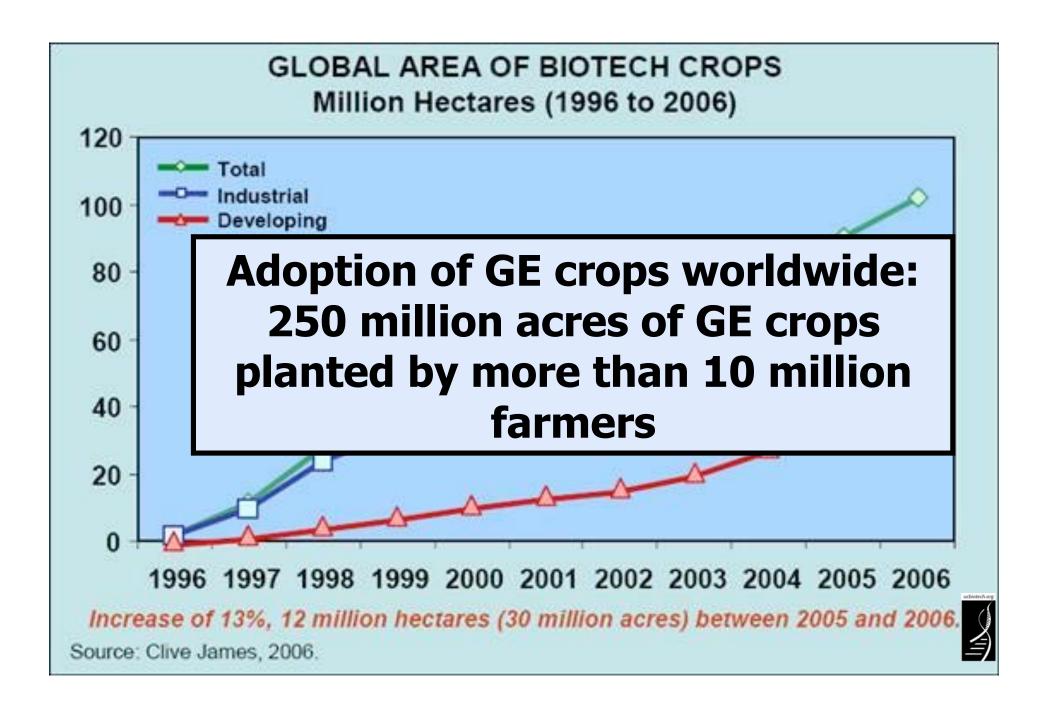
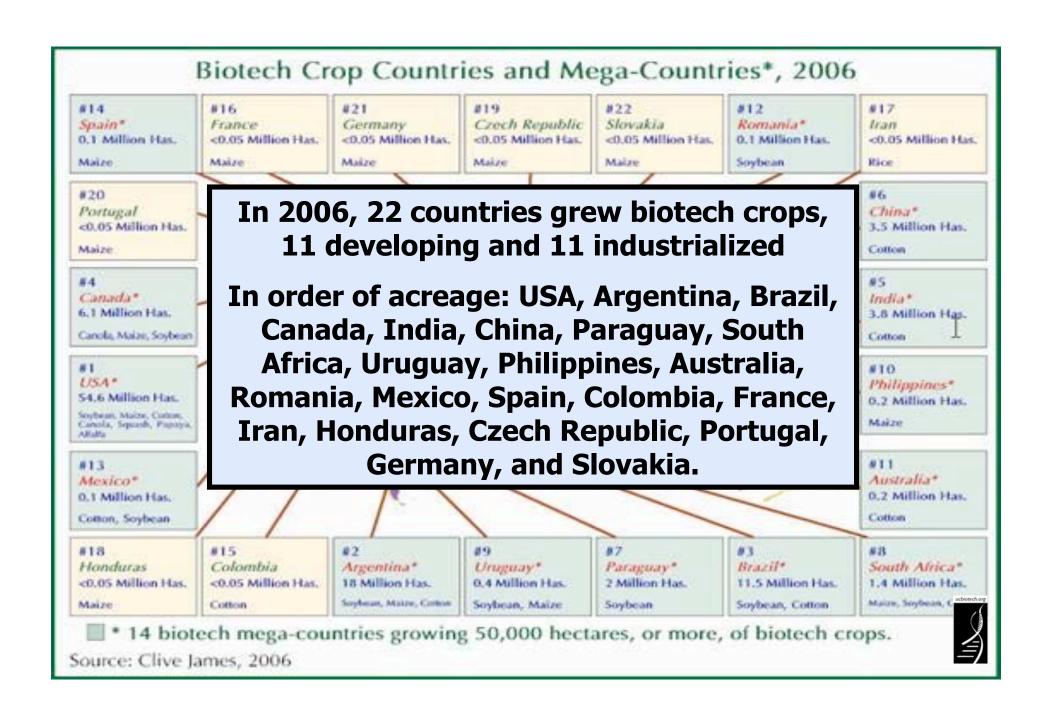


