

The cover features a background image of purple and pink flowers. A large green triangle is positioned on the right side, pointing towards the center. A white rectangular box is overlaid on the image, containing the text '21/22 STARTER PLANT CATALOG' in white. The numbers '21/22' are large and bold, while 'STARTER PLANT' is in a smaller, all-caps font, and 'CATALOG' is large and bold.

21/22 STARTER PLANT CATALOG

NORTH CAROLINA FARMS



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- 7 Angelonia
- 8 Argyranthemum
Bacopa
- 10 Begonia - Riseup
- 11 Begonia - Double
Bidens
- 13 Calibrachoa
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Carnation
Chinese Lantern
- 15 Cleome
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Cuphea Mexican Heather
- 18 Diascia
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- 21 Fuchsia
- 22 Geraniums
- 26 Heliotrope
- 27 Jacobinia
- 28 Lantana
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- 41 Penta Lanceolata
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ORGANICS

Announcing our NEW line of North Carolina Farms Organics!



For the past couple years we have been working toward the organic certification of one of our houses. We are happy to announce the opening of a NEW line of ORGANIC production from North Carolina Farms!

SALVIA



MINT

THYME



For years we've been growing the ornamental herbs your customers love. Now we are able to offer those same varieties as certified **organic** for culinary use, essential oils, and more.

LAVENDER

OREGANO

NEW FOR

22



As demand for **organic production** has increased across the country, we've invested time and resources into this vigorous certification process in order to provide you, our customer, with the **quality starters** you need to meet the demands of your local market. For more information on organic treatments, like the use of **beneficial bugs** for pest control, see the article on page 50.

ROSEMARY



BASIL



Our new ORGANIC line of herb starters is just one more way that **we exist to grow your business.**

FRENCH TARRAGON

Acalypha

Native to Hawaii and other South Pacific areas, this plant mixes well with other **warm-weather, bright-light annuals** like Coleus, Calibrachoa, and Bacopa. A well-grown **hanging basket** can have dozens of fuzzy red catkin-style blooms, also called *firetails*.

Start with a constant-but-low feed program of **150 ppm N** and move to **200 ppm N** as the days lengthen in the spring. If the plants develop yellowing at the tips of the leaves, pH level is the first thing to check. A **pH of no more than 6** is important to prevent iron deficiency.

Whiteflies and spider mites

4" crop time	6-8 weeks
10" crop time	8-10 weeks
Light	Full sun
Night temp	60°
Water usage	Moderate-Heavy
Bloom period	Spring, Summer, Fall

Patented varieties

- Acalypha wilkesiana
Bronze Pink



Non-patented
Chenille Firetail

Agastache (Hyssop)

Agastache Blue Boa (also known as Hummingbird Mint or Hyssop) is native to North America. At 2-3' tall, it offers a striking pop of **perennial color along borders** and walkways, or in **butterfly gardens**. Blue Boa's deep violet-blue flowers bloom from June to September and it is **deer resistant** and **drought tolerant** once established. Blue Boa attracts bees, hummingbirds, and butterflies.

Likes a well-drained soil with a **neutral pH**. Use normal irrigation with **150 ppm Nitrogen**. Avoid drought.

Not prone to pests, but watch for powdery mildew

4" crop time	6-8 weeks
10" crop time	8-10 weeks
Hardy Zone	6-9
Light	Full sun
Night temp	55°-60°
Water usage	Moderate
Bloom period	Summer/Fall



Blue Boa

Ajuga

This **perennial landscape plant** is native to Europe. With a **fast-growing, tight-mounding habit** approx. 6 to 8 inches tall, it makes a great **combination plant or ground cover**. Ajuga is a **creeping evergreen** plant, so it quickly fills in bare areas and chokes out weeds, replacing them with striking foliage. Our Ajuga are all **cold-hardy** and very **easy to care for**.

*Patented

Grow in **partial sun** with **moderate water**. Use a **constant feed program of 200 ppm N**. Maintain a **pH between 5.8 - 6.2**.

Whiteflies and possibly aphids

4" crop time	6-8 weeks
Zone	3
Light	Partial sun
Night temp	50° - 60°
Water usage	Light-Moderate



Black Scallop*



Blueberry Muffin



Bronze



Burgundy Glow*



Catlins Giant*



Chocolate Chip



Mahogany



Princess Elsa*



Princess Leia*



Princess Nadia*



Silver Queen

Not Pictured:
• Pink Lightning*

Alsobia

Originally found in Mexico, Guatemala, and Costa Rica, Alsobia are exotic and delicate-looking houseplants. This patent-free **gesneriad** has white, lace-like flowers that appear as the plants become fully rooted in the pot. Your customers may like that Alsobia prefer **heavy shade**, and you will love a plant that grows well underneath gutters. Alsobia can be used as **landscaping plants**, and they also work well in **small containers or hanging baskets**. Non-patented.

Use a **balanced fertilizer** on a **constant feed program of 200 ppm N**. Maintain a **pH between 5.0 - 6.5**.

Mealybugs and thrips

4" crop time	6-8 weeks
10" crop time	10-12 weeks
Light	Shade
Night temp	60°
Water usage	Moderate
Bloom period	Constant



Alternanthera

Joseph's Coat is a sun-loving annual that is perfect for landscape use. These patent-free plants tolerate **sun or shade**, but **full sun** will create richer color. Alternanthera have a mounding, shrubby habit and grow to a height of 10in-14in. The shorter day lengths of spring and fall yield richer colors. Red and yellow varieties work well together because they are the same height. Grow them **pot tight in 1801s for landscape use** with **no PGRs** or as **edge plants in combination planters**.

Available in an assorted tray

Use a well-drained soil and plant in full sun. The amount of sunlight on the Alternanthera affects the color of the leaves. We recommend using a **constant feed program of 200 ppm N**. Maintain a **pH between 5.5 - 5.8**.

Whiteflies and possibly aphids

4" crop time	6 weeks
Light	Full sun
Min night temp	60°
Water usage	Moderate



Broadleaf Red



Bronze



Burgundy Thread



Green



Red



Red Carpet



Yellow

Not Pictured (Patented):

- Brazilian Red Hots
- Choco Chili
- Party Time
- Snowball

Angelonia

Summer Snapdragon is native to Mexico and the West Indies, and has delicate-looking flowers along tall spikes. As an **annual landscape** plant, Angelonia has an upright habit and can reach up to 18 inches in height. Angelonia make fragrant **bedding plants** and work in everything from **borders to pots to window boxes**.

Use a **constant feed program of 175-225 ppm N**. Maintain a **pH between 5.8 - 6.2**.

Whiteflies, aphids, mites, and thrips

4" crop time	6 weeks
10" crop time	8-10 weeks
Light	Full sun
Night temp	60°
Water usage	Moderate
Bloom period	Spring/Fall

Available in an assorted tray


Patented varieties


- Alonia Bicolor Pink
- Alonia Bicolor Purple
- Alonia Bicolor Violet
- Alonia Big Blue
- Alonia Big Dark Pink
- Alonia Big Indigo
- Alonia Big Snow
- Alonia Dark Lavender
- Alonia Pink Flirt
- Alonia Snow Ball
- Alonia Violet



Argyranthemums

These shrub-like **flowers** are native to the Canary Islands. They maintain an upright habit with daisy-like blooms that attract pollinators all summer long. Blooms bouquet similar to a Chrysanthemum. They can be used in **landscaping, flower beds, borders, window boxes, or containers and combination planters.**

 Use a **constant feed program of 150-200 ppm N**. Maintain a **pH between 5.8 - 6.2**.

 Whiteflies, aphids, and thrips

4" crop time	6 weeks
10" crop time	8-10 weeks
Light	Full sun
Night temp	60°
Water usage	Moderate
Bloom period	Spring/Fall

Patented varieties

- Angelic Burgundy
- Angelic Giant Pink
- Angelic Ruby
- Angelic Snow
- Angelic Sweets
- Beauty Yellow
- Everest
- Maize
- Mars
- Sunny Spring

Non-patented varieties




Butterfly Yellow




Dana White

Artemisia Stelleriana (Wormwood)

Also known as **Ghost Plant, Dusty Miller, and Mugwort**, this native to temperate Asia is naturalized in the United States and Europe. It has a short, mounding habit of 6-12 inches tall and functions well in **containers** and as **groundcover**. Drought and deer-resistant.

 This **perennial** likes average soil, but needs good drainage. Very heat tolerant. Use **100-150 ppm N** and dry moderately between waterings. Keep a **pH of 5.5 - 6.0**.

 Slugs, root rot

4" crop time	4-6 weeks
10" crop time	8-10
Zone	4
Light	Full sun
Night temp	40° - 50°
Water usage	Moderate



Silver Brocade

Bacopa

These prolific bloomers are naturally found in tropic and subtropic areas, especially in the Americas. A well-grown **hanging basket** can have hundreds of blooms and dense, dark green foliage. Your customers will love how Bacopa **cascade** over the edge of a container. They can stand **full sun to partial shade**, but they **do not tolerate heat well**. They weather the summer best when mixed with other plants.

We also offer the following patented varieties:

Gulliver

- Blue
- Blue Sensation
- Dynamic White
- Pink
- Pink Heart Improved
- Violet
- White

Great Pink


- Pink Beauty
- Pink Ring
- Regal Blue
- White Improved


Double

- Indigo
- Lavender
- Snowball

Golden Leaves

- White

 Use a **constant feed program of 200 ppm N**. Maintain a **pH between 5.8 - 6.2**. If the plants develop yellowing at the tips of the leaves, pH level is the first thing to check.

 Whiteflies, and aphids

Non-patented varieties



Carolina Big Bloom Blue



Carolina Big Bloom White





Trailing White

4" crop time	6 weeks
10" crop time	10 weeks
Light	Full sun
Night temp	50° - 60°
Water usage	Moderate-Heavy
Bloom period	Constant

Basket Grass

While looking remarkably like Bridal Veil, Basket Grass "**Variegated Bridal Veil**" is a true grass and not a Wandering Jew. Perfect for retail **houseplants** and wholesale **landscaping**, its ability to tolerate both **hot and cold** temperatures makes it a versatile product to have in your garden center.


 Use a **constant feed program of 150-200 ppm N**. Allowing the plant to dry out moderately between watering will help to create a pink hue in the leaves. Be careful not to over-water your Basket Grass. **Maintain a pH between 5.5-6.5.**


 Whiteflies

4" crop time	6 weeks
10" crop time	10 weeks
Light	Full sun
Night temp	50° - 60°
Water usage	Moderate



Native to tropical regions, our patent-free Angel Wing Begonias prefer **light, humid environments**. The more light exposure they receive, the more colorful their leaves will be. Your customers will love their versatility as a **houseplant** because it can be grown as a **dwarf** or as a **floor plant**.

 Place in **bright, indirect light** (but avoid full sun). Use a constant feed program of **150-200 ppm N**. Maintain a **pH between 5.8 - 6.2**.

 Aphids, mealybugs, and powdery mildew

4" crop time	6 weeks
10" crop time	8-10 weeks
Light	Partial sun
Night temp	60°
Water usage	Light
Bloom period	Constant

Available in an assorted tray

*No URC



Frosty



Benigo Pink



Brazilian Lady



Fannie Moser*



Lana*



Lois Burke



Looking Glass*



Medora



My Special Angel*



Pink Cane



Richmondensis Pink



Richmondensis White



Sophia*

These Angel Wings love full sun!



Sunbrite Pink



Sunbrite Red



Torch*



Torch Pink

These Angel Wings have unusual foliage and the unique ability to branch and bloom from the same leaf node.



Frosty



Lynda Dawn



Miss Mummy*



Sinbad Pink

Begonias - Rex

Painted-Leaf Begonias are native to the tropical and subtropical regions of India, and they thrive in **highly humid** environments. These slow-growers have highly unusual, striking foliage with large, brightly-colored leaves. Grow these houseplants in **pots** or **hanging baskets**.

Use a **constant feed program of 150 ppm N** with a **balanced fertilizer** to maximize color development. Maintain a **pH between 6.0 - 6.5**.

Aphids and powdery mildew

**Color may vary. We cannot accommodate requests for specific varieties in Rex Begonia assortments or mixtures.*

4" crop time	8 weeks
10" crop time	12 weeks
Light	Shade
Night temp	60°
Water usage	Light to moderate
Bloom period	Constant

Improved Availability!

We've increased our stock and varieties to meet your needs.



Begonias - Riseup

This patented hybrid collection developed by Westhoff offers both single and double non-stop flowers. These annual **landscape** and **container** plants sport a mounding, trailing habit of 12-16 inches that works well in **hanging baskets** and **combination planters**. Begonia Riseups are extremely **heat tolerant** and **bloom continuously** from spring to fall.

Use a **well-drained soil** in **full sun** with **moderate feed** (200 ppm nitrogen) and a **pH of 5.5-6.2**. Allow soil to dry slightly between waterings.

Aphids



Patented Varieties



Aloha Gold



Bull's Eye



Flamingo's Dream



Grenadine Red



Hot & Spicy



Salmon Chiffon



Sansibel Peach




Sunkissed Yellow


4" crop time	6-8 weeks
10" crop time	
Light	Full Sun
Night temp	60°
Water usage	Moderate
Bloom period	Constant



Begonias - Double

Native to South and Central America, Africa, and southern Asia, these unique bloomers like the moist climate of a sub-tropical or tropical environment. This means that although the Begonia is a simple plant to care for, **choosing the right location and watering them properly (moist soil, but not too wet) is essential to success.** Begonias **grow well in containers.**

 Use a **constant feed program of 200 ppm N.** Maintain a **pH between 5.5 - 6.2.**

 Aphids and powdery mildew

4" crop time	6 weeks
10" crop time	8-10 weeks
Light	Partial sun/shade
Night temp	60°
Water usage	Moderate
Bloom period	Constant

Available in an assorted tray

Non-Patented Varieties



Charm Pink
(Single bloom)



Cherry Blossom



Geneva Pink



Geneva Red



Lady Carol Red



Lady Francis Pink





Lady Snow White

Begonias - Morocco Rhizomatous

These flowering Begonias are mostly grown for their **unusual foliage.** Their textured leaves are red underneath and they boast a compact mounding habit that makes for beautiful **hanging baskets** or **floor pots.** Your customers will appreciate the diversity this plant brings to your retail space.

Only available in an assorted tray.

 Use a **constant feed program of 150 ppm N** with a **balanced fertilizer** to maximize color development. Maintain a **pH between 6.0 - 6.5.**


 Aphids and powdery mildew


4" crop time	6 weeks
10" crop time	8-10 weeks
Light	Light shade
Night temp	60°
Water usage	Moderate
Bloom period	Constant



Bidens

These sun-loving annuals have fern-leaved foliage and bright yellow flowers. Bidens bloom continuously and are self-cleaning. They are suitable for **landscapes and mixed containers,** and since they like moist soil, they can create a **cover for bare, open areas** such as ditches. Bidens also **attract pollinators and butterflies,** blooming from July to October.

 Use a **constant feed program of 150-200 ppm N.** Maintain a **pH between 5.8 - 6.2.**

 Whiteflies, aphids, and thrips

4" crop time	6 weeks
10" crop time	8-10 weeks
Light	Full sun
Night temp	55°- 65°
Water usage	Moderate
Bloom period	Spring, Summer, Fall

Patented varieties



Compact Yellow



Pretty in Pink



Yellow Charm

Additional Patented Varieties:

- Blazing Embers
- Blazing Fire
- Blazing Glory
- Giant Double
- Golden Empire
- Mega Charm
- White Delight
- Yellow Crown
- Yellow Splash
- Yellow Sunshine

Root Faster – Plant Faster – Hold Longer – Re-wet easily



Ellepots are completely **biodegradable** paper pots. The paper lining keeps the soil from settling into the tray and compacting like loose-filled soil does. As the pots are filled with media, the soil is infused with compressed air. This combination of benefits **supplies extra oxygen to the plant and aids in producing a strong, healthy root system.**

We have experienced a **substantial improvement in rooting**, even with plants that are slow to root or that have fine root systems. As the plants mature and roots break through the paper sleeve, **air pruning** occurs, which keeps the plant from getting root bound while continually producing fresh new roots.



Sold in cases of 10 for \$3.65 per tray, or pallets of 200 for \$3.00 per tray.

When you place your unrooted order, **simply ask for trays to match your cuttings.** They'll ship via FedEx Ground just before your unrooted cuttings arrive.
ncfarmsinc.com/Ellepots

Each year more growers are finding the benefits of Ellepots.


To keep up with demand, we've doubled our production capacity.




105 count	72 count	72 deep
25mm wide	30mm wide	30mm wide
40mm tall	40mm tall	70mm tall
Most plants per square foot	Larger cell	Deepest cell
For small leaf varieties or seedlings	For standard propagation of larger-leafed plants	For landscape plants or field plants
Petunias, purslane, calibrachoa, impatiens, lantana	Geraniums, Succulents, seedlings	Hemp, lavender, woody ornamentals

To order, visit ncfarmsinc.com/Ellepots

Calibrachoa are originally from South America. A nightshade similar to the Petunia, Calibrachoa produce an abundance of colorful, bell-like flowers. They have a **trailing habit**, so most growers prefer to use them in **hanging baskets**. They also work well in **containers** or as **ground cover**. Calibrachoa need minimal care and can be grown as a perennial in milder climates.

