Plate 1. Different containers used in the experiment
Plate 2. General view of the experimental site

Plate 3. Experimental board

"EFFECT OF GA3 AND DIFFERENT CONTAINERS ON SEED GERMINATION AND SEEDLING GROWTH OF PAPAYA CV. MADHUBINDU"

A. Objectives
1. To study the effect of GA3 concentrations on seed germination and seedling growth of papaya cv. Madhubindu.
2. To study the effect of different containers on seed germination and seedling growth of papaya cv. Madhubindu.
3. To study the interaction effect of GA3 and different containers on seed germination and seedling growth of papaya cv. Madhubindu.

B. Experiment details
a.) Location : Fruit Research Station, Lalbaug, J.A.U., Junagadh
b.) Year of experiment : 2017

C. Treatment details
a.) Number of factors : 2 (Two)
Factor A : GA3 Concentration (Three levels)
- G1 : GA3 100 ppm
- G2 : GA3 200 ppm
- G3 : GA3 300 ppm
Factor B : Containers (Four levels)
- C1 : Paper cup
- C2 : Plastic cup
- C3 : Poly bag
- C4 : Root trainer
b.) No. of treatments : 12 (Twelve)
c.) No. of units/treatments : 25 units, 3 seeds/unit
d.) Design : CRD (Factorial )
e.) No. of Repetitions : 3 (Three)

Name of Student : Solanki Meera B.
M.Sc. (Horti.) Fruit Science

Major Guide : Dr. D. R. Kanzaria
Associate Professor
Plate 4. Seed sowing
Plate 5. Root observations
Plate 6. Leaf area meter
Plate 7. Seed germination in different containers
Plate 8. Seedling growth in different containers at 15 DAS

Plate 9. Seedling growth in different containers at 30 DAS
Plate 10. Root length at 45 DAS
Plate 11. Seedling length at 45 DAS

Plate 12. Comparision of seedling growth in different treatment combinations
Plate 13. Number of nodes and leaves at 45 DAS
Plate 14. Comparison of leaf area in different treatment combinations