

Verbena bonariensis Purple Haze

Life cycle	Biennial / Perennial
Family / Origin	Verbenaceae / Argentina
Popular uses	Mixed containers, patios, garden beds, accent plant, first year flowering perennial
Mature plant height	80-100 cm (32-40")
Mature plant width	20-35 cm (8-14")
Pot size	12-15 cm (5-6") pots, gallon containers and larger
Plants per pot	1 plant per 15 cm (6") pot 3 plants in larger pot or container
Sun exposure	Full sun
Water requirements	Reduced, avoid wet conditions
Flowering season	Late spring, early summer
Media	A well-drained, porous media is best to prevent over watering pH 5.5-6.2 EC 0.5-1.5 (75-225 ppm N)
Growing temperature	For active growth: 10-16°C (50-61°F) at night; up to 16°C (61°F) during day Higher average day temperature will speed up the process
Light	A longer day length induces flowering
Fertilizer needs	Well-balanced calcium-based fertilizer; avoid those based on ammonium nitrate, as they promote stretch/elongation EC 1.4-2.5 (210-375 ppm N)
Crop time	15-21 weeks (depending on season)
Hardiness zone	Z 7-11



Description

Tall first year flowering perennial with globular clusters of lavender to light purple flowers

Growth regulators

Daminozide (Dazide / B-Nine) and Paclobutrazol (Bonzi)

Common diseases

Wet foliage needs to be avoided to prevent Powdery Mildew, Leafspots and Rust

Common pests

Spider Mites, Aphids, Whiteflies, Snails and Leaf Miners

Pinching

No need, although frequent cutting will enhance regrowth

Crop type

First year flowering perennial (no vernalization required)

Plug Production

Seed forms	Profi-seed and Pelleted
Seed count	4.500-5.000 seeds/gram (127.500-142.000 seeds/oz); varies by lot!
Recommended plug size	288-128
Seeds cell	4-5
Vermiculite cover	Normal
Stage 1 Germination	6-9 days for germination Media pH: 5.5 to 6.3 Media EC: 0.5-1.0 (75-150 ppm N) Media moisture: keep medium saturated Growing medium temperature: 20-22°C (68-72°F)
Stage 2 Stem and cotyledon	Reduce moisture levels to achieve optimal root penetration and prevent fungal diseases. Avoid wet foliage after nightfall Temperature: 18-20°C (64-68°F) Fertilization: EC 0.5-1.0 (75-150 ppm N)
Stage 3 Growth and development	Moisture: reduce moisture levels and allow medium to dry between watering. Do not allow plants to wilt Temperature: 18-20°C (64-68°F) EC 1.4-1.8 (210-270 ppm N)
Stage 4 Ready for transplanting	Moisture: reduce moisture levels and allow medium to dry between watering. Do not allow plants to wilt Temperature: 13-15°C (55-59°F) Fertilization: see stage 3
Plug crop time	5-6 weeks
Approximate finish time	10-15 weeks
Special tips	Tolerates heat and drought. Water evenly when necessary The crop needs good air circulation in well-ventilated conditions