

Benary's
Petunia Portfolio



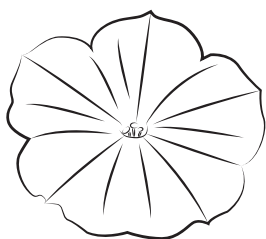
Choose

from two “HD”
Petunia Series

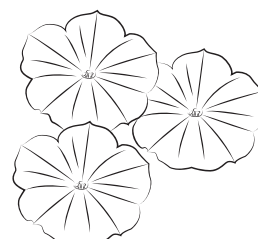
now



SUCCESS!® HD
Petunia grandiflora
Large Flowers



BOOM!™ HD
Petunia multiflora
Many small Flowers



Genetically Compact and
Dense Growing Plants

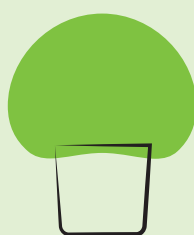
Different Growth Types

of all Benary Petunias for your Required Application



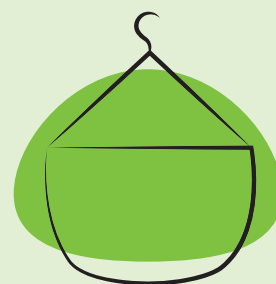
HD

High Density
= Compact Habit



360°

Impressive round
growth from 360°



TR

Trailing Habit



BOOM!™ HD Rose Star

Petunia x hybrida F₁ ☺

BOOM! HD



- Excellent weather resistance
- Dense growth with high uniformity in plant habit
- Plants fill packs and pots quickly
- Early flowering

Genetically Compact
Petunia Multiflora Series



BOOM!™ HD White



White
T4000P



Salmon
T4010P



Pink
T4020P



Burgundy
T4060P



Rose Star
T4070P








Red
T4040P



Blue
T4050P



Maxi Mix
T4100P

					
BOOM!™ HD	9-13 wks	6-8"15-20 cm	10-12"25-30 cm	Sun	Pelleted

Petunia x hybrida F₁ ☺

SUCCESS!® HD

- Dense growing series
- Unbeatable in earliness and uniformity
- Large flowers in vivid, intense colors
- Fast filling of packs and pots



SUCCESS!® HD White

HD stands for
High Density



SUCCESS!® HD Burgundy

Genetically Compact
Petunia Grandiflora Series



White
T 1831P



Salmon Morn
T 1803P



Salmon
T 1801P



Red
T 1771P



Light Pink
T 1756P



Pink
T 1751P



Rose Star
T 1782P



Burgundy
T 1765P



Blue
T 1701P



Maxi Mix
T 1900P

SUCCESS!® HD	9-13 wks	6-8" 15-20 cm	10-12" 25-30 cm	Sun	Pelleted

Petunia x hybrida F₁ ☉

SUCCESS!® 360°

Impressive Show Maker from 360°

- Round, full growth
- Very uniform series in plant habit
- Early flowering with large, attractive flowers
- Wide range of colors with Star shades
- Fast filling of packs, pots or baskets



White
T 3011 / P



Light Yellow
T 3034 / P



Deep Salmon
T 3013 / P



Red
T 3017 / P



Red Star
T 3028 / P



Pink
T 3014 / P



Deep Pink
T 3030 / P



Deep Rose
T 3016 / P



Rose Star
T 3027 / P



Violet
T 3031 / P



Burgundy
T 3022 / P



Burgundy Vein
T 3026 / P



Purple
T 3019 / P








Purple Vein
T 3025 / P



Blue
T 3018 / P



Maxi Mix
T 3050 / P

					
SUCCESS!® 360°	9-13 wks	12-14"	30-35 cm	10-12"	25-30 cm
				Sun	Raw & Pelleted*

* Only available as pelleted seed in North America.



SUCCESS!® TR Maxi Mix

Petunia x hybrida F₁ ☼

SUCCESS!® TR



- TR stands for the trailing habit
- Very uniform series in flower timing and habit
- Earliest trailing series on the market
- Unbeatable, intense colors



Violet

Unbeatable Series for Growers & Consumers



SUCCESS!® TR Red



White
T0771P



Salmon
T0751P



Red
T0731P



Pink
T0721P



Rose
T0741P



Violet
T0761P



Burgundy
T0711P



Silver Vein
T0691P



Blue
T0701P



Liberty Mix
T0892P



Twilight Mix
T0893P



Maxi Mix
T0891P

SUCCESS!® TR	11-13 wks	10-12" 25-30 cm	24-28" 60-70 cm	Sun-Partial shade	Pelleted

Petunia x hybrida F₁ ☼

Celebrity

Floriferous Multiflora Series

- Tight flowering window within the series
- Extremely rain tolerant
- Special bicolor and star types are included



