

# PUGSTER BLUE™

*Buddleia* 'SMNBDBT'

ppaf, cbraf

Common name: butterfly bush



| Landscape Info: |              |
|-----------------|--------------|
| USDA/AHS zones: | USDA 5/AHS 9 |
| Mature height:  | 2'/.6 m      |
| Exposure:       | Full sun     |
| Irrigation:     | Moderate     |

| Features & Benefits:   |  |
|--|--|
| <ul style="list-style-type: none"> <li>- Full-sized flowers on a dwarf plant</li> <li>- Very thick, sturdy stems ensure better winter survival in less-than-ideal conditions</li> <li>- Fragrant flowers attract pollinators</li> <li>- True blue flower color is set off by an intense yellow eye in each floret; deadheading not needed for continuous bloom.</li> <li>- Deer resistant</li> </ul> |  |

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| Cultural info:      |                                     |                                  |
|---------------------|-------------------------------------|----------------------------------|
| pH Level:           | 5.6 – 6.2                           |                                  |
| Nutrient Needs:     | Average                             |                                  |
| EC (2:1 extract):   | 0.6 – 0.9                           |                                  |
| Light Level:        | High                                |                                  |
| Watering:           | Moderate (good drainage imperative) |                                  |
| Rooting Out Temp:   | 65° - 72°F/18.3-22.2° C             |                                  |
| Overwintering Temp: | 40 - 50°F/4.4-10° C                 |                                  |
| Sales Window:       | Spring through summer               |                                  |
| Blooms On:          | New wood                            |                                  |
| Trimming/pruning:   | Trim 3-5 times                      |                                  |
| Vernalization:      | Not required                        |                                  |
| Vigor Rating:       | High                                |                                  |
| Finish Size         | Liner Size                          | Weeks of Active Growth to Finish |
| 1 gallon            | 4"                                  | 6-8                              |
| 2 -3 gallon         | Quick Turn                          | 10-12                            |

| Grower Tips:   |  |
|--|--|
| <ul style="list-style-type: none"> <li>• Buddleia will rebloom approximately 4-6 weeks after trimming in summer. Multiple crop cycles will give you a continuous supply of ready-to-sell product, covered with large terminal blooms.</li> <li>• When trimming, do not cut into thick stems; trim to shape only.</li> <li>• Does not require deadheading for continuous bloom.</li> <li>• Buddleia are susceptible to spider mites; scout often and treat aggressively.</li> <li>• Avoid drought stress to minimize wilting and pest issues.</li> <li>• Taper off fertilizing and excessive watering in mid-late summer to minimize damage if crop is to be overwintered. Keep on the dry side when dormant.</li> <li>• Avoid fall pruning, and in spring, do not cut until new growth begins to emerge on stems.</li> <li>• Not recommended for fall sales/planting in zone 5.</li> </ul> |  |
| NOTES:   |  |

# PUGSTER PERIWINKLE™

*Buddleia* 'SMNBDO'

ppaf, cbraf

Common name: butterfly bush



| Landscape Info: |              |
|-----------------|--------------|
| USDA/AHS zones: | USDA 5/AHS 9 |
| Mature height:  | 2'/.6 m      |
| Exposure:       | Full sun     |
| Irrigation:     | Moderate     |

| Features & Benefits:  |  |
|---|--|
| <ul style="list-style-type: none"> <li>- Full-sized flowers on a dwarf plant</li> <li>- Very thick, sturdy stems ensure better winter survival in less-than-ideal conditions</li> <li>- Fragrant flowers attract pollinators</li> <li>- Orchid-purple blooms all summer without deadheading</li> <li>- Deer and rabbit resistant</li> </ul> |  |



| Cultural info:      |                                     |                                  |
|---------------------|-------------------------------------|----------------------------------|
| pH Level:           | 5.6 – 6.2                           |                                  |
| Nutrient Needs:     | Average                             |                                  |
| EC (2:1 extract):   | 0.6 – 0.9                           |                                  |
| Light Level:        | High                                |                                  |
| Watering:           | Moderate (good drainage imperative) |                                  |
| Rooting Out Temp:   | 65° - 72°F/18.3-22.2° C             |                                  |
| Overwintering Temp: | 40 - 50°F/4.4-10° C                 |                                  |
| Sales Window:       | Spring through summer               |                                  |
| Blooms On:          | New wood                            |                                  |
| Trimming/pruning:   | Trim 3-5times                       |                                  |
| Vernalization:      | Not required                        |                                  |
| Vigor Rating:       | High                                |                                  |
| Finish Size         | Liner Size                          | Weeks of Active Growth to Finish |
| 1 gallon            | 2 ¼"                                | 6-8                              |
| 2 -3 gallon         | Quick Turn                          | 10-12                            |