 Use a **well-drained soil** with a **balanced fertilizer** and a **constant feed program of 200 ppm N**. Maintain a **pH between 5.5 - 5.8**. A pH higher than 6.5 will show iron deficiency. **Optimal EC of 0.6 to 0.9** (using 2:1 Extraction Method). **Avoid overwatering**.

 Fungus gnats, aphids, and thrips

Available in an assorted tray



Patented Noa Series:

- Almond Blossom
- Blue Legend
- Dark Pink Carnival
- Mega Magenta
- Mega Pink
- Papaya
- Peach
- Red Improved
- Snow
- Sunset
- Ultra Purple
- Yellow



Blue



Bright Pink



Cardinal



Cherry Crush



Cream



Fuchsia



Hot Pink



Lemonade



Peach



Plum Vein



Polar Pink



Purple Cow



Red



Royal Purple



Soft Pink



Soft Yellow



Sugar Plum



Violet



Watermelon



White

4" crop time	6 weeks
10" crop time	10 weeks
Light	Full sun
Night temp	60°
Water usage	Moderate-Heavy
Bloom Period	Spring/Summer/Fall

Candy Corn

Manettia Luteo (also called *Brazilian Firecracker*) is a fast-growing vine perfect for **landscape applications** on trellises, fences, or lattices, or **hanging baskets** both indoors and outside. This plant loads up with red-and-yellow blooms that resemble candy corn.

Use little water in winter months, but increase irrigation as the growing season begins to help them flourish. Allow the soil to dry between waterings to avoid fungus. Use a slow and steady **constant feed of 150-200 ppm N**. Maintain **pH between 5.5 - 6.5**.

Whiteflies, spider mites, and mealybugs

4" crop time	4 weeks
10" crop time	8 weeks
Light	Full/partial
Night temp	60°
Water usage	Light-Moderate
Bloom period	Spring, Summer, Fall

*No URC.



Candy Corn

Carnation

This winter-hardy herbaceous **perennial** mounds and trails with abundant fragrant flowers perfect for **landscapes, containers, and hanging baskets**. Cutting them back frequently during winter months creates short and stocky plants for a burst of color in the spring.

Feed at **150-200 ppm N** constant liquid feed program. Maintain a **pH level between 5.5 and 6.0**.

Not prone to pests, but watch for whiteflies and mealybugs.

4" crop time	6-8 weeks
10" crop time	10-12 weeks
Zone	7
Light	Partial/full
Night temp	45°
Water usage	Light-Moderate
Bloom period	Spring/Summer



Carnation

Chinese Lantern

With stunning maple leaf-shaped foliage with green and yellow markings and **unique red-and-yellow lantern-shaped blooms**, Abutilon make excellent trailing plants for **hanging baskets**. They are evergreen perennials in zones 9-10 and can be grown as annuals everywhere else.

Feed **200 ppm N** constant liquid feed program. Maintain a **pH between 5.5 and 6.5**.

Scales and whiteflies

4" crop time	Not recommended
10" crop time	8-10 weeks
Light	Full sun
Night temp	45° - 60°
Water usage	Moderate
Bloom period	Spring/Summer



Chinese Lantern

Chlorophytum

Native to South Africa, Spider Plants are **one of the best natural air filters** for the home. Attractive leaves grow to 2 feet long with pups (new plantlets) hanging from mature plants. Just pluck off the pup to start a new plant. Your customers may like Chlorophytum because it's **hard to kill**, so it's an excellent starter plant for new gardeners or those lacking a green thumb.

Use a **well-drained soil** with a **balanced fertilizer** and a **constant feed program of 200 ppm N**. Maintain a **pH between 5.5 - 6.5**.

Not prone to pests, but watch for whiteflies, mites, and mealybugs.

4" crop time	6 weeks
10" crop time	8-10 weeks
Light	Bright/partial sun
Night temp	55°
Water usage	Moderate



Spider Reverse



Spider Variegated

Cissus

Grape Ivy and **Oak Ivy** are fast-growing vines originally found in the tropics. Because they are tender annuals, market them as **houseplants**. The foliage has a shiny, florist quality that performs well in **hanging baskets, combo baskets, and stand-alone pots**. Cissus are easy to care for and are tolerant of low water and low light.

Use a **well-drained soil** with a **balanced fertilizer** on a **constant feed program of 200 ppm N**. Maintain a **pH between 5.5 - 6.5**. Optimal **EC 0.6 to 0.9** (using 2:1 Extraction Method). **Avoid overwatering**.

Aphids

4" crop time	6 weeks
10" crop time	8 weeks
Light	Shade
Night temp	60°
Water usage	Light-Moderate




Tropical Grape



Tropical Oak Leaf

Cleome

Native to South America, our cultivars are part of the Danziger breeding program. These annual **sun-lovers** function really well outdoors in warm-weather climates, attracting both hummingbirds and butterflies. These plants boast excellent branching and strong, upright structures and are best used in **landscapes** as a border or edge crop, **in floor pots, or in combination planters**.

 Use a constant feed program of **200-300 ppm N**. Maintain a **pH between 5.7- 6.3** and an **EC level between 1-2**.

 Whiteflies and aphids

4" crop time	6 weeks
10" crop time	8-10 weeks
Light	Full sun
Night temp	60°
Water usage	Moderate
Bloom period	Spring, Summer, Fall



Clio Pink Lady




Clio Magenta

**All Cleome varieties are patented.*

Coreopsis

Tickseed are **easy-care landscaping plants** native to North, Central, and South America. With a compact mounding habit, evergreen foliage, and blooms that look similar to daisies, your customers will love how Coreopsis **attract butterflies** while remaining **deer- and rabbit-resistant**.

 Use a **well-drained soil** with a rate of **150-200 ppm N** with each irrigation and adjust rates as needed. Leach with clear water to avoid fertilizer salt buildup. Keep moist, but not over-watered, to prevent root damage. Maintain a **pH between 5.8 - 6.2**.

 Aphids


4" crop time	4-6 weeks
10" crop time	8-10 weeks
Hardy Zone	4-9
Light	Full sun
Night temp	55°- 65°
Water usage	Moderate
Bloom period	Spring/Summer/Fall



Auriculata Nana

Cuphea Mexican Heather

This abundant bloomer is native to Mexico, Guatemala, and Honduras. In warmer climates it's considered a **soft perennial** and may self-sow each year; the seedlings can be easily transplanted. Cuphea's dense green foliage and small, colorful flowers make it a lovely **landscape** or **container plant**. It attracts butterflies, hummingbirds, and other pollinators.

 Use a **well-drained soil** with a **balanced fertilizer** on a **constant feed program of 150-200 ppm N**. Maintain a **pH between 6.0 - 6.5**. Cuphea may develop oedema and leaf yellowing if over-watered.

 Aphids, thrips, and whiteflies

4" crop time	6 weeks
10" crop time	8-10 weeks
Zone	9
Light	Full sun
Night temp	60°
Water usage	Moderate
Bloom period	Constant

Non-Patented Varieties



Purple



White



Wine



Wine

Coleus

Native to regions from Africa to southeast Asia to Australia, these knee-high plants love both **full sun and shade locations**. Coleus are perfect for **combination baskets, containers, or borders** and quickly fill their space with color. They mix well with Verbena, Calibrachoa, and Bacopa since all of these varieties have similar cultural needs. If they flower in the summer, you can either remove the spikes or leave them to attract pollinators. All of our Coleus are patent-free.

Use a **well-drained soil** with a **well-balanced fertilizer** and a **constant feed program of 200 ppm N**. Maintain a **pH between 5.8 - 6.2**. The **EC should be between 1.5-2.0 mmhos (2:1 dilution)**.

Aphids, whiteflies, and **downy mildew**

4" crop time	6 weeks
10" crop time	8-10 weeks
Light	Full sun
Night temp	60°
Water usage	Moderate

Available in these assortments:

All Mixed Up* (many varieties, no label)
Assorted Coleus (3 varieties, labeled)

*No URC for starred varieties

Pink



Chaotic Rose



Hot Lava



Maple Motif



Mariposa



Meandering Linda



Tapestry

Dark



Black Star



Chocolate



Dark Ruffles



Kiwi Fern



Lord Voldemort



Trailing Burgundy

Red



Bright Ruffles



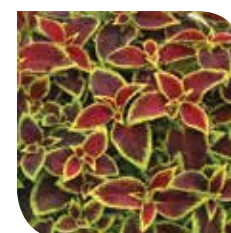
Dark Red*



Florida Sunshine



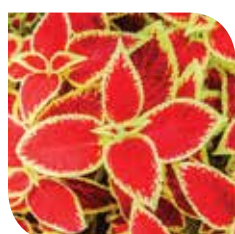
Oxblood



Pat Martin



Red Coat



Red Roof



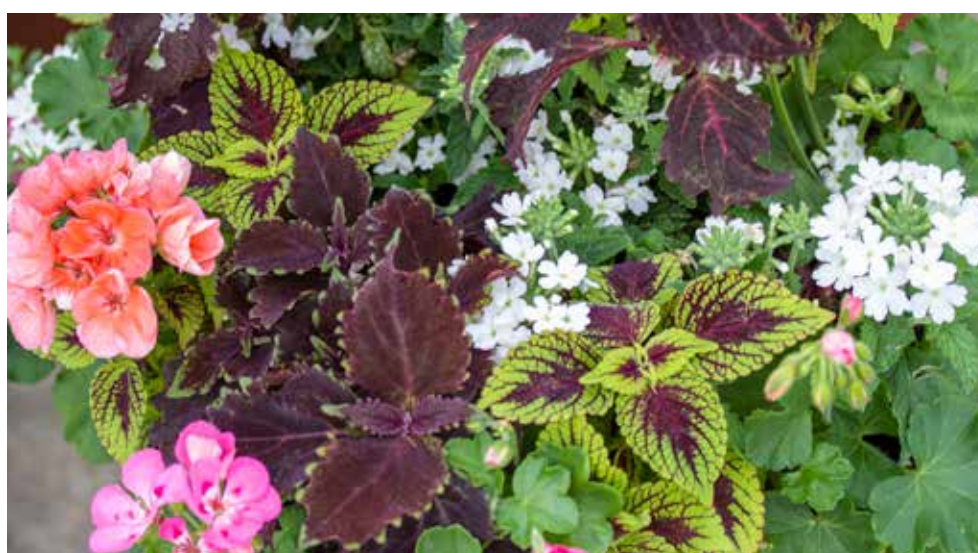
Red Ruffles



Sangria



Watermelon Delight



Green/Yellow/Orange



Alabama



Bonnie Gold



Defiance



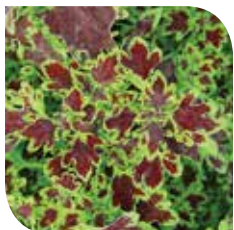
French Fry



Gays Delight



Gold Lace



Inky Fingers



Mardi Gras



Pineapple

*Note: All of our Coleus love full sun.
Without it, their color vibrancy will not match the photos.*

For growing tips and more varieties, visit our website:
ncfarmsinc.com/rooted-plugs/Coleus



Many-colored



Beauty Of Lyon



Burgundy Ruffles



Cracklin' Rosie



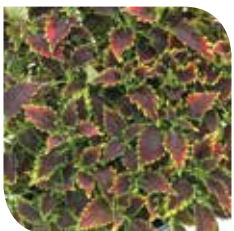
Jade



Kingwood Karnival



Magenta Sunrise



Olympic Torch



Solar Sunrise



Stormy Weather



Sunglow Pink



Trailing Pink



Velvet Pistachio

Diascia

Native to southern Africa, Diascia have a compact growth habit with good branching, and they produce large flowers in early spring through summer. Use them in **hanging baskets**, **combo planters**, or as a **floriferous groundcover**. Your customers will love that Diascia are **easy to grow** and **attract pollinators**. Regular watering is needed during drought, but only when the soil feels dry.

Use a **well-drained soil** with a constant feed of balanced fertilizer (200 ppm N) that contains average levels of micronutrients with a slightly increased level of iron. Keep moist, but not over-watered, to prevent root damage. Maintain a **pH between 5.5- 6.0** and an **EC between 0.6 - 0.9**.

Aphids and whiteflies

**All Diascia varieties are patented.*



Trinity Sunset



Classic White



Papaya

4" crop time	5-7 weeks
10" crop time	8-10 weeks
Light	Full sun/partial shade
Night temp	50°-60°
Water usage	Moderate
Bloom period	Spring/Fall

Dorotheanthus

Livingstone Daisies are native to South Africa and are very easy to grow. These rubbery, low-growing plants produce a small red flower and can be used alone or in **combination planters**. As heat- and drought-tolerant plants, Dorotheanthus make excellent **groundcovers** as well. Non-patented.

Use a constant feed program of **200 ppm N**. Watch **EC levels and maintain 1.8-2.2 mS/cm**. If your EC level gets too high, you can leach with clear water to avoid fertilizer salt build-up. A pH between 5.6 and 6.2 is important for the healthiest plant color.

No significant pest problems

4" crop time	5-6 weeks
10" crop time	8-10 weeks
Light	Full sun
Night temp	60°
Water usage	Light
Bloom period	Spring



Dorotheanthus Variegated

Dracaena Indivisa

The **Spike Plant** is a tropical upright cane with cascading leaves that weep over slightly as they grow. This drought-tolerant plant is commonly used in **combination plantings** to add texture and height to the mix. Dracaena are **low maintenance** and boast an attractive foliage spread. Grow our well-rooted starters in a 3-4" pot for 4-6 weeks before adding them to mixed containers. Non-patented.

Use a water-soluble feed of **150-200 ppm N once a month**. A **pH between 5.8 and 6.5** is important for the healthiest plant color. Watch for brown spotting on the leaves that signify fluoride toxicity from the soil. To prevent this, keep your pH in check: the more acidic the soil, the higher the chance of the plant absorbing additional fluoride. **Avoid fertilizers that use superphosphate**, as these will exacerbate your fluoride problems.

Aphids



Dracaena Indivisa with Lysimachia (p.30)

4" crop time	6-8 weeks
Combo	10-12 weeks
Light	Partial sun
Night temp	50°
Water usage	Light

Golden Dewdrop or Sky Flower, is a bushy, mounding plant that is used widely in **landscaping**. Its vibrant golden foliage makes a perfect accent for beds, patio containers, or combination planters, and makes a good alternative to Alternanthera. This tough little plant is both **heat- and drought-tolerant** and can survive temperatures as low as 25°F. Non-patented.

Use a constant feed program of **150-200 ppm N. A pH between 6.0 and 6.5** is important for the healthiest plant color.

Whiteflies and occasional aphids

4" crop time	6 weeks
10" crop time	8-10 weeks
Light	Full sun
Night temp	60°
Water usage	Light-Moderate

Popular Plant!

To keep up with demand, we've increased our stock and production capacity.



Evolvulus

Native to South America, these creeping plants have unusual blue flowers which make them stand out. Their leaves and stems are covered in tiny gray hairs similar to peach fuzz. Their blooms have a short lifespan, but the plant continually produces more, which makes this a **great hanging basket or landscape plant**. Evolvulus tolerate full sun, are easy to grow, and are hardy in zones 8-11. Non-patented.

Use a constant feed program of **200 ppm N**. Maintain a **pH between 5.5 and 6.5** to prevent iron deficiency. Allow the soil to completely dry between waterings.

Whiteflies, thrips, and aphids

4" crop time	6 weeks
10" crop time	8 weeks
Light	Full sun
Night temp	60°
Water usage	Moderate



Evolvulus

Ferns

Native to Australia, Ferns have become a mainstay for hanging basket sales. With moderate attention, these durable baskets will last all summer on your customer's front porch. Non-patented.

4" crop time	6-8 weeks
10" crop time (from 4")	20 weeks
Height	6" to 4'
Light	Shade
Night temp	60°
Water usage	Light

Use a well-drained soil with a high capacity for holding water and a **constant feed program of 150-200 ppm N**. Maintain a **pH between 5.0 - 5.5**.

Brown scales, caterpillars, and whiteflies

Emerald Queen
Sword Fern



Boston Basket Planting Schedule

Jan-Mar Pre-order Fern liners.

June Plant liners in 4" pots.

Sept Transplant 4" pots to final container.

Spring Make the competition look silly with your big, showy baskets.




Macho




True Boston
Massii Fern

Ficus Pumila

Native to Eastern Asia, this climbing plant **prefers partial shade, but it can grow in full sun.** "Creeping Fig" (or its miniature brother Quercifolia) can be grown as a perennial houseplant, but it thrives outdoors and is **winter hardy through zone 7.**

 Use a **balanced fertilizer at 250 ppm** with constant feed. Has a fairly wide **pH range of 5.6 - 7.5.** Allow to dry between waterings because root disease is a problem if the soil remains saturated.

