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Domain

Smart Agriculture

Course

Management of high-value cut-flowers

Project topic

Management of gerbera in polyhouse



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Irrigation and micro-climate management

Quality of irrigation water always should be under check as follows:

- pH 6.5- 7.0
- Ec < 0.7 ms/cm.

Generally for irrigation in gerbera following things are considered.

After plantation, humidity at 80–85% is maintained for 4 - 5 weeks to avoid desiccation of plants.

Immediately after plantation, irrigation should be done by rose-can or sprinkler for three weeks to enable uniform root development. Thereafter irrigation can be given by drip irrigation.





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Generally one drip per plant is required.

The water requirement of Gerbera plant is approximately 500 to 700 ml per plant per day depending upon the season.

In hot summer, foggers can be used to maintain the humidity of the air.

The relative humidity of air should not exceed 90 per cent, as it will lead to deformity of flowers.

As a thumb rule, the soil of gerbera beds should be moderately moist, however never having excessive water.

Drip irrigation



Fogging



Healthy crop





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Fertilizer application

After three weeks of plantation N:P:K 19:19:19 @ 0.3 g/plant should be applied every alternate day for first three months during the vegetative phase to have better foliage.

Once flowering commences, N:P:K 16:8:24 or N:P:K 20:20:20 + 13:0:45 @ 0.3 g/plant every alternate day should be applied for more flowers and better flower quality

Micronutrients should be given weekly or as per the deficiency symptoms.

N-P-K 19:19:19



N-P-K 20:20:20



N-P-K 13:00:45



Micronutrient