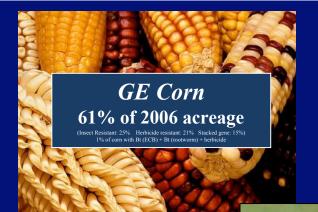
Engineered with a modified plant gene that inactivates the herbicide and protects the plant from herbicide damage











GE Canola 80% of 2007 acreage http://www.soyatech.com/canola_facts.htm

U.S. Adoption of GE Crops

GE Alfalfa 5% of 2006 acreage

Herbicide resistant: 5%









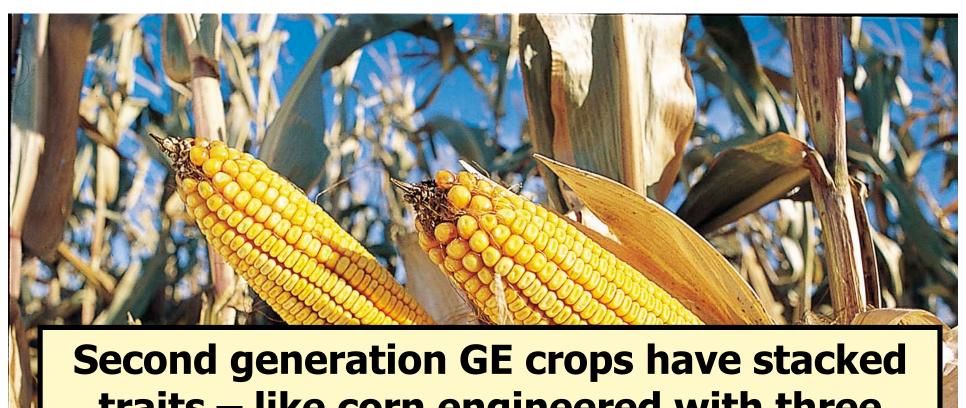
Only a few whole foods on the market are genetically engineered











traits – like corn engineered with three traits...

And it is still B.t. and herbicide tolerance



Are these good or bad reasons to genetically modify plants or animals?

	VERY <u>GOOD</u>	VERY <u>BAD</u>
To reduce the need to use pesticides on crops	43%	12%
To reduce the cost of fish, like salmon	21%	27%
To produce more affordable pharmaceutical drugs using plants	54%	8%
To produce more affordable pharmaceutical drugs using animals	23%	29%
To create peanuts that won't cause allergic reactions	42%	15%
To produce less expensive food to reduce hunger in world	52%	12%
To produce more affordable industrial compounds in plants	2%	17%
To create new types of grass that don't need to be mowed as often	39%	22%
To create fruits and vegetables that last longer on the store shelves	27%	30%
To produce beef with less fat	27%	32%
To expand our understanding of science and nature	46%	10%

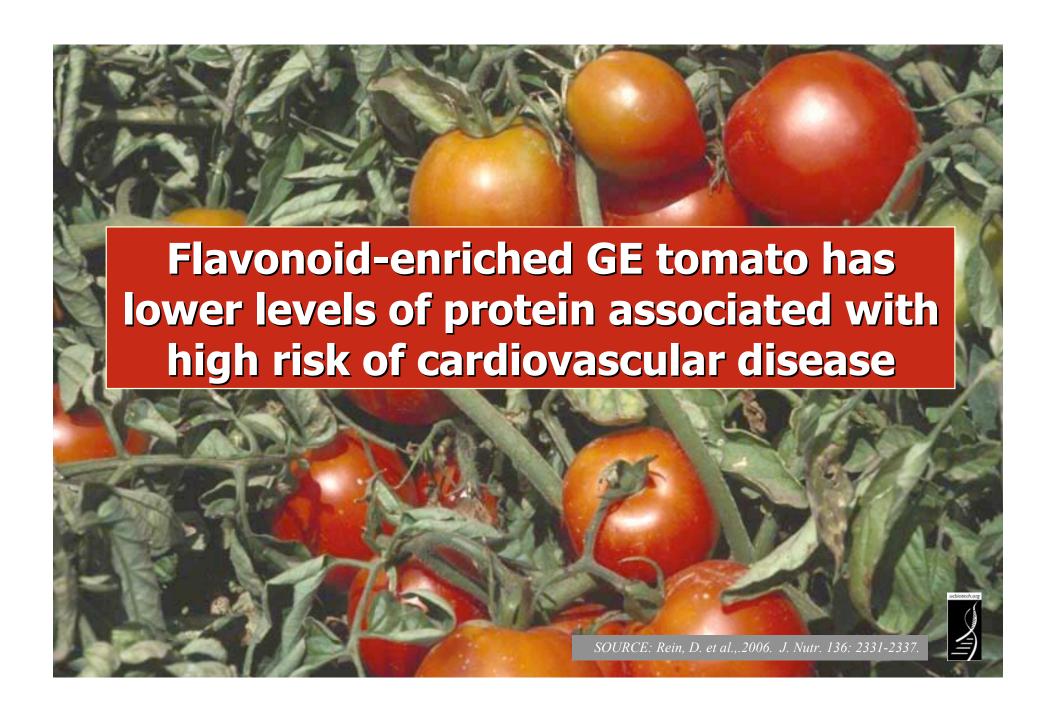




Traits to Improve Food and Feed









Beta-carotene-enriched Golden Rice combats vitamin A deficiency: uses corn and bacterial genes