| Grower Tips:   |  |
|--|--|
| <ul style="list-style-type: none"> <li>• Buddleia will rebloom approximately 4-6 weeks after trimming in summer. Multiple crop cycles will give you a continuous supply of ready-to-sell product, covered with large terminal blooms.</li> <li>• When trimming, do not cut into thick stems; trim to shape only.</li> <li>• Does not require deadheading for continuous bloom.</li> <li>• Buddleia are susceptible to spider mites; scout often and treat aggressively.</li> <li>• Avoid drought stress to minimize wilting and pest issues.</li> <li>• Taper off fertilizing and excessive watering in mid-late summer to minimize damage if crop is to be overwintered. Keep on the dry side when dormant.</li> <li>• Avoid fall pruning, and in spring, do not cut until new growth begins to emerge on stems.</li> <li>• Not recommended for fall sales/planting in zone 5.</li> </ul> |  |
| NOTES:   |  |

# PUGSTER PINK™

*Buddleia* 'SMNBDPT'

ppaf, cbraf

Common name: butterfly bush



## Landscape Info:

|                 |              |
|-----------------|--------------|
| USDA/AHS zones: | USDA 5/AHS 9 |
| Mature height:  | 2'/.6 m      |
| Exposure:       | Full sun     |
| Irrigation:     | Moderate     |

## Features & Benefits:

- Full-sized flowers on a dwarf plant
- Very thick, sturdy stems ensure better winter survival in less-than-ideal conditions
- Fragrant flowers attract pollinators
- Taffy pink flowers appear continuously all season without deadheading
- Deer and rabbit resistant

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## Cultural info:

| pH Level:           | 5.6 – 6.2                           |                                  |
|---------------------|-------------------------------------|----------------------------------|
| Nutrient Needs:     | Average                             |                                  |
| EC (2:1 extract):   | 0.6 – 0.9                           |                                  |
| Light Level:        | High                                |                                  |
| Watering:           | Moderate (good drainage imperative) |                                  |
| Rooting Out Temp:   | 65° - 72°F/18.3-22.2° C             |                                  |
| Overwintering Temp: | 40 - 50°F/4.4-10° C                 |                                  |
| Sales Window:       | Spring through summer               |                                  |
| Blooms On:          | New wood                            |                                  |
| Trimming/pruning:   | Trim 3-5 times                      |                                  |
| Vernalization:      | Not required                        |                                  |
| Vigor Rating:       | High                                |                                  |
| Finish Size         | Liner Size                          | Weeks of Active Growth to Finish |
| 1 gallon            | 2 ¼"                                | 6-8                              |
| 2 -3 gallon         | Quick Turn                          | 10-12                            |

## Grower Tips:

- Buddleia will rebloom approximately 4-6 weeks after trimming in summer. Multiple crop cycles will give you a continuous supply of ready-to-sell product, covered with large terminal blooms.
- When trimming, do not cut into thick stems; trim to shape only.
- Does not require deadheading for continuous bloom.
- Buddleia are susceptible to spider mites; scout often and treat aggressively.
- Avoid drought stress to minimize wilting and pest issues.
- Taper off fertilizing and excessive watering in mid-late summer to minimize damage if crop is to be overwintered. Keep on the dry side when dormant.
- Avoid fall pruning, and in spring, do not cut until new growth begins to emerge on stems.
- Not recommended for fall sales/planting in zone 5.

NOTES:

# PUGSTER WHITE™

*Buddleia* 'SMNBDW'

ppaf, cbraf

Common name: butterfly bush



| Landscape Info: |              |
|-----------------|--------------|
| USDA/AHS zones: | USDA 5/AHS 9 |
| Mature height:  | 2'/.6 m      |
| Exposure:       | Full sun     |
| Irrigation:     | Moderate     |

| Features & Benefits:   |
|--|
| <ul style="list-style-type: none"> <li>- Full-sized flowers on a dwarf plant</li> <li>- Very thick, sturdy stems ensure better winter survival in less-than-ideal conditions</li> <li>- Fragrant flowers attract pollinators</li> <li>- Pure, crisp white flowers are perfect for sophisticated landscapes; deadheading not required for continuous bloom</li> <li>- Deer resistant</li> </ul> |

