

Life cycle	Annual
Family/origin	Balsaminaceae /Africa
Popular uses	Outdoor containers, suitable for borders and beds
Mature plant height	15-20 cm (5-8")
Mature plant width	20-25 cm (8-10")
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 (100-150 ppm)
Growing temperature	Start at 18-20°C (64-68°F) Lower the temperature after root 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 fertiliser as needed recommended, use calcium based fertilizers EC 1.8-2.2 (50-200 ppm)
Crop time	10-12 weeks
Hardiness zone	N/A



Mixed

Growth regulators

Impatiens responds to: Daminozide (Dazide or B-nine), Paclobutrazol (Bonzi) however careful monitoring of water, light and fertilizer applications can keep growth in check

Common Diseases

Alternaria leaf spot, Fusarium, Phytophthora, Downy mildew

Common Pests

Thrips, Leafminer, Aphids and Whitefly

Pinching

No need

Impatiens F1 Balance™ - Impatiens walleriana

Plug Production



Seed forms	Raw
Seed count	2.100 sds/gr (59,535 sds/oz)
Seeds cell	1
Vermiculite cover	Light
Stage 1 Germination	Media EC: <0.75 Media pH: 6.2-6.5; low pH (<5.5) may promote shoot tip abortion and allow sodium to become toxic Temperature: 21-24°C (71-76°F) growing medium temperature Maintain high moisture levels and keep a relative humidity of 95-100% Temperature above the recommended levels may induce thermal dormancy which inhibits the germination. Temperature below the recommended levels will decrease the speed and uniformity of germination. Temperature below 18°C (65°F) may cause tip abortion and leaf malformation Light is necessary for the germination process Provide 10-100 lux (1-10 fc) in the chamber
Stage 2 Stem and cotyledon	Reduce moisture levels to obtain optimum root penetration and to prevent fungal diseases Prevent wet foliage after nightfall Temperature: 20-22°C (68-72°F) Fertilization: EC 0,7-1.2 (100-175 ppm) Supplemental light at 3,500-4,500 lux (350-450 fc) for 14 days will help to produce more vigorous and strong seedlings
Stage 3 Growth and development	Gradually lower temperatures to 20-22°C (68-72°F) Increase fertilization levels up to EC 0.7-1.2 (100-175 ppm) with every second or third watering A minimal use of fertilizer will keep the seedlings compact and stimulate flowering Start to decrease the moisture levels to avoid stretching of the seedlings
Stage 4 Ready for transplanting	The plugs can be finished at 20-22°C (68-72°F) throughout the whole plug stage PH levels need to be maintained at 6.0-6.5
Plug crop time	4-5 weeks
Approximate finish time	5-6 weeks
Special tips	Plants require good light but shade lightly on very bright days to keep flowers above the foliage and prevent leaf burn. Space plants well to avoid stretching