

Angelonia

Angelface®



NUTRITION

pH: 5.8 – 6.2

EC: (2:1 extraction method) .6 – .9

Constant feeding at 150ppm – 200ppm nitrogen with a fertilizer selected for grower's water quality and soil mix is recommended.

TEMPERATURE

Rooting out: 65 – 72 F

Growing on: 65 – 72 F

Holding: 65 – 68 F

WATERING

Maintain moderate soil moisture. Allow the soil to cycle from moist to dry. Avoid both severe dry downs/wilting and long periods of wet soil, especially at cooler temperatures. To avoid lower leaf soft rots in lower light, cooler temperatures, or higher humidity situations, water early in the day as needed to avoid prolonged exposures of water on lower foliage. Proper air movement is helpful.

TIMING

4" – 5": 4 – 5 weeks with one 42 cell or 84 cell Supernova® plant per container.

6"/1GL Royale™: 7 – 9 weeks in 6" Royales with one to two 42 cell or 84 cell Supernova plants per container.

8": 8 – 9 weeks with three 42 cell or 84 cell Supernova plants per container.

Supernova 42 liners are used at Four Star and are recommended for best flower timing, flower count, and plant size in smaller containers. Supernova 84s can also be considered. Supernova 84s may finish about 1 week later than the Supernova 42s. The Supernova 84 finishes faster and more consistently than Standard 84s. They offer an option that balances shipping costs with improved performance. If Standard 84s are used for spring production, supplemental lighting, additional crop time, pinching, and additional PGR applications are required.

PLANTING

Angelface® *Angelonias* should be planted into a well drained soil mix selected to match individual water quality and fertilizer blends. Water in thoroughly without saturating the mix and maintain a constant moderate soil moisture level for the first seven to 10 days to establish new rooting. Plants have already been pinched – when using Supernova liners, further pinching is not recommended. If using Standard 84 liner plants, a second pinch may be needed in the case of taller material at time of planting or with plants for larger containers. This second pinch can be given for larger containers, usually two to four weeks after planting.

LIGHT/LIGHTING

Angelface *Angelonias* should be grown in a high light area of the greenhouse for optimal flowering and plant development. Supernova liners have been treated for earlier flowering and will not require additional grower lighting. If very early crops are scheduled well before the onset of 12-hour natural daylengths, daylength extension lighting is helpful. For scheduling considerations Blue, Perfectly Pink, Wedgwood Blue, and White flower in roughly this order. Angelface Supers flower in the following order – Blue, Pink and then White. Blue flowers between that of Wedgwood Blue and Angelface White. Super Pink and White both flower at the same time as Angelface White or slightly later. Also, if growing from Standard 84 liners, additional lighting to 14 hours/day lighting is required for early spring to mid-spring finish dates. Additional PGR treatments will also be required on non-Supernova treated plants.

Angelface® Blue – 4.25" Grande™ at 4 weeks



Standard
84 liner

Supernova®
84 liner

Supernova®
42 liner



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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.



GROWTH REGULATORS

If required, either a light spray of Sumagic® (uniconazole) at 2ppm – 5ppm or a more thorough application (just to the point of runoff) of B-Nine® (daminozide) at 2,500ppm – 5,000ppm is effective. Proper growing temperatures and especially drier growing practices can be very helpful at managing plant size. Drenches of Bonzi® (paclobutrazol) can be applied at 1ppm if desired.

Treatments are usually made to smaller containers: seven to 14 days after planting. Treatments to larger containers can be made when a desired “pre-finished” size is attained (two to four weeks after planting). Watch for the “softening” look and lighter green appearance of new growth as an indication for PGR treatment needs. In more northern areas, the lower rates should be used as a starting base while in more southern areas, the higher rates will probably be needed.

Other materials such as Topflor® (flurprimidol) and Piccolo® (paclobutrazol) can be used at rates that correspond with the degree of treatment recommended for Sumagic or Bonzi. Florel® (ethephon) should not be used, due to possible leaf tip burn and distortion. Repeated PGR treatments can cause flowering delay.

When using Supernova liners, please refer to the Supernova Culture Guide for specific PGR recommendations. Florel is not recommended for use with Supernovas, except possibly with *Nemesia* and *Diascia*.

PEST and DISEASE MANAGEMENT

Leaf spotting and soft rots due to improper watering are the most common disease issue. Proper watering practices, high light conditions, and good air movement will greatly reduce any possible issues. Aphids are the most common pest, with whiteflies also a concern.

OUTDOOR GROWING SCHEDULE

Angelface *Angelonia* should be grown outdoors only after the danger of frost has past (approximately mid to late May in Michigan). The foliage can be damaged from a very light frost. This recommendation is based on average spring weather and should be adjusted for unseasonably severe or unseasonably mild conditions.

OTHER TIPS

Supernova treated liners are highly recommended for most grower uses. For best combination planting performance, vigor considerations should be made of all plants used, if you are mixing Supernova treated plants with non-Supernova treated plants. *Angelonia* as a genera is a high light and heat loving plant. It is best suited for mid-spring and summer production. If grown too cool, plants can be stunted. All varieties of Angelface *Angelonia* available in the 28 count Supernova Thriller™ tray are designed to be used for possible fast finish in larger monoculture containers and especially as the center “Thriller” plant in upright combination plantings.