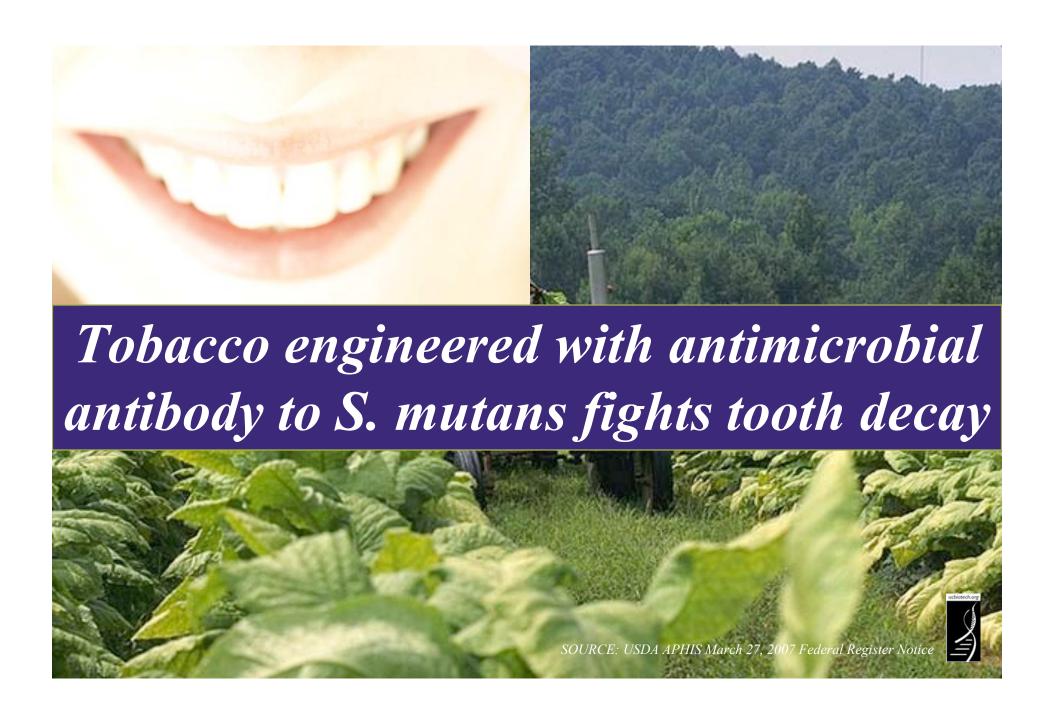




Traits with Medical Applications...







Rice seed-based edible peptide vaccine for allergic diseases like asthma, seasonal allergies and atopic dermatitis

