Plantastic Discoveries

How can

Grafting

improve our food system?



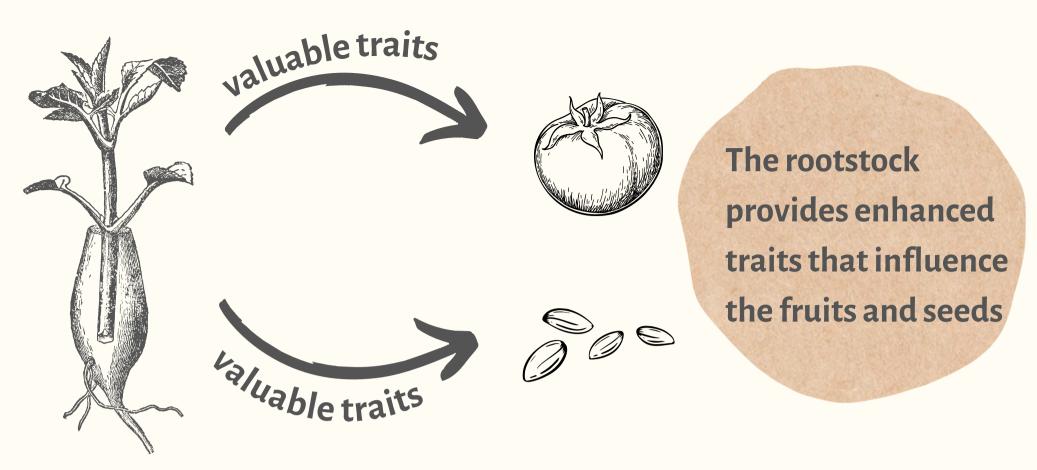
Grafting is a plant technique that goes beyond trees!

Researchers are able to create a plant power duo by combining

a conventional plant

with a transgenic rootstock





No transgenic DNA is present in the fruits and seeds.

A real game-changing technique for innovative plant breeding!

Reference:

Hartung, F. and Schiemann, J. (2014), Precise plant breeding using new genome editing techniques: opportunities, safety and regulation in the EU. Plant J, 78: 742-752. Precise plant breeding using new genome editing techniques: opportunities, safety and regulation in the EU Frank Hartung, Joachim Schiemann



Ask your questions to **Plantastic Discoveries**

Y Got questions about plant science & breeding? We've got answers!

Join Plant ETP's educational campaign to feed your curiosity! 🎽

Ask your questions here:



<u>t.ly/glLGr</u>



Lohmueller KE. Deleterious Variation in Natural Populations and Implications for Conservation Ger annurev-animal-080522-093311. Epub 2022 Nov 4. PMID: 36332644; PMCID: PMC993313 Si Y, Zheng S, Niu J, Tian S, Gu M, Lu Q, He Y, Zhang J, Shi X, Li Y, Ling HQ. Ne2, a typical CC-NBS-LRR-type gene, is responsible for hyl New Phytol. 2021 Oct;232(1):279-289. doi: 10.1111/nph.17575. Epub 2021 Jul 21. PMID: 34160845

🖊 Majid R. Foolad , Heather L. Merk & Hamid Ashrafi (2008) Genetics, Genomics and Breeding of Late Blight and Early Blight Res 27:2, 75-107, DOI: 10.1080/0