 Spider mites


4" crop time	4-6 weeks
Light	Any
Night temp	45°
Water usage	Moderate



Creeping Fig

Fittonia

The **Nerve Plant** is a tropical foliage variety native to Peru and other areas of South America. Its low-growing, mounding habit boasts unique green leaves with silver veins that add diversity to your garden center's selection. Fittonia are very easy to grow and **require very little maintenance.** Their versatility allows for a variety of uses: **terrariums, houseplants, hanging baskets, smaller pots, and outdoor applications in warmer zones.**

 Use a constant-but-low **feed program of 200 ppm N.** A **pH between 5.5 and 6.5** is important for the healthiest plant color.

 Mealybugs

4" crop time	6 weeks
Light	Shade
Night temp	60°
Water usage	Moderate


*No URC



Fittonia

Gaillardia

Also known as **Blanket Flower**, this cultivar of the Gaillardia Aristata prairie flower is native to Northwestern North America. This **low-maintenance plant** reaps disproportionate reward, blooming from June to first frost. It does well in **full sun** with **low watering needs.** It is most commonly used in medium **containers, sunny borders, and cutting gardens.**

 Likes a fertile, well-drained soil with a **pH 5.5-6.2.** Use **150 -200 ppm Nitrogen** and allow to dry slightly between waterings. Pinch at transplant.

 Snails and slugs, mildews, rust, or leaf spots

4" crop time	4-5 weeks
10" crop time	7-8 weeks
Hardy Zone	3-9
Light	Full sun
Night temp	60°- 65°
Water usage	Moderate
Bloom period	Spring/Summer/Fall




Barbican Red




Moxie

Goldfish

From the tropical areas of Central and South America, **Columnea** and **Nematanthus** vining plants have unusually-shaped blooms in reds, yellows, and oranges that make for lovely **hanging baskets.** Goldfish have a reputation for being fussy plants, but a little care to give them enough indirect light and not too much water goes a long way to help these exotic plants thrive. Non-patented.

 Use a balanced fertilizer on a **constant feed program of 150 ppm N.** Maintain a **pH between 5.5 - 6.5.** Be careful not to over-water or Goldfish will succumb to **root rot.**

 Aphids, mealybugs, and thrips

Popular Plant!

To keep up with demand, we've increased our stock and production capacity.


4" crop time	8 weeks
10" crop time	15 weeks
Light	Bright Indirect/Filtered
Night temp	60°
Water usage	Light/moderate
Bloom period	Constant




Goldfish

**Only available in an assorted tray. We cannot accommodate requests for specific varieties.*

Native to the Caribbean, these morning-sun plants are known for the **oddly-shaped blooms** that drop down from the foliage to show off during the spring. When planning your crop, be sure to choose **trailing varieties for hanging baskets and upright varieties for 4" pots**. Your customers will love the added color and wide spreads Fuchsia bring to your Mother's Day offerings. Non-patented.

 Use a constant feed program of **200 ppm N**. Maintain a **pH between 5.5 - 6.2** to avoid iron deficiency. Fuchsia bloom naturally as the days lengthen. For an early crop, you can light your plants starting in late winter to force blooming early in the spring.

 Aphids, thrips, mealybugs, and whiteflies

4" crop time	8 weeks
10" crop time	10-12 weeks
Light	Partial sun
Night temp	60°
Water usage	Moderate
Bloom period	Spring

Available as an assorted tray.

*No URC

Upright Varieties



Dollar Princess



Gartenmeister

Trailing Varieties



Blacky



Blue Eyes



Dark Eyes



Marinka



Southgate



Swingtime

Patented Varieties



City Lights



Electric Lights



Standup Pink
Imp Rosella



Standup Red White
Shirley

Fuchsia Series



Carmine White



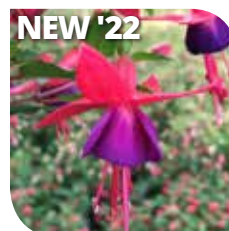
Pink Violet



Polar




Red White




Rose Blue

Geraniums

Found naturally in the eastern Mediterranean and other temperate regions of the world, Geraniums are known for their compact foliage, brilliant blooms, and easy-care personalities. These versatile plants are suitable for **4" and 6" pots** and **mixed containers**, but they can also be grown as **bedding plants** or as **hanging baskets** in full sun.

 Fertilization is extremely important. Use a **well-drained soil** with a **balanced fertilizer** and a constant feed program of **200 ppm N**. Maintain a **pH between 5.8 - 6.5** and an optimal **EC of 0.75 - 1.0**

 Aphids and thrips

Available in an assorted tray.

For a list of all varieties, visit ncfarmsinc.com/Geraniums

4" crop time	6 weeks
10" crop time	8-10 weeks
Light	Full sun
Night temp	60°
Water usage	Moderate
Bloom period	Constant

Ivy Geraniums

- Minicascade Series
- Great Balls of Fire

Zonal Geraniums

- Maestro Idols Series
- Patriot Series

Maestro Idols Series



Apple Blossom



Bright Red



Cherry



Deep Red



Light Pink Parfait



Neon Violet



Pink Parfait



Red



Salmon



Sassy Dark Red



White

Patriot Series



Berry Parfait



Bright Pink



Bright Red



Bright Violet



Cherry Rose



Evening Glow



Lavender Blue



Orange



Red



Rose Pink



Salmon



Salmon Chic



Tickled Pink



Watermelon



White

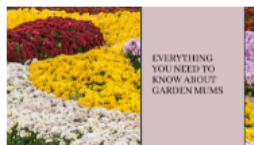
One of the ways we help you grow your business is by providing free educational content. Whether you prefer to read or watch, we've got you covered.

YouTube

- Short, how-to videos
- FAQ and becoming a better greenhouse operator
- ncfarmsinc.com/YouTube



Everything You Need to Know About Garden Mums



Posted on: March 24, 2021 by The North Carolina Farms Team

We'll walk you through ordering, transplanting, growing, and then, finally, offering excellent finished garden mums. ... [Read More](#)

6 Ways to Boost Business Through Social Media



Posted on: February 8, 2021 by Karen Bland

Social media has the power to consume or create your resources. So how do you effectively utilize social media? Here are six ways: ... [Read More](#)

Leading Through Times of Crisis- Part 2



Posted on: April 29, 2020 by Mick Donahue

In Growing with North Carolina Farms, we discuss how to lead

Blog

- Bi-weekly content
- Marketing, pest management, growing tips, how-tos, and more
- Various staff members' voices
- <https://ncfarmsinc.com/articles/>
- Can't find an article you need? We'd love to help! Send an email with the subject **Blog Topic Request** to media@ncfarmsinc.com. We're here to grow your business.

Want even more? Connect with us on Social Media

Follow us for:

- Growing Tips
- Personalized Coaching
- Discount Offers
- Availability Updates
- Free Shareable Content

We look forward to seeing you online!



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North Carolina Farms

Herbs

Our selection of patent-free Herbs is focused on varieties that are already popular: both for their **culinary use** and for their **distinct foliage**. These aromatic plants are easy sellers because of their versatility and high demand. Always popular in **4" pots**, Herbs also make great additions to **combination baskets** because of their unique growing habits, which add mass to combinations. Many are perennial—see our website for zone information:

ncfarmsinc.com/Herbs

 Herbs like full sun and tolerate both cool and hot temperatures well, although warm temperatures can stretch growth habit. They prefer **well-drained soil** at a **pH of 5.5 - 6**. Take special consideration when using chemical sprays on culinary herbs. Feed at **150-200 ppm Nitrogen**. Pinch to shape plants as needed. Many Herbs are winter hardy to some degree; Basil and Stevia are not.

 Whiteflies, aphids, and occasional mealybugs

Lavender* _____



Angustifolia Munstead



Bucii Pinnata



Grosso



Hyb. Goodwin Creek



Provence

4" crop time	6 Weeks
Zone	Varied
Light	Full sun
Min night temp	50°
Water usage	Moderate

Mint _____



Chocolate



Kentucky Colonel



Lemon Balm



Mojito



Orange



Peppermint



Pineapple



Spearmint



French Tarragon



Stevia*

**ORGANICS
NOW
AVAILABLE!**



*Only select varieties are grown organically.
See website for details and pricing.*

Herbs available in an assorted tray.

**Starred varieties not available in URC.*

We also offer Danziger's patented Salvia Sally Fun and Splendens varieties. See our website.

Rosemary* _____



Arp



Barbecue



Prostratus Trailing



Salem



Taurentius



Tuscan Blue

Basil



African Blue Basil



Dwarf Basil

Thyme



English



Lemon



Silver Queen

Oregano



Compacta



Golden



Hot and Spicy



Kent Beauty



Variegated



Vulgare

Salvia*



Berggarten Sage



Guaranitica Black and Blue



Officinalis Golden Sage



Officinalis Purple Sage




Pineapple Sage




Tricolor Sage

Ipomoea

Originating in Polynesia, **Sweet Potato vines** are now a mainstay in U.S. landscaping. These fast-growing sun-lovers are best used as **groundcovers**, **mixed container plants**, and cascading elements in **combination baskets**. With strong, vigorous growth and beautiful runners, Ipomoea will show off for your customers in any seasonal program.

 Use a low-but-constant feed program of **200 ppm N**. Maintain a **pH between 5.8 - 6.2** and an **EC between 0.6 - 0.9**.

 Aphids, whiteflies, thrips, and spider mites

Available in an assorted tray
We are certified to ship Ipomoea anywhere in the US and Canada.

Patented Varieties



Bright Ideas Black



Bright Ideas Rusty Red



Bright Ideas Lime

Non-Patented Varieties



Ace of Spades



Blackie



Compact Margie



Margarita




Tricolor

4" crop time	4-6 weeks
10" crop time	8-10 weeks
Light	Full sun
Night temp	60°
Water usage	Moderate

Helichrysum

Helichrysum is a **heat-loving** evergreen shrub. As a **drought-tolerant, low-maintenance** plant, it works well in **combination baskets, beds, and borders**. Curry is an upright flowering variety typically grown in containers for landscape use; Licorice is a trailing foliage cultivar popular for hanging baskets and annual groundcover. Both are deer resistant.

 Use a constant-but-low feed program of **200 ppm N. A pH between 5.8 and 6.2** is important for the healthiest plant color.

 Mealybugs and aphids

4" crop time	6 weeks
10" crop time	8-10 weeks
Light	Full sun
Night temp	60°
Water usage	Moderate

Non-Patented Varieties



Curry



Icicles



Lemon



Licorice



Minus





Variegata

Heliotrope

Purple Marine are **fantastic landscape** plants for those who live in areas with hot, dry summers. They are **heat tolerant, do not need much water**, and provide attractive bushels of blooms. These purple flowers are very fragrant, and their mounding habit keeps the plant neat and clean.

4" crop time	6 weeks
10" crop time	8-10 weeks
Light	Full sun
Night temp	60°
Water usage	Moderate
Bloom period	Spring/Summer/Fall

 Use a constant-but-low feed program of **200 ppm N. A pH between 5.5 and 6.5** is important for the healthiest plant color.


 Whiteflies and occasional aphids




Heliotrope Marine

Hemigraphis Alternata

Waffle Plants are perfect landscape plants for areas with hot, dry summers. They are **drought and heat tolerant** while providing great-looking bushels of blooms. Their purple flowers are very fragrant, their foliage is striking, and their mounding habit keeps plants neat and clean.

 Likes **rich, moist, well-drained soil** with a **pH of 6.1 - 7.5**. Use a constant feed program of **100-150 ppm N** for healthy growth. Does not tolerate drought or salty conditions.

 No major pest problems, but watch for scale and whiteflies

4" crop time	5-6 weeks
10" crop time	8-10 weeks
Light	Partial to full sun
Night temp	45°
Water usage	Heavy



Purple Waffle





Silver Waffle

Iresine Chicken Gizzard

The Iresine **Bloodleaf Plant** (or **Chicken Gizzard**) is native to Brazil. This unusual, ever-colorful plant has glossy, oval leaves that measure 2 ½ inches across. It makes a striking **houseplant**, but it can live outside as a **landscape annual**. Iresine make a unique choice for **combination planters or stand-alone baskets**.

4" crop time	6 weeks
10" crop time	8-10 weeks
Light	Full sun/partial sun
Night temp	60°
Water usage	Moderate

 Use a constant-but-low feed program of **150-200 ppm N. A pH between 6.0 and 6.5** is important for the healthiest plant color.

 Spider mites and occasional mealybugs

Non-Patented Varieties



Red



Yellow

Jacobinia

Justicia Carnea (Brazilian Plume) are native to South America and sport green leaves with gray hairs. Their blooms are upward-facing tubular clusters that protrude from the tops of the growth and remain from spring through fall. The upright habit makes this plant a **great centerpiece for combination pots or as a standalone plant in pots and baskets.**

Non-patented.

Use a **well-drained soil** with a **well-balanced fertilizer** at a rate of **150-200 ppm N**. Keep moist, but not over watered, to prevent root damage. Maintain a **pH between 5.6 - 6.0**.

Nematodes, spider mites, and occasional caterpillars

4" crop time	6 weeks
Gallon crop time	10 weeks
Light	Shade
Night temp	55° - 65°
Water usage	Moderate
Bloom time	Constant



Jacobinia

Lamium

The **Spotted Dead Nettle** is originally from Europe and North Africa. This **fast-growing perennial** functions well as a **groundcover** and is resistant to deer and rabbits. Its colorful green-and-silver leaves make a soft, attractive accent in **landscapes and combination pots**. Lamium is an aggressive plant when grown in partial to full shade and can spread rapidly. Non-patented.

Use a **low-but-constant feed program of 200 ppm N**. Maintain a **pH between 5.8 - 6.2**. Growing with **cooler night temperatures** will produce a stockier plant with shorter internodes and more intense color.

Aphids and whiteflies

4" crop time	6 weeks
10" crop time	8-10 weeks
Zone	3
Light	Partial/full shade
Night temp	55° - 60°
Water usage	Moderate



Herman's Pride



Silver Beacon

Lipstick

Lipstick plant is native to Malaysia and is one of our most unique plants. Growing this **easy-to-care-for plant** is a simple way to set yourself apart from the competition. These trailing plants have red tubular blooms that grow from a calyx more than an inch from the tips of vines. It's an epiphyte with a native habitat in the forest, which means it grows well in partial-shade areas and can cling harmlessly to the sides of trees and logs. Sell this to your customers as a **shade hanging basket** or as a **year-round houseplant**; they will love the exotic novelty and versatility. Non-patented.

Use a constant feed program of **150 ppm N**. Maintain a **pH between 6.0 - 6.5**. Water moderately in the summer and sparingly in the winter, making sure to use a well-draining soil. Lipstick love **warm temperatures and high humidity**, but they do not tolerate saturated soil or cold water on their leaves, so be careful when watering and allow the soil to dry in between.

Mealybugs, aphids, and possibly thrips

10" crop time	15 weeks
Light	Partial shade
Night temp	60°
Water usage	Light
Bloom period	Constant



Lipstick

Lobelia

Originally from South Africa, Lobelia are beautiful mounding plants which load up with unique blooms from late spring until frost. The upright varieties are most popular as **edge plants** in landscapes and are used in 1801s. Our trailing varieties are better used in hanging baskets or as **cascading elements** in mixed combos. All our vegetative cultivars have been **bred and hand-chosen** to have a wide color range and large blooms, and they **perform better in the heat** than seed varieties.

Patented varieties:

Anabel Series

- Blue Hope
- Brilliant Blue
- Snow White

Glow Series

- Electric Blue

4" crop time	6 weeks
10" crop time	8-10 weeks
Light	Full sun
Night temp	60°
Water usage	Moderate
Bloom period	Spring-frost

Use a well-drained soil with a balanced fertilizer and a constant feed program of **100-150 ppm N** with an **EC between .90-1.2**. Maintain a **pH between 5.8 - 6.0**.

Aphids, whiteflies, and thrips

Non-Patented Varieties



Trailing Baby Blue




Trailing Midnight Blue




Trailing White

Lantana

Fragrant natives of tropical regions in the Americas and Africa, these broadleaf evergreen shrubs are **drought-hardy** in landscapes and **cold-hardy** to slightly below freezing, so they can be grown as perennials in warm regions. Upright varieties are best grown in containers for **landscape use**, but they also work well in combination planters. Trailing varieties are best suited for **hanging baskets** and cascading elements in **combination planters**. Including Lantana in your spring program will **attract pollinators** and customers alike.

 Use a **well-drained soil** with a **constant feed program of 200-250 ppm N**. Maintain a **pH between 5.6 - 6.2**. Optimal **EC 2.0 to 2.2 mS/cm**. Grow in full sun as greenhouse growth tends to produce stretch and dull colors.

 Whiteflies, aphids, and leafminers

Less than 12"



Bright Orange**



Dwarf Raspberry*



Florida Fuchsia**



Florida Red**



Golden Zinger



Goldie



Nugget**



Pinky

12" - 16"



Buttercup



Cream



Dark Purple



Fantasy



Magic Hour**



Megan's Gold**



New Gold



Orange Bicolor



Pink Blush



Red Compacta



Salsa*



Spreading Gold

Our Lantana ship fresh from the USA. We cut them late in the day and ship priority overnight, reducing the potential for damage from ethylene build-up, increasing your chance for success.