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| Cultural info:      |                                     |                                  |
|---------------------|-------------------------------------|----------------------------------|
| pH Level:           | 5.6 – 6.2                           |                                  |
| Nutrient Needs:     | Average                             |                                  |
| EC (2:1 extract):   | 0.6 – 0.9                           |                                  |
| Light Level:        | High                                |                                  |
| Watering:           | Moderate (good drainage imperative) |                                  |
| Rooting Out Temp:   | 65° - 72°F/18.3-22.2° C             |                                  |
| Overwintering Temp: | 40 - 50°F/4.4-10° C                 |                                  |
| Sales Window:       | Spring through summer               |                                  |
| Blooms On:          | New wood                            |                                  |
| Trimming/pruning:   | Trim 3-5 times                      |                                  |
| Vernalization:      | Not required                        |                                  |
| Vigor Rating:       | High                                |                                  |
| Finish Size         | Liner Size                          | Weeks of Active Growth to Finish |
| 1 gallon            | 2 ¼"                                | 6-8                              |
| 2 -3 gallon         | Quick Turn                          | 10-12                            |

| Grower Tips:   |
|--|
| <ul style="list-style-type: none"> <li>• Buddleia will rebloom approximately 4-6 weeks after trimming in summer. Multiple crop cycles will give you a continuous supply of ready-to-sell product, covered with large terminal blooms.</li> <li>• When trimming, do not cut into thick stems; trim to shape only.</li> <li>• Does not require deadheading for continuous bloom.</li> <li>• Buddleia are susceptible to spider mites; scout often and treat aggressively.</li> <li>• Avoid drought stress to minimize wilting and pest issues.</li> <li>• Taper off fertilizing and excessive watering in mid-late summer to minimize damage if crop is to be overwintered. Keep on the dry side when dormant.</li> <li>• Avoid fall pruning, and in spring, do not cut until new growth begins to emerge on stems.</li> <li>• Not recommended for fall sales/planting in zone 5.</li> </ul> |
| NOTES:   |

# DOUBLE TAKE PEACH™

*Chaenomeles speciosa*

'NCCS4' ppaf

Common name: flowering quince



## Landscape Info:

|                 |                |
|-----------------|----------------|
| USDA/AHS zones: | USDA 5/AHS 9   |
| Mature height:  | 4-5'/1.2-1.5 m |
| Exposure:       | Full sun       |
| Irrigation:     | Average        |

## Features & Benefits:

- Thornless quince with very large double flowers
- Elegant color-peach blooms are densely packed on branches; very long blooming, few fruits produced
- Blooms in spring with some summer/fall rebloom
- Very heat and drought tolerant when established
- Excellent as a cut flower, hedge, border or foundation plant.

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## Cultural info:

| pH Level:           | 5.6 – 6.2   |                                  |
|---------------------|---|----------------------------------|
| Nutrient Needs:     | Average   |                                  |
| EC (2:1 extract):   | 0.6 – 0.9   |                                  |
| Light Level:        | Medium to high  |                                  |
| Watering:           | Average   |                                  |
| Rooting Out Temp:   | 65 – 72° F/18.3 – 22.2° C   |                                  |
| Overwintering Temp: | Polyhouse, no heat (where hardy)  |                                  |
| Sales Window:       | Spring bloom, but saleable all season (some late summer-fall rebloom may occur) |                                  |
| Blooms On:          | Old wood  |                                  |
| Trimming/pruning:   | Trim 2-3 times  |                                  |
| Vernalization:      | Not required  |                                  |
| Vigor Rating:       | Average   |                                  |
| Finish Size         | Liner Size  | Weeks of Active Growth to Finish |
| 1 gallon            | 2 ¼"  | 8-10                             |
| 2 - 3 gallon        | Quick Turn  | 14-18                            |

## Grower Tips:

- Double Take quince are fast to produce, but require a full year in the nursery if they are to be sold in bloom. This is because they bloom on old wood, so trimming to increase branching and plant body will remove flower buds. If in-bud or in-bloom sale is not crucial, as in sales to landscapers and contractors, plants can be produced and sold in the same season.
- Prune 2-3 times during the growing season to develop a full bodied plant. Stop trimming in late July to allow flower buds to form for sale the following season.
- Heaviest bud set is on two-year-old wood, so avoid cutting into oldest parts of the plant.
- Watch for spider mites; practice good sanitation to minimize the disease that typically occur on members of the rose family.
- Potting a 2 ¼" liner directly to a 3 gallon is not recommended.

