

Gypsophila Mirabella Polar Bear Series

Ball™

- *Bred with sustainability in mind*
- *Florist-friendly variety*
- *Suitable for cut flower greenhouse or field production*

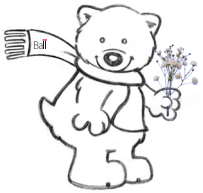
A great Gypsophila for producers, consumers and the planet. This new generation of Gypsophila was bred with sustainability in mind.

Gypsophila Mirabella does not require additional lighting to flower resulting in a reduction of energy usage.

Gypsophila Mirabella is more resistant to Leaf Miner resulting in the need for fewer pesticides.

Gypsophila Mirabella requires no Methyl Bromide.

Gypsophila Mirabella has an upright plant structure with long internodes to prevent flower tangling which results in less flower loss in packing. Let's make a difference!



Enviromentally friendly



- Reduced energy usage
- Does not need light to flower
- Pure white
- Medium size flower
- Strong stems
- Highly productive
- More Leaf Miner resistant
- Does not get pink with cool temperatures
- No need for Methyl Bromide

Cultural Information

Gypsophila Poniculata

Crop time: From planting to pruning 26 weeks and from pruning to pruning 20 weeks.

Planting Density: 40,000 Plants/hectare. (16,000 plants/acre).

Pre-planting:

-pH: 6.0 to 6.5.

-Netting:

Yes, Low net: 10 to 20 cm (1 foot from soil).

High net: 20 to 30 cm (2 feet from).

Soil adjusted for growing conditions

Planting

Gypsophila is Long day plant response. Flowering gets induced under 13 to 14 hours of light, but the photoperiod is related to temperature. The minimum temperature at day should be of 59°F and the minimum at night should be 50°F.

Pinch

Do the pinch when plants are 15 cm high (6 in).

Four days after pinch apply GA3 at 250 ppm.

A second GA3 application can be done selectively 8 days after the first application to plants with delayed growth.



Mirabella
Plant Structure

Prune

Low approx. 2 to 3 cm (1 to 2 in).

To prevent diseases it must be taller if no drip system is used. (at 5 cm).

It is advised to seal with fungicides to protect from diseases.

Shoots selection after pruning

5 weeks after prune shoot selection must be completed leaving 12 to 15 uniform shoots.

After selection apply GA3 at 250 ppm.

Irrigation

Use overhead irrigation for the first week after planting. Keep the soil at field capacity.

Reduce irrigation at 50% when the floral bud appears.

One week before harvesting reduce irrigation at 30% and one week before pruning discontinue irrigation, restarting one week after pruning at 30% and increases it gradually to 100% as leaves appear.

Harvest

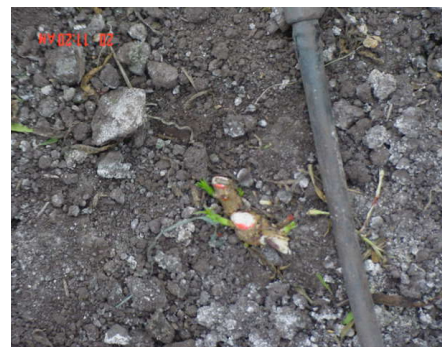
When grown under greenhouse, harvest when 70 to 80% of the flowers are open.

When grown outside, harvest when 20% of the flowers are open. After that it goes to the opening chamber for 5 to 7 days at temperature of 76°F to 81°F and High Relative Humidity.

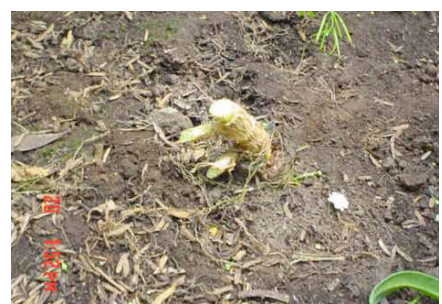
Post harvest

Minimum 2 hours with STS.

After STS treatment, use a sugar solution (5gr/liter) and put into opening chamber.



Pruning with drip irrigation



Pruning with no drip irrigation

Store at 33°F to 36°F and high relative humidity (90%) to avoid dehydration.

Pests & Diseases

-Leaf miner

-Thrips

-Powdery mildew™

Note: Mirabella does not need additional light to flower but some may be applied to concentrate the harvest season.

