

DECADENCE® Dark Chocolate

Baptisia hybrid



Landscape Info:	
USDA zone:	4-9
Mature height:	3-3.5'
Exposure:	Part to Full Sun
Irrigation:	Average

Features & Benefits:
An improvement on 'Dutch Chocolate' with the same color flowers but with dramatically longer flower spikes.
Flower spikes are 2 – 3 times longer than Decadence 'Dutch Chocolate'.
Great for adding structure to the garden.

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Cultural info:		
pH/EC:	5.8-6.5/ 2.0-3.0 pour through method	
Fertilization:	100-150ppm	
Light Level:	Part to Full Sun	
Watering:	Average	
Rooting Out Temp:	55-60°F	
Growing Temp:	55-60°F	
Holding Temp:	40-50°F	
Sales Window:	Spring, Summer	
Pinching:	Do not pinch vernalized Baptisia	
Vernalization:	Requires 8-10 weeks below 40 degrees F	
Vigor Rating:	2	
Natural Day Flower:	Natural day length	
Finish Size	Liner/Pot	Weeks to Finish
Premium 1 Gallon	1 plug	Plant outdoors mid-summer
Premium 2 Gallon	1 plug	Plant outdoor late spring
Premium 2 Gallon Quick Turn	1 bare root	Late winter to spring 6-8 weeks

Grower Tips:
<ul style="list-style-type: none"> Bare root is the best choice for quick turn crops in spring. Eyes of bare root should be planted slightly below the soil line. Roots may be trimmed to fit the container. Vernalization is needed for flowering. Grow cold for best quality
Alternative growing process
<ul style="list-style-type: none"> Plant small plugs in early summer (June 1 Midwest) outdoors. Plugs should be planted with the top of plug ½ inch <u>below soil line</u>. Fresh potted plugs will grow like a groundcover until vernalized. Trimming may be necessary to control growth. Vernalization is needed for flowering. Grow cold for best quality
NOTES:

LAKOTA® Fire

Echinacea hybrid



Landscape Info:	
USDA zone:	4-9
Mature height:	10-12"
Exposure:	Part to Full Sun
Irrigation:	Average

Features & Benefits:
This colorful perennial produces large flowers ranging in color from pinkish red to orange red with a consistent height..
Attracts butterflies.
Formerly known as Lakota® Sante Fe

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Cultural info:		
pH/EC:	5.5-6.5/ 1.5-2.5	
Fertilization:	75-150ppm	
Light Level:	Full Sun	
Watering:	Average	
Rooting Out Temp:	65-70 °F days/50-60 °F nights	
Growing Temp:	65-70 °F days/50-60 °F nights	
Holding Temp:	40-50°F	
Sales Window:	Spring, Summer	
Pinching:	Not required	
Vernalization:	Beneficial	
Vigor Rating:	2	
Natural Day Flower:	Intermediate day (13-14 hours)	
Finish Size	Liner/Pot	Weeks to Finish
Quart	1	5-6
Trade 1 Gallon	1	7-9
Premium 1 Gallon	1	9-11

Grower Tips:
<ul style="list-style-type: none"> • Best in landscapes, can be used in containers. • Aphids and whiteflies can occasionally be problematic. • Most common diseases for echinacea are aster yellows, botrytis, fusarium crown and root rot, powdery mildew, and pythium. • Drench with a fungicide after transplant • No PGRs are normally needed • One of the earliest Echinacea to flower
NOTES:

DOLCE[®] Apple Twist

Heuchera hybrid



Landscape Info:	
USDA zone:	4-9
Mature height:	10-12"
Exposure:	Part to full Shade
Irrigation:	Average

Features & Benefits:
Newly emerging leaves have red veining that lighten to chartreuse yellow with wavy, rippled edges. Cream flowers.
Dense mound of heavily ruffled, scalloped foliage
Tight growth habit

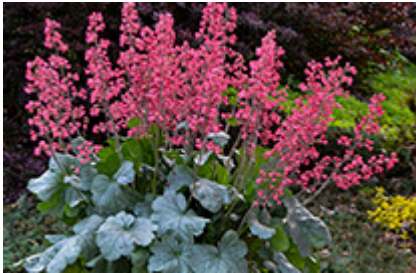
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Cultural info:		
pH/EC:	6.0-6.5/ 1.5-2.5 pour through method	
Fertilization:	100-150ppm	
Light Level:	Part to full Shade	
Watering:	Average	
Rooting Out Temp:	55-60°F	
Growing Temp:	55-65°F	
Holding Temp:	40-50°F	
Sales Window:	Spring, Summer, Fall, Winter	
Pinching:	Not required	
Vernalization:	Not required	
Vigor Rating:	2	
Natural Day Flower:	NA	
Finish Size	Liner/Pot	Weeks to Finish
Quart	1	5-6
Trade 1 Gallon	1	6-8
Premium 1 Gallon	1	8-10

Grower Tips:
<ul style="list-style-type: none"> For best foliage coloration, avoid scorching light. Very high light can scorch foliage. Light shade is essential for optimal growth. Plant small plugs in late summer/early fall or larger sized plugs in the spring. Finished spring plants can be moved outside to take advantage of cool temperatures for holding purposes and to allow cooler temperatures to deepend foliage color.
NOTES:

DOLCE[®] Spearmint

Heuchera hybrid



Landscape Info:	
USDA zone:	4-9
Mature height:	8-10"
Exposure:	Sun to shade
Irrigation:	Average

Features & Benefits:
Boasts both beautiful foliage and excellent flower performance.
Silvery green leaves have dark green veins and bicolor pink flowers.