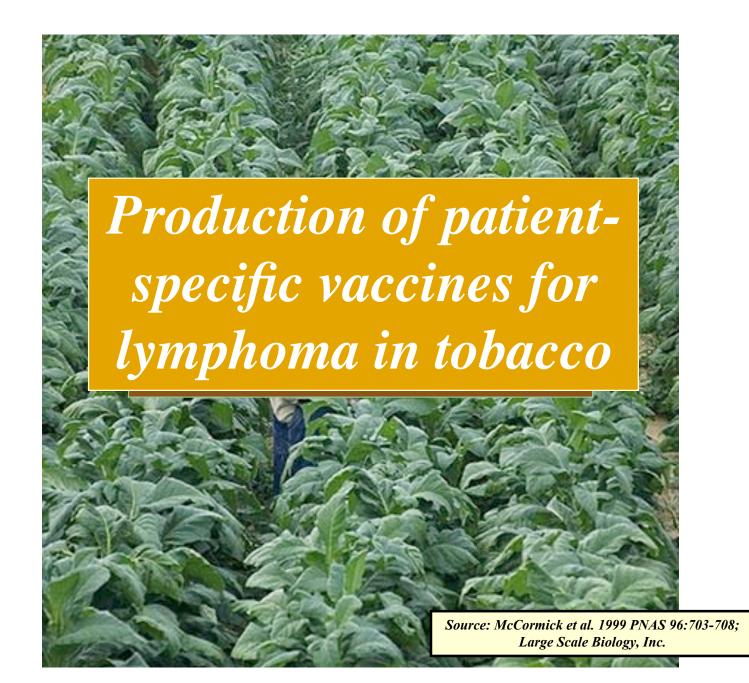




Edible HIV vaccine in corn using surface protein from monkey form of HIV



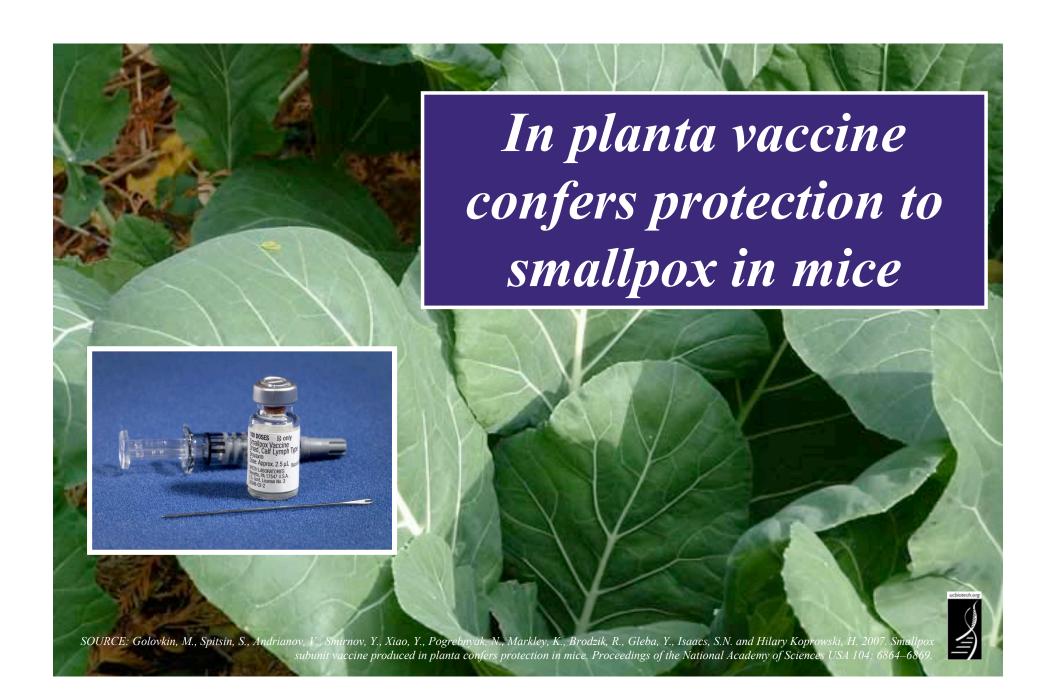














Subunit vaccine
against pneumonic
and bubonic plague,
produced in tomato
orally immunogenic in
mice





