

Impatiens F1 Balance™

Life cycle	Annual
Family / Origin	Balsaminaceae / Africa
Popular uses	Outdoor containers, suitable for borders and beds
Mature plant height	15-20 cm (6-8")
Mature plant width	25-30 cm (10-12")
Pot size	Packs, 8-10 cm (3-4") pots
Plants per pot	1, 3 to 5 plants for baskets and large pots
Sun exposure	Partial shade - Shade
Water requirements	Reduced, avoid wet conditions
Flowering time	Entire growing season
Media	A well-drained, porous media is best to prevent over watering pH 5.5-6.2 EC 1.4-1.8 (210-270 ppm N)
Growing temperature	Start at 18-20°C (64-68°F) Lower the temperature after rooting at 15-18°C (59-64°F) Avoid wet conditions at night
Light	Impatiens are shade plants and should not be exposed to excessive amounts of sun If properly hardened, impatiens can handle up to 4 hours of morning sun
Fertilizer needs	Balanced N:P:K fertilizer as needed recommended Use calcium based fertilizers EC 1.8-2.0 (270-300 ppm N)
Crop time	9-11 weeks
Hardiness zone	N/A



Description

A mounded plant habit with abundant uniform flowering and strong garden vigor

Growth regulators

Impatiens responds to: Daminozide (Dazide or B-nine). For Paclobutrazol (Bonzi) you need to be careful monitoring the water. Light and fertilizer applications can keep growth under control

Common diseases

Alternaria Leaf Spot, Fusarium Wilt, Phytophthora, Downy Mildew

Common pests

Thrips, Leaf Miner, Aphids and Whitefly

Pinching

No need

Plug Production

Seed forms	Raw
Seed count	2.100 seeds/gram (59.500 seeds/oz); varies by lot!
Recommended plug size	480-264
Seeds cell	1
Vermiculite cover	Light
Stage 1 germination	<p>Media EC 0.5-1.0 (75-150 ppm N) Media pH 6.2-6.5; low pH (<5.5) may promote shoot tip abortion and cause sodium to become toxic Growing medium temperature: 21-24°C (70-76°F) Maintain high moisture levels and keep a relative humidity of 95-100% Temperature above the recommended levels may induce thermal dormancy, hindering germination Temperature below the recommended levels will reduce the speed and uniformity of germination Temperature below 18°C (65°F) can cause tip abortion and leaf deformity Light is necessary for the germination process Provide 10-100 lux (1-10 fc) in the germination chamber</p>
Stage 2 Stem and cotyledon	<p>Reduce moisture levels to achieve optimal root penetration and prevent fungal diseases Avoid wet foliage after nightfall Temperature 20-22°C (68-72°F) Fertilization: EC 0.7-1.2 (105-180 ppm N) Supplemental light of 3.500-4.500 lux (325-418 fc) for 14 days will help produce more vigorous and strong seedlings</p>
Stage 3 Growth and development	<p>Gradually lower temperatures to 20-22°C (68-72°F) Increase fertilization levels up to EC 0.7-1.2 (105-180 ppm N) with every second or third watering. A minimal use of fertilizer ensures the seedlings remain compact and stimulates flowering Start by lowering the moisture level to prevent stretching of the seedlings</p>
Stage 4 Ready for transplanting	<p>The plugs can be finished at 20-22°C (68-72°F) throughout the whole plug stage PH level need to be maintained at 6.0-6.5</p>
Plug crop time	4-5 weeks
Approximate finish time	5-6 weeks
Special tips	<p>Plants need good light, but provide light shade to keep the flowers above the foliage and prevent leaf burn Space plants well to avoid stretching</p>