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Cultural info:		
pH/EC:	6.0-6.5/ 1.5-2.5 pour through method	
Fertilization:	100-150ppm	
Light Level:	Part to full Shade	
Watering:	Average	
Rooting Out Temp:	55-60°F	
Growing Temp:	55-65°F	
Holding Temp:	40-50°F	
Sales Window:	Spring, Summer, Fall, Winter	
Pinching:	Not required	
Vernalization:	Not required	
Vigor Rating:	2	
Natural Day Flower:	NA	
Finish Size	Liner/Pot	Weeks to Finish
Quart	1	5-6
Trade 1 Gallon	1	6-8
Premium 1 Gallon	1	8-10

Grower Tips:
<ul style="list-style-type: none"> • For best foliage coloration, avoid scorching light. Very high light can scorch foliage. • Light shade is essential for optimal growth. • Plant small plugs in late summer/early fall or larger sized vernalized plugs in the spring for best flowering performance. • Finished spring plants can be moved outside to take advantage of cool temperatures for holding purposes and to allow cooler temperatures to deepen foliage color.
NOTES:

DOLCE® Cherry Truffles

Heuchera hybrid



Landscape Info:	
USDA zone:	4-9
Mature height:	8-10"
Exposure:	Sun to shade
Irrigation:	Average

Features & Benefits:
An improvement on CINNAMON CURLS™ with increased vigor and size. Bright red new leaves are heavily ruffled and form a low, mounding habit. Matures to mahogany red in summer.



Cultural info:		
pH/EC:	6.0-6.5/ 1.5-2.5 pour through method	
Fertilization:	100-150ppm	
Light Level:	Part to full Shade	
Watering:	Average	
Rooting Out Temp:	55-60°F	
Growing Temp:	55-65°F	
Holding Temp:	40-50°F	
Sales Window:	Spring, Summer, Fall, Winter	
Pinching:	Not required	
Vernalization:	Not required	
Vigor Rating:	2	
Natural Day Flower:	NA	
Finish Size	Liner/Pot	Weeks to Finish
Quart	1	5-6
Trade 1 Gallon	1	6-8
Premium 1 Gallon	1	8-10

Grower Tips:
<ul style="list-style-type: none"> • For best foliage coloration, avoid scorching light. Very high light can scorch foliage. • Light shade is essential for optimal growth. • Plant small plugs in late summer/early fall or larger sized plugs in the spring. • Finished spring plants can be moved outside to take advantage of cool temperatures for holding purposes and to allow cooler temperatures to deepen foliage color.
<p>NOTES:</p> <ul style="list-style-type: none"> • Better vigor and better over-wintering performance than 'Cinnamon Curls'

DOLCE[®] Wildberry

Heuchera hybrid



Landscape Info:	
USDA zone:	4-9
Mature height:	10-14"
Exposure:	Sun to shade
Irrigation:	Average

Features & Benefits:
The new standard in purple Heuchera! Large, scalloped, incredibly glossy leaves are a bold shade of purple and will hold the purple color for much of the season. Vigorous dense growth habit

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Cultural info:		
pH/EC:	6.0-6.5/ 1.5-2.5 pour through method	
Fertilization:	100-150ppm	
Light Level:	Part to full Shade	
Watering:	Average	
Rooting Out Temp:	55-60°F	
Growing Temp:	55-65°F	
Holding Temp:	40-50°F	
Sales Window:	Spring, Summer, Fall, Winter	
Pinching:	Not required	
Vernalization:	Not required	
Vigor Rating:	2	
Natural Day Flower:	NA	
Finish Size	Liner/Pot	Weeks to Finish
Quart	1	5-6
Trade 1 Gallon	1	6-8
Premium 1 Gallon	1	8-10

Grower Tips:
<ul style="list-style-type: none"> • For best foliage coloration, avoid scorching light. Very high light can scorch foliage. Provide afternoon shade in production. • Light shade is essential for optimal growth. • Plant small plugs in late summer/early fall or larger sized plugs in the spring. • Finished spring plants can be moved outside to take advantage of cool temperatures for holding purposes and to allow cooler temperatures to deepen foliage color.
NOTES:

PRIMO™ Peachberry Ice

Heuchera hybrid



Landscape Info:	
USDA zone:	4-9
Mature height:	8-10"
Exposure:	Part to full Shade
Irrigation:	Average

Features & Benefits:
Apricot orange leaves have a silver overlay with pronounced ruffling that reveal the bright pink undersides of the leaves. In warmer months, the bright color mellows.
Excellent choice for larger containers
Provides maximum garden impact in the landscape



Cultural info:		
pH/EC:	6.0-6.5/ 1.5-2.5 pour through method	
Fertilization:	100-150ppm	
Light Level:	Part to full Shade	
Watering:	Average	
Rooting Out Temp:	55-60°F	
Growing Temp:	55-65°F	
Holding Temp:	40-50°F	
Sales Window:	Spring, Summer, Fall, Winter	
Pinching:	Not required	
Vernalization:	Not required	
Vigor Rating:	2	
Natural Day Flower:	NA	
Finish Size	Liner/Pot	Weeks to Finish
Quart	1	5-6
Trade 1 Gallon	1	6-8
Premium 1 Gallon	1	8-10

Grower Tips:
<ul style="list-style-type: none"> • For best foliage coloration, avoid scorching light. Very high light can scorch foliage. • Light shade is essential for optimal growth. • Plant small plugs in late summer/early fall or larger sized plugs in the spring. • Finished spring plants can be moved outside to take advantage of cool temperatures for holding purposes and to allow cooler temperatures to deepen foliage color.
NOTES:

PRIMO™ Mahogany Monster

Heuchera hybrid



Landscape Info:	
USDA zone:	4-9
Mature height:	12-16"
Exposure:	Sun to shade
Irrigation:	Average

Features & Benefits:
Massive glossy, mahogany red leaves form a substantial clump of foliage.
Tall, sturdy flower scapes with creamy white flowers.