Elegance

Widest Selection of Non-Patented Lantana in the Industry

Spreading Gold

16"- 20"



Bright Pink



Elegance



Fireworks



Knee High Gold



Knee High Orange



Knee High Yellow



Lil' Miss**



Peaches



Soft Pink



Upright White



Wagon Wheel Pink

20+"



Confetti



Dallas Red



Dark Red



Irene



Miss Huff



Samantha*

Available in an assorted tray

*No URC.

**Marked varieties are patented.

4" crop time	6 weeks
10" crop time	8-10 weeks
Light	Full sun
Night temp	60°
Water usage	Light/moderate
Bloom period	Constant

Trailing




Lavender




White

Lobularia

Sweet Alyssum is an annual mounding and flowering plant from the Mediterranean region. It can be used as an edge plant in **landscapes**, as part of a **combo basket** as a cascading bloomer, or in a **standalone basket or container**. Lobularia Streams are part of **Danziger's breeding program** and have been selected for their **better heat tolerance and growth habit**.

 Use a constant feed program of **100-200 ppm N** with an **EC of 1.2-1.4**. Maintain a **pH between 5.5 - 5.8**.

 Aphids, whiteflies and possibly thrips

**All Lobularia varieties are patented.*

4" crop time	4-5 weeks
10" crop time	7-8 weeks
Light	Full/partial sun
Night temp	55°
Water usage	Moderate
Bloom period	Spring/Summer/Fall



Deep Lavender Stream



Lavender Stream



Purple Stream



Raspberry Stream



Silver Stream





White Stream

Lotus Vine

Native to the Canary Islands, **Parrot's Beak** has a **drought-tolerant**, compact mounding habit with grey foliage. Come late spring, one-inch-long red-and-golden blooms set it on fire. Due to its unusually-shaped flower and desirable growth habit, it has great potential to be used in **combination planters**, as a **border plant**, or in a **standalone container**. Only hardy in zones 10 to 12, but it's a beautiful summer annual for everyone else. Non-patented.

**No URC*

 Use a constant-but-low feed program of **200 ppm N**. A **pH between 5.5 and 6.5** is important for the healthiest plant color.

 Aphids and mealybugs

4" crop time	6 weeks
10" crop time	8-10 weeks
Light	Full sun
Night temp	45° - 60°
Water usage	Moderate
Bloom period	Spring



Lotus Vine

Lysimachia

Lysimachia is a **vinning perennial** known for its cascading growth habit and ability to create groundcover. Lysimachia is an excellent **groundcover**, a cascading plant in a **combination planter**, or a **standalone hanging basket**. Creeping Jenny can become invasive, but Golden Globes is not considered an invasive species in North America. Creeping Jenny is also an **aquatic plant** and can be grown submerged for aquarium use. Non-patented.




**Golden (Creeping Jenny)
Zone 3**



**Golden Globes
Zone 6**

 Use a **constant feed program of 150-200 ppm N**. Maintain a **pH between 5.8 - 6.2**.

 Whiteflies, aphids, and spider mites

4" crop time	4-6 weeks
10" crop time	8-10 weeks
Light	Full sun
Night temp	60°
Water usage	Moderate

Page	2021-2022 Price List <i>Prices subject to change</i>	Tray Size	Unrooted Cuttings	Rooted Plugs
6	Acalypha Chenille Firetail <i>Patented</i>	105	19¢	55.5¢
6	Agastache	105	—	85.8¢
6	Ajuga <i>Patented Varieties</i>	105	— —	55.5¢ 66¢
7	Alsobia	105	—	73.6¢
7	Alternanthera	105	15.7¢	53.3¢
7	Angelonia <i>Patented Varieties</i>	105	— —	60¢ 72.5¢
8	Argyranthemum <i>Patented Varieties</i>	105	15.8¢ —	47.4¢ 57.7¢
8	Artemisia Stelleriana	105	—	50.6¢
8	Bacopa <i>Patented Varieties</i>	105	19¢ —	55.5¢ 62.3¢
8	Basket Grass	105	16¢	60¢
9	Begonia Angelwing <i>Brazilian Lady, Medora, Richmondensis</i> <i>Benigo, Frosty, Lynda Dawn, Lois Burke, Pink Cane, Sinbad, Sunbrite, Torch Pink</i> <i>Fannie Moser, Lana, Looking Glass, Miss Mummy, My Special Angel, Sophia, Torch</i>	72	33.8¢ 38.6¢ —	65.7¢ 72.5¢ 97.4¢
11	Begonia Double	105	27.8¢	55.5¢
11	Begonia Morocco	72	55.5¢	97.4¢
10	Begonia Riseup	72	—	94.1¢
10	Begonia Rex - Mixture Only	72	—	\$1.51
11	Bidens <i>Patented Varieties</i>	105	29¢ —	57.8¢ 70.2¢
W	Bracteantha	105	—	66¢
13	Calibrachoa <i>Patented Varieties</i>	105	25.4¢ —	61.2¢ 66.8¢
14	Candy Corn Plant	105	—	69.1¢
14	Carnation Trailing	105	35¢	75.9¢
14	Chinese Lantern	105	25.4¢	70.2¢
14	Chlorophytum Spider	105	24.2¢	52.1¢
14	Cissus Tropical Ivy	72	—	85¢
15	Cleome - Patented Varieties	105	—	73.6¢
16	Coleus	105	16.1¢	49.5¢
15	Coreopsis	105	—	85¢
15	Cuphea	105	18¢	52.1¢
18	Diascia - Patented Varieties	105	—	71.4¢
18	Dorotheanthus Variegated	105	22.9¢	53.3¢
18	Dracaena Indivisa	105	—	63.4¢
19	Duranta	105	25.4¢	65.7¢
19	Evolvulus	105	18¢	51¢
19	Fern	72	—	82¢
20	Ficus Pumila	105	—	64.6¢
20	Fittonia	105	—	46.5¢
21	Fuchsia <i>Patented Varieties</i>	105	— —	53.3¢ 57¢
20	Gaillardia	105	—	82¢
22	Geraniums	72	—	94.1¢
20	Goldfish - Assorted Only	105	—	\$1.09
26	Helichrysum	105	19¢	55.5¢
26	Heliotrope	105	27.8¢	64.6¢
26	Hemigraphis	105	21.9¢	56.1¢
24	Herb <i>African Blue Basil, Mint, Oregano, Salvia*, Stevia*, Thyme</i> <i>Dwarf Basil, French Tarragon, Lavender*, Rosemary*</i> <i>Patented Varieties - Salvia Sallyfun and Splendens</i>	105	19.3¢ 24.2¢ —	57.8¢ 69.1¢ 83.8¢
25	Ipomoea Sweet Potato <i>Patented Varieties</i>	105	26.6¢ 33.8¢	57.8¢ 66.8¢

* These items not available in URC.

Page	2021-2022 Price List <i>Prices subject to change</i>	Tray Size	Unrooted Cuttings	Rooted Plugs
26	Iresine Chicken Gizzard	105	18.1¢	45.3¢
27	Jacobinia	105	—	\$1.08
27	Lamium	105	20.5¢	54.4¢
28	Lantana <i>Bright Orange, Lil' Miss, Magic Hour, Megan's Gold, Nugget Improved</i>	105	20.5¢ 25.4¢	53.3¢ 57.8¢
40	Leucanthemum	105	—	85¢
27	Lipstick Plant - Assorted Only	105	—	\$1.09
27	Lobelia <i>Patented Varieties</i>	105	22.9¢ —	54.4¢ 63.4¢
30	Lobularia - Patented Varieties	105	—	78.2¢
30	Lotus Vine	105	—	85¢
30	Lysimachia	105	19¢	53.3¢
38	Mums - Patented Varieties	105	—	47¢
40	Nemesia - Patented Varieties	105	—	65.7¢
40	Nepeta	105	—	53.9¢
42	New Guinea Impatiens <i>Patented Varieties - Harmony</i> <i>Patented Varieties - Strike, Sun Harmony</i>	105	25.4¢ — —	54.4¢ 69.1¢ 71.4¢
40	Osteospermum <i>Patented Varieties</i>	105	— —	54.4¢ 71.4¢
41	Oxalis	105	—	55.5¢
41	Pellionia	105	—	55.5¢
41	Penta Lanceolata	105	—	65¢
41	Peperomia	105	21.7¢	55¢
44	Pericallis	105	—	69¢
44	Perilla	105	18¢	55¢
44	Perovskia	105	—	68.2¢
46	Petunia <i>Littletonia, Cascadia, and Ray Series</i> <i>Crazytunia Series</i>	105	27.8¢ — —	56.7¢ 69.1¢ 75.9¢
45	Petunia SuperCal <i>Premium Series</i>	105	— —	69.1¢ 71.4¢
48	Phlox	105	—	69¢
48	Pilea <i>Moon Valley</i>	105	24.2¢ —	55¢ 75¢
49	Plectranthus - Green, Mint, Purple <i>Hilliardiae, Emerald Lace*, Upright Ciliatus*</i>	105	18¢ 27.8¢	53¢ 51¢
48	Plumbago	105	—	54¢
49	Purple Fountain Grass	72	—	85¢
49	Purple Passion	105	—	62.3¢
51	Purslane/Portulaca <i>Pazzaz Series</i> <i>Colorblast Series</i>	105	18.1¢ — —	52.1¢ 65.7¢ 69.9¢
52	Rhoeo	105	—	68.2¢
52	Sanchezia Nobilis	72	—	68.2¢
52	Scabiosa	105	—	82.5¢
52	Scaevola - Blue Fan Flower <i>Patented Varieties</i>	105	22.9¢ —	62.3¢ 73.6¢
53	Senecio Ivy <i>Wax Ivy Variegated</i>	105	20.5¢ —	49.9¢ 75¢
53	Setcreasea Purple Heart	105	25.4¢	68.2¢
53	Shrimp Plant	105	—	99.7¢
53	Sprenger Fern	105	—	56¢
55	Streptocarpella	105	26.6¢	54.4¢

* These items not available in URC.

Please see our website for more pricing options: <https://ncfarmsinc.com>

Rooted Plants grown in 105 plug trays are billed for 100 plants. Rooted Plants grown in 72 plug trays are billed for 70 plants.

Page	2021-2022 Price List <i>Prices subject to change</i>	Tray Size	Unrooted Cuttings	Rooted Plugs
55	Strobilanthes Persian Shield	105	—	70.2¢
54	Succulent Assorted - Aloe Vera, Crassula, Echeveria, General, Sedum, Sempervivum, Trailing <i>Exotic Assortment</i>	72	— —	96¢ \$1.10
43	Sunpatiens - Patented Varieties	105	—	75.9¢
55	Thunbergia	105	—	64.6¢
56	Tillandsia <i>**Can ship with rooted or unrooted orders</i>	100	64.6¢	—
56	Tolmiea Piggyback Plant	105	—	85¢
56	Torenia - Patented Varieties	105	—	66.8¢
57	Verbena <i>Patented Varieties</i>	105	20.5¢ —	57.8¢ 79.3¢
57	Veronica	105	—	82.5¢
58	Vinca Vine	105	15¢	55.5¢
58	Wandering Jew Burgundy, Green, Green Silver, Purple, Red <i>Bolivian, Bridal Veil</i> <i>Baby Bunny Bellies, Green Yellow, Lavender, Lilac*, Purple Fuzzy*, Rainbow, Tricolor*, White Fuzzy*</i> <i>Rhapsody Combo: four contrasting plants per cell</i>	105 72	18¢ 15¢ 27¢ —	46.5¢ 51¢ 56.7¢ 95¢
ASSORTMENTS				
7	<i>Alternanthera</i>	105	18.1¢	64.2¢
7	<i>Angelonia</i>	105	—	71.1¢
9	<i>Begonia Angelwing</i>	72	50.1¢	83.5¢
11	<i>Begonia Double</i>	105	30.1¢	67.5¢
13	<i>Calibrachoa</i>	105	27.7¢	73.2¢
16	<i>Coleus</i>	105	18.4¢	61.5¢
16	<i>Coleus All Mixed Up</i>	105	—	67.1¢
60	<i>Combo Trays</i>	105	—	84¢
21	<i>Fuchsia</i>	105	—	65.3¢
22	<i>Geranium</i>	72	—	\$1.06
	<i>Gesneriads</i>	105	—	\$1.09
20	<i>Goldfish Hybrid</i>	105	—	\$1.09
24	<i>Herb</i>	105	21.6¢	72.4¢
25	<i>Ipomoea Sweet Potato</i>	105	28.9¢	69.8¢
28	<i>Lantana</i>	105	22.9¢	65.3¢
38	<i>Mums</i>	105	—	59¢
38	<i>Mums - Early Sept., Mid Sept., Late Sept., Early Oct., Mid Oct.</i>	105	—	64.5¢
42	<i>New Guinea</i>	105	27.7¢	66.4¢
41	<i>Penta Lanceolata</i>	105	—	77¢
41	<i>Peperomia</i>	105	24¢	67¢
47	<i>Petunia - Mini or Trailing</i>	105	30.1¢	68.7¢
48	<i>Pilea</i>	105	26.5¢	67¢
49	<i>Plectranthus Swedish Ivy</i>	105	22.9¢	65¢
51	<i>Purslane</i>	105	20.5¢	64.1¢
51	<i>Purslane All Mixed Up</i>	105	—	68.6¢
54	<i>Succulent Assortments</i>	72	—	96¢
54	<i>Succulent Exotic Assortment</i>	72	—	\$1.10
37	<i>Super Assortment - Fairy, Foliage, Spring</i>	105	—	96¢
57	<i>Verbena</i>	105	22.9¢	69.8¢
58	<i>Vinca Vine</i>	105	18¢	67.5¢
58	<i>Wandering Jew</i>	105	22¢	62¢
EXTRAS				
59	Greenhouse Supplies - See website for pricing or call for quote	—	—	—
12	Ellepot s (Price per tray)	Case 10 Pallet 200	— —	\$3.75 \$3.30
35	Tags - By request only. Bundles of 100 <i>Less than 100 per variety</i>	100 <100	— —	4.5¢ ea. 7¢ ea.

* These items not available in URC.

Please see our website for more pricing options: <https://ncfarmsinc.com>

Rooted Plants grown in 105 plug trays are billed for 100 plants. Rooted Plants grown in 72 plug trays are billed for 70 plants.

Billing

Shipping

Payment Info

[illegible]

The No-No List: Patented Plants

Propagation is prohibited on patented plants. Don't say we didn't warn you.

Breeders included in this catalog are: Danziger, Dudden Orange, Ecke, Westhoff, Syngenta, Sakata, and Express. Other patented varieties include Belgian Mums, Ipomoea Bright Ideas, and the following Lantana: Bright Orange, Florida Mound Red, Florida Mound Fuchsia, Lil Miss, Megan's Gold, Magic Hour, & Nugget Improved. Our catalog prices include the royalty charges we pay for patented varieties.

Maximize your box size

- The number one way to lower your freight cost per plant is to order an even number of trays. Don't leave a dead space in the top of your box!
- The **8-tray box** is our **most economical** way to ship, and **carriers seem to handle it best**. Each tray weighs approximately five pounds, so the 8-tray box is harder to toss around. Avoid shipping damages by loading up your box.
- **Boxing charges are \$1.75 per tray on all rooted orders and \$3.00 per box for all unrooted orders.** This fee applies to all boxed orders for shipping or pick-up. An additional \$3.00 charge will be applied for insulated boxes when necessary. We determine which box to use based on weather at the time of shipment. Please let us know if you would like to try to avoid the insulation charge by delaying your shipment for weather.



We have multiple box sizes:

- Four-tray Boxes (24" x 22" x 12")
- Six-tray Boxes (24" x 22" x 15")
- Eight-tray Boxes (24" x 22" x 18")

Would you like tags with that?

- **Pixie Tags** are pictured tags 1" x 4" available in most varieties by specific color.
Note: Some plant families have only generic tags available. See website for details.
- Standard Order: sold in units of 100 per variety (\$4.50 per 100)
- Custom Order: sold in any quantity less than 100 (\$0.07 each)



Be sure to request tags when you order.

Pick up your plants and save on shipping!

If you'd like to come pick up your plants and save on shipping costs, please just give us at least 48 hours' notice so we can have your order ready. Pick-up is available Thursday-Friday for the months of January-April and Monday-Friday the rest of the year. Please indicate when you place your order that you plan to pick up your plants. Our facility is located just southeast of Charlotte, North Carolina. ***Supplies are not available to pick up at this time.**

Too far away to pick up your plants? Don't worry, we've got you covered.

- ▶ **You've told us how much you love our in-house delivery service.**
Feedback continues to be phenomenal, and we aim to please. Our trucks are by far the safest way to ship your plants. We look at all possible deliveries weekly and automatically move your order to our trucks whenever we can match or beat FedEx rates. Adjustable ship dates facilitate route planning and increase the chances of getting your plants on our truck. When you order, let us know if your ship dates are flexible.
- ▶ **FedEx is most common** for shipments in mild weather.
Unrooted orders ship overnight; rooted plants ship second-day. For this reason, **we cannot combine rooted and unrooted orders**. If weather is extremely cold, we will reschedule for the following week. *Provide your email address when you order to receive a tracking number at the time of shipment.*
- ▶ We also **ship by air** from Charlotte, North Carolina.
If you choose this method, you must pick up your shipment at your air cargo facility. There is a \$25 airport delivery fee in addition to freight charges for each order.

