

National Agricultural Research Project, Ganeshkhind, Pune-7

AICRP on Floriculture

Name of Crop: Tuberose

Variety: Phule Rajani

1. Suitability of the variety for the Agro Climatic Zone-

Suitable for Maharashtra

2. Selection of field /land preparation practices-

Soil-Medium to deep and well drained

Land preparation -Deep ploughing and one to two harrowing with collection of straw, stubbles and drying weeds should be carried out.

3. Seed treatment-

Chemical seed treatment – Deeping of bulb in Captan 0.3% for 15-20 min. before planting

4. Sowing time- April

5. Seed rate - 1.0-1.5 lakh bulb / ha

Sowing method - Flat or Raised beds

Sowing distance - 30 cm x 30 cm

6. Fertilizer dose with timing-

Farm yard manure-40-50 tons /ha

200:150:200 N:P:K kg/ha, half dose of Nitrogen and full dose of phosphorus and potash should be applied at the time of planting and remaining half dose of Nitrogen should be applied at two equal split doses at 60 and 90 days after planting.

7. Weed Control-

A. Parthenium

Manual control -Weeding

Preventive measure -Deep ploughing and clean cultivation

B. Cyprus

Manual control -Weeding

Preventive measure -Deep ploughing and clean cultivation

C. Cynodon

Manual control -Weeding

Preventive measure -Deep ploughing and clean cultivation

8. Diseases and pest control-

Leaf blight - Alternate Spraying of Mancozeb 25 gm or Chlorothalonil 20 gm per 10 lit of water.

Stem rot- Deeping of bulb in Captan 30 gm for 15-20 minutes before planting and drenching at 15 days interval

9. Irrigation Schedule-

In *Kharif* season irrigation should be given as per need in winter 10-12 and Summer-7-8 days interval

10. Harvesting-

For loose flower developed mature buds and for cut flower first flower opening on stalk should be harvest at early in the morning or late evening.

11. Quality characteristics of the variety-

1. Phule Rajani- Flower buds are greenish white with appropriate length of spike

12. Expected yield of variety-

6-7 lakh flower stalks/ha or 7-7.5 tons loose flowers/ha

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Name of Crop: Aster

Variety: Phule Ganesh white, Phule Ganesh pink,
Phule Ganesh purple, Phule Ganesh Violet

1. Suitability of the variety for the Agro Climatic Zone-

Suitable for Maharashtra

2. Selection of field /land preparation practices-

Soil-Medium to deep and well drained

Land preparation -Deep ploughing and one to two harrowing with collection of straw, stubbles and drying weeds should be carried out.

3. Seed treatment-

Chemical seed treatment –Captan or Thirum 3 gm or Bavistin 1-2 gm per kg of seed

4. Sowing time-

Kharif and Rabi

5. Seed rate - 0.5-1.0 kg / ha

Sowing method - Ridges and furrow

Sowing distance - 30 cm x 30 cm

6. Fertilizer dose with timing-

Farm yard manure-10-15 tons /ha

150:75:75 N:P:K kg/ha, half dose of Nitrogen and full dose of phosphorus and potash should be applied at the time of sowing and remaining half dose of Nitrogen should be applied 30 days after transplanting.

7. Weed Control-

A. Parthenium

Manual control -Weeding

Preventive measure -Deep ploughing and clean cultivation

B. Cyprus

Manual control -Weeding

Preventive measure -Deep ploughing and clean cultivation

C. Cynadon

Manual control -Weeding

Preventive measure -Deep ploughing and clean cultivation

8. Diseases and pest control-

Wilt- seed treatment with Carbendazim 2.5-3.0 gm per kg of seed.

Anthracnose- Alternate Spraying of Mancozeb 25 gm or clorothalonil 20 gm per 10 lit of water.

Aphids-Spraying of diamethoate or Monocrotophos 2.5 ml per lit of water.

9. Irrigation Schedule-

In *Kharif* season irrigation should be given as per need and Summer-7-8 days interval

10. Harvesting-

Full developed flower should be harvest at early in the morning or late evening.

11. Quality characteristics of the variety-

1. Phule Ganesh white-Early flowering, semi-spreading, flower dark white

2. Phule Ganesh pink- Early flowering, semi-spreading, flower dark pink

3. Phule Ganesh purple- Early flowering, semi-spreading, flower light purple

4. Phule Ganesh Violet- Early flowering, semi-spreading, flower violet

12. Expected yield of variety-

2.5 lakh bundles or 5-6 lakh flower/ha

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Name of Crop: Gladiolus

Variety: Phule Ganesh, Phule Prerana,
Phule Tejas , Phule Neelrekha

1. Suitability of the variety for the Agro Climatic Zone-
Suitable for Maharashtra

2. Selection of field /land preparation practices-

Soil-Medium to deep and well drained

Land preparation -Deep ploughing and one to two harrowing with collection of straw, stubbles and drying weeds should be carried out.