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Cultural info:		
pH/EC:	6.0-6.5/ 1.5-2.5 pour through method	
Fertilization:	100-150ppm	
Light Level:	Part to full Shade	
Watering:	Average	
Rooting Out Temp:	55-60°F	
Growing Temp:	55-65°F	
Holding Temp:	40-50°F	
Sales Window:	Spring, Summer, Fall, Winter	
Pinching:	Not required	
Vernalization:	Not required	
Vigor Rating:	2	
Natural Day Flower:	NA	
Finish Size	Liner/Pot	Weeks to Finish
Quart	1	5-6
Trade 1 Gallon	1	6-8
Premium 1 Gallon	1	8-10

Grower Tips:
<ul style="list-style-type: none"> For best foliage coloration, avoid scorching light. Very high light can scorch foliage. Light shade is essential for optimal growth. Finished spring plants can be moved outside to take advantage of cool temperatures for holding purposes and to allow cooler temperatures to deepen foliage color.
NOTES:

SUMMERIFIC® Holy Grail

Hibiscus hybrid



Landscape Info:	
USDA zone:	4-9
Mature height:	4-4.5'
Exposure:	Part to Full Sun
Irrigation:	Average

Features & Benefits:
Incredibly dark, near-black foliage with beautiful, oval-shaped leaves. 8-9" rich deep red flowers.
Perfectly compact habit.
Best dark leafed, red flowering hibiscus.
Flower coverage from the top of the plant to the ground!

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Cultural info:		
pH/EC:	5.8-6.2/ 2.5-3.5 pour through method	
Fertilization:	150-200ppm	
Light Level:	Full Sun	
Watering:	Average to moist	
Rooting Out Temp:	68-75°F	
Growing Temp:	68-75°F	
Holding Temp:	60-70°F	
Sales Window:	Late Spring, Summer	
Pinching:	Beneficial	
Vernalization:	Not required	
Vigor Rating:	3	
Natural Day Flower:	Long days required	
Finish Size	Liner/Pot	Weeks to Finish
Premium 1 Gallon	1	Plug 10-12 weeks
Premium 2 Gallon	1	Bare root 10-12 weeks
Premium 3 Gallon	1	Bare root 12-14 weeks

Grower Tips:
<ul style="list-style-type: none"> Bare root is the best option to produce full 2 and 3 gallon containers. Plant bare root outdoors in direct sunlight for best results once the threat of frost has passed. Plugs are best planted in a warm greenhouse due to the young tender growth that may be sensitive to the cold. Move outdoors once the threat of frost has passed. Pinch plants once they form 3-5 nodes. This helps improve the branching and overall habit. 7 days after pinching, apply a PGR such as uniconazole as a drench at 1-2 ppm or as a spray at 5-8 ppm. Hibiscus are heavy feeders and should be feed a high rate of CRF or 150 – 200 ppm N at each watering.
<p>NOTES:</p> <p>Provide consistent soil moisture! Do not allow the plant to dry down.</p>

SHADOWLAND® Diamond Lake

Hosta hybrid



Landscape Info:	
USDA zone:	3-9
Mature height:	17"
Exposure:	Part to full Shade
Irrigation:	Average

Features & Benefits:
A large blue hosta with heart-shaped, thick, heavily corrugated leaves and wavy margins. Pale lavender flowers in early to midsummer.
Very vigorous

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Cultural info:		
pH/EC:	5.8-6.5/ 1.5-2.0 pour through method	
Fertilization:	50-75 ppm	
Light Level:	Part to full Shade	
Watering:	Average	
Rooting Out Temp:	55-60°F	
Growing Temp:	55-65°F	
Holding Temp:	40-50°F	
Sales Window:	Spring, Summer	
Pinching:	No	
Vernalization:	Required 10-12 weeks	
Vigor Rating:	3	
Natural Day Flower:	Long Days for peak blooming and growth	
Finish Size	Liner/Pot	Weeks to Finish
Quart	1	7-8
Trade 1 Gallon	1	8-10
Premium 1 Gallon	1	10-12
2-3 Gallon	1	16-18

Grower Tips:
<ul style="list-style-type: none"> The top of the liner should be planted 1/4 of an inch below the soil level. The liner must be covered by soil or water management becomes problematic. Most Hosta will work with 1 gallon or larger containers. Container sizes larger than one gallon will generally require bulking one year and sales the next year. NOTES: For best results we recommend potting Hosta in late spring to bulk for the following season. Hosta vary greatly in size and vigor and you should be sure to choose appropriately for your target finish market and container size. If you are targeting 2 gallon or larger size, Empress Wu, Wu-La-La, Diamond Lake, Hudson Bay and Seducer will be the best choices. A minimum of 30% shade should be provided in the late spring and throughout summer. Vernalization requirements vary somewhat for each variety, however, in general 40 to 45 degrees or less ADT for 8 to 12 weeks is sufficient. True leaf characteristics are expressed only with vernalization.

SHADOWLAND® Wu-La-La

Hosta hybrid



Landscape Info:	
USDA zone:	3-9
Mature height:	3-4'
Exposure:	Part to full Shade
Irrigation:	Average

Features & Benefits:
A sport of the popular 'Empress Wu', but with a striking apple-green margin. This will take some years (5 – 6) to reach full maturity.

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Cultural info:		
pH/EC:	5.8-6.5/ 1.5-2.0 pour through method	
Fertilization:	50-75 ppm	
Light Level:	Part to full Shade	
Watering:	Average	
Rooting Out Temp:	55-60°F	
Growing Temp:	55-65°F	
Holding Temp:	40-50°F	
Sales Window:	Spring, Summer	
Pinching:	No	
Vernalization:	Required 10-12 weeks	
Vigor Rating:	3	
Natural Day Flower:	Long Days for peak blooming and growth	
Finish Size	Liner/Pot	Weeks to Finish
Quart	1	7-8
Trade 1 Gallon	1	8-10
Premium 1 Gallon	1	10-12
2-3 Gallon	1	16-18

Grower Tips:
<ul style="list-style-type: none"> The top of the liner should be planted 1/4 of an inch below the soil level. The liner must be covered by soil or water management becomes problematic. Most Hosta will work with 1 gallon or larger containers. Container sizes larger than one gallon will generally require bulking one year and sales the next year. NOTES: For best results we recommend potting Hosta in late spring to bulk for the following season. Hosta vary greatly in size and vigor and you should be sure to choose appropriately for your target finish market and container size. If you are targeting 2 gallon or larger size, Empress Wu, Wu-La-La, Diamond Lake, Hudson Bay and Seducer will be the best choices. A minimum of 30% shade should be provided in the late spring and throughout summer. Vernalization requirements vary somewhat for each variety, however, in general 40 to 45 degrees or less ADT for 8 to 12 weeks is sufficient. True leaf characteristics are expressed only with vernalization.