Traits to Improve Resistance to Pests



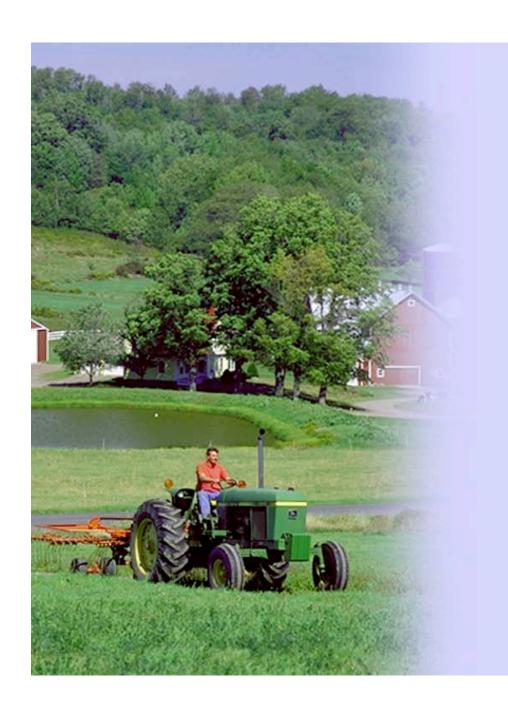


Tomato Mi gene protects against root knot nematode



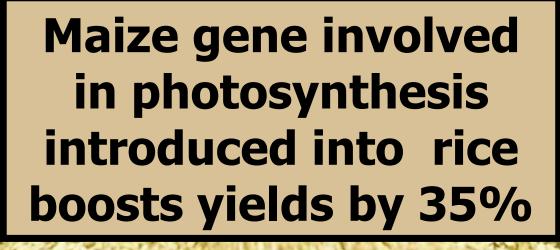


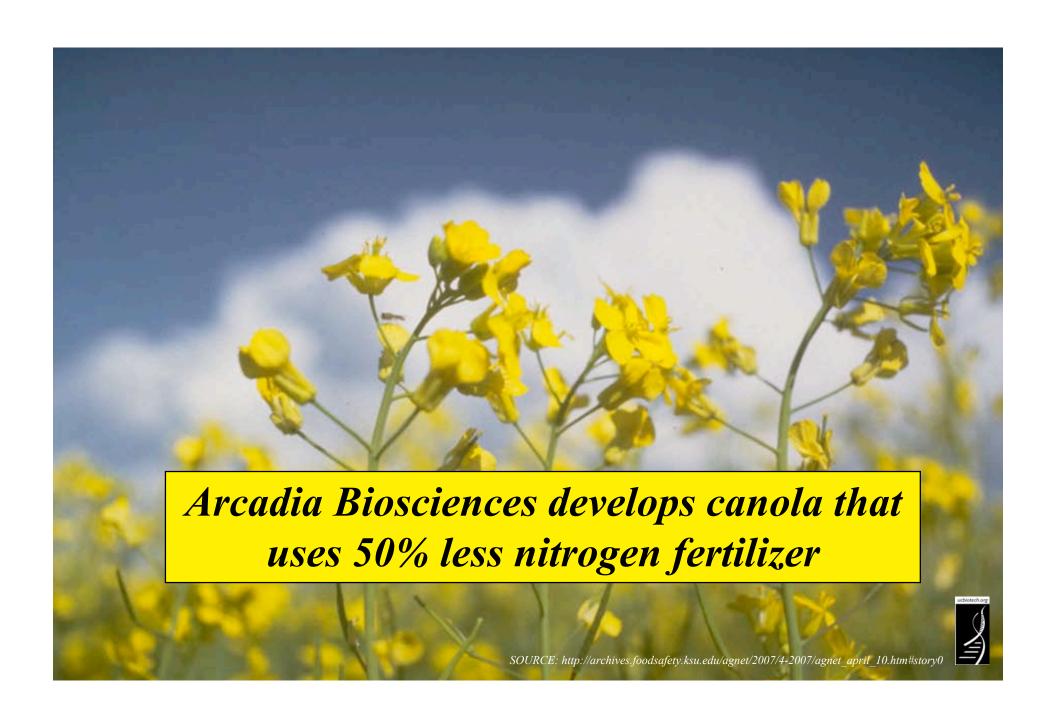




Traits to Improve Agronomic Performance





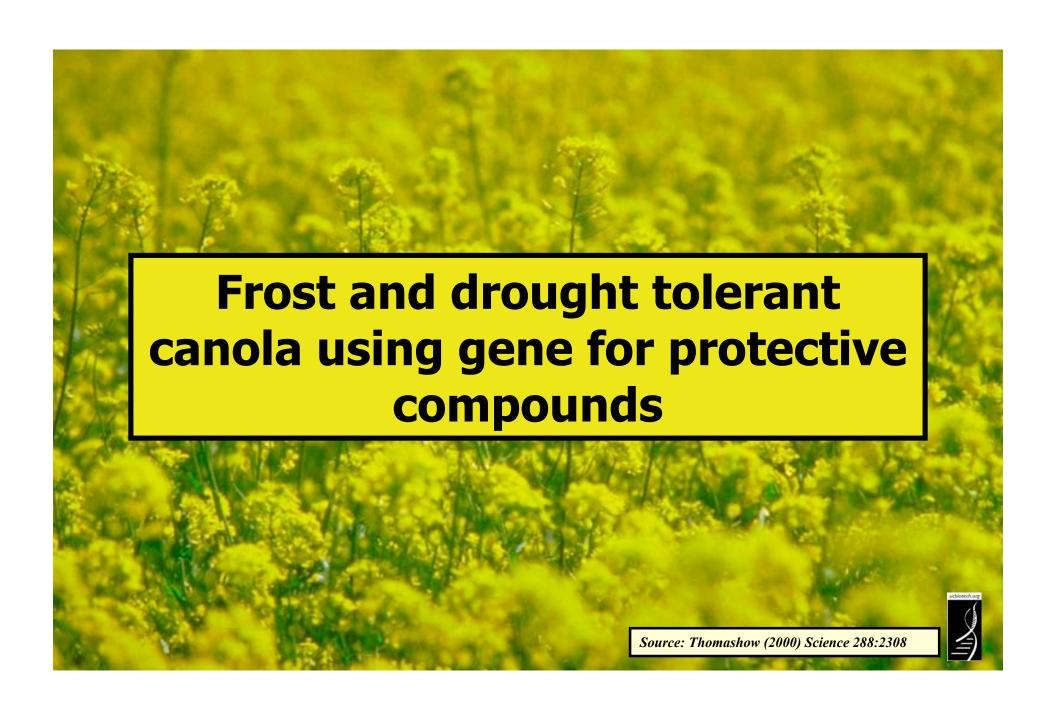




Traits to Improve Tolerance to Environmental Stresses...



