ENHANCING MELON PRODUCTION AND ADAPTATION IN HIGH DESERT ENVIRONMENT THROUGH GRAFTING ON SQUASH HYBRIDS ROOTSTOCKS

What is Grafting?



Advantages:

- Tolerance against abiotic stresses (e.g., salinity, drought, cold soil)
- Tolerance/Resistance against biotic stresses (e.g., nematodes, bacteria, fungus)
- Increase vield
- Anticipate yield
- Produce hybrids production plants (e.g., pomato)

Production over time

30 Spund20

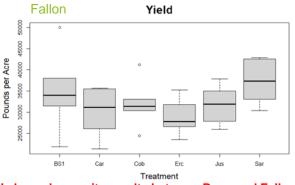
All the grafted plants produced more melons in the third, fourth and sixth harvest compared to the ungrafted Sarah's choice



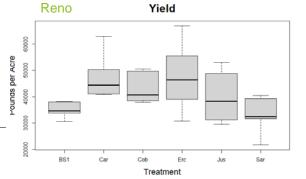








Yield showed opposite results between Reno and Fallon





No differences in quality regarding Brix Grade between grafted and ungrafted plants



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