SHADOWLAND® Etched Glass

Hosta hybrid



Landscape Info:	
USDA zone:	3-9
Mature height:	18"
Exposure:	Part to full Shade
Irrigation:	Average

Features & Benefits:
A sport of 'Stained Glass' with wider margins and thicker leaves. Wide, dark green margins and a brilliant yellow center.
Margins will pucker when mature.
Very heavy leaf substance.
Fragrant flowers

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Cultural info:		
pH/EC:	5.8-6.5/ 1.5-2.0 pour through method	
Fertilization:	50-75 ppm	
Light Level:	Part to full Shade	
Watering:	Average	
Rooting Out Temp:	55-60°F	
Growing Temp:	55-65°F	
Holding Temp:	40-50°F	
Sales Window:	Spring, Summer	
Pinching:	No	
Vernalization:	Beneficial Required 10-12 weeks	
Vigor Rating:	3	
Natural Day Flower:	Long Days for peak blooming and growth	
Finish Size	Liner/Pot	Weeks to Finish
Quart	1	7-8
Trade 1 Gallon	1	8-10
Premium 1 Gallon	1	10-12
2-3 Gallon	1	16-18

Grower Tips:
<ul style="list-style-type: none"> The top of the liner should be planted 1/4 of an inch below the soil level. The liner must be covered by soil or water management becomes problematic. Most Hosta will work with 1 gallon or larger containers. Container sizes larger than one gallon will generally require bulking one year and sales the next year. NOTES: For best results we recommend potting Hosta in late spring to bulk for the following season. Hosta vary greatly in size and vigor and you should be sure to choose appropriately for your target finish market and container size. If you are targeting 2 gallon or larger size, Empress Wu, Wu-La-La, Diamond Lake, Hudson Bay and Seducer will be the best choices. A minimum of 30% shade should be provided in the late spring and throughout summer. Vernalization requirements vary somewhat for each variety, however, in general 40 to 45 degrees or less ADT for 8 to 12 weeks is sufficient. True leaf characteristics are expressed only with vernalization.

PYROMANIA™ Hot and Cold

Kniphofia hybrid



Landscape Info:	
USDA zone:	5b-9
Mature height:	2.5-3'
Exposure:	Full sun
Irrigation:	Average

Features & Benefits:
Bicolor flowers with tangerine orange buds and creamy white flowers. Overwinters to zone 5b with protection. Reblooming extends the color late into the season.

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Cultural info:		
pH/EC:	5.8-6.2 / 2.0-2.5 pour through method	
Fertilization:	75 – 100 ppm	
Light Level:	Full Sun	
Watering:	Average	
Rooting Out Temp:	55 - 60	
Growing Temp:	60 - 65	
Holding Temp:	50 - 60	
Sales Window:	Late spring through summer	
Pinching:	Not Required	
Vernalization:	Not Required	
Vigor Rating:	2	
Natural Day Flower:	Long days required	
Finish Size	Liner/Pot	Weeks to Finish
Trade 1 Gallon	1	10-12
Premium 1 Gallon	1	8-12 bare root
2-3 Gallon	1	10-12 bare root

Grower Tips:
<ul style="list-style-type: none"> Best in landscapes, however they can be used in containers.
Planting Options:
<ul style="list-style-type: none"> Plant 72 cell liners in early summer as plants require high light levels and heat to bulk up; these plants will be for late summer sales (12 – 14 weeks from planting).
OR
<ul style="list-style-type: none"> Plant bare root Kniphofia in spring, these plants can be sold that same season (8 – 12 weeks from planting).
<ul style="list-style-type: none"> Flowering early to mid-July Although not problematic keep an eye out for crown rot, leaf spots, and rust. No pinching or growth regulators necessary if grown outdoors. If growing in a greenhouse, plants can be trimmed during production to increase fullness and decrease height, but no more than 1/2 way (height) back.
NOTES:

PYROMANIA™ Orange Blaze

Kniphofia hybrid



Landscape Info:	
USDA zone:	5b-9
Mature height:	2-2.5'
Exposure:	Full sun
Irrigation:	Average

Features & Benefits:
One of the most compact of the collection with bright orange flowers. Overwinters to 5b with protection. Reblooming extends the color late into the season.



Cultural info:		
pH/EC:	5.8-6.2 / 2.0-2.5 pour through method	
Fertilization:	75 – 100 ppm	
Light Level:	Full Sun	
Watering:	Average	
Rooting Out Temp:	55 - 60	
Growing Temp:	60 - 65	
Holding Temp:	50 - 60	
Sales Window:	Late spring through summer	
Pinching:	Not Required	
Vernalization:	Not Required	
Vigor Rating:	2	
Natural Day Flower:	Long days required	
Finish Size	Liner/Pot	Weeks to Finish
Trade 1 Gallon	1	10-12
Premium 1 Gallon	1	8-12 bare root
2-3 Gallon	1	10-12 bare root

Grower Tips:
<ul style="list-style-type: none"> Best in landscapes, however they can be used in containers.
Planting Options:
<ul style="list-style-type: none"> Plant 72 cell liners in early summer as plants require high light levels and heat to bulk up; these plants will be for late summer sales (12 – 14 weeks from planting).
OR
<ul style="list-style-type: none"> Plant bare root Kniphofia in spring, these plants can be sold that same season (8 – 12 weeks from planting).
<ul style="list-style-type: none"> Flowering early to mid-July Although not problematic keep an eye out for crown rot, leaf spots, and rust. No pinching or growth regulators necessary if grown outdoors. If growing in a greenhouse, plants can be trimmed during production to increase fullness and decrease height, but no more than 1/2 way (height) back.
NOTES::

PYROMANIA™ Rocket's Red Glare

Kniphofia hybrid



Landscape Info:	
USDA zone:	6-9
Mature height:	2.5-3'
Exposure:	Full sun
Irrigation:	Average

Features & Benefits:
Vibrant deep red buds open to creamy peach flowers. Overwinters to zone 6 (note it is <u>less hardy</u> than the rest of collection). Reblooming extends the color late into the season.