NOTES:



# WINECRAFT BLACK™

*Cotinus coggygria* 'NCCO1'

ppaf, cbraf

Common name: smokebush



## Landscape Info:

|                 |                 |
|-----------------|-----------------|
| USDA/AHS zones: | USDA 4/AHS 8    |
| Mature height:  | 4-6'/1.2-1.82 m |
| Exposure:       | Full sun        |
| Irrigation:     | Average         |

## Features & Benefits:

- Dwarf, rounded smokebush with purple foliage that darkens to near-black through the season
- Flowers give way to dark red smoke-like seed heads immediately after bloom
- A durable, versatile plant; highly deer resistant
- Very colorful even when not in bloom

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## Cultural info:

| pH Level:           | 5.6 – 6.2                        |                                  |
|---------------------|----------------------------------|----------------------------------|
| Nutrient Needs:     | Average                          |                                  |
| EC (2:1 extract):   | 0.6 – 0.9                        |                                  |
| Light Level:        | High                             |                                  |
| Watering:           | Average to moist                 |                                  |
| Rooting Out Temp:   | 65 – 72° F/18.3 – 22.2° C        |                                  |
| Overwintering Temp: | Polyhouse, no heat (where hardy) |                                  |
| Sales Window:       | Spring-fall; early summer bloom  |                                  |
| Blooms On:          | New wood                         |                                  |
| Trimming/pruning:   | Trim 2-3 times                   |                                  |
| Vernalization:      | Required                         |                                  |
| Vigor Rating:       | Average                          |                                  |
| Finish Size         | Liner Size                       | Weeks of Active Growth to Finish |
| 1 gallon            | 2 ¼"                             | 10-12                            |
| 2 -3 gallon         | Quick Turn                       | 14-16                            |

## Grower Tips:

- Achieves good leaf color even under poly. For the darkest color, plant should be outdoors in full sun for a few weeks. Note also that foliage color darkens as the season progresses.
- Do not cut back too hard, as recovery from cuts into thick stems will be slow.
- Trim 2-3 times during the first growing season; if overwintering for sale the following year, a dormant prune is beneficial.
- When trimming, aim to produce a rounded plant body.
- Potting a 2 ¼" liner directly into a 3 gallon is not recommended.

NOTES:

# POLLYPETITE™

*Hibiscus syriacus* 'Rosina'

ppaf, cbraf

Common name: rose of Sharon



| Landscape Info: |                 |
|-----------------|-----------------|
| USDA/AHS zones: | USDA 5/AHS 9    |
| Mature height:  | 3-4'/.9-1.2 m   |
| Exposure:       | Full sun        |
| Irrigation:     | Low to moderate |

| Features & Benefits:   |
|--|
| <ul style="list-style-type: none"> <li>- Dwarf rose of Sharon with a tidy, rounded habit.</li> <li>- Large lilac-purple flowers, very floriferous.</li> <li>- Bright violet flowers packed along graceful stems</li> <li>- Very versatile landscape plant, thanks to its unique size and habit.</li> <li>- Long blooming even in hot weather.</li> </ul> |



| Cultural info:      |                                   |                                  |
|---------------------|-----------------------------------|----------------------------------|
| pH Level:           | 5.6 - 6.2                         |                                  |
| Nutrient Needs:     | High                              |                                  |
| EC (2:1 extract):   | 0.6 – 0.9                         |                                  |
| Light Level:        | High                              |                                  |
| Watering:           | Average                           |                                  |
| Rooting Out Temp:   | 65 – 72° F/18.3 – 22.2° C         |                                  |
| Overwintering Temp: | Poly house, no heat (where hardy) |                                  |
| Sales Window:       | Spring-fall (summer bloom)        |                                  |
| Blooms On:          | New wood                          |                                  |
| Trimming/pruning:   | Trim 2-4 times                    |                                  |
| Vernalization:      | Required                          |                                  |
| Vigor Rating:       | Average                           |                                  |
| Finish Size         | Liner Size                        | Weeks of Active Growth to Finish |
| 1 gallon            | 2 ¼"                              | 14-16                            |
| 2 - 3 gallon        | Quick Turn                        | 18-22                            |

| Grower Tips:   |
|--|
| <ul style="list-style-type: none"> <li>• Hibiscus are very heavy feeders and benefit from supplemental foliar feeds. Pale green foliage indicates the need for increased nitrogen.</li> <li>• Trim to shape frequently to avoid cutting into thick, woody stems, as doing so will result in a slow recovery.</li> <li>• Allow 8-10 weeks after last trim for flower buds to form if same-season, in-bloom sales are desired. If overwintered before sale, a dormant prune improves shape.</li> <li>• Whiteflies and aphids are most likely pest problems, scout often.</li> <li>• Potting a 2 ¼" liner directly to a 3 gallon is not recommended.</li> <li>• Dwarf variety finishes in roughly the same amount of time as large roses of Sharon but will be slightly smaller.</li> </ul> |
| NOTES:   |

