



Gypsophila growing Manual

Gypsophila belongs to family “Caryophyllaceae”. It is an extremely hardy perennial plant with a very deep tap root system. Gypsophila (*Gypsophila paniculata*) is native of Eastern Europe and now it’s grown all over the world. It is grown in open field as well as in poly house. Gypsophila flowers are used as cut flowers as well as fillers in floral arrangements. Flowers are produced in large inflorescences usually in profusely branched panicles.

Technical Information:

Crop Time: From planting to pruning- 26 weeks; from pruning to pruning 20 weeks

Climate:

Crop requires light intensity 55000 to 70000 lux at plant level, Gypsophila responds to long days. Flowering is induced under 13-14 hours light. Optimum Humidity- 70 to 75%

Plant density: 6 plants/sq mt(Net), 5 plants /sq mt(Gross)

Soil:

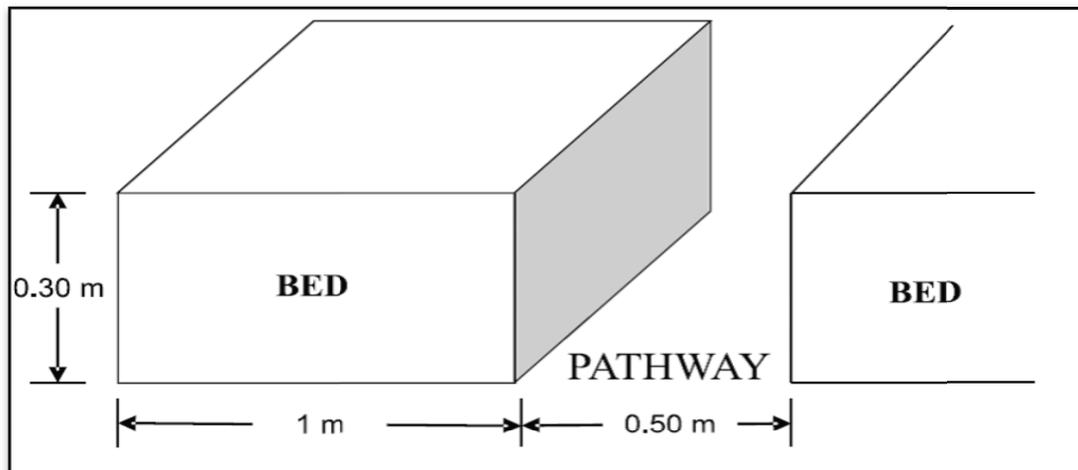
Well drained, porous with Ph 6.0 to 6.5 and Ec should be below 0.7ms/cm



Gypsophila can be grown on raised beds of having dimensions as;

Bed Layout:

Width-100cm, Height 30, Pathway 50cm.





Support System:

Support netting should be fixed within 3 weeks of planting. First net of size 20x20cm at 30 cm from base. Second net of same sizes should be installed at 45 cm if required. Side string at 60cm should be tied at both sides of bed to avoid crop lodging in beds.

Cultural practises:

Pinching:

Pinching is done when the plants are 15cm height. 4 days after pinching GA3 application is done with 250 ppm. Second GA3 application can be done selectively 8 days after first application to plants with delayed growth.

Shooting selection: 12-15 uniform shoots should be selected and apply GA3 at 250 ppm

Fertigation: Fertigation depends upon the soil fertility. A general fertigation formula could be;

N-P-K = 100:50:150 ppm; Ca- Mg= 120-50 ppm

Irrigation:

Use overhead irrigation for first week after planting; keep soil at field capacity level. Reduce 50% water at floral bud formation. Reduce 30% water one week before harvesting of flowers. Stop irrigation during pruning. Restart irrigation 30% after pruning and increase it gradually to 100% as leaves appear.



Harvesting:

When grown under polyhouse harvest when 70-8-% flowers are open, when grown in open harvest when 20-30% flowers are open followed by 5 to 7 days inside an opening chamber at a temp of 20-25 degree Celsius and high relative humidity 90%.



Pest and Diseases:

- Leaf miner and Thrips
- Powdery Mildew.