Cultural info:		
pH/EC:	5.8-6.2 / 2.0-2.5 pour through method	
Fertilization:	75 – 100 ppm	
Light Level:	Full Sun	
Watering:	Average	
Rooting Out Temp:	55 - 60	
Growing Temp:	60 - 65	
Holding Temp:	50 - 60	
Sales Window:	Late spring through summer	
Pinching:	Not Required	
Vernalization:	Not Required	
Vigor Rating:	2	
Natural Day Flower:	Long days required	
Finish Size	Liner/Pot	Weeks to Finish
Trade 1 Gallon	1	10-12
Premium 1 Gallon	1	8-12 bare root
2-3 Gallon	1	10-12 bare root

Grower Tips:
<ul style="list-style-type: none"> Best in landscapes, however they can be used in containers.
Planting Options:
<ul style="list-style-type: none"> Plant 72 cell liners in early summer as plants require high light levels and heat to bulk up; these plants will be for late summer sales (12 – 14 weeks from planting).
OR
<ul style="list-style-type: none"> Plant bare root Kniphofia in spring, these plants can be sold that same season (8 – 12 weeks from planting).
<ul style="list-style-type: none"> Flowering early to mid-July Although not problematic keep an eye out for crown rot, leaf spots, and rust. No pinching or growth regulators necessary if grown outdoors. If growing in a greenhouse, plants can be trimmed during production to increase fullness and decrease height, but no more than 1/2 way (height) back.
NOTES:

PYROMANIA™ Backdraft

Kniphofia hybrid



Landscape Info:	
USDA zone:	5b-9
Mature height:	2.5-3'
Exposure:	Full sun
Irrigation:	Average

Features & Benefits:
Intense reddish orange flowers open to peachy yellow for a two-tone effect. Overwinters to 5b with protection. Reblooming extends the color late into the season.

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Cultural info:		
pH/EC:	5.8-6.2 / 2.0-2.5 pour through method	
Fertilization:	75 – 100 ppm	
Light Level:	Full Sun	
Watering:	Average	
Rooting Out Temp:	55 - 60	
Growing Temp:	60 - 65	
Holding Temp:	50 - 60	
Sales Window:	Late spring through summer	
Pinching:	Not Required	
Vernalization:	Not Required	
Vigor Rating:	2	
Natural Day Flower:	Long days required	
Finish Size	Liner/Pot	Weeks to Finish
Trade 1 Gallon	1	10-12
Premium 1 Gallon	1	8-12 bare root
2-3 Gallon	1	10-12 bare root

Grower Tips:
<ul style="list-style-type: none"> Best in landscapes, however they can be used in containers.
Planting Options:
<ul style="list-style-type: none"> Plant 72 cell liners in early summer as plants require high light levels and heat to bulk up; these plants will be for late summer sales (12 – 14 weeks from planting).
OR
<ul style="list-style-type: none"> Plant bare root Kniphofia in spring, these plants can be sold that same season (8 – 12 weeks from planting).
<ul style="list-style-type: none"> Flowering early to mid-July Although not problematic keep an eye out for crown rot, leaf spots, and rust. No pinching or growth regulators necessary if grown outdoors. If growing in a greenhouse, plants can be trimmed during production to increase fullness and decrease height, but no more than 1/2 way (height) back.
NOTES:

PYROMANIA™ Flashpoint

Kniphofia hybrid



Landscape Info:	
USDA zone:	5b-9
Mature height:	4-4.5'
Exposure:	Full sun
Irrigation:	Average

Features & Benefits:
Chartreuse yellow buds mature to creamy white as flowers open. Late season. Overwinters to 5b with protection. Reblooming extends the color late into the season.

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Cultural info:		
pH/EC:	5.8-6.2 / 2.0-2.5 pour through method	
Fertilization:	75 – 100 ppm	
Light Level:	Full Sun	
Watering:	Average	
Rooting Out Temp:	55 - 60	
Growing Temp:	60 - 65	
Holding Temp:	50 - 60	
Sales Window:	Late spring through summer	
Pinching:	Not Required	
Vernalization:	Not Required	
Vigor Rating:	2	
Natural Day Flower:	Long days required	
Finish Size	Liner/Pot	Weeks to Finish
Trade 1 Gallon	1	10-12
Premium 1 Gallon	1	8-12 bare root
2-3 Gallon	1	10-12 bare root

Grower Tips:
<ul style="list-style-type: none"> Best in landscapes, however they can be used in containers.
Planting Options:
<ul style="list-style-type: none"> Plant 72 cell liners in early summer as plants require high light levels and heat to bulk up; these plants will be for late summer sales (12 – 14 weeks from planting).
OR
<ul style="list-style-type: none"> Plant bare root Kniphofia in spring, these plants can be sold that same season (8 – 12 weeks from planting).
<ul style="list-style-type: none"> Flowering early to mid-July Although not problematic keep an eye out for crown rot, leaf spots, and rust. No pinching or growth regulators necessary if grown outdoors. If growing in a greenhouse, plants can be trimmed during production to increase fullness and decrease height, but no more than 1/2 way (height) back.
NOTES:

PYROMANIA™ Solar Flare

Kniphofia hybrid



Landscape Info:	
USDA zone:	5b-9
Mature height:	3-3.5'
Exposure:	Full sun
Irrigation:	Average

Features & Benefits:
Bright sunny yellow flowers. Overwinters to 5b with protection. Reblooming extends the color late into the season.