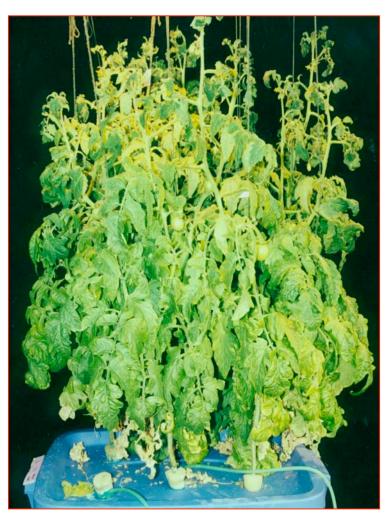




Salt-tolerant tomatoes



CONTROL



GENETICALLY ENGINEERED

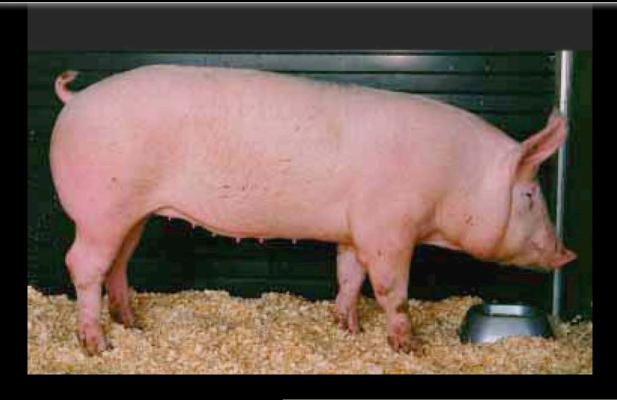


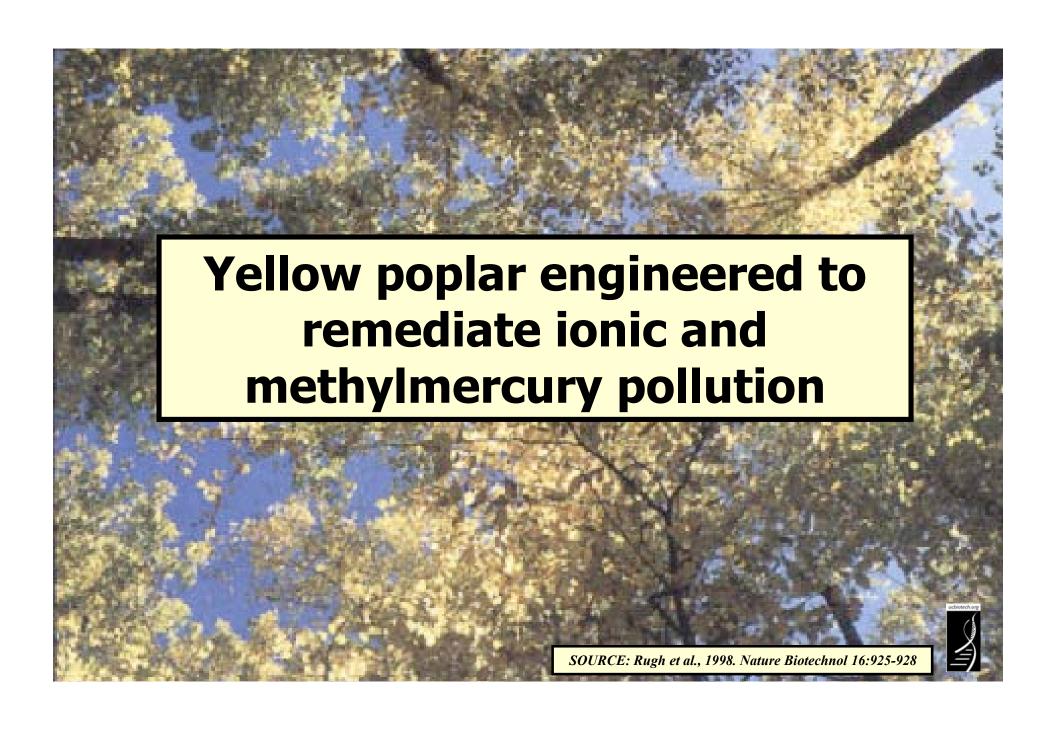


Traits to Improve the Environment...



