



Genetically Engineered Citrus Trees...

WHAT YOU NEED TO KNOW!





A virus called citrus greening is decimating mono-culture orange groves across the country.

Originating in Asia, the virus spread here to the U.S. with the import of citrus from China.

Biotech's "Solution" ?

-  Kill the virus* with another virus**
-  New virus transmitted to other trees by aphids

What Could Go Wrong?

-  Trees infected with the new virus will be classified as a plant pesticide
-  New virus can't be contained - may cause unpredictable consequences / harm to other plants and trees
-  Unacceptable impacts on non-target organisms, including a variety of insect pollinators
-  Organic growers whose trees are unintentionally infected will suffer

Learn More:
saveourroots.org

Organic citrus groves thrive by planting several varieties of trees along with hedgerows and ground cover that attracts beneficial insects that help combat pathogens and pests.

A defined, discrete or simple pathway from gene to trait probably does not exist. Gene function is highly complex and depends on many conditional factors: presence of other genes and their variants; environment; age of the organism but mostly on chance.

References:

Genetically engineered oranges: Not all they're juiced up to be:

<http://www.centerforfoodsafety.org/blog/2927/genetically-engineered-oranges-not-all-theyre-juiced-up-to-be>

CFS-Response to Experimental Use Permit: <http://saveourroots.org/docs/Experimental-Use-Permit-Citrus-tristeza-virus.pdf>

Tips on Growing Organic Citrus: <http://www.citrus.com/tips-on-growing-organic-citrus-fruit/>

* Huanglongbing HLB / Candidatus Liberibacter asiaticus

** Genetically engineered Citrus tristeza virus, GE CTV and Spinacia oleracea defensin proteins, SoD (GE CTV SoD)

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