Cultural info:		
pH/EC:	5.8-6.2 / 2.0-2.5 pour through method	
Fertilization:	75 – 100 ppm	
Light Level:	Full Sun	
Watering:	Average	
Rooting Out Temp:	55 - 60	
Growing Temp:	60 - 65	
Holding Temp:	50 - 60	
Sales Window:	Late spring through summer	
Pinching:	Not Required	
Vernalization:	Not Required	
Vigor Rating:	2	
Natural Day Flower:	Long days required	
Finish Size	Liner/Pot	Weeks to Finish
Trade 1 Gallon	1	10-12
Premium 1 Gallon	1	8-12 bare root
2-3 Gallon	1	10-12 bare root

Grower Tips:
<ul style="list-style-type: none"> Best in landscapes, however they can be used in containers.
Planting Options:
<ul style="list-style-type: none"> Plant 72 cell liners in early summer as plants require high light levels and heat to bulk up; these plants will be for late summer sales (12 – 14 weeks from planting).
OR
<ul style="list-style-type: none"> Plant bare root Kniphofia in spring, these plants can be sold that same season (8 – 12 weeks from planting).
<ul style="list-style-type: none"> Flowering early to mid-July Although not problematic keep an eye out for crown rot, leaf spots, and rust. No pinching or growth regulators necessary if grown outdoors. If growing in a greenhouse, plants can be trimmed during production to increase fullness and decrease height, but no more than 1/2 way (height) back.
NOTES:

Leading Lady Orchid

Monarda hybrid



Landscape Info:	
USDA zone:	4-8
Mature height:	10-14"
Exposure:	Part sun to sun
Irrigation:	Average

Features & Benefits:
A new color for the Leading Lady Monarda. Blooms 2 weeks earlier than the typical Monarda didyma.
Orchid pink flowers with light pink interiors (bicolor effect).
Attracts butterflies and hummingbirds.

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Cultural info:		
pH/EC:	5.8-6.5/ 1.5-2.5 pour through method	
Fertilization:	100-150ppm	
Light Level:	Sun	
Watering:	Average	
Rooting Out Temp:	60-65°F	
Growing Temp:	55-65°F	
Holding Temp:	50-60°F	
Sales Window:	Spring, Summer	
Pinching:	Not required	
Vernalization:	Required	
Vigor Rating:	3	
Natural Day Flower:	Natural day lengths	
Finish Size	Liner/Pot	Weeks to Finish
Trade 1 Gallon	1	8-10 weeks (spring plug)
Premium 1 Gallon	1	6-8 weeks bare root
Premium 2 Gallon	1	10-12 bare root

Grower Tips:
<ul style="list-style-type: none"> Plant small plugs in late summer for bulking purposes. Large plugs are best for quick turn spring crops or larger containers such as premium one gallon. Plant crown even with soil line. Aphids, thrips, and spider mites can be found on Penstemon. Crown and root rots can be problematic if grown under improper conditions. A fungicide drench is recommended after planting bare root. High light levels produce the best looking plants. Direct sunlight outdoors is best for achieving the proper foliage color. Flowers under natural daylengths.
NOTES:

Cat's Pajamas

Nepeta hybrid



Landscape Info:	
USDA zone:	3-8
Mature height:	12-14"
Exposure:	Sun
Irrigation:	Average

Features & Benefits:
A new catmint that's about half the height of 'Cat's Meow' and blooms about two weeks earlier.
Ball-shaped habit carried large, dark flower stems of indigo blue flowers.
Flowers from top to bottom of the plant
Attracts butterflies and hummingbirds.

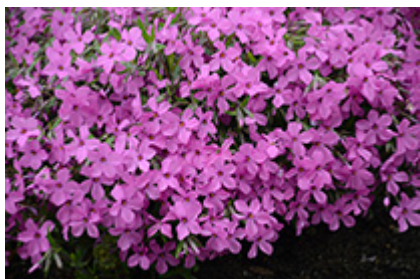
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Cultural info:		
pH/EC:	5.8-6.5/ 1.5-2.5 pour through method	
Fertilization:	100-150ppm	
Light Level:	Sun	
Watering:	Average	
Rooting Out Temp:	60-65°F	
Growing Temp:	55-65°F	
Holding Temp:	50-60°F	
Sales Window:	Spring, Summer	
Pinching:	Not required	
Vernalization:	Required	
Vigor Rating:	3	
Natural Day Flower:	Natural day lengths	
Finish Size	Liner/Pot	Weeks to Finish
Trade 1 Gallon	1	8-10 weeks (spring plug)
Premium 1 Gallon	1	6-8 weeks bare root
Premium 2 Gallon	1	10-12 bare root

Grower Tips:
<ul style="list-style-type: none"> Plant small plugs in late summer for bulking purposes. Large plugs are best for quick turn spring crops or larger containers. Plant crown even with soil line. Aphids, thrips, and spider mites can be found on Penstemon. Crown and root rots can be problematic if grown under improper conditions. A fungicide drench is recommended after planting bare root. High light levels produce the best looking plants. Direct sunlight outdoors is best for achieving the proper foliage color. Flowers under natural daylengths. If height control is needed, apply B-nine at 2500 ppm or Bonzi at 5-10 ppm
NOTES:

Magenta Sprite

Phlox hybrid



Landscape Info:	
USDA zone:	3-8
Mature height:	6-8"
Exposure:	Full sun
Irrigation:	Average

Features & Benefits:
A new groundcover Phlox for spring! Does not spread aggressively, but more of a clumping, mounding habit of star-shaped flowers. Magenta pink flowers. Best in full sun, but more tolerant of shade than most Phlox.

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Cultural info:		
pH/EC:	5.8-6.5/ 2.0-3.0 pour through method	
Fertilization:	100-150ppm	
Light Level:	Part to Full Sun	
Watering:	Moderate	
Rooting Out Temp:	65-70°F	
Growing Temp:	55-65°F	
Holding Temp:	40-50°F	
Sales Window:	Spring, Summer	
Pinching:	Beneficial	
Vernalization:	Beneficial	
Vigor Rating:	2	
Natural Day Flower:	Long Days for peak blooming	
Finish Size	Liner/Pot	Weeks to Finish
Quart	1	6-8 weeks (plug)
Trade 1 Gallon	1	8-10 weeks (plug)
Premium 1 Gallon	1	10-12 weeks (plug)

Grower Tips:
<ul style="list-style-type: none"> • Best in landscapes, can be used in containers. • It is best to plant small plugs in mid to late summer. The results will be a much fuller plant in spring with better flower performance. • Grow under high light. Long days will enhance growth. • Treat with preventative broad spectrum fungicidal drench at one week after transplant. Scout crops regularly. • Watch for aphids, spider mites and whiteflies; scout and treat as needed. Good air circulation, high light levels and watering in the morning will help decrease disease incidence. • Vernalization will increase plant vigor, decrease time to flower and improve uniformity of flowering. Provide 7-9 weeks of cold.
<p>NOTES:</p> <p>Taller and later blooming than Phlox subulata</p>

Purple Sprite

Phlox hybrid



Landscape Info:	
USDA zone:	3-8
Mature height:	6-8"
Exposure:	Full sun
Irrigation:	Average

Features & Benefits:
A new groundcover Phlox for spring! Does not spread aggressively, but more of a clumping, mounding habit of star-shaped flowers. Bright purple flowers with a tiny white halo at the center. Best in full sun, but more tolerant of shade than most Phlox.