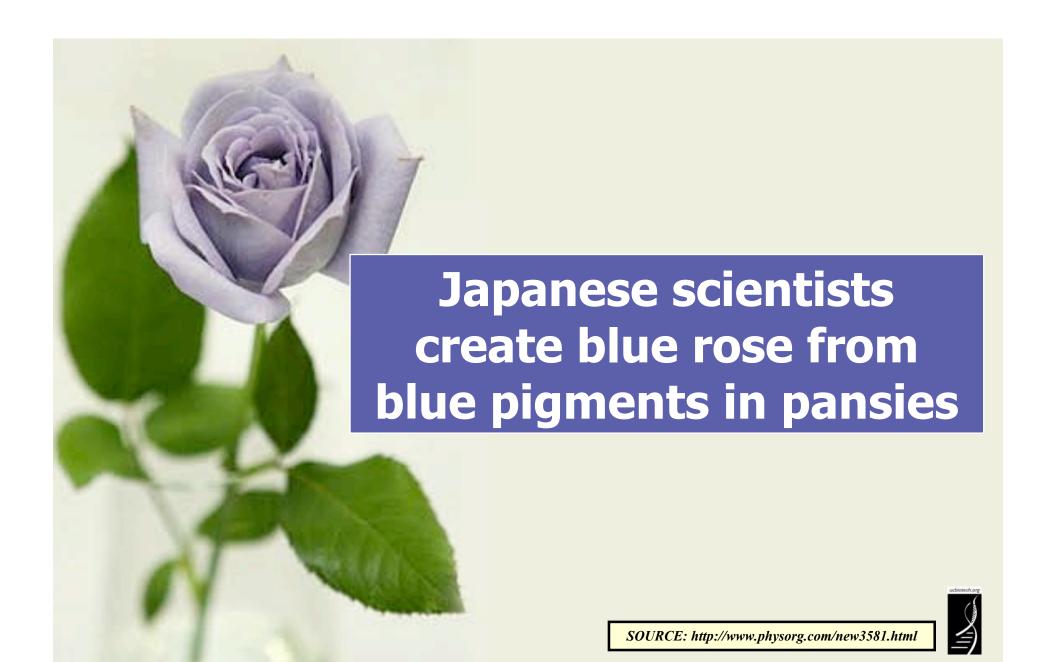
Enviropig™ causes less phosphorus pollution to reduce environmental impact to lakes and estuaries