3. Seed treatment-

Chemical seed treatment –Captan 3 gm / lit. of water , Corms dip for 30 minuts.

4. Sowing time- *Rabi*

5. Seed rate - 1.5-2.0 lakh corms / ha

Sowing method - Ridges and furrow

Sowing distance - 40 cm x 15 cm

6. Fertilizer dose with timing-

Farm yard manure-50-60 tons /ha

300:200:200 N:P:K kg/ha, Nitrogen in four equal dose i.e. at the time of planting and 2,4, and 6 leaf stage

7. Weed Control-

A. Parthenium

Manual control -Weeding

Preventive measure -Deep ploughing and clean cultivation

B. Cyprus

Manual control -Weeding

Preventive measure -Deep ploughing and clean cultivation

C. Cynadon

Manual control -Weeding

Preventive measure -Deep ploughing and clean cultivation

8. Diseases and pest control-

Wilt- Drenching twice at monthly interval with 3gm Captan per liter of water

Kand kuj – Deep the corms in Captan with 3gm per liter of water for 15-20 minutes

9. Irrigation Schedule-

In *Kharif* season irrigation should be given as per need in winter 10-12 and Summer-7-8 days interval

10. Harvesting-

Starts after two month after planting, 2-3 times in aweek

11. Quality characteristics of the variety-

1. Phule Ganesh –Pale yellow flowers

2. Phule Prerana- Attractive pink

3. Phule Tejas – Attractive mauve colour flowers

4. Phule Neelrekha – Dark purple colour flowers

12. Expected yield of variety-

2.0-2.5 lakh spikes/ha

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Name of Crop: Marigold

Variety: Pusa Narangi Gendha, Culcutta Orange , Culcutta Yellow

1. Suitability of the variety for the Agro Climatic Zone-

Suitable for Maharashtra

2. Selection of field /land preparation practices-

Soil-Medium to deep and well drained

Land preparation -Deep ploughing and one to two harrowing with collection of straw, stubbles and drying weeds should be carried out.

3. Seed treatment-

Chemical seed treatment –Bavistin 1gm per kg of seed

4. Sowing time-

Kharif and Rabi

5. Seed rate - 1-1.5 kg / ha or 250-350 gm/ha for F1 hybrid

Sowing method - Ridges and furrow

Sowing distance - 60 cm x 30 cm, 45cm x 30cm , 30cm x 30 cm

6. Fertilizer dose with timing-

Farm yard manure-25 tons /ha

100:75:75 N:P:K kg/ha

7. Weed Control-

A. Parthenium

Manual control -Weeding

Preventive measure -Deep ploughing and clean cultivation

B. Cyprus

Manual control -Weeding

Preventive measure -Deep ploughing and clean cultivation

C. Cynadon

Manual control -Weeding

Preventive measure -Deep ploughing and clean cultivation

8. Diseases and pest control-

Leaf and bud blight - clorothalonil 20 gm per 10 lit of water.

9. Irrigation Schedule-

In *Kharif* season irrigation should be given as per need and Summer-7-8 days interval

10. Harvesting-

Full developed flower should be harvest at early in the morning

12. Expected yield of variety-

10-12 tonns flower/ha

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Name of Crop: Rose

Variety: Gladiator, Sofia, Landora

1. Suitability of the variety for the Agro Climatic Zone-

Suitable for Maharashtra

2. Selection of field /land preparation practices-

Soil-Medium to deep and well drained

Land preparation -Deep ploughing and one to two harrowing with collection of straw, stubbles and drying weeds should be carried out.

3. Seed treatment-

Chemical seed treatment – Deeping of bulb in Captan 0.3% for 15-20 min. before planting

4. Sowing time- April

5. Seed rate - 18-20 thousand grafts / ha

Sowing method - Raised beds

Sowing distance - Double row system 120 in row 50 cm x 40 cm between row

6. Fertilizer dose with timing-

Farm yard manure-50 tons /ha

600:400:400 N:P:K kg/ha

7. Weed Control-

A. Parthenium

Manual control -Weeding

Preventive measure -Deep ploughing and clean cultivation

B. Cyprus

Manual control -Weeding

Preventive measure -Deep ploughing and clean cultivation

C. Cynodon

Manual control -Weeding

Preventive measure -Deep ploughing and clean cultivation

8. Diseases and pest control-

Black leaf spot - Spraying of Propiconazol 10 ml per 10 lit of water.

Powdery mildew- Difenoconazol 5 ml/ 10 liter at 15 days interval

9. Irrigation Schedule-

In *Kharif* season irrigation should be given as per need in winter 8-10 days and Summer-5-6 days interval

10. Harvesting-

Early in the morning or late evening.

12. Expected yield of variety-

2.5-3 lakh flowers/ha