# INVINCIBELLE LIMETTA™

*Hydrangea arborescens* 'NCHA8'

ppaf, cbraf

Common name: smooth hydrangea



| Landscape Info: |                 |
|-----------------|-----------------|
| USDA/AHS zones: | USDA 3/AHS 9    |
| Mature height:  | 2.5-3'/.76-.9 m |
| Exposure:       | Part-full sun   |
| Irrigation:     | Moderate        |

| Features & Benefits:  |  |
|---|--|
| <ul style="list-style-type: none"> <li>- A dwarf smooth hydrangea with very strong stems and round flower heads that start soft green, turn white, and mature to lime green.</li> <li>- Reblooming, flowers through frost.</li> <li>- Native to North America</li> <li>- Excellent as a cut flower as well as a low hedge, specimen, mixed border, or foundation planting.</li> </ul> |  |



| Cultural info:      |   |                                  |
|---------------------|---|----------------------------------|
| pH Level:           | 5.6 - 6.2                                 |                                  |
| Nutrient Needs:     | High                                      |                                  |
| EC (2:1 extract):   | 0.6 – 0.9                                 |                                  |
| Light Level:        | High                                      |                                  |
| Watering:           | Average                                   |                                  |
| Rooting Out Temp:   | 65 – 72° F/18.3 – 22.2° C                 |                                  |
| Overwintering Temp: | Polyhouse – no heat (where hardy)         |                                  |
| Sales Window:       | All season; blooms early summer, reblooms |                                  |
| Blooms On:          | New wood                                  |                                  |
| Trimming/pruning:   | Pinch or shear 2-4 times                  |                                  |
| Vernalization:      | Required                                  |                                  |
| Vigor Rating:       | Moderate to fast                          |                                  |
| Finish Size         | Liner Size                                | Weeks of Active Growth to Finish |
| 1 gallon            | 2 ¼"                                      | 6-10 (see notes)                 |
| 2 - 3 gallon        | Quick Turn                                | 14-18                            |

| Grower Tips:   |  |
|--|--|
| <ul style="list-style-type: none"> <li>• <i>Hydrangea arborescens</i> grows quickly so is best grown in 2 gallon containers or larger. However, 1 gallon plants can be produced quickly for same-season sales; any that do not sell can then be shifted to three or five gallon cans and turned in an additional 10-14 weeks.</li> <li>• Dwarf variety finishes as quickly as other <i>Hydrangea arborescens</i> but will be a smaller plant.</li> <li>• Trim 2-4 times during growing season. When dormant, cut back by a few inches to ensure a compact flush for sale.</li> <li>• Flower color is not affected by soil pH.</li> <li>• Applying B-Nine and Cycocell darkens foliage and encourages a dense, appealing habit for sale; proper timing is crucial for success, so consult our info sheet for details.</li> <li>• The Invincibelle® series reblooms and can be cycle-pruned to ship in-bloom product all season. Allow 8-10 weeks to rebloom after trimming (shorter in warm conditions, longer in cool).</li> </ul> |  |
| NOTES:   |  |



# INVINCIBELLE MINI MAUVETTE™

*Hydrangea arborescens* 'NCHA7'

ppaf, cbraf

Common name: smooth hydrangea



## Landscape Info:

|                 |                 |
|-----------------|-----------------|
| USDA/AHS zones: | USDA 3/AHS 9    |
| Mature height:  | 2.5-3'/.76-.9 m |
| Exposure:       | Part-full sun   |
| Irrigation:     | Moderate        |

## Features & Benefits:

- A dwarf smooth hydrangea with very strong stems and dense, round flower heads that bloom a never-before-seen purple-mauve color.
- Reblooming, flowers through frost.
- Native to North America
- Excellent as a cut flower as well as a low hedge, specimen, mixed border, or foundation planting.

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## Cultural info:

| pH Level:           | 5.6 - 6.2                                 |                                  |
|---------------------|---|----------------------------------|
| Nutrient Needs:     | High                                      |                                  |
| EC (2:1 extract):   | 0.6 – 0.9                                 |                                  |
| Light Level:        | High                                      |                                  |
| Watering:           | Average                                   |                                  |
| Rooting Out Temp:   | 65 – 72° F/18.3 – 22.2° C                 |                                  |
| Overwintering Temp: | Polyhouse – no heat (where hardy)         |                                  |
| Sales Window:       | All season; blooms early summer, reblooms |                                  |
| Blooms On:          | New wood                                  |                                  |
| Trimming/pruning:   | Pinch or shear 2-4 times                  |                                  |
| Vernalization:      | Required                                  |                                  |
| Vigor Rating:       | Moderate to fast                          |                                  |
| Finish Size         | Liner Size                                | Weeks of Active Growth to Finish |
| 1 gallon            | 2 ¼"                                      | 6-10 (see notes)                 |
| 2 - 3 gallon        | Quick Turn                                | 14-18                            |

