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*Shaping Lives...
Empowering Communities...*

Center for Smart Agriculture

High value Cut flowers



Module 1: Gerbera Cultivation

Session 3: Soil Preparation



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Selection of Soil



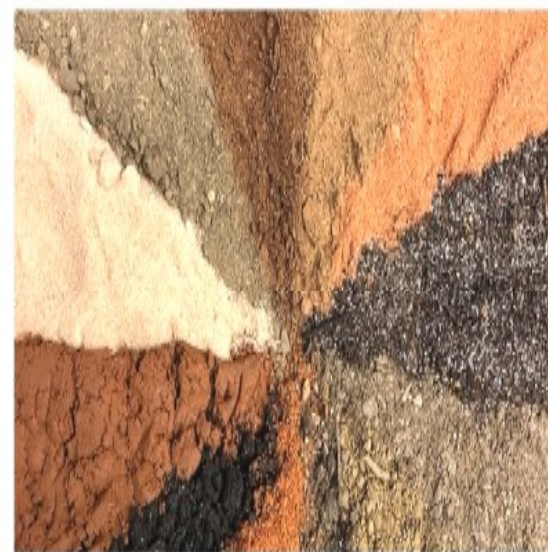
PH level in Soil

pH should be in between 5.5 to 6.5



Electrical Conductivity

Salinity level of soil should
not be more than 1 mS/cm



Texture of Soil

Soil should be highly porous and well
drained



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Ideal Soil pH

Soil PH Meter ph range 5.5 to 6.5



pH Scale

ph between 5.5 to 6.5



Acid

Alkaline

Electrical Conductivity



Salinity Level of Soil Should not be more than 1mS/cm



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Soil Preparation

- Soil should be well drained and friable
- Soil should be tilled repeatedly for 2-3 times followed by cross harrowing
- Fine tilth helps in proper bed preparation
- Change the soil after 2-3 years around 1 to 1.5 feet if required
- Neem cake and FYM application is recommended





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Disinfection of soil

- Chemically, hydrogen peroxide, formalin, methyl bromide and Dazomet are popularly used for soil disinfectants
- Among them hydrogen peroxide is cheap, eco-friendly and easily available
- In irrigation water; mix hydrogen peroxide with silver @ 3.5%
- This should be applied uniformly on the moist beds @ 1L/ m²



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Disinfection of Soil



Mixing Hydrogen peroxide
@ 35 ml/litre of water (3.5%
solution)



1 litre of solution is applied
to 1 metre square bed



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THANK YOU