Pelargonium (Geranium)

Timeless™

NUTRITION

pH: 5.8 – 6.2
EC: (2:1 extraction method) .8 – 1.1
Feed constantly at 200ppm – 250ppm nitrogen with a fertilizer selected for grower's water quality and soil mix.

TEMPERATURE

Rooting out: 68 – 72 F
Growing on: 68 – 72 F
Holding: 62 – 65 F

WATERING

Maintain moderate to slightly dry soil moisture. Allow the soil to cycle from moist to lightly dry levels. Avoid both severe dry downs and long periods of wet soil, especially in poor weather conditions. Also avoid excessive soil moisture levels with freshly transplanted plants.

TIMING

4" – 5": 5 – 6 weeks with one 75 cell plant per container.
6"/1GL Royale™: 7 – 8 weeks with one 75 cell plant per container.
8": 9 – 10 weeks with one 75 cell plant per container.
10" – 12" Hanging Basket: 10 – 12 weeks with three to five 75 cell plants per container.

PLANTING

75 liner cell plants should be planted into a well drained soil mix selected to match individual water quality and fertilizer blends. Plant the liners slightly below the soil level of the 75 cell plug. Water in thoroughly without saturating and maintain a constant moderate soil moisture level for the first seven to 10 days to establish roots. Pinching should not be needed except for taller material at planting.

LIGHT/LIGHTING

Timeless™ Geraniums should be grown in a moderate to high light area of the greenhouse for optimal flowering and plant development. Reduced light levels will delay flowering time and flower coverage, and affect overall plant quality.

GROWTH REGULATORS

Growing on the moderate to slightly dry side will produce a plant that requires fewer PGR treatments. If required, a tank mix spray application of B-Nine® (daminozide) at 1,250ppm and Cycocel® (chlormequat) at 750ppm is recommended. Higher rates can be used, up to 2,500ppm B-Nine and 1,000ppm Cycocel, based on plant growth and temperatures.

Geraniums are quite responsive to Florel® (ethephon) at 350ppm. It controls size early in the crop cycle and also encourages additional branching. The 75 cell liners have been treated during their growing cycle and only larger containers with longer crop times should be considered for additional Florel treatments. Treatments for larger containers can be considered two to three weeks after transplanting, when the plants are well rooted and actively growing. No Florel treatment should be made later than six to eight weeks before planned sale.

PEST and DISEASE MANAGEMENT

There should be little instance of disease if basic cultural guidelines are followed. Over-watering can lead to Botrytis, Stem Rot or Fungus Gnat issues. Control humidity levels, supply moderate to high light, provide adequate spacing, grow at moderate soil moisture levels, keep water off foliage in poor weather conditions, and provide adequate air movement. Aphids, Thrips, and Whiteflies can be pests of concern and crops should be scouted on a regular basis.

OUTDOOR GROWING SCHEDULE

Timeless *Pelargonium* finish best in a controlled greenhouse environment, but can be moved outdoors after all threat of frost has passed (late May to early June in Michigan).

OTHER TIPS

- Maintain proper soil pH levels of 5.8 – 6.2. Higher soil pH levels can lead to iron deficiency symptoms.
- Provide moderate to high light levels, grow on the slightly dry side and do not grow too cool.
- **Timeless Geraniums are quite resistant to Oedema, but in cool and damp weather, control humidity levels, maintain proper growing temperatures, provide good air movement and avoid wet soil.**

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The rates and chemicals listed are based on our southeast Michigan growing conditions, and are not recommended for nationwide application. Please adjust the rates and spray applications to your location and facility.