## Grower Tips:

- *Hydrangea arborescens* grows quickly so is best grown in 2 gallon containers or larger. However, 1 gallon plants can be produced quickly for same-season sales; any that do not sell can then be shifted to three or five gallon cans and turned in an additional 10-14 weeks.
- Trim 2-4 times during growing season. When dormant, cut back by a few inches to ensure a compact flush for sale.
- Flower color is not affected by soil pH.
- Applying B-Nine and Cycocell darkens foliage and encourages a dense, appealing habit for sale; proper timing is crucial for success, so consult our info sheet for details.
- The Invincibelle® series reblooms and can be cycle-pruned to ship in-bloom product all season. Allow 8-10 weeks to rebloom after trimming (shorter in warm conditions, longer in cool).

NOTES:

# INVINCIBELLE WEE WHITE™

*Hydrangea arborescens* 'NCHA5'

ppaf, cbrf

Common name: smooth hydrangea



## Landscape Info:

|                 |                  |
|-----------------|------------------|
| USDA/AHS zones: | USDA 3/AHS 9     |
| Mature height:  | 1-2.5'/.3 -.76 m |
| Exposure:       | Part-full sun    |
| Irrigation:     | Moderate         |

## Features & Benefits:

- The most dwarf, compact *Hydrangea arborescens* ever – tight, rounded habit makes it extremely versatile in the landscape.
- Dense, rounded flower clusters start pure, crisp white and take on soft pink tones as they mature.
- Reblooming, flowers through frost.
- Native to North America

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## Cultural info:

| pH Level:           | 5.6 - 6.2                                 |                                  |
|---------------------|---|----------------------------------|
| Nutrient Needs:     | High                                      |                                  |
| EC (2:1 extract):   | 0.6 – 0.9                                 |                                  |
| Light Level:        | High                                      |                                  |
| Watering:           | Average                                   |                                  |
| Rooting Out Temp:   | 65 – 72° F/18.3 – 22.2° C                 |                                  |
| Overwintering Temp: | Polyhouse – no heat (where hardy)         |                                  |
| Sales Window:       | All season; blooms early summer, reblooms |                                  |
| Blooms On:          | New wood                                  |                                  |
| Trimming/pruning:   | Pinch or shear 2-4 times                  |                                  |
| Vernalization:      | Required                                  |                                  |
| Vigor Rating:       | Moderate to fast                          |                                  |
| Finish Size         | Liner Size                                | Weeks of Active Growth to Finish |
| 1 gallon            | 2 ¼"                                      | 6-10 (see notes)                 |
| 2 - 3 gallon        | Quick Turn                                | 14-18                            |

## Grower Tips:

- *Hydrangea arborescens* grows quickly so is best grown in 2 gallon containers or larger. However, 1 gallon plants can be produced quickly for same-season sales; any that do not sell can then be shifted to three or five gallon cans and turned in an additional 10-14 weeks.
- Dwarf variety finishes as quickly as other *Hydrangea arborescens* but will be a smaller plant.
- Trim 2-4 times during growing season. When dormant, cut back by a few inches to ensure a compact flush for sale.
- Flower color is not affected by soil pH.
- Applying B-Nine and Cycocell darkens foliage and encourages a dense, appealing habit for sale; proper timing is crucial for success, so consult our info sheet for details.
- The Invincibelle® series reblooms and can be cycle-pruned to ship in-bloom product all season. Allow 8-10 weeks to rebloom after trimming (shorter in warm conditions, longer in cool).

NOTES:

# INFINITINI WATERMELON™

*Lagerstroemia indica* 'G2X133181'

ppaf, cbraf

Common name: crapemyrtle



## Landscape Info:

|                 |                |
|-----------------|----------------|
| USDA/AHS zones: | USDA 6b/AHS 10 |
| Mature height:  | 2-4'/.6-1.2 m  |
| Exposure:       | Full sun       |
| Irrigation:     | Average        |

## Features & Benefits:

- Dwarf crapemyrtle with intense pink flowers all summer long.
- In USDA zone 6, plants may be killed to the ground, but will regrow and flower the same season.
- Low, wide habit lends itself to edging, containers, flower beds, and foundation planting.