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Cultural info:		
pH/EC:	5.8-6.5/ 2.0-3.0 pour through method	
Fertilization:	100-150ppm	
Light Level:	Part to Full Sun	
Watering:	Moderate	
Rooting Out Temp:	65-70°F	
Growing Temp:	55-65°F	
Holding Temp:	40-50°F	
Sales Window:	Spring, Summer	
Pinching:	Beneficial	
Vernalization:	Beneficial	
Vigor Rating:	2	
Natural Day Flower:	Long Days for peak blooming	
Finish Size	Liner/Pot	Weeks to Finish
Quart	1	6-8 weeks (plug)
Trade 1 Gallon	1	8-10 weeks (plug)
Premium 1 Gallon	1	10-12 weeks (plug)

Grower Tips:
<ul style="list-style-type: none"> • Best in landscapes, can be used in containers. • It is best to plant small plugs in mid to late summer. The results will be a much fuller plant in spring with better flower performance. • Grow under high light. Long days will enhance growth. • Treat with preventative broad spectrum fungicidal drench at one week after transplant. Scout crops regularly. • Watch for aphids, spider mites and whiteflies; scout and treat as needed. Good air circulation, high light levels and watering in the morning will help decrease disease incidence. • Vernalization will increase plant vigor, decrease time to flower and improve uniformity of flowering. Provide 7-9 weeks of cold.
<p>NOTES:</p> <p>Taller and later blooming than Phlox subulata</p>

Rose Sprite

Phlox hybrid



Landscape Info:	
USDA zone:	3-8
Mature height:	6-8"
Exposure:	Full sun
Irrigation:	Average

Features & Benefits:
A new groundcover Phlox for spring! Does not spread aggressively, but more of a clumping, mounding habit of star-shaped flowers. Rose pink flowers with a tiny white halo in the center. Best in full sun, but more tolerant of shade than most Phlox.

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Cultural info:		
pH/EC:	5.8-6.5/ 2.0-3.0 pour through method	
Fertilization:	100-150ppm	
Light Level:	Part to Full Sun	
Watering:	Moderate	
Rooting Out Temp:	65-70°F	
Growing Temp:	55-65°F	
Holding Temp:	40-50°F	
Sales Window:	Spring, Summer	
Pinching:	Beneficial	
Vernalization:	Beneficial	
Vigor Rating:	2	
Natural Day Flower:	Long Days for peak blooming	
Finish Size	Liner/Pot	Weeks to Finish
Quart	1	6-8 weeks (plug)
Trade 1 Gallon	1	8-10 weeks (plug)
Premium 1 Gallon	1	10-12 weeks (plug)

Grower Tips:
<ul style="list-style-type: none"> • Best in landscapes, can be used in containers. • It is best to plant small plugs in mid to late summer. The results will be a much fuller plant in spring with better flower performance. • Grow under high light. Long days will enhance growth. • Treat with preventative broad spectrum fungicidal drench at one week after transplant. Scout crops regularly. • Watch for aphids, spider mites and whiteflies; scout and treat as needed. Good air circulation, high light levels and watering in the morning will help decrease disease incidence. • Vernalization will increase plant vigor, decrease time to flower and improve uniformity of flowering. Provide 7-9 weeks of cold.
<p>NOTES:</p> <p>Taller and later blooming than Phlox subulata</p>

COLOR SPIRES® Indigo Girl

Salvia hybrid



Landscape Info:	
USDA zone:	3-8
Mature height:	20-22"
Exposure:	Sun
Irrigation:	Average

Features & Benefits:
A new color for Color Spires and the darkest of the series to date. Intermediate between <i>S. nemorosa</i> and <i>S. pratensis</i> . Indigo blue flowers held in dark calyxes.



Cultural info:		
pH/EC:	5.8-6.2/ 2.0-3.0 pour through method	
Fertilization:	50-75 ppm at each watering	
Light Level:	Sun	
Watering:	Average	
Rooting Out Temp:	55-65°F	
Growing Temp:	55-65°F	
Holding Temp:	40-50°F	
Sales Window:	Spring, Summer	
Pinching:	Beneficial	
Vernalization:	Beneficial	
Vigor Rating:	3	
Natural Day Flower:	Long Days for peak blooming	
Finish Size	Liner/Pot	Weeks to Finish
Quart	1	5-6
Trade 1 Gallon	1	8-10
Premium 1 Gallon	1	6-8 weeks (bare root)

Grower Tips:
<ul style="list-style-type: none"> Plant small plugs in late summer for spring sales. Bare root is the best option for a quick turn spring crop. Pests & Diseases: Aphids, Thrips, and Spider mites. Watch for crown and root rot if grown too wet. It is beneficial to pinch plants from plugs to increase lateral branching. For height control use B-Nine at 2500 ppm 2-3 times at weekly intervals.
NOTES:

Perfect Profusion

Salvia nemorosa



Landscape Info:	
USDA zone:	3-8
Mature height:	14-16"
Exposure:	Sun
Irrigation:	Average

Features & Benefits:
The best series for consistent rebloom. If spent flowers are sheared back, The Profusion Salvias will throw up many new flower spikes and bloom throughout the summer.
Soft icy blue flowers.