Wondering when your plants will ship?

Our system is set up by ship weeks, not ship dates. This is the industry standard. If your order is set for January 11, 2021, this means it should ship Week 2 of the calendar year. If your plants ship Monday, Tuesday, or Wednesday of that week, they have shipped on time.

- We ship **Monday through Wednesday** each week.
- We **cannot guarantee** that your order will go out on **Monday**.
- Your order is boxed on the **same day** that it ships.
- Provide your email address when you order to receive a tracking number at the time of shipment.
- In some cases, rescheduling of your shipment may occur. We will notify you as quickly as possible if this happens.
- Orders are served on a first-come, first-served basis. Orders placed a week or less in advance usually ship on Wednesdays. We do not guarantee Monday shipment on late orders.

Rooted Cuttings (RC)

Our rooted cuttings come ready to transplant with a healthy root system. These plugs **save you time and fuel costs** and can reduce the losses from rooting plants yourself.

Minimum order	4 trays
Min. per variety	35 plugs (105 tray) 35 plugs (72 tray)
Low order fee	\$8.00 per missing tray
Pricing/tray size	See pages 31-33



Our most common tray size is the 105. Its plug is 1" in diameter and 1.5" tall (25 x 40mm).



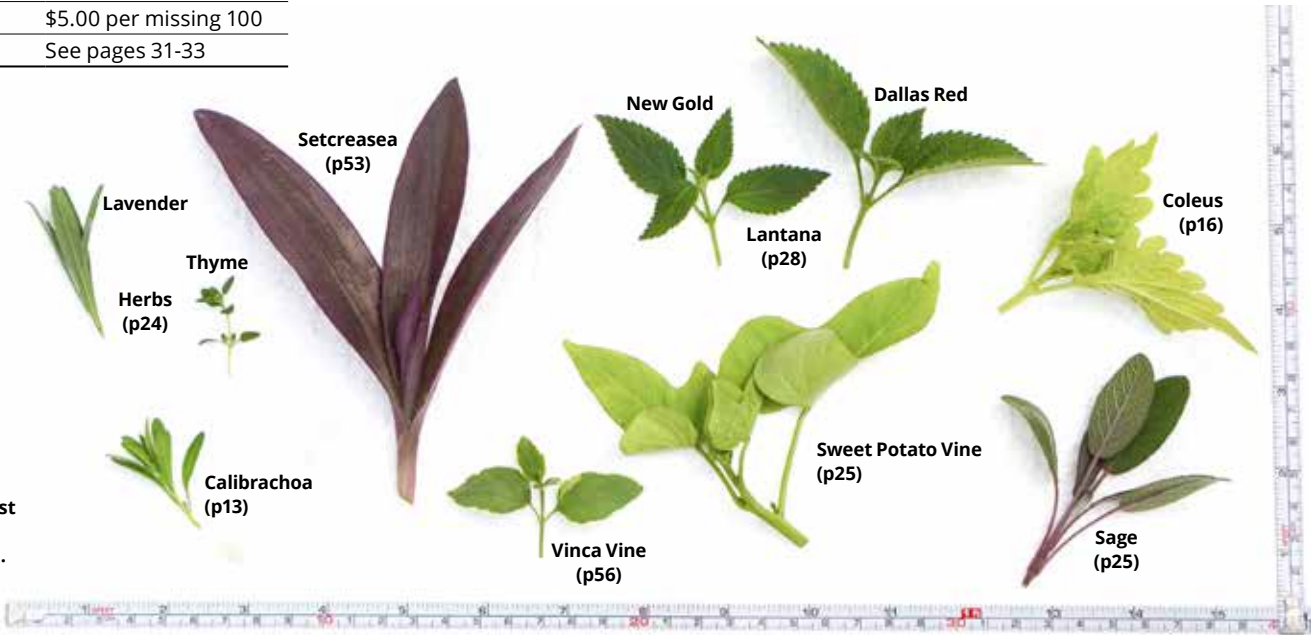
For plants with larger leaves, we use our 72-cell tray.
Plugs in this tray measure 1.18" in diameter and 1.57" tall (30 x 40mm).

Unrooted Cuttings (URC)

Minimum order	600 cuttings
Min. per variety	100 cuttings
Low order fee	\$5.00 per missing 100
Pricing	See pages 31-33

Unrooted cuttings vary in size between plant families, but most of them are tip cuttings that stick nicely in our 105 plug tray. (Ivy are leaf-and-eye cuttings, not tips.)

Unrooted cuttings require experienced propagators with mist systems and proper temperature control.



Small Orders, Big Variety

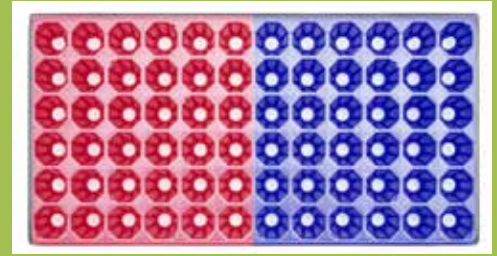
In an effort to serve our smallest customers, we've created a variety of ways to order small quantities of individual plants. Our four tray order minimum is already one of the lowest on the market--these partial trays and assortments make it possible to get the biggest variety in the smallest amount of space!

For growers who aren't picky, our assortments and combination trays are the best value. They allow us to ship beautiful surplus stock based on availability at the time of order fulfillment. Our crew choose high quality plants of varied color for each tray.

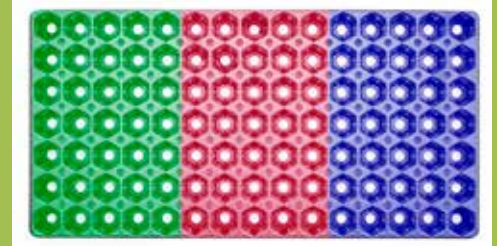
For those of you like to be in control, we've also added the possibility to order partial trays with any color and variety of your choosing--as long as the cell count matches (see diagram, right).

No matter your needs, big or small, **we're here to grow your business.**

50-cell trays will come with **two varieties**, 25 of each color.



105-cell trays come with **three varieties**, 35 of each color.



Assortments	Split Trays	Combo Trays	Super Assortments
2-3 varieties per tray	2-3 varieties per tray	5 varieties per tray	7 varieties per tray
Within same plant family*	Any plant family (cell count must match)	Multiple plant families good for combination baskets†	Multiple plant families good for combination baskets
No specific requests**	Can specify plant and color	No specific requests**	No specific requests**
12¢ above list price‡	17.5¢ above list price‡	84¢ per plant	96¢ per plant

* See price list on page 33 for a complete list of assorted trays.

**This mystery assortment is chosen the day it's pulled.

† See pages 60-61 for all combo tray selections.

‡ On average. Prices may vary.

Super Assortments


- 1. Super Spring Assortment:** Blooming spring annuals, like Impatiens, Begonias, Verbena, Petunias, and more.
- 2. Super Foliage Assortment:** Year-round sellers, like Wandering Jew, Swedish Ivy, Pilea, Peperomia, and more.
- 3. Super Fairy Garden Assortment:** Delicate-looking plants suited for fairy gardens, like Bacopa, Cuphea, Diascia, Lysimachia, Nemesia, Oregano, Pilea, Thyme, and more.




Super Fairy Garden Assortment

Mums - Belgian

Belgian Mums® are the **finest garden mums** on the market today, with over **30 years of breeding and testing behind them**. They boast a mounding habit, produce a multitude of blooms, **branch better** and more often than other mums, and **require no pinching**.

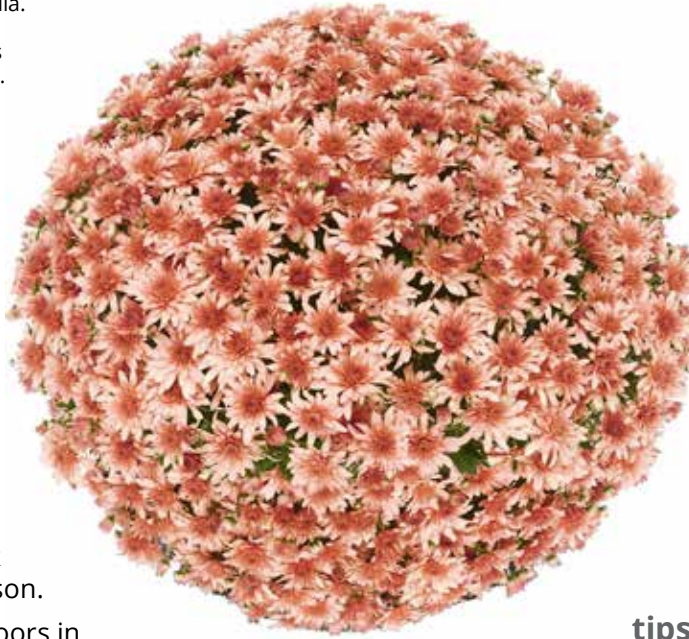
 Use a well-drained, loose, soilless media. Incorporate slow-release fertilizer to ensure a steady supply of nutrients if crops are grown outside with overhead irrigation. Maintain **pH 5.8-6.2**. Grow in full sun for best quality.

 Aphids, Mites, Caterpillars, Leafminers, and Thrips

Low Maintenance — Do not require pinching or plant growth regulators.

Easy to Grow — Require no supplemental lighting or black cloth during a natural bloom season.

Flexible — Grow anywhere outdoors in the full sun.



8" crop time	12 weeks
Light	Full sun
Min night temp	50°
Water usage	Moderate
Bloom period	See table

**All Mum varieties are patented.*

***See our website for helpful growing tips and more information:**
ncfarmsinc.com/BelgianMums

EARLY SEPTEMBER			MID SEPTEMBER			LATE SEPTEMBER			EARLY OCTOBER			MID OCTOBER		
	N	S		N	S		N	S		N	S		N	S
Fonti Red	35.5	37	Camina Red	36.5	37.5	Amadora Red	37	38	Jasoda Red	40	41	Aduro Red	40.5	41.5
Granata Red	36	37	Vega Red	36	37.5	Arluno Red	38.5	38.5	Lava Red	39.5	40	Contiki Red	41	42
Urano Red	35.5	36.5				Como Red	39	40.5	Thera Red	40	40.5	Soul Sister Red	41.5	42.5
						Pobo Red	37	38				Staviski Red	40.5	41.5
						Savona Red	38	39				Vigorelli Red	41.5	42
Allegra Yellow	35.5	36.5	Akilon Gold	36.5	37.5	Arluno Yellow	38.5	38.5	Aluga Yellow	39	40.5	Mouria Yellow	41.5	42
Fonti Yellow	35.5	37	Venos Yellow	36.5	37.5	Cesaro Yellow	38	39	Amiko Yellow	38.5	40	Soul Sister Yellow	41.5	42.5
Sinelli Yellow	35.5	37				Conaco Yellow	38	39	Jasoda Yellow	40	41	Staviski Yellow	40.5	41.5
Urano Yellow	36	37				Conella Yellow	37.5	38	Possidi Yellow	38.5	40			
						Espero Yellow	38	39	Veritas Yellow	39.5	40			
						Matador Yellow	37	38						
						Padre Yellow	37.5	38.5						
Fonti Orange	35.5	37	Conella Orange	37.5	38	Arluno Orange	38.5	38.5	Amiko Bronze	38.5	40	Aduro Orange	40.5	41.5
Mika Orange	35.5	37	Destino Orange	37	38.5	Conaco Gold	38	39	Izola Orange	39	39.5	Antica Bronze	40	41.5
Urano Orange	35	36.5				Conaco Orange	38	39	Jasoda Orange	40	41	Soul Sister Orange	41.5	42.5
						Miora Orange	37.5	39	Veritas Orange	39.5	40	Staviski Orange	40.5	41.5
						Nerola Orange	37.5	39				Vigorelli Orange	41.5	42
						Padre Orange	37.5	38.5						
						Peroni Orange	38	39						
						Rhinos Orange	37.5	39						
			Adiva Purple	37	37.5	Arluno Purple	38.5	38.5	Amiko Violet	38.5	40	Aduro Purple	40.5	41.5
			Pobo Lavender	36	37.5	Magnus Violet	38	39	Galatino Purple	39.5	41	Mefisto Purple	41	42
						Padre Cerise	37.5	38.5	Jasoda Purple	40	41			
						Padre Lilac	37.5	38.5	Lano Purple	39	39.5			
						Zaza Purple	37.5	38.5	Pomona Violet	39	40			
Fonti White	35.5	37	Lesconil White	37	38	Arluno Vanilla	38.5	38.5	Aluga White	39	40.5	Soul Sister White	41.5	42.5
Mabel White	36	37	Prima White	36	37.5	Espero White	38	39	Amiko White	38.5	40	Staviski White	40.5	41.5
						Padre White	37.5	38.5	Jasoda White	40	41			
									Possidi White	38.5	40			
Fonti Coral	35.5	37				Arluno Dark Pink	38.5	38.5	Jasoda Pink	40	41	Aduro Pink	40.5	41.5
Fonti Dark Pink	35.5	37				Arluno Pink	38.5	38.5				Soul Sister Dk Pink	41.5	42.5
Fonti Pink	35.5	37				Livia Lavender	38.5	39.5				Soul Sister Pink	41.5	42.5
												Stavisky Pink	40.5	41.5
												Vigorelli Violet	41.5	42

*N = North, S = South. Chart headings based on southern bloom times. All week numbers are given as the average natural season flower date. Growing conditions may vary. See our website for images and growing information.

EARLY SEPTEMBER			MID SEPTEMBER			LATE SEPTEMBER			EARLY OCTOBER			MID OCTOBER		
	N	S		N	S		N	S		N	S		N	S
Aideen™ Red	37	37	Bonnie™ Red	37	37.5	Brandi™	39	39.5	Ashley™ Red	40.5	41	Kathleen™ Dark	42	42.5
Fire			Danielle™ Red	38	38.5	Burgundy			Autumn Sunset™	40.5	41	Red		
Samantha™	36	36	Hestia™ Hot Red	37	38	Christina™ Red	39	39.5	Cheryl™ Jolly Red	40.5	41	Rhonda™ Red	42.5	43.5
Red			Patty™	37.5	38.5	Mila™ Red	38.5	39	Cynthia™ Scarlet	40.5	41.5			
			Pomegranate			Tabitha™ Scarlet	37.5	39.5	Edana™ Red	40.5	41.5			
									Hailey™ Red Bze	39	40.5			
									Wanda™ Red	39	40			
Brittany™ Yel.	36.5	37	Chelsey™ Yellow	38	38.5	Beverly™ Gold	38.5	39	Cheryl™ Golden	40.5	41	Bethany™ Yel.	40.5	41.5
Michelle™ Gold	36	36.5	Dawn™ Yellow	37.5	38	Chloe™ Yellow	38.5	39	Cheryl™ Sparkling	40.5	40.5	Makayla™ Yel.	41	41.5
Tanya™ Yel.	36.5	36.5	Elena™ Gold	37.5	37.5	Okra™ Yellow	38.5	39.5	Yellow			Nikki™ Yel.	41	42
			Gigi™ Gold	38	38.5				Hailey™ Gold	39	40.5	Rhonda™ Yel.	42.5	43.5
			Gigi™ Yellow	38	38.5				Hankie™ Yellow	39.5	40	Stephany™ Yel.	42.5	43
			Jacqueline™ Yel.	37	38				Mary™ Yellow	39	39.5			
			Ursula™ Sunny	37	38				Wilma™ Yellow	39	40			
			Yellow						Yolanda™ Yellow	38	39			
									Yvette™ Yellow	40	41			
Hannah™ Or.	36.5	37	Electra™ Amber	37	37.5	Aubrey™ Orange	38.5	39	Cheryl™ Spicy Or.	40.5	41	Nikki™ Bronze	41	42
Keeley™ Or.	36.5	37.5	Gigi™ Orange	38	38.5	Beverly™ Bronze	38.5	39	Hailey™ Orange	39.5	40.5	Nikki™ Orange	41	42
			Jacqueline™	37.5	38	Beverly™ Dk Bze	38.5	39	Makenna™ Orange	41	41	Rhonda™ Bze	42.5	43.5
			Orange Fusion			Beverly™ Orange	38.5	39				Stephany™ Bze	42.5	43
			Ursula™ Fancy Or	37	37.5	Miranda™ Orange	38	39						
			Ursula™ Jazzy	37	37.5	Stacy™ Dazzling	38	39.5	Yvette™ Orange	40	41			
			Coral			Orange			Bicolor					
Arlette™ Pur.	36.5	37	Danielle™ Purple	38	38.5	Brooke™ Dk Pink	38	40	Cheryl™ Regal Pur.	40.5	41	Emelda™ Purple	41	42
			Gigi™ Dark Pink	38	38.5				Wanda™ Purple	39	40	Nikki™ Dark Pink	41	42
			Jacqueline™ Pink	37.5	38							Rhonda™ Purple	42.5	43.5
			Patty™ Purple	37.5	38.5									
			Veronica™ Dk Pk	37.5	38									
Edith™ Wh	36.5	36.5	Bertha™ White	37	37.5	Addison™ White	39	39.5	Cheryl™ Frosty	40.5	41	Mildred™ White	41.5	42
Shannon™ Wh.	36.5	36.5	Chelsey™ White	38	38.5				White			Rhonda™ White	42.5	43.5
			Gigi™ Snow	38	38.5				Makenzie™ White	39.5	40.5			
			Jacqueline™	37	38				Wilma™ White	39	40			
			Pearl											
			Katie™ White	37	37.5									
			Vanna™ Snow	37.5	38									
			Debbie™ Hot Pnk	37	39	Chelsey™ Coral	39	39.5	Cheryl™ Pink	41	41.5	Nikki™ Pk Bicolor	41	42
			Gigi™ Coral	38	38.5	Chelsey™ Pink	38.5	39				Rhonda™ Pink	42.5	43.5
			Jacqueline™	37.5	38	Stacy™ Pink	38	39						
			Peach Fusion			Wanda™ Lavend.	38.5	39.5						
			Jacqueline™ Rose	37	38									
			Marsha™ Pink	37	37.5									
			Ursula™	37.5	38									
			Lavender											

*N = North, S = South. Chart headings based on southern bloom times. All week numbers are given as the average natural season flower date. Growing conditions may vary. See our website for images and growing information.