**PW**  
PROVEN  
WINNERS®

COLOR CHOICE®  
FLOWERING SHRUBS

## Cultural info:

| pH Level:           | 5.6 - 6.2                             |                                  |
|---------------------|---------------------------------------|----------------------------------|
| Nutrient Needs:     | Average-high                          |                                  |
| EC (2:1 extract):   | 0.6 – 0.9                             |                                  |
| Light Level:        | High                                  |                                  |
| Watering:           | High                                  |                                  |
| Rooting Out Temp:   | 65 – 72° F/18.3 – 22.2° C             |                                  |
| Overwintering Temp: | 40 – 50° F/4.4 – 10° C                |                                  |
| Sales Window:       | All season (summer bloom, fall color) |                                  |
| Blooms On:          | New wood                              |                                  |
| Trimming/pruning:   | Trim 2-4 times                        |                                  |
| Vernalization:      | Not required                          |                                  |
| Vigor Rating:       | Fast                                  |                                  |
| Finish Size         | Liner Size                            | Weeks of Active Growth to Finish |
| 1 gallon            | 2 ¼"                                  | 8-10                             |
| 2 - 3 gallon        | Quick Turn                            | 10-12                            |

## Grower Tips:

- Very fast to produce.
- In zone 6, overwinter above freezing. In warmer climates, can be overwintered in a polyhouse with no heat.
- Trim often to create a full, dense, rounded container with lots of flowers. Avoid cutting into any thick stems.
- Can be cycle-pruned to ship in bloom through the season; allow 6-8 weeks after last trim for flower buds to form.
- Highly resistant to powdery mildew, but all cultural methods to avoid it should be implemented (proper spacing, water only in the mornings, provide good air circulation, clean up fallen foliage).
- Spider mites may be an issue; scout frequently and minimize heat and drought stress.

NOTES:

# At Last®

Rosa 'HORCOGJIL'  
pp#27,541, cbraf  
Common name: rose



| Landscape Info: |                 |
|-----------------|-----------------|
| USDA/AHS zones: | USDA 5/AHS 9    |
| Mature height:  | 2.5-3'/.76-.9 m |
| Exposure:       | Full sun        |
| Irrigation:     | Average         |

| Features & Benefits:   |
|--|
| <ul style="list-style-type: none"> <li>- The first disease-resistant landscape rose with old-fashioned flower form and fragrance.</li> <li>- Appealing orange blooms have a very high petal count and true rose fragrance.</li> <li>- Highly disease-resistant deep green foliage.</li> <li>- Ideal for landscaping as well as traditional flower gardens and perennial beds.</li> </ul> |



| Cultural info:      |                                  |                                  |
|---------------------|----------------------------------|----------------------------------|
| pH Level:           | 5.6 - 6.2                        |                                  |
| Nutrient Needs:     | Average - high                   |                                  |
| EC (2:1 extract):   | 0.6 – 0.9                        |                                  |
| Light Level:        | High                             |                                  |
| Watering:           | Average                          |                                  |
| Rooting Out Temp:   | 65 -72°/18.3 – 22.2° C           |                                  |
| Overwintering Temp: | Polyhouse, no heat (where hardy) |                                  |
| Sales Window:       | Spring-fall                      |                                  |
| Blooms On:          | New wood                         |                                  |
| Trimming/pruning:   | Trim 3-5 times                   |                                  |
| Vernalization:      | Beneficial                       |                                  |
| Vigor Rating:       | Average-fast                     |                                  |
| Finish Size         | Liner Size                       | Weeks of Active Growth to Finish |
| 1 gallon            | 2 ¼"                             | 10-12                            |
| 2 - 3 gallon        | Quick Turn                       | 12-14                            |

| Grower Tips:   |
|--|
| <ul style="list-style-type: none"> <li>• All roses benefit from frequent light trimming, which produces an attractive habit and encourages abundant bloom.</li> <li>• Will come out of winter fine in an unheated polyhouse; however, overwintering above freezing will help you ship in-bloom product earlier.</li> <li>• May be cycle-pruned for a continuous supply of in-bloom product to ship; Allow 6-8 weeks after a trim for flower buds to form. Keep well-watered and fertilized.</li> <li>• All Proven Winners roses are disease resistant in the landscape, but normal rose disease prevention methods – avoid overhead watering, clean up debris, etc. – are strongly recommended for the best crop.</li> <li>• Watch for aphids and spider mites.</li> </ul> |
| NOTES:   |