Cultural info:		
pH/EC:	5.8-6.2/ 2.0-3.0 pour through method	
Fertilization:	50-75 ppm at each watering	
Light Level:	Sun	
Watering:	Average	
Rooting Out Temp:	55-65°F	
Growing Temp:	55-65°F	
Holding Temp:	40-50°F	
Sales Window:	Spring, Summer	
Pinching:	Beneficial	
Vernalization:	Beneficial	
Vigor Rating:	3	
Natural Day Flower:	Long Days for peak blooming	
Finish Size	Liner/Pot	Weeks to Finish
Quart	1	5-6
Trade 1 Gallon	1	8-10
Premium 1 Gallon	1	6-8 weeks (bare root)

Grower Tips:
<ul style="list-style-type: none"> Plant small plugs in late summer for spring sales. Bare root is the best option for a quick turn spring crop. Pests & Diseases: Aphids, Thrips, and Spider mites. Watch for crown and root rot if grown too wet. It is beneficial to pinch plants from plugs to increase lateral branching. For height control use B-Nine at 2500 ppm 2-3 times at weekly intervals.
NOTES:

Violet Profusion

Salvia hybrid



Landscape Info:	
USDA zone:	3-8
Mature height:	14-16"
Exposure:	Sun
Irrigation:	Average

Features & Benefits:
The best series for consistent rebloom. If spent flowers are sheared back, The Profusion Salvias will throw up many new flower spikes and bloom throughout the summer.
Violet blue flowers are held on rosy purple calyxes.

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Cultural info:		
pH/EC:	5.8-6.2/ 2.0-3.0 pour through method	
Fertilization:	50-75 ppm at each watering	
Light Level:	Sun	
Watering:	Average	
Rooting Out Temp:	55-65°F	
Growing Temp:	55-65°F	
Holding Temp:	40-50°F	
Sales Window:	Spring, Summer	
Pinching:	Beneficial	
Vernalization:	Beneficial	
Vigor Rating:	3	
Natural Day Flower:	Long Days for peak blooming	
Finish Size	Liner/Pot	Weeks to Finish
Quart	1	5-6
Trade 1 Gallon	1	8-10
Premium 1 Gallon	1	6-8 weeks (bare root)

Grower Tips:
<ul style="list-style-type: none"> Plant small plugs in late summer for spring sales. Bare root is the best option for a quick turn spring crop. Pests & Diseases: Aphids, Thrips, and Spider mites. Watch for crown and root rot if grown too wet. It is beneficial to pinch plants from plugs to increase lateral branching. For height control use B-Nine at 2500 ppm 2-3 times at weekly intervals.
NOTES:

ROCK 'N GROW® Bundle of Joy

Sedum hybrid



Landscape Info:	
USDA zone:	3-9
Mature height:	10-12"
Exposure:	Full sun
Irrigation:	Low

Features & Benefits:
A sport of 'Pure Joy' with the same beloved habit and garden performance but with white flowers. Bundle of Joy creates a dense mound of solid flower coverage.

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Cultural info:		
pH/EC:	5.8-6.5/ 2.0-3.5 pour through method	
Fertilization:	100-200ppm	
Light Level:	Full Sun	
Watering:	Moderate	
Rooting Out Temp:	70-75°F	
Growing Temp:	55-65°F	
Holding Temp:	50-60°F	
Sales Window:	Spring, Summer	
Pinching:	Beneficial	
Vernalization:	Beneficial	
Vigor Rating:	2	
Natural Day Flower:	Long Days for peak blooming	
Finish Size	Liner/Pot	Weeks to Finish
Quart	1	6-8 weeks (plug)
Trade 1 Gallon	1	6-8 weeks (bare root)
Premium 1 Gallon	1	7-9 weeks (bare root)

Grower Tips:
<ul style="list-style-type: none"> • Best in landscapes, can be used in containers. • It is best to plant small plugs in mid to late summer. The results will be a much fuller plant in spring with better flower performance. • Grow under high light. Long days will enhance growth. • Preventive fungicides recommended at transplant time. Mildew can be problematic, treat as needed. • Avoid overwatering; extended periods of wet soil will be detrimental. • One soft pinch, 1 week after planting. Second pinch optional. Florel® at 500 ppm is also effective at increasing branching. B-9 / Cycocel tank mix will control growth; however, growing plants dry will also control growth. Larger plants with better branching and form will occur with vernalization. • Requires high light in production; in a very high light environment, such as Southern California, plants may need up to 30% shade to protect against sun scorch. • Sedums require long days to flower. Once buds form plants can be moved to a short day environment.
NOTES:

MAGIC SHOW® Wizard of Ahhs

Veronica hybrid



Landscape Info:	
USDA zone:	4-8
Mature height:	14-16"
Exposure:	Part sun to Sun
Irrigation:	Moderate

Features & Benefits:
An improvement over 'Hocus Pocus', one of the first Veronica to bloom. Thick spikes of violet blue flowers that cover the top half of a low, wide habit.

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Cultural info:		
pH/EC (2:1 extract):	5.5 - 6.2/ 0.6 - 0.9	
Fertilization:	75 - 100 ppm N	
Light Level:	Med - High	
Watering:	Moderate	
Rooting Out Temp:	65 - 72 °F	
Growing Temp:	65 - 72 °F	
Holding Temp:	40 - 50 °F	
Sales Window:	Late Spring through Summer Fall finish.	
Pinching:	Beneficial for plugs / Not needed for bare root	
Vernalization:	Required: 9 weeks at 35-40°F	
Vigor Rating:	Moderate	
Natural Day Flower:	Day Neutral	
Finish Size	Liner/Pot	Weeks to Finish
Grande™	1	8 to 9
Quart	1	8 to 9
Premium 1 gallon	1	Bare root 6 to 8 / Plugs 10 to 12

Grower Tips:
<ul style="list-style-type: none"> • Magic Show® 'Wizard of Ahhs' may be grown in quarts to 2 gallon containers. • Scout for aphids and thrips, treat as needed. • Treat with preventative broad spectrum fungicidal drench at one week after transplant. Scout crops regularly (at least once a week) for disease development. • Good air circulation, control of humidity, and good sanitation practices are critical. • Good water management practices are critical to healthy plant growth. • B-Nine at 2500 ppm or Sumagic at 5 ppm can help control stretch if needed. • Growth Regulator Disclaimer: Check manufacturers labels for approved rates and usage recommendations. • Requires vernalization in order to bloom.