Celebrity Red



White
T 1612 / P



Yellow
T 1622 / P



Salmon
T 1572 / P



Red
T 1512 / P



Red Morn
T 1532 / P



Chiffon Morn
T 1402 / P



Pink
T 1472 / P



Pink Morn
T 1482 / P



Strawberry Ice
T 1602 / P



Rose
T 1542 / P



Rose Star
T 1562 / P



Carmine
T 1392 / P



Plum Ice
T 1492 / P



Burgundy
T 1352 / P



Burgundy Frost
T 1362 / P



Burgundy Star
T 1372 / P



Lilac
T 1412 / P



Sky Blue
T 1592 / P



Blue Ice
T 1342 / P



Blue
T 1312 / P



Regular Mix
T 1650 / P

Celebrity	11-13 wks	10-14" 25-35 cm	Sun-Partial shade	Raw & Pelleted

Technical Information

BOOM! HD

Minimum Germination Rate: 85 %

Seed Form: Pelleted

Product Use: Packs, pots, mixed containers and landscape

FLOWERING

Flowering Type: Facultative long day plant. Long days and high irradiance will promote flowering. Flowering is affected by day-length, irradiance and temperature.

PLUG CULTURE

Germination: Optimum conditions for seedling development, beginning on the day of sowing until radicle emergence. Expect radicle emergence in 3-5 days.

Sowing method: 1 pellet per plug.

Media: pH 5.5-5.8; keeping the pH below 6.0 will help to keep boron and iron available. EC 0.5-0.75.

Cover: No cover is necessary. Light is required for germination.

Temperature: 72-76 °F/22-24 °C until radicle emergence.

The temperature can be lowered approximately on day 5 to 68-72 °F/20-22 °C. Once cotyledons have fully expanded, reduce the temperature further to 64-68 °F/18-20 °C. Keep temperatures > 60 °F/16 °C until the plants are ready to transplant. For the fastest finish maintain an average daily temperature of 67 °F/19.5 °C.

Moisture: Begin by watering to saturated (5); applying enough water to help dissolve the pellets. After sowing do not allow the pellets to dry back before moving to the germination chamber or benches. Maintain saturation (5) for 3-4 days or until radicle emergence. On day 5 reduce media moisture to wet (4) for the next 5-6 days. On day 10 reduce the moisture further to medium (2). Alternate between wet (4) and a medium (2) between watering.

Humidity: 95-100 % until day 5; then reduce to 40-60 %. Reducing the humidity will help to prevent the seedlings from stretching. Provide proper ventilation and horizontal airflow to improve oxygen levels in the media.

Light: Light is necessary for germination. If using a germination chamber, provide 10-100 ft. candles (100-1,000 lx).

Fertilizer: Maintain an EC < 1.0. Fertilized water should not exceed an EC of 0.5. Upon initial germination after 5-6 days, begin feeding with 50 ppm nitrogen. Pay attention to the addition of boron since low boron can cause tip abortion. Ideal boron concentration is 0.5 ppm.

Growth Regulators: After the initial first application of B-Nine (daminozide) at 2,500-5,000 ppm on day 7-10 for toning the seedlings, they should not require additional growth regulators.

GROWING ON

Disclaimer

All information is based on our own trials and would therefore be as guideline only. Detailed cultivation aspects vary depending on climate, location, time of year and environmental conditions. Benary expressly disclaims any responsibility for the content of such data / information and makes no representation or warranty for the cultivation of any products listed. It is recommended that growers conduct a trial of products under their own conditions.

Media: pH 5.5-5.8; EC 1.5-2.0.

Light: Provide 12-18 mol/m²/day (3,500-5,000 ft. candles or 35,000-50,000 lx) of light in the finishing stages. Petunias need long days to flower. To initiate bud under short days, extend the day length to 14 hours. Long days with low light conditions require supplemental lighting of 350-500 ft. candles (3,500-5,000 lx).

Temperature: After transplanting, always maintain temperatures > 56 °F/13 °C during night for the first 3-4 weeks to initiate flower bud development. These low night temperatures encourage basal branching and compactness for a higher quality plant. However, lower temperatures may also substantially decrease the number of flowers initiated. An average daily temperature of 62-70 °F/17-21 °C will work well.

Moisture: Alternate between moisture levels wet (4) and medium (2). Allow plants to reach medium (2) before re-saturating to wet (4).

Humidity: 40-60 % humidity is ideal. Providing good ventilation and horizontal air flow will help lower the humidity and dry back the media, providing oxygen to the roots.

Fertilizer: Feed at 100-200 ppm nitrogen. Under high light conditions, apply an ammonium based fertilizer (17-5-17) or (20-10-20). To prevent stretching under low light conditions, apply a calcium based fertilizer (14-4-14) or (15-5-15). Under high light and long days an ammonium based feed (20-10-20) is preferred.

Growth Regulators: This genetically compact series does not require repeated applications of growth regulators after transplanting.

Fungicide: Apply fungicides during long periods of low light and high humidity.

Common Diseases: Botrytis, rhizoctonia, pythium.

Pests: Primarily Aphids and Thrips.

Post Harvest: Fertilize with potassium nitrate at 100 ppm 1-2 weeks prior to shipping.

Plug Crop Time

288 tray	4-5 wks
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Finished Crop Time (from 288 tray)

Packs	4-5 wks
4.5" /12 cm pots	5-6 wks
6"/15 cm pots	6-7 wks

For more detailed information about BOOM!™ HD or our other varieties within the Petunia series see our Technical Guide.

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