Yoder Mums from Syngenta Flowers have a long history of **industry-leading performance** combined with **outstanding quality**. Yoder Mums have always been associated with **easy growing**, full technical support for planning and growing questions, and **exceptional value** for the consumer.

Maximize freight


Need less than 8 trays of mums?


Reduce your cost per plant by ordering complementary plants to fill out the empty space in your box. Next season's Ferns benefit from an early start — or try hardy perennials for your 4" pots, or Dracena and other fast-growing foliage plants for fun fall combos!



Leucanthemum

These **Shasta Daisy** cultivars were bred for their unique blooms and longer bloom times. They are **deer-resistant**, attract **pollinators**, and make a wonderful addition to **beds, pots, and cutting gardens**.

 Likes an average, well-drained soil with a **pH of 5.5-6.8**. Use **50-100 ppm N** weekly, and allow to dry moderately between waterings.

 Aphids and slugs

4" crop time	6-8 weeks
Hardy Zone	5-9
Light	Full sun
Night temp	60°
Water usage	Moderate
Bloom period	Summer



Coconut




Lucille Grace




Victorian Secret

Nemesia

This South African native sports a unique bloom shape that sets it apart from everything else you grow. Nemesia perform well as **outdoor garden plants** and load up with multi-colored blooms sure to catch a customer's eye. Grow them in **small pots** for a quick-turn product to pair with your pansies and other cool temperature landscape plants.

 Feed at **150-200 ppm N**. Maintain a **pH of 5.8 - 6.0** and an **EC of 1.0 - 1.2**. Pinch 5-10 days after transplanting rooted cuttings. Use high light intensities to control growth. If needed, Danziger recommends the PGR **B-Nine 3750 / A-rest** 10 ppm tank mix.

 Whiteflies, aphids, thrips

4" crop time	5-6 weeks
10" crop time	9-11 weeks
Light	Full/partial sun
Night temp	55°
Water usage	Moderate
Bloom period	Spring/Fall



We offer the following patented varieties:

- Bananaberry • Denim • Sunshine
- Banana Swirl • Inca • Tropical
- Burgundy • Magenta • Tutti Frutti
- Dark Blue • Snow Angel

Nepeta

Also known as **Catmint**, these varieties offer low-maintenance, perennial blooms that **attract pollinators** and are **deer-resistant**. Hardy in zones 3-8 and drought-tolerant, Nepeta make a wonderful addition to **mixed containers** and works well as **groundcover** or in the front of **borders**.

4" crop time	6-8 weeks
Zone	4
Light	Full sun to partial shade
Night temp	55°
Water usage	Light-moderate
Bloom period	Summer




Hederacea




Kit Kat




Walkers Low


 Thrives in poor, well-drained soil. Maintain a **pH between 6.0 - 6.6**. Use a constant feed program of **100-150 ppm N**. Drought tolerant once established. Space adequately or use PGRs to avoid stretching.

 No major problems, but watch for aphids, leafhoppers, slugs, spider mites, or whiteflies

Osteospermum

The **Cape Daisy** or **Blue-eyed Daisy** is a **mild-climate perennial** originating in South Africa, but this high-performing flower makes a **fantastic annual** in the rest of the country. Use these in your **spring program** along with pansies and other cool crops to get a spread of color in your garden center for the early-season shoppers.

 Use a **constant feed program of 200 ppm N**. Maintain a **pH between 6.0 - 6.2**.

 Whiteflies, leafminers, and thrips

4" crop time	8-10 weeks
10" crop time	12-14 weeks
Light	Full sun/partial shade
Night temp	55°
Water usage	Moderate
Bloom period	Early spring/Fall

**Osteospermum not available in URC*

Non-Patented Varieties



Blushing Yellow



Lavender



Purple

Also available in these patented series:

- Ostica Series
- Osticade Series

Oxalis

Native to North America and **hardy through zone 7**, Oxalis can be used in **landscape applications** or in **hanging basket production**. Unlike other Oxalis varieties, **these sterile varieties are non-invasive**.

**No URC*



Maintain a **high humidity**, but allow the soil to become visibly **dry between waterings**. Use a **light feeding program (150 ppm)** with a balanced fertilizer.



Mealy bugs

4" crop time	4-6 weeks
10" crop time	8-10 weeks
Light	Full to Partial Sun
Night temp	60°
Water usage	Moderate



Burgundy



Golden

Pellionia

Sometimes spelled *pellonia* and commonly called **Trailing Watermelon Begonias**, these annuals are native to Southeast Asia. They're handy to have around your garden center as a year-round **house plant** or **terrarium plant**. Grow them in 4" pots for landscape use as an effective **groundcover** in warmer areas. Pellionia do flower, but they are typically **used for their foliage and tight growth** patterns. Non-patented.

**Pellionia not available in URC*



Grow in a humid environment using a **constant feed program of 150 ppm N**. Maintain a **pH between 5.8 - 6.2**.



No significant pest problems

4" crop time	8 weeks
10" crop time	12 weeks
Light	Partial shade
Night temp	60°
Water usage	Light-Moderate
Bloom period	Grown for foliage



New Emerald Green



Watermelon

Penta Lanceolata

Egyptian Star Flower, or **Star Cluster**, is native to the Arabian Peninsula and eastern Africa. It has an evergreen, upright bushing habit, growing 12-24" tall. Commonly used for **annual borders, mixed containers, or houseplants**. **No URC*



Prefer hot, humid environments and **well-drained soil** with a **pH of 6.4 - 6.8**. Allow to dry slightly between waterings to avoid root rot. **Drought-tolerant**, but avoid excessive drought because the stress can make them susceptible to spider mites. Deadhead regularly to keep plants blooming.



Aphids, spider mites, caterpillars

Not Pictured:

- Compact Lavender
- Nova
- Ruby Red

4" crop time	6-8 weeks
10" crop time	8-10 weeks
Zone	6
Light	Full sun
Night temp	65°
Water usage	Moderate
Bloom period	Summer



Crimson Star



Orchid Star



Silver Star



Southern Star

Peperomia

Also called **Baby Rubber Plant**, these annuals are native to Mexico and South America. While they bloom seasonally, they are grown for their **distinct foliage and ease of care**. Use Peperomia as a **cascading evergreen** in your **combo planters, hanging baskets**, or small containers as an indoor **houseplant**. Non-patented. **No URC*



Use a constant feed program of **150-200 ppm N**. Maintain a **pH between 5.8 - 6.2**. Grow in an area of high humidity with no direct sun.



Mealybugs, spider mites, and whiteflies

Available in an assorted tray.

4" crop time	6 weeks
10" crop time	8-10 weeks
Light	Partial shade
Night temp	60°
Water usage	Light-Moderate



Cupid



Glabella



Green Scandens



Trinervula




Variegated Scandens*

New Guinea Impatiens



Harmony
Sweetheart Orange

Named for their native habitat of Papua New Guinea, these Impatiens have been a mainstay in spring and summer programs since their introduction to the US in 1972. Years of **breeding and hybridization** have made this plant a **versatile choice in landscapes, baskets, and combination planters**. Varieties listed are patented.

 Use a **constant feed program of 100-150 ppm N**. Maintain a **pH between 5.8 - 6.2**. New Guineas are very susceptible to salts injury so ensure proper run-off and plan for a clear water drench weekly.

 Spider mites and thrips

Strike



Orange



Orchid



Plum

Harmony



Apricot Cream



Blush



Bicolor Red



Bold Red



Dark Violet



Fire



Purple Cream



Sweetheart Rose

Not Pictured:

- Bubble Gum
- Candy Cream
- Dark Lavender
- Dark Lilac
- Dark Pink
- Dark Red
- Deep Magenta
- Deep Red
- Deep Salmon
- Fuchsia Cream
- Magenta
- Marshmallow Cream
- Orange
- Orange Blaze
- Orange Star
- Pastel Lavender
- Perfect Pink
- Pink Cream
- Pink Smile
- Radiance Hot Pink
- Radiance Lilac
- Radiance Magenta
- Radiance Pink
- Radiance Scarlet
- Raspberry Cream
- Red Cardinal
- Salmon Cream
- Snow
- Tangerine
- Violet
- White

Sun Harmony



Blushing Orchid



Deep Orange



Deep Pink



Scarlet



White


Not Pictured:

- Compact Lavender
- Magenta
- Purple
- Red
- Salmon
- Violet
- Vivid Pink



SunPatiens® are **revolutionary new hybrids** bred by Sakata to be **vigorous, sun-loving, heat-loving** impatiens that thrive in full sun or part shade and deliver **continuous color from spring through frost**. Whether used in baskets, window boxes, patio pots, or landscapes, these beautiful varieties combine massive flower power with **tough, low-maintenance plants**. They come in two distinct habits: **compact and vigorous**.

 Use a **constant feed program of 100 ppm N**. Maintain a **pH between 5.8 - 6.3**.

 Spider mites, thrips, and shore flies

**All SunPatiens varieties are patented.*



For a complete list of all varieties, visit:
ncfarmsinc.com/SunPatiens

For more detailed growing tips from the breeders, download a pdf of cultural info:
ncfarmsinc.com/SunPatiensPDF

4" crop time	4-6 weeks
10" crop time	10 weeks
Light	Sun/shade
Night temp	55°
Water usage	Moderate
Bloom period	Spring/Summer/Fall

Compact SunPatiens® are bred for shorter internodes and excellent branching for a dense, bushy plant and strong retail appeal.



Blush Pink



Coral Pink



Deep Rose



Electric Orange



Hot Coral



Hot Pink



Orchid



Orchid Blush



Pink Candy



Rose Glow

Not Pictured:

Compact

- Lilac
- Orange
- Purple
- Red
- White

Vigorous SunPatiens® have a mounding habit ideally suited for baskets and premium patio pots.



Lavender Splash



Orchid



Pink Kiss



Rose Pink



Tropical White

Vigorous

- Orange
- Red
- Tropical Orange

Pericallis

Pericallis Senetti (also known as **Common Ragwort**) is a landscape perennial native to the Canary Islands. These Senetti hybrids are bred for outdoor annual performance in the garden. They have a **compact mounding habit** of 12-24 inches tall and 12-18 inches wide, and they perform particularly well in cool weather. With care they can bloom twice--in the spring and again in the fall.

Use in **large planters, mixed containers, or landscape borders.**
Patented.

10" crop time	14-16 Weeks
Hardy Zone	9-11
Light	Partial sun
Night temp	50-55°
Water usage	Moderate
Bloom period	Spring, Fall

Use a **well-drained soil** in partial shade with **heavy feed** (250 ppm nitrogen) and 20-10-20 during the first month after transplant. Use a 10-30-20 fertilizer for the three weeks before you plan to begin selling. Maintain a **pH of 5.5 - 6.0**.

Aphids, thrips, whiteflies, spidermites

Hybrids



Blue



Blue Bicolor



Light Blue Bicolor



Baby Blue



Baby Blue Bicolor



Baby Magenta



Magenta



Magenta Bicolor



Magic Salmon



Baby Magenta Bicolor



Baby True Blue



Pink Bicolor



Super Blue



Violet Bicolor

Perilla

This upright, spreading annual is a **relative of the Coleus family** and is easily confused for its cousin by the untrained eye. Greenhouse-grown Perilla have green leaves that turn burgundy in the full sun. As a low-maintenance plant that grows in sun or shade, it's an excellent choice for **containers, baskets or landscape use**. Perilla mix well with Verbena, Calibrachoa, and Bacopa as they all have similar growing needs.

Use a **constant feed program of 150-200 ppm N**. Maintain a **pH between 6.0 - 6.5**.

Aphids and whiteflies

4" crop time	6 weeks
10" crop time	10 weeks
Light	Full sun
Night temp	50°-60°
Water usage	Moderate



Perilla Tricolor

Perovskia

In spite of its name, **Russian Sage** is a perennial landscape plant native to the Himalayas and Western China. It has an **upright open habit**, reaching 3-5 feet tall and 2-4 feet wide. Its **landscape applications** include mass plantings, individual spots of color, in borders, and as dividing hedges. It resembles Lavender, but is **hardier in cold climates**.

Can tolerate poor soil, prefers well-drained soil with a **pH 5.8-6.5**. Use **150 -200 ppm Nitrogen** and allow to dry slightly between waterings. Deadhead in the late summer for a second flush of color.

Aphids, leaf hoppers, spider mites and whiteflies

4" crop time	10-12 Weeks
Hardy Zone	4-9
Light	Full sun
Night temp	55°-65°
Water usage	Light
Bloom period	Late Summer




Little Spire




Russian Sage



SuperCal® hybrids were created by Sakata to combine the best aspects of Petunias and Calibrachoa into one plant. From the Petunia side, SuperCal® have **strong roots and large flowers**; from the Calibrachoa genes they have **vibrant colors** that hold up well in harsh conditions. **Early flowering** make these hybrid Petunias desirable additions to a spring program-- for those shoppers looking for color before traditional plants are ready. Grow them for **beds, hanging baskets**, or as flowering cascaders in your **combination pots**.

 Use a constant feed program of **250-300 ppm N** with an **EC level between 1.5-2.0**. Maintain a **pH between 5.5 - 6.0**. Apply extra iron to promote good leaf color.

 Aphids, leafminers, whiteflies, and thrips



Cinnamon and French Vanilla

**All SuperCal® varieties are patented.*



Blue



Cherry Improved



Lavender Star



Light Yellow

4" crop time	6 weeks
10" crop time	8-11 weeks
Light	Full sun
Night temp	50°
Water usage	Moderate
Bloom period	Spring/Summer/Fall



Pink Improved



Rose



Royal Red



Snowberry White



Violet

Premium Series

Not Pictured:

- Purple Dawn
- Sunset Orange
- White
- Yellow Sun



Bordeaux



Caramel Yellow



Cinnamon



French Vanilla



Sunray Pink



Imagination Series
Winter Jadis

These classic hanging basket flowers are originally from South America. No spring program is complete without the vibrant colors Petunias bring to your garden center display. With bigger flowers than Calibrachoa, these plants put on a show to attract customers. They work well in **hanging baskets** or as a **flowering cascader** in **combination baskets**.

Patented Varieties

For a complete list of varieties, visit ncfarmsinc.com/Petunias

Cascadia Series



Autumn Mystery



Fantasy Hot Pink



Indian Summer



Rim Violet

Littletonia Series



Bicolor Illusion



Pink Splash



Purple Blue



White Grace

Ray Series



Classic Blue



Bordeaux



Fuchsia



Pistachio Cream

Crazytunia Series



Black Mamba



Blackberry Cheesecake



Cosmic Purple



French Kiss



Mandeville



Moonstruck



Pulse



Terracotta

Non-Patented Varieties

4" crop time	4-6 weeks
10" crop time	8-10 weeks
Light	Full sun
Night temp	55°
Water usage	Moderate
Bloom period	Spring/Summer/Fall

Use a **constant feed program of 250-300 ppm N** with an **E.C. between 1.5 - 1.8**. Remember to leach periodically in order to prevent salt build up. Maintain a **pH between 5.8 - 6.2**.

Whiteflies, aphids, leafminers, and thrips

Available in these assortments:

- Mini
- Trailing

Trailing Series



Blue Velvet



Lime



Pink



Purple



Red



Soft Pink



Violet



White

NEW Imagination Series (Trailing)



Cair Paravel



Deep Magic



Dragon's Hoard



Fledge



Lion's Mane



Lord Drinian



Pevensie Purple



Polly Pink



Rathmandu



Turkish Delight



Winter Jadis

Mini Series



Deep Velvet



Little Joy



Plum Vein



Purple



White Improved



Wine Red

Our **Nanotunia** has the classic shape and rich color of a Petunia, but in an ultra-compact growth habit with adorable tiny blooms. Perfect for fairy gardens!