# OSO EASY® Hot Paprika

*Rosa 'FARROWRSP'*  
ppaf, cbraf  
Common name: rose



| Landscape Info: |              |
|-----------------|--------------|
| USDA/AHS zones: | USDA 3/AHS 9 |
| Mature height:  | 1-2'/.3-.6 m |
| Exposure:       | Full sun     |
| Irrigation:     | Average      |

| Features & Benefits: |  |
|----------------------|--|
| -                    | Disease resistant landscape rose is low maintenance and easy to grow.                  |
| -                    | Similar to the classic Oso Easy® Paprika, but with electric-orange flowers all summer. |
| -                    | Glossy, high quality foliage.  |
| -                    | Blooms early summer-fall without deadheading   |



| Cultural info:      |                                  |                                  |
|---------------------|----------------------------------|----------------------------------|
| pH Level:           | 5.6 - 6.2                        |                                  |
| Nutrient Needs:     | Average-high                     |                                  |
| EC (2:1 extract):   | 0.6 – 0.9                        |                                  |
| Light Level:        | High                             |                                  |
| Watering:           | Average                          |                                  |
| Rooting Out Temp:   | 65 – 72° F/18.3 – 22.2° C        |                                  |
| Overwintering Temp: | Polyhouse, no heat (where hardy) |                                  |
| Sales Window:       | Spring-fall                      |                                  |
| Blooms On:          | New wood                         |                                  |
| Trimming/pruning:   | Trim 3-5 times                   |                                  |
| Vernalization:      | Beneficial                       |                                  |
| Vigor Rating:       | Average-fast                     |                                  |
| Finish Size         | Liner Size                       | Weeks of Active Growth to Finish |
| 1 gallon            | 2 ¼"                             | 10-12                            |
| 2 - 3 gallon        | Quick Turn                       | 12-14                            |

| Grower Tips: |  |
|--------------|--|
| •            | Oso Easy roses benefit from frequent light trimming, which produces an attractive habit and encourages abundant bloom.   |
| •            | Will come out of winter fine in an unheated polyhouse; however, overwintering above freezing can help you ship in-bloom product earlier.   |
| •            | May be cycle-pruned for a continuous supply of in-bloom product to ship; Allow 6-8 weeks after a trim for flower buds to form. Keep well watered and fertilized.                                     |
| •            | Oso Easy roses are disease resistant in the landscape, but all normal rose disease prevention methods – avoid overhead watering, clean up debris, etc. – are strongly recommended for the best crop. |
| •            | Watch for aphids and spider mites.   |
| NOTES:       |  |



# BLOOMERANG® 'Pink Perfume'

*Syringa x 'Pink Perfume'*

pp#24,252, cbr#5054

Common name: reblooming lilac



| Landscape Info: |                |
|-----------------|----------------|
| USDA/AHS zones: | USDA 3/AHS 7   |
| Mature height:  | 4-5'/1.2-1.5 m |
| Exposure:       | Full sun       |
| Irrigation:     | Average        |

| Features & Benefits:   |
|--|
| <ul style="list-style-type: none"> <li>- A fragrant reblooming lilac with pink flowers.</li> <li>- Blooms in spring along with other lilacs, then reblooms late summer-fall.</li> <li>- Very disease-resistant; deer resistant as well.</li> <li>- A versatile landscape plant for cooler climates, though it has shown excellent heat performance as well.</li> </ul> |



| Cultural info:      |   |                                  |
|---------------------|---|----------------------------------|
| pH Level:           | 5.6 – 6.2                                 |                                  |
| Nutrient Needs:     | Average                                   |                                  |
| EC (2:1 extract):   | 0.6 – 0.9                                 |                                  |
| Light Level:        | Moderate-high                             |                                  |
| Watering:           | Moderate                                  |                                  |
| Rooting Out Temp:   | 65 – 72° F/18.3 – 22.2° C                 |                                  |
| Overwintering Temp: | Polyhouse, no heat (where hardy)          |                                  |
| Sales Window:       | All season; spring bloom w/summer rebloom |                                  |
| Blooms On:          | Old and new wood                          |                                  |
| Trimming/pruning:   | Trim 3-4 times                            |                                  |
| Vernalization:      | Required                                  |                                  |
| Vigor Rating:       | Average                                   |                                  |
| Finish Size         | Liner Size                                | Weeks of Active Growth to Finish |
| 1 gallon            | 2 ¼"                                      | 12-14                            |
| 2 - 3 gallon        | Quick Turn                                | 14-18                            |

| Grower Tips:   |
|--|
| <ul style="list-style-type: none"> <li>• Easy to ship in bloom for spring sales.</li> <li>• This is a vigorous variety that offers faster and easier production than other lilacs, even in warmer climates.</li> <li>• First and most abundant bloom is on old wood – spring or dormant pruning will remove all these flower buds. Allow 8-10 weeks after a trim for new wood flowers to develop.</li> <li>• Trim frequently during the first season to produce a densely branched, nicely rounded plant. This will result in the best in-bloom presentation the following season.</li> <li>• Though disease-resistant in the landscape, in production it should be carefully monitored for root diseases, especially rhizoctonia and phytophthora. Use a light, fast-draining growing media.</li> <li>• Powdery mildew may also occur; use all standard cultural practices to minimize or avoid.</li> </ul> |
| NOTES:   |