Research Methods in Horticulture Hort-401 3 (2-1)



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Sampling and Data Collection

- Normally random samples are taken
- Remain unbiased while taking samples
- Representative samples are taken
- Type of samples depends upon the nature of experiment being conducted

Improving vanadium stress tolerance of watermelon by grafting onto bottle gourd and pumpkin rootstock

- Plant growth, SPAD index and photosynthesis assimilation
- Root morphology and scanning electron microscopy (SEM) of root tips
- Ion analysis
- Hydrogen per oxide (H_2O_2), malondialdehyde (MDA), superoxide dismutase (SOD), and catalase (CAT) measurement
- RNA extraction and gene expression analysis of chlorophyll biosynthesis, chlorophyll degradation, and antioxidant enzymes-related genes

The End