Dufflepuds

Phlox

Native to eastern North America, **Phlox** are perennial plants with an upright habit, reaching 24-30 inches tall and 18-24 inches wide. They love **full sun** are commonly used in **borders and medium containers**.

Use a **constant feed program of 75-125 ppm N** with a **balanced fertilizer**. Maintain a **pH between 5.8 - 6.2**.

Aphids, spider mites, whiteflies, and powdery mildew

Gallon crop time	10-12 Weeks
Hardy Zone	4-8
Light	Full sun
Night temp	60°-65°
Water usage	Light
Bloom period	Spring/Summer



Bright Eye



Coral Creme Drop

Plumbago

Also known as **Leadwort** or **Cape Plumbago**, this landscape shrub is a tender perennial native to South Africa. Plumbago typically grows 24-28 inches tall and has an arching, upright habit, which can be trained to vine on a trellis. It is most commonly used in **containers** and **borders**, and its prolific blooms add Phlox-like blue flowers to sunny borders all summer.

Use a **well-drained soil** in full sun with **moderate feed** (225-300 ppm nitrogen 1x/wk or 175-225 ppm nitrogen constant feed) and a **pH of 5.8 - 6.2**. Maintain a media EC of 1.5-2.0 mS/cm.

Chili thrips and mites

**Not available as URC*

4" crop time	8-12 Weeks
Hardy Zone	9-10
Light	Full sun
Night temp	62°
Water usage	Moderate
Bloom period	Summer



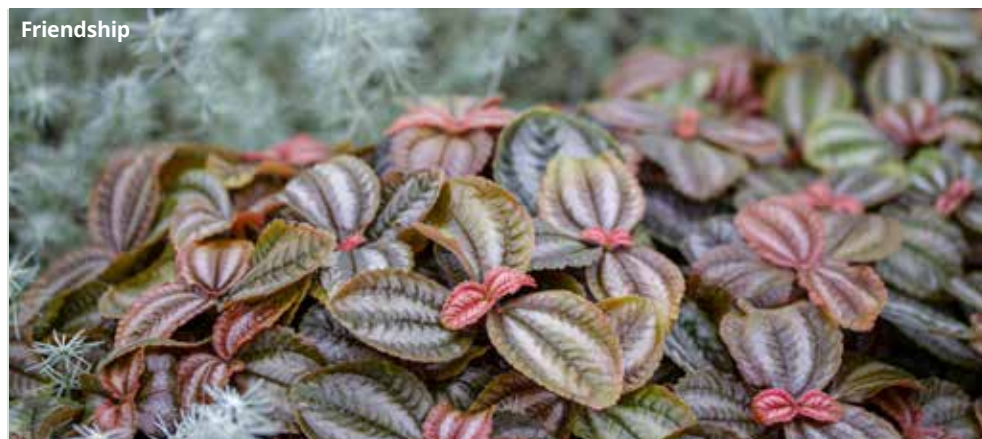
Imperial Blue

Pilea

Originally from Mexico and Brazil, Pilea can be grown as annual foliage, as houseplants, or in fairy gardens and terrariums. Their **evergreen summer toughness** makes them a good choice for garden centers to have on hand through the hot part of the year. Customers will enjoy them in **small pots** for desks or **hanging baskets** for porches after their flowering plants have succumbed to the heat. Non-patented.

Grow in a high-humidity environment using a **constant feed program of 150-200 ppm N**. Maintain a **pH between 5.8 - 6.2**. If grown in a dry environment (like most homes), **create humidity for the plant** by growing in a pot that sits in a saucer full of rocks. The saucer should be about 1/2 full of water, and the water should never touch the pot with the plant.

Mealybugs and spider mites



Aluminum Plant



Artillery



Baby Tears



Creeping Charlie



Dark Mystery*



Moon Valley*



Red Stem




Tiny Tears


4" crop time	4-6 weeks
10" crop time	8-10 weeks
Light	Shade/partial shade
Night temp	55°
Water usage	Light-Moderate

Available in an assorted tray

**Not available as URC*

Swedish Ivy are **evergreen annuals** from Africa, Asia, and the Pacific Islands. Grown for their colored foliage, these plants are best used in **hanging baskets** or **cascading elements** in mixed containers. Our trailing varieties can **make well-formed baskets quickly** and provide summer sales in the hot months when blooming plants have passed their peak. Preferring partial sun, market these as **porch plants** with morning or late afternoon sun.

 Grow in a humid environment using a constant feed program of **150-200 ppm N**. Maintain a **pH between 6.0 - 6.5**. If in a dry environment (like most homes), **create humidity for the plant** by growing in a pot that sits in a saucer full of rocks. The saucer should be about 1/2 full of water, and the water should never touch the pot with the plant.

 Mealybugs and spider mites

4" crop time	6 weeks
10" crop time	8 weeks
Light	Partial sun
Night temp	60°
Water usage	Moderate

Upright Varieties



Ciliatus Gold*



Ciliatus White*



Hilliardiae Red

Trailing Varieties



Emerald Lace*



Green




Mint




Purple

Available in an assorted tray. Non-patented
*Not available as URC

This warm-season grass reaches a finished height of 30 inches or more. They are good for **landscaping or in large combination planters**. Purple Fountain Grass produce long, wheat-like blooms with purple seedheads that have a fuzzy, hairy feel to them. They are **tender-hardy** and will survive in zones 9 and higher. They make a wonderful annual for the rest of us, as these plants are normally disease- and pest-free and remarkably **easy to grow**. Non-patented.

 Use a constant-but-low feed program of **200 ppm N**. For healthiest plant color, keep **pH between 5.5 and 6.5**. Do not allow the plant to stay saturated or it will develop root rot and fungus problems.


 Do not typically attract pests, but watch for mealybugs

4" crop time	6 weeks
10" crop time	8-10 weeks
Light	Full sun
Night temp	60°
Water usage	Light
Bloom period	Spring/Summer/Fall



Purple Fountain Grass

The **Gynura** plant was originally discovered on the island of Java in Indonesia. Its unique leaves sport fuzzy hairs that give it a purple glow, and its trailing habit makes it an excellent choice for **combination pots, hanging baskets, or bedding plants**. The interesting foliage has kept Purple Passion in constant use as a houseplant for over 200 years, despite the odor of its blossom.

 Use a **balanced fertilizer** on a **constant feed program of 200 ppm N**. Maintain a **pH between 5.5 - 6.0**.

 Aphids

4" crop time	6 weeks
10" crop time	8-10 weeks
Light	Full shade
Night temp	60°
Water usage	Light

Non-Patented Varieties



Purple Passion



Purple Passion
Variegated

*Gynura are not available as URC.

If you have plants, you're going to have bugs. It's a fact of life for any grower.

What to do about those bugs is not always simple or straightforward—a truly integrated pest management program focuses on **prevention**, **monitoring**, and **control**. In this article, we're going to focus simply on **control** through the use of our favorite beneficial insects.

Know your pests! See if you can identify these common pests. Answers at bottom of page.



Our Top 10 Beneficial Insects for Pest Control:

- 1) Phytoseiulus persimilis
- 2) Neoseiulus californicus
- 3) Aphidius colemani / Aphidius ervi (Mix)
- 4) Orius insidiosus
- 5) Steinernema feltiae
- 6) Dalotia coriaria
- 7) Encarsia formosa / Eretmocerus eremicus (Mix)
- 8) Trichogramma brassicae
- 9) Stratiolaelaps scimitus
- 10) Amblyseius swirskii & Amblyseius cucumeris

For more on these bugs, see the full article on our blog:
ncfarmsinc.com/articles/top-ten-beneficial-insects-for-commercial-greenhouse-production/



Words of Caution about Beneficial Insects:

1) Though predator bugs are great at control, they will not correct infestations. Beneficial insects need to be used before a large outbreak occurs because they are good at controlling low numbers and keeping plants clean. We have not found them to be effective against large infestations.

2) Beneficial insects need to be applied on a rotation. This could be every week or two, all depending on the recommended release rate, your current insect population, your crop, and the time of year. It is not a set-it-and-forget-it kind of program.

3) When the days are short, many insects will enter diapause. (Diapause is a sort of suspended animation where the reproduction cycle temporarily ceases or slows way down). Winter production often requires supplemental lighting for predator bugs to remain active.

4) In our experience, there is no treatment- whether chemical or biological- that will guarantee 100% clean plants all season long. Any grower is likely to have outbreaks at some point that require a more aggressive approach. If you do need to spray, be sure to spray something that is friendly to beneficials. That way new predators can be released quickly to help keep numbers low and break the pests' lifecycle.

Purslane (in the genus *Portulaca*) are **spreading succulents** that **perform well in heat and drought** and naturally load up with small, colorful blooms. Use them in **hanging baskets** or as **cascading elements** in combination planters. Pictured varieties are non-patented.

4" crop time	4 weeks
10" crop time	8 weeks
Light	Full sun
Night temp	60°
Water usage	Light
Bloom period	Spring/Summer/Fall

**Patented:
Pazzaz Series**

- Apricot
- BrightPurple
- Deep Pink
- Fuchsia
- Orange Flare
- Pink Glow
- Red Flare
- Tangerine
- Vivid Yellow
- White
- Yellow Imp



Jumbo Salsa

Use a constant feed program of **200 ppm N**. Maintain a **pH between 6.0 - 6.5**.

Aphids and thrips

Available in these assortments:

- All Mixed Up (No URC)
- Big Bloom Assorted



Jumbo Mango



Jumbo Punch



Big Bloom Evening Wine



Big Bloom Gold



Big Bloom Light Pink



Big Bloom Peach Apricot



Big Bloom Red



Big Bloom Rose



Big Bloom Scarlet



Big Bloom White



Bright Pink



Hot Pink



Samba Hot Rose



Samba Pink Bicolor

Colorblast Series (Patented)



Double Coconut



Double Guava



Double Magenta



Double Orange



Double Scarlet



Double Yellow



Lemon Twist



Pink Lady



Plumberry




Rum Punch




Watermelon Punch

Rhoeo

Rhoeo (also called **Oyster Plant** or **Boat Lily**) is native to southern Mexico, Belize, and Guatemala. This **low-maintenance** plant is extremely **drought tolerant**, does well in partial shade, and makes an **excellent houseplant**. Upright habit grows 12-18" tall.

 Needs **well-drained soil** with a **pH of 6.1 - 7.3**. Avoid overwatering. Allow to dry slightly between watering to avoid root problems. Very drought tolerant.

 Caterpillars, mealy bugs, spider mites, whiteflies, fungus or root rot

4" crop time	6-8 weeks
Light	Partial sun - full shade
Night temp	60°
Water usage	Light




Sanchezia Nobilis

This **upright shrub**, native to Ecuador and Peru, grows 3-4' in northern climates and up to 8' in tropical climates. It is one of three Sanchezia species that are commonly cultivated and used in **borders and containers**. It does well in part to full **shade**, is **heat tolerant**, and is **low-maintenance**.

4" crop time	6-8 weeks
Light	Shade
Night temp	60°
Water usage	Moderate
Bloom period	Summer

 Likes moist, **well-drained soil** and a humid environment. Maintain a **pH of 5.5 - 6.5** and use a **constant feed program of 100-150 ppm N**. Needs high heat and humidity to bloom.


 Aphids, mealybugs, scale and spider mites




Scabiosa

Also known as **Pincushion Flower**, this native of Europe, Asia, and Africa is a **perennial flower** that does well in full sun and attracts pollinators. It is commonly grown in **borders**, along **walkways**, in **cut flower gardens**, and in **containers**. Butterfly Blue blooms April to first frost with blue-lavender flowers that are 2-3 inches wide. The shorter size of this dwarf Scabiosa variety makes it a great choice for the middle of borders or mixed containers. Non-patented.

4" crop time	6-8 weeks
Hardy Zone	4-9
Light	Full sun
Night temp	65°
Water usage	Average
Bloom period	Spring/Summer/Fall


 Use a well-drained soil with a **pH 5.5-7.0**. Feed at **150 -200 ppm Nitrogen** and allow to dry slightly between waterings. Deadhead any finished flower for a second flush of color.


 Aphids, spider mites, thrips, and whiteflies



Scaevola

Scaevola is a **flowering annual** from Australia that is actually hardy in zones 9-11. It is one of the most **heat-tolerant, sun-loving** bloomers that we have. Producing colorful flowers in a circular pattern around the tips of stems, this plant is perfect for **small pots, hanging baskets**, or colorful elements in your **combination planters**. As a late bloomer, add Scaevola to your summer program to bring some color back to your garden center.

 Use a **constant feed program of 150-200 ppm N**. Maintain a **pH between 5.5 - 6.0**. They are also very sensitive to phosphate levels. Anything **above 125 ppm will result in phosphate toxicity**.

 Aphids, spider mites, and thrips

4" crop time	6 weeks
10" crop time	10 weeks
Light	Full sun
Night temp	60°
Water usage	Moderate
Bloom period	Summer

Patented:

- Blue Touch
- Blue Wind
- Pink Blessing
- Purple Haze
- White Touch
- Top Pot Blue
- Top Pot Pink
- Top Pot White
- White Touch

Non-patented Blue Fan Flower



Tropical German Ivy is "soft ivy" (not winter hardy like *Hedera Helix*), but it's a **fast grower** that makes a great houseplant. Senecio fill pots with rich, evergreen foliage, so they work well in **combination planters** as cascading edge plants, as a standalone **container or basket**, or as a **trellis/fence climber**. Non-patented.

**Not available as URC*

Use a low-but-constant feed program of **150 ppm N**. Maintain a **pH between 5.8 - 6.2**.

Mealybugs

4" crop time	6 weeks (1 plant per pot)
10" crop time	8-10 weeks
Light	Shade
Night temp	60°
Water usage	Moderate



German Ivy



Wax Ivy*

Setcreasea

Purple Heart (or *Purple Queen*) is a tender perennial used as a **houseplant** or an annual in **landscape** applications. It makes an interesting piece for a **combination planter** as it grows upright to a height of 12-18 inches tall. As the plant gets bigger, the stems will cascade under their own weight. Although it produces small pink flowers in the spring, its large **purple leaves and stems** set it apart from other plants in the houseplant category. Non-patented.

Use a constant feed program of **200 ppm N**. Maintain a **pH between 5.0 - 6.0**. In zones 9 and warmer, the frost will kill back the top foliage, but the plants recover quickly in the warmer weather of spring.

Whiteflies and occasional spider mites

4" crop time	6 weeks
10" crop time	8 weeks
Light	Sun/partial shade
Night temp	60°
Water usage	Moderate



Setcreasea

Shrimp Plant

Pachystachys Lutea (commonly known as *Shrimp Plant*) is a native of Mexico and is normally grown as a **centerpiece in a combination pot** or as a **background plant in mixed beds**. This upright grower can get **three feet tall** and has large leaves with an impressive bract at the tip of each stem that produce spectacular **shrimp-shaped blooms**. Non-patented.

Use a **constant feed program of 150-200 ppm N**. Maintain a **pH between 5.8 - 6.2**.

Scales, spider mites, and thrips

4" crop time	6 weeks
10" crop time	8-10 weeks
Light	Sun to full sun
Night temp	60°
Water usage	Moderate
Bloom period	Spring/Summer/Fall



Shrimp Plant

Sprenger Fern

Native to southern Africa, **Asparagus aethiopicus** is a member of the asparagus family (hardy in zones 9b-11) frequently used in **landscaping, combination planters** and standalone **containers**. Though not a true fern, the **upright, sprawling habit** and finely textured, **evergreen foliage** make Sprenger an interesting plant to add diversity to your garden center selections. These **drought-tolerant, fast-growing** plants can spread 3-4 feet and reach heights of 1-2 feet. As the branches get longer, they will **cascade** under their own weight and can be trained to flow over a wall or container. Limited availability.

Use a constant feed program of **150-200 ppm N**. Sprenger are drought resistant, so grow them a little on the dry side in a well-drained soil. Maintain a **pH between 5.8 - 6.2**.

Aphids, mites, and occasional whiteflies

4" crop time	6-8 weeks
10" crop time	8-10 weeks
Light	Full sun/shade
Night temp	60°
Water usage	Light



Sprenger
Asparagus Fern

Succulents

Our non-patented **Succulent Liners and Pots** have become very popular in the marketplace in the last few years. Home gardeners and professionals alike are attracted to these **easy-growers** because of their **durability and year-round beauty**.

Our collection of Succulent liners offers selections in several different families, and we've designed our **assorted trays** to offer **high flexibility at low cost**. We have chosen these Succulent varieties for their ease of growing and spectacular performance. Your customers will enjoy them in everything from **fairy gardens to terrariums to artistic displays**.

**We cannot accommodate requests for specific varieties in succulent assortments or mixtures.*



Grow on the dry side in a very **well-drained soil**. Succulents store water in their leaves and do not need to be watered as often as other plants. We recommend using a **water-soluble feed every two weeks at 150 ppm N**. Do not allow the plant to stay saturated or you will develop root or stem rot. Maintain a **pH between 5.8 - 6.2**.



Succulents do not have any significant pest problems.