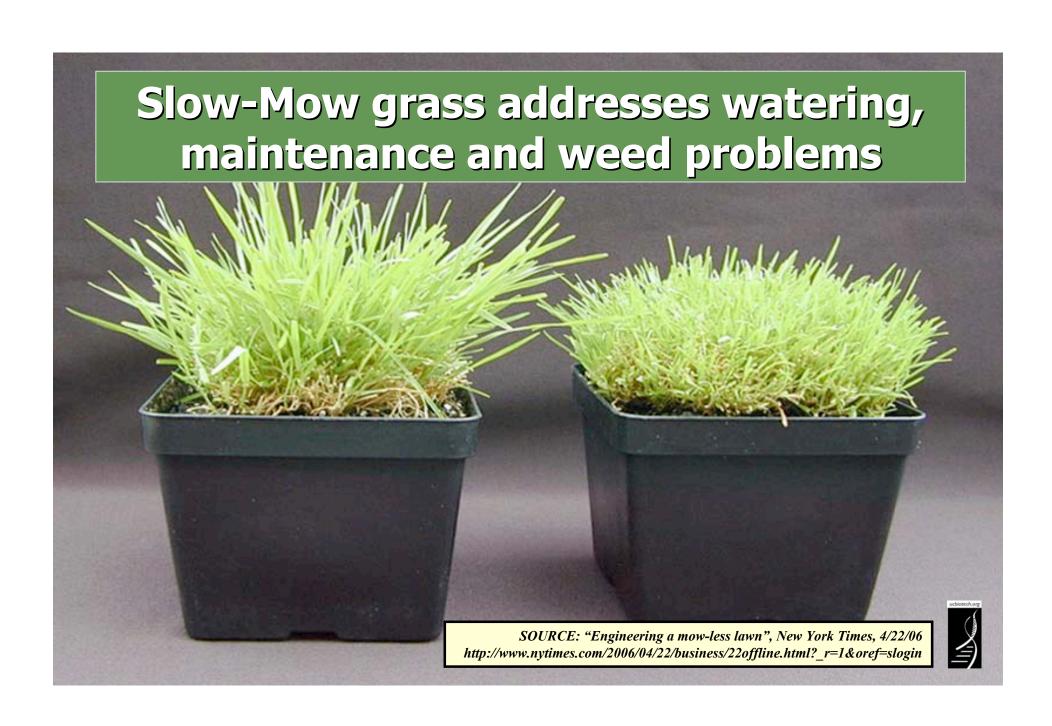


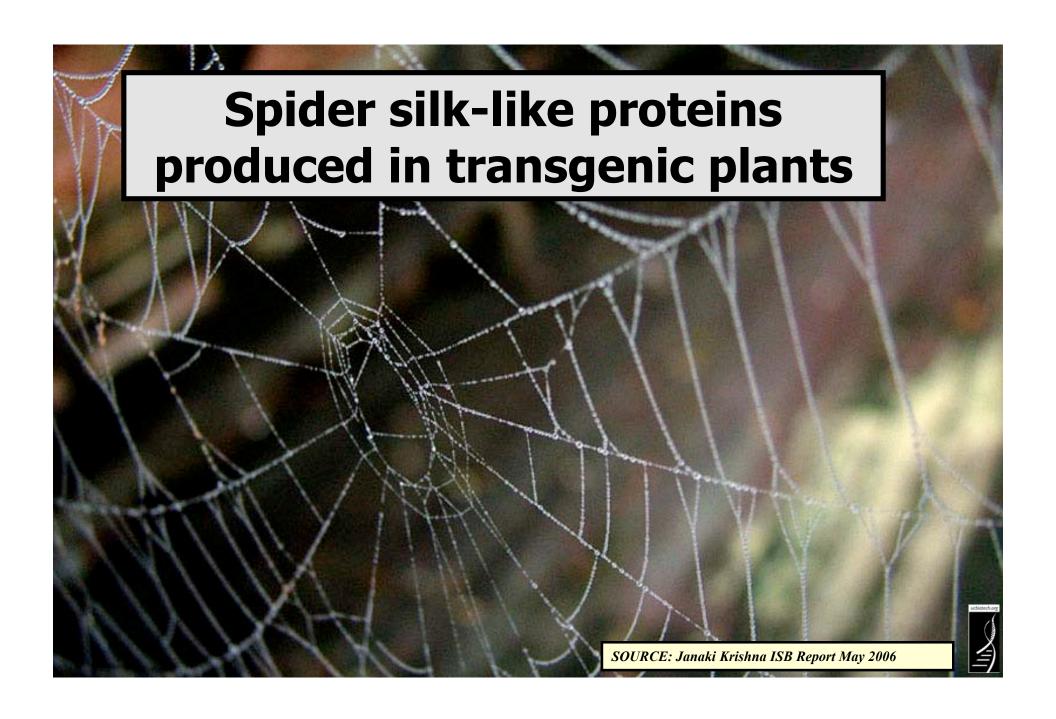


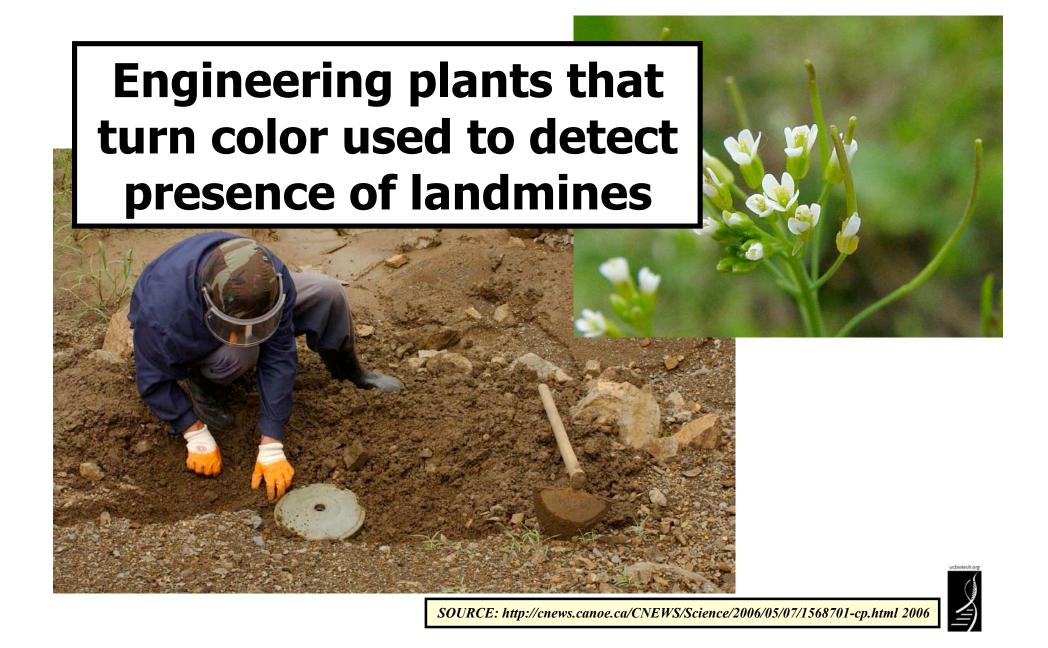
Delayed senescence Moonshadow™ carnation











HOW MUCH DNA DOYOU EAT?



DNA – What is it?

Only slightly over half of Americans (60%) know that DNA is the genetic code for living cells. One out of ten Americans (11%) had no idea at all what DNA is.

Based on everything you know, what is DNA? Would it be:

Unaided



A virus

An organization

Other

Don't know



^{0%} 0% 29%

^{*} Correct response

- 43% falsely asserted that ordinary tomatoes don't contain genes, only those that are genetically modified have genes
- 40% of respondents falsely thought that tomatoes genetically modified with genes from catfish would taste "fishy";
- 52% wrongly thought that genetically modified foods are created using radiation to create genetic mutations;
- 31% mistakenly believed that eating genetically modified fruit could modify a person's genes;

