

## Divine New Guinea Impatiens Temperature Response

### Average Daily Temperature (ADT)

53°F (11°C)

58°F (14°C)

66°F (19°C)



Divine New Guinea Impatiens are a warm-season crop. Plants stop growth or eventually die at an ADT of 53°F (11°C) (left tray). The minimum suggested production temperature is about 58°F (14°C), at which point plants develop very slowly with smaller flower size (center tray). Maintaining an ADT between 66 and 73°F (19 and 23°C) is recommended. Heat stall may occur at ADT exceeding 85°F (29°C).

## Divine New Guinea Impatiens PGR Response



Divine New Guinea Impatiens are responsive to paclobutrazol (Bonzi) spray for height control. A paclobutrazol 5 ppm spray 2 weeks after transplanting has been shown to be effective in Elburn, IL.

## Divine New Guinea Impatiens Fertilizer Response



Divine New Guinea Impatiens are moderate feeders. Too much fertilizer will result in leafy, lush plants with fewer flowers (right). Fertilizer rates at 100 to 150 ppm N once a week *OR* a constant liquid feed of 65 ppm N using low ammonium and low phosphorus fertilizer are recommended.

## Divine New Guinea Impatiens PGR and Fertilizer Response



Paclobutrazol (Bonzi) and fertilizer can be used to manipulate plant size. The plant on the left was grown under a high fertilizer regime of 200 ppm N once a week and sprayed with 5 ppm paclobutrazol. The plant in the middle received a moderate fertilizer rate of 100 ppm N once a week and was grown without PGRs. The left and center plants are suitable habits for 306 packs. The plant on the right was grown with high fertilizer rate of 200 ppm N once a week without PGRs and is deemed unsuitable for sale.

## Divine New Guinea Impatiens Crop Time

**Germination:** 6 to 8 days

**Sow to transplant (288 or 128 plugs):** 5 to 6 weeks

**Transplant to finish (weeks):**

Container	288-cell plugs per pot	Spring	Fall (southeast)*
306/1801 Pack	1	7 to 8	8 to 10
4.5-in. (10.5-cm), Quart	1	7 to 8	8 to 10
6-in. (15-cm), Gallon	1 to 3	8 to 9	9 to 11
10-in. (25-cm) Basket	3 to 4	8 to 9	9 to 11
12-in. (30-cm) Basket	4	8 to 9	9 to 11

\*Heat delay possible when average daily temperature (ADT) exceeds 85°F (29°C).

## Divine NG Impatiens Fertilizer Response

Lavender 306 Pack Cell

100ppm  
1x week



200ppm  
1x week



In addition to PGR use, the plant size of Divine™ New Guinea impatiens can also be controlled by fertilizer level. Plants fertilized with 100 ppm once a week appear slightly hungry, but are more compact and slightly earlier to flower with more flowers on top (left plant) than plants fertilized at a 200 ppm fertilizer rate (right plant).

## Divine NG Impatiens PGR Response

Lavender 306 Pack Cell

**Bonzi  
5ppm Spray**

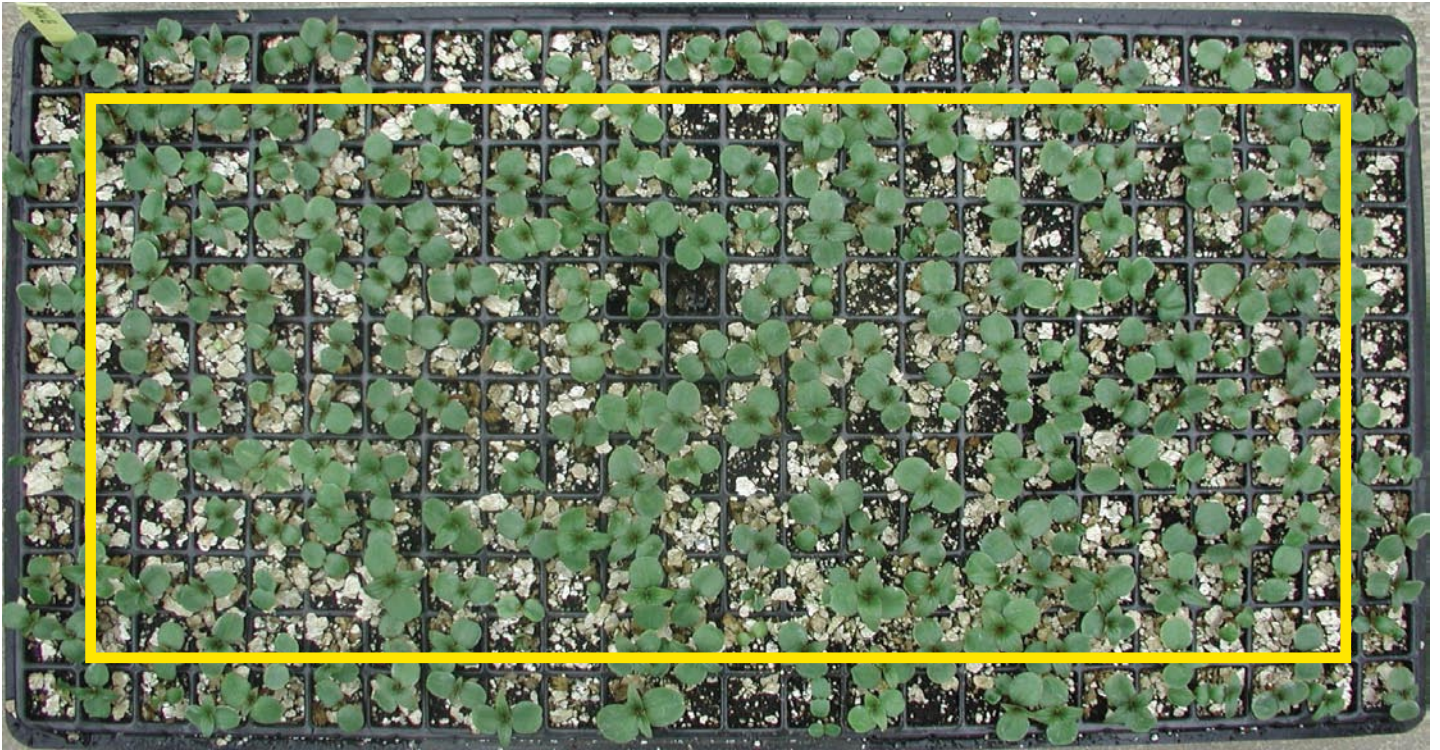


**Control**



Divine™ New Guinea impatiens respond well to Bonzi 5 ppm spray at 2 weeks after transplant (left plant).

# PanAmerican Seed Culture Research



Divine™ New Guinea impatiens are sensitive to media moisture during the plug stage. Keep plug tray moisture high until late Stage 2 to avoid the possibility of reduced germination rate or stunted seedlings (see edge seedlings in above photo).