4" crop time	6 weeks
Light	Full sun
Min night temp	60°
Water usage	Light



Aloe Vera



Echeveria Assortment



Exotic Assortment



Sedum Assortment



Sempervivum Assortment



Trailing Assortment



Crassula Assortment


Our high quality plugs come **ready to transplant** into your final container for immediate sales. Starting Fall 2021, Succulents are moving to a 72-cell program with **four varieties per tray**.



General Assortment

Streptocarpella

These South African natives are a part of the **Gesneriad** family like Lipstick and Goldfish plants, but Streptocarpella have an **ever-blooming habit**. They **grow best in hanging baskets or four-inch pots** with partial shade. (Bright, full sun will burn the foliage.) Streptocarpella are normally grown as houseplants, but they are hardy for zones 9-11. Non-patented.

 Use a constant-but-low feed program of **200 ppm N**. For healthiest plant color, keep **pH between 5.5 and 6.5**. Avoid cold water standing on the leaves as it will produce damage and leaf spots like an African Violet.

 Mealybugs and thrips

4" crop time	6 weeks
10" crop time	8-10 weeks
Light	Partial sun
Night temp	50°
Water usage	Moderate
Bloom period	Ever-blooming

Non-Patented Varieties



Concord Blue Trailing





White Trailing

Strobilanthes

Persian Shield is a **tropical, evergreen sub-shrub** that produces soft green and silvery-purple foliage on large leaves that can grow up to six inches long. These upright growers can be used in **landscaping** or indoors as a **houseplant**. Homeowners will need to take special care to make sure the plant stays in a humid area with morning sun and mid-day to afternoon shade. House plants will need to be misted several times a week to maintain humidity and moisture levels. Non-patented.

4" crop time	6 weeks
10" crop time	8-10 weeks
Light	Partial sun/shade
Night temp	60°
Water usage	Moderate

 Use a constant feed program of **150-200 ppm N**. Persian Shield are not drought tolerant -- **do not allow to dry out** completely between waterings. They perform best in **high humidity**. Maintain a **pH between 5.8 - 6.2**.


 Spider mites, occasional aphid or mealybug




Persian Shield

Thunbergia

Black-eyed Susan is a native of tropical Africa. It is a vining seasonal bloomer that can spread of 8 feet wide. With **evergreen leaves** and **orange or yellow blooms**, this perennial is the right choice for **hanging baskets, trellises**, and cascading color in **combination planters**. Thunbergia bloom in the late summer and early fall as the days shorten. Add these to your summer program to produce early fall sales. Non-patented.

 Use a constant feed program of **150-200 ppm N**. Maintain a **pH between 5.8 - 6.2**.

 Whiteflies, spider mites, and thrips



Orange



Pink



Yellow

4" crop time	4-5 weeks
10" crop time	8-10 weeks
Light	Full sun/partial shade
Night temp	60°
Water usage	Moderate
Bloom period	Late Summer/Fall

Tillandsia

Tillandsia (also called **Air Plants**) are highly versatile **unrooted plants** that can be attached to almost anything using a non-toxic glue. Larger plants can be supported by fishing line or thin thread. Tillandsia are perfect for crafty business owners who enjoy making something small and beautiful to put near the cash register for impulse sales. These can also be sold in bulk as bare-root plants, allowing customers the freedom to create their own plant designs. Non-patented.

Use a spritz bottle to **mist 1-2 times per week** (more often when the weather is hot or dry). Do not let the plant completely dry out or it will get brittle and will not survive, but take note that it cannot survive in standing water. The symptom of a dehydrated Tillandsia is a curling of the concave leaves. **Commercial fertilizers are usually too strong**, but you can cut your normal water-soluble ratios to **1/4 dilution** and mist them twice a month.

No significant pest problems

**Tillandsia (Air Plant)
Mixture**

Light	Shade
Night temp	50-60°
Water usage	Moderate



Tolmiea

Piggyback Plant is native to the northwestern part of North America, including Canada and Alaska. Piggyback plants are **fast-growing** and **easy to care for** and have a mounding habit which makes them a great candidate for **hanging baskets or ground covers**. Tolmiea's fuzzy green leaves can grow two inches wide and four inches long, and the unique way it **produces "piggies" from mature leaves** makes it a plant that will set your garden center apart from the competition. Non-patented.

*No URC

Use a constant feed program of **150-200 ppm N**. Maintain a **pH between 5.8 - 6.2**. Since these plants can **easily handle a 50 degree night** temperature, plant your baskets in the fall to have a monster product in the spring. Tolmiea do not tolerate heat.

Mealybugs

4" crop time	6 weeks
10" crop time	8-10 weeks
Zone	6
Light	Shade
Night temp	50°
Water usage	Moderate



Piggyback Plant

Due to the warm nature of our Zone 7 summers, we only offer Piggyback Plant from October through March.

Torenia

Commonly called **Wishbone Flower**, this annual is originally from Asia. These summer and fall bloomers are perfect additions to your summer program, as they provide **early color for summer and fall sales**. Use them in **hanging baskets**, as cascading elements in **combination planters**, or as **fall bedding plants**.

Use a constant feed program of **200 ppm N**. Maintain a **pH between 5.8 - 6.2**. Torenia dry out easily, so keep them moist, but avoid overwatering. Do not allow wilting.

Whiteflies, aphids, and thrips

**All Torenia varieties are patented.*

4" crop time	6-8 weeks
10" crop time	10-12 weeks
Light	Partial/full shade
Night temp	50°
Water usage	Moderate
Bloom period	Summer/Fall



Moon Blue



Moon Indigo



Moon Magenta



Moon Purple




Moon White




Moon Yellow

Native to eastern North America, Verbena are **creeping, soft perennial** plants with **blooms from early spring until frost**. (Homestead Purple and Red are hardy **perennials in Zone 7**.) They offer brilliant color for landscape and pot culture. We've selected **improved and new varieties** that **bloom early and hold flowers longer**. These are very **fast-growing** plants and will not disappoint your spring sales program. Grow them in **hanging baskets** or **combination planters**. Pictured varieties are non-patented.

Available in an assorted tray

 Use a constant feed program of **150-200 ppm N**. Maintain a **pH between 5.8 - 6.2**.

 Whiteflies, aphids, and thrips

4" crop time	6-8 weeks
10" crop time	10 weeks
Light	Full sun
Night temp	50°
Water usage	Moderate
Bloom period	Spring/Summer/Fall

Alice Series



Cheshire Pink



Mad Hatter



Off with Her Red



Purple Tart



Red of Hearts



White Rabbit

Carolina Series



Coral



Perfect Pink



Pink Bicolor



Purple Bicolor



Watermelon

Trailing Series



Homestead Purple



Homestead Red





White

Patented Varieties:

- **Vanessa™ Series**
- **Vanessa™ Compact Series**

Known botanically as Veronica Spicata, **Spiked Speedwell** is native to Asia and northern Europe. This **perennial plant** has tall spikes covered in tiny fuschia flowers that bloom from late spring to early fall. Veronica Ronica is a more **compact and upright** variety than others in the species, reaching about 14 inches tall and 16 inches wide. Most commonly it's used in **borders, butterfly gardens**, and **mixed containers**.

 Use a well-drained soil with a **pH 5.8-7.0**. Feed at **150 -200 ppm Nitrogen** and allow to dry slightly between waterings. Deadhead any finished flower for a second flush of color.

 Aphids and whiteflies

4" crop time	6-8 Weeks
Hardy Zone	4-9
Light	Full sun/Partial Shade
Night temp	60°
Water usage	Average
Bloom period	Spring/Summer/Fall



Fuchsia

Veronica Ronica

Vinca Vine

Common Periwinkle (also called *Creeping Myrtle*) is an **herbaceous perennial** that is native to Europe and southern Russia. It has small flowers that bloom in the spring and intermittently until frost, but is mostly known for its **ground-covering foliage**.

Perennial to zone 4 (Maculata to 7), this tough little **evergreen** is perfect for **bedding containers** or **combination planters**. Non-patented.

Also available as an assorted tray.



Use a constant feed program of **150-200 ppm N**. Maintain a **pH between 5.8 - 6.2**.



Aphids, spider mites, and whiteflies

4" crop time	6-8 weeks
10" crop time	10 weeks
Light	Partial sun/full shade
Night temp	50°
Water usage	Light/moderate
Bloom period	Late Spring



Bowles



Maculata



Ralph Shugert



Variegated

Wandering Jew

Native to the Tropical Rain Forest, this **herbaceous groundcover** is not only beautiful, but **fast and easy to grow**. Wandering Jew is a trailing plant that makes a striking **hanging basket** or **ground cover** until frost. Foliage of the Wandering Jew grows to be several feet in length, which makes this plant a favorite for horticulture applications. Grow them as part of your **summer program**, as these **vigorous foliage plants** will still look great even in the **heat of July and August**.

Non-patented.

*Not available as URC

4" crop time	4 weeks
10" crop time	8 weeks
Light	Partial shade/shade
Night temp	50°
Water usage	Moderate



Use a constant feed program of **150-200 ppm N**. Maintain a **pH between 5.5 - 6.0**.



Spider mites

Also available as an assorted tray.



Our **Rhapsody Combo*** tray comes with four contrasting plants per cell. It's perfect for combination containers, as the work is already done for you.



Baby Bunny Bellies



Lavender



Lilac*



Bolivian



Bridal Veil



Burgundy



Green



Green Silver



Green Yellow



Purple



Purple Fuzzy*



Rainbow*



Red



Tricolor*



White Fuzzy*

**Made partially from
recycled materials!**



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We know you need hard goods in order to grow your plants, but they can be expensive if you only need small quantities. That's why we've worked with our supplier to pass our bulk volume discount on to you.

Growing small might be hard work, but you don't have to go it alone--
we're here to grow your business.

Volume Pricing—Case Quantities



Combination Trays

Our **combination trays** are designed for growers who want to produce combination planters with a low volume of plants. **Each 105 cell tray contains five varieties** coordinated to grow well together. With a little imagination, it is possible to produce a variety of combination planters from a single tray, using 3-5 liners per basket or container.

Note: varieties pictured here are indicative of the kinds of plants included in each combo. **Specific colors are subject to availability at the time of production.** Requests cannot be made for particular plants.

All You Can Eat
5 different Herbs (p. 26)

1

1 1 1

1



Dish Garden
5 different small indoor plants




Heavenly Trails
Evolvulus, Angelonia, Argyranthemum, Lamium, Mexican Heather

3

1 2 4

5




Slow-Growing
5 distinct varieties of Ajuga, Chlorophytum, Dracaena, Lotus Vine, Pellionia, etc.

4

1 2 1

3



Full Sun
2 Petunias, 2 Verbena, Ipomoea

2

1 3 1

2

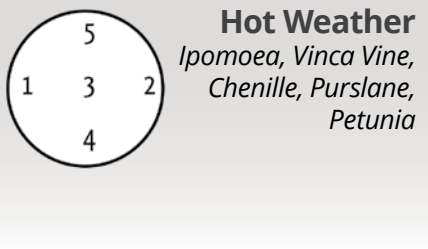


Hot Weather
Ipomoea, Vinca Vine, Chenille, Purslane, Petunia

5

1 3 2

4



Terrarium
5 different terrarium plants (see p. 57)




Premier
Lamium, Chenille, Bacopa, Coleus, Bidens

5

1 4 2

3



Fast Grower

2 Coleus, 2 Ipomoea,
Helichrysum



Foliage

5 different Foliage plants

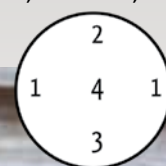


Hummingbird

Petunia, Verbena, Lantana,
Fuchsia, Calibrachoa

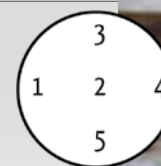
Partial Sun

2 Calibrachoa, Helichrysum, Lamium,
Spider Variegated



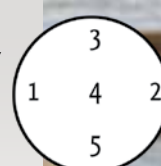
Patio

Evolvulus, Angelonia,
Argyranthemum,
Calibrachoa, Bacopa



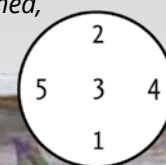
Red, White & Blue

Bacopa, Evolvulus, Chenille,
Helichrysum, Lobelia



Spring

Bacopa, Coleus, New Guinea,
Calibrachoa, Verbena



FAQ

Who do we sell to?

We are wholesale, so we only sell to other businesses and non-profits. In order to fit into our wholesale agreement, the party purchasing our products cannot be the end user. If you are growing our products to sell or to produce products to sell, if you are a tax-exempt non-profit, or if you are a school purchasing for educational purposes or for sales, you are qualified to purchase from us.

When should I order?

We recommend ordering as soon as possible. It is truly never too early to place your order. For Spring orders we recommend placing your order in August. Our stock sells out quickly.

Why are all the ship dates on Mondays?

The greenhouse industry standard for scheduling orders is by week number. In order to simplify the process, we schedule our orders by the Monday of that week (01-04-2021 is week 01). We do not guarantee that all orders will ship on Monday, but that they will be shipped that week. We ship Monday through Wednesday of each week. Orders are shipped on the same day in which they are pulled.

What are your minimums for shipping?

Our **rooted tray minimum** for shipping is 4 full trays per shipment. They can be any combination of varieties. Our **unrooted cutting minimum** is 600 cuttings per shipment. They typically come in 100 count quantities.

A fee of \$8 per missing rooted tray—or \$5 per 100 unrooted cuttings—will be applied to gaps in orders under the minimum. Due to packing restrictions, we ship unrooted and rooted products separately.

How many rooted plug trays come per box?

We have a box that accommodates 4 trays, 6 trays, or 8 trays depending on the size of the plants in the liners. We recommend having an even number of trays per shipment. Our staff is happy to help you maximize your boxing!

How many unrooted cuttings fit in one box?

This question has many answers, depending on the size of the cutting. Our small box will typically fit anywhere from 600 to 2,000. Our largest box can hold

up to 15,000. Please feel free to contact us with any specific requests.

How do you ship?

We typically ship our rooted plugs via FedEx 2nd Day and our unrooted cuttings via FedEx Priority Overnight. Rooted and unrooted plants do not ship together. We can ship air freight for an additional fee. We are continuing to expand our very popular delivery service to include more states. For larger orders, we can ship via FedEx LTL Freight if our trucks are not cost effective in your area. Supplies dropship from our supplier and usually ship FedEx ground.

What if the total order is not ready?

In our industry, we face the unique obstacle that our products can produce slower than planned, get sick, or die. Because of this, sometimes substitutions are necessary. If there is a variety on the order that is not ready with the rest of the shipment, we will do our best to contact the customer to let them know. If possible, we will let the customer decide whether a substitution would be okay, but at times it is necessary for the grower to make the final decision. Often we can backorder the item and ship it when it is ready, but occasionally we must cancel the item altogether.

Do you ship in cold weather?

We check the weather daily during the winter at the ship to location and the FedEx hub that the plants will be traveling through. If the weather is in the lower 20s, we insulate the boxes. If there is a bad storm, we will hold the order until better weather occurs and ship it as soon as possible. We will do our best to notify the customer with any weather related delays. Always feel free to contact us with your local forecast and we can try to accommodate your schedule around bad weather.

What should I do if my plants are damaged when they arrive?

Please take pictures of the plants as they arrived. Unpack the box and let the plants acclimate to your environment. Plant all viable plugs or cuttings and then email us with the details of the shipment and photos documenting losses. Any claim must be reported within 3 days of receiving your plants. We guarantee all viable plants and commit to replace or refund non-viable plant material. Please see our returns page for further details: ncfarmsinc.com/damages

We Grow Your Business: It's More Than Just a Tagline

We're thankful to get to work with businesses like yours every day.

Our customers are some of the best people we know. You are friendly, hard-working, salt-of-the earth members of your communities, and you have a vision to see your business dreams fulfilled.

That's why our tagline is, **"We grow your business."**

Not just the *size* of your business, but the *profitability* of your business. Because who simply wants more work to do? A profitable business provides financial freedom for your family and allows you to extend generosity to your community.

North Carolina Farms has been here **more than 45 years**

as a family-owned and operated business growing organically from the ground up. We have a unique perspective because we remember our roots: we were once a tiny greenhouse in our founder's backyard, working from a home office, selling a handful of plants from paper catalogs.

We still **sell starter plants**, but we also **help growers** produce better crops, stand out from their competitors, and create greater profit.

Every day we are on the phone *coaching* someone who wants to start a lavender farm, *discussing* soluble salts with a first year mum grower, or *passing along* the most beneficial ways to use predator bugs. We also field calls for advice about exciting industry opportunities, like organic certification or the future of industrial hemp.

Countless hours of grower support have been offered over the phone, via email, and through our social media team, all to **help our customers succeed**.

When you follow us online, watch our YouTube videos, give us a call, or visit our website, you can know that **our relationship with you** doesn't begin when you make a purchase or end after the plants are shipped. We are here to support you through the entire process. And with our happiness guarantee, you can avoid the financial risk of damages from shipment or the surprise arrival of poor quality plants.

Our easy online ordering, personal grower support, free educational content, and happiness guarantee are all designed to give you confidence.

We're here to grow your business.

For more of our story, visit ncfarmsinc.com/OurStory

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