

impatiens

Silhouette



RECEIVING UNROOTED IMPATIENS CUTTINGS

Open the boxes upon arrival. Cuttings should be stuck as soon as possible. Cuttings may be temporarily stored overnight at 8°C in open boxes.

ROOTING UNROOTED IMPATIENS CUTTINGS

Root Emergence: 7-12 days

Total Rooting Time: 21-28 days

Preparation Prior to Arrival of Cuttings: Clean and disinfect propagation area. Place rooting media on the bench shortly before arrival of cuttings. Preservation of cutting quality is dependant upon how quickly cuttings are stuck into ideal propagation conditions.

Rooting Hormones: Will encourage uniform rooting. Determine proper concentrations prior to sticking the entire crop. Excess hormones can cause severe damage.

Misting: Cuttings will require mist up until the 4th to 7th day or until roots begin to push into media. If using bottom heat, the cuttings may require occasional misting overnight during this crucial period. Mist for short durations as needed to keep cuttings turgid and prevent wilting. Frequency will be dependant upon light and temperature conditions. Misting should be complete 4 - 7 days after arrival. Excess misting can leach nutrients and create conditions favorable for disease.

Disease Control: A preventative soil drench for Pythium can be made any time after sticking. Preventative sprays aid in controlling botrytis. Excessive pesticides usage either in frequency or concentration may delay root development.

Moisture: Moisture level 4 (wet). Media is wet to the touch, but not saturated. After roots are established, keep foliage as dry as possible. Irrigate in the morning to prevent botrytis infections.

Ventilation: Ventilation and Horizontal Air Flow fans are the most important tools in reducing botrytis infections.

Humidity: 70-80%

Air Temperature: 20-24°C

Bottom Heat Temperature: 22-24° C. Bottom heat is recommended to promote uniform rooting.

pH: 5.5 - 6.0

Media EC: < 1.5

Light: Shade fresh cuttings, at 1500-2000 foot candles, the first week to reduce transpiration and to avoid excessive misting.

Fertilizer: Apply as soon as cuttings start to root at 50-75 ppm

FINISHING ROOTED IMPATIENS CUTTINGS

Disease Prevention/Sanitation: Preventing plant disease is the easiest and most cost effective method of controlling potential disease problems. Prior to the arrival of your plugs, disinfect all growing surfaces. Use only new pots and fresh media.

Media: Select a porous media that drains well. A pre-plant charge of micro and macro-nutrients is recommended.

Pre-Plant: Thoroughly water the plugs until media is saturated. Moisten finish container media till wet to the touch, but not saturated. Dibble a small hole to prevent breaking of delicate roots when transplanting plugs.

Transplanting: Transplant directly into finish container with rooting media level with soil in container. Rooting media above soil line will promote excessive drying out and wilting of the plugs despite a moist environment.

Media pH: 5.5-6.0

Moisture: Alternate moisture level 4/2. Moisture level 4 (wet). Media is wet to the touch, but not saturated. Moisture level 2 (medium). Media has changed colour from dark black to a medium brown.

Fertilizer: After roots are established, begin constant liquid feed at 150-200 ppm nitrogen.

Media EC: 1.25-1.5

Temperature: Initially provide 16°-18°C nights and 17°-22° C days stimulate rapid root growth. Once rooted to the sides of the pot, temperatures may be lowered to 13°-16°C nights.

Light: Initially provide 1500-2000 foot candles to a newly transplanted crop.

Pinching: Not required, but a single pinch after transplanting will stimulate branching and produce a more compact plant.

Growth Regulators: Under high temperature conditions, Bonzi at 2-5 ppm is effective for controlling growth. Bonzi drenches are not recommended.

Common Pests: Aphids, Spider Mites, Thrips

Common Diseases: Botrytis, Pythium, Impatiens Necrotic Spot Virus, Rhizoctonia

GARDEN PERFORMANCE

Garden Height: 25-35cm

Width: 25-35cm

SCHEDULING

Rooted to 100mm finish: 6-10 weeks

Rooted to 140mm finish: 7-11 weeks

Rooted to 250mm basket finish: 7-11 weeks

Rooted to 300mm basket finish: 7-11 weeks