

5. FERTILIZER SCHEDULE FOR FLOWER CROPS

Anthurium

NPK @ 30:10:10 @ 0.2% is given from 30 days of planting as foliar application at weekly intervals.

Aster

Apply 5 t FYM/ha along with NPK 70 : 175 : 75 kg/ha as basal.

Carnation

Basal

Neem cake 2.5 ton/ha, Phosphorus 400 g/100 sq.feet and Magnesium sulphate 0.5 kg/100 sq.feet are applied as basal.

Top dressing

Calcium Ammonium Nitrate and MOP at 5:3 ratio is mixed and applied @ 2.5 g/plant/month as top dressing.

Commercial chrysanthemum

FYM 25 t/ha along with 125:120:25 kg NPK/ha is required. Half of the N and the entire dose of P and K are to be applied as basal just before planting. The other half of N is to be applied on 30 days after planting the suckers. The same dose has to be repeated if a ratoon crop is allowed in December. Spray GA₃ at 50 ppm at 30, 45 and 60 days after planting to increase the flower yield.

Cut chrysanthemum

NPK @ 20:20:10 g/m² is applied through fertigation at weekly intervals

Crossandra

Apply FYM 25 t/ha as basal and NPK at 75, 50 and 125 kg/ha as top dressing on three months after planting. Repeat NPK application at the same dose at half yearly intervals for two more years. Instead, apply N at 60 kg/ha + *Azospirillum* 2 kg/ha and three months after planting spray ascorbic acid 1000 ppm for high yield (1 g/lit of water).

Delhi Crossandra

Basal

Apply FYM 25 t/ha, Gypsum 100 kg/ha and P & K at 50 and 100 kg/ha.

Top Dressing

On 30 days after planting, apply Neem cake 250 kg and N 40 kg/ha. Again on 90 days after planting apply N P K 40:20:60 Kg and repeat this dose at quarterly intervals for a time period of two years.

Gerbera

Basal

Neem cake 2.5 ton/ha

P - 400 g/100 sq.ft.

MgSo₄ - 0.5 kg/100 sq.ft.

Top dressing

Calcium Ammonium Nitrate and Muriate of Potash at the ratio of 5:3 is mixed and applied at 2.5 g/plant/month.

Gladiolus**Basal**

N 60 kg/ha, P 150 kg/ha, K150 kg/ha.

Top dressing

N alone is given @ 30 kg/ha during 4 leaf stage as foliar spray and 30 kg/ha during bud stage as soil application.

Golden rod

N P K at the rate of 140 : 175 : 150 kg/ha. + 5 t FYM/ha is applied as basal and half of the dose is applied after every harvest.

Jathimalli

FYM or compost 10 kg, NPK at 60, 120 and 120 g per plant is applied in 2 split doses in December after pruning and again in June - July.

Malligai

FYM 10 kg and NPK at 60:120:120 g per plant is applied twice once after pruning and again during June - July.

African marigold

During last ploughing, incorporate 25t/ha of FYM. Apply 45:90:75 kg NPK/ha as basal and 45 kg N/ha as top dressing 45 days after planting.

Marikolundu

Apply NPK at 125:125:75 kg/ha with 25 t FYM among which P and K is applied as basal and 125 kg N/ha as top dressing with 50 kg N as first dose on 25th day of transplanting followed by 25 kg N every time after 75, 110 and 150 days of transplanting (after every cuttings)

Maruvu**Basal**

FYM 25 t/ha along with NPK 55:110:60 kg/ha is applied.

Top dressing

After first cutting 55 kg N/ha is applied as top dressing.

Mullai

FYM 10 kg/ha is applied with 120:240:120 g NPK/plant in six split doses at bimonthly intervals. The first dose is given immediately after pruning.

Nerium

The plants are irrigated as and when required and manured with 10 t FYM/ha during January and again in August. No chemical fertilizers are normally applied.

Dendrobium orchid

NPK 20:10:10 @ 0.2% is given as foliar application at weekly intervals starting from 30 days after planting or NPK - 17:17:17 complex @ 0.2 % (weekly spray).

Commercial rose

After pruning in October and again in July the plants are manured with FYM 10 kg and 6:12:12 g of NPK per plant.

Cut rose

At three months interval, apply FYM at 10 kg and 8:8:16 g NPK/plant after each pruning. For cv. Happiness NPK may be applied @ 75:150:50 g/plant/year.

Tuberose

Manuring can be done with FYM 25 t/ha and NPK 200:200:200 kg/ha (IIHR Recommendation)