

The cover features a close-up photograph of yellow flowers with green foliage. A large, light green geometric shape, resembling a stylized leaf or a torn corner, is positioned on the right side. A white rectangular border frames the central text area.

23/24 STARTER PLANT CATALOG

NORTH CAROLINA FARMS

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 the week in which they are planned (01-01-2024 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 just after 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 2nd Day or Ground and our unrooted cuttings via Overnight. Rooted and unrooted plants do not ship together. We are continuing to expand our very popular delivery service to include more states. For larger orders, we can ship via LTL Freight if our trucks are not cost effective in your area. Supplies dropship from our supplier and usually ship via 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 UPS/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


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Abutilon

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



Chinese Lantern

Lucky Lantern Series



Passion



Red



Tangerine





Yellow

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

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



wilkesiana
Bronze Pink



Non-patented
Chenille Firetail

Achillea

Achillea, also known as *Common Yarrow*, *Achillea Millefolium*, or *Milfoil*, is a **perennial** landscape plant native to Europe named after Greek mythology's Achilles. It has an **upright habit** of 14-18 inches tall and repels pests while attracting ladybugs and pollinators. It is **drought-tolerant**, low-maintenance, long-blooming, and gives lovely cuttings.

Desert Eve Series



Deep Rose



Red



Terracotta




Yellow




Diadem




Summer Drift


 Use well-drained soil in full sun with light feed (**150 ppm N**) and a **pH of 5.8-6.6**. Plant 1 rooted plug per 4-inch pot or 2-3 per 10-inch pot. Low-maintenance: once established in containers or landscapes it requires little more than full sun and rainwater to thrive.

 Powdery mildew and root rot

4" crop time	5-6 weeks
10" crop time	8-10 weeks
Hardy zone	5-9
Light	Full sun, part shade
Night temp	60°
Water usage	Light
Bloom period	Summer, Fall

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



Kudos Series



Ambrosia



Coral



Gold



Mandarin



Red



Silver Blue

Poquito Series



Dark Blue



Lavender



Orange



Orange Glow



Pink Glow





Yellow

Sunny Sparks Series

Ageratum

Ageratum, also known as *Ageratum Houstonianum* or *Floss Flower*, is an annual native to Mexico. It flourishes in full sun with an upright mounding habit of 8-12 inches, and its blooms attract butterflies, bees, and hummingbirds from May through September. Makes beautiful containers and borders. **Patented*

 Use well-drained soil in full sun with medium feed (**150-200 ppm**), a **pH of 6.0-6.5**, and an **EC of .6-.9**. Plant one rooted liner per 4-inch container or two to three plugs per 10-inch pot. Maintain daytime temperatures of 70-80 degrees and night-time temperatures of 58-62 degrees during finishing.

 Aphids, whiteflies and powdery mildew

4" crop time	4-6 weeks
10" crop time	10-12 weeks
Light	Full sun
Night temp	58°
Water usage	Moderate
Bloom period	Spring, Summer, Fall

Aguilera Series



Dark Pink



Sky Blue



Violet



Blue



Rose



Silver

Bumble Series

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**.

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

**Patented*

4" crop time	6-8 weeks
Hardy 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



Dianthiflora
Lace Flower

Alternanthera

Joseph's Coat is a sun-loving annual perfect for landscape use. They tolerate **sun or shade**, but **full sun** and the **shorter days of spring and fall** will create richer color. Their mounding, shrubby habit can grow to a height of 10in-14in. (Red and yellow varieties are the same height.) Grow them **pot tight in 1801s for landscape use** with **no PGRs**, or as **edge plants in combination planters**.

Use a well-drained soil and plant in full sun. Use a **constant feed program of 200 ppm N**. Maintain a **pH between 5.5 - 5.8**.

Whiteflies and possibly aphids

Available in an assorted tray



Broadleaf Red



Bronze



Burgundy Thread



Green



Red



Red Carpet



Yellow

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



Alonia Series



Bicolor Pink



Bicolor Purple



Bicolor Violet



Big Blue



Big Dark Pink



Big Indigo



Big Snow



Dark Lavender



Pink Flirt



Snowball



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

Non-patented varieties



Butterfly Yellow



Dana White

Lollies Series



Angelic Giant Pink



Berry Gummy



Buttermint



Marshmallow



Pink Pez



White Chocolate

Aubrieta

Aubrieta Hybrida or *Rock Cress* is a flowering plant native to the Mediterranean. It **flourishes in full sun** or partial shade, and its **early, long bloom** makes it an excellent choice to grow alongside spring annuals. Prolific 3/4" to 1" flowers attract butterflies and bring color to **mixed containers, patio pots, landscape borders, and rock gardens**.

Use a **well-drained soil** in full sun with a **pH of 5.5-5.9**, light feed (**75-100 ppm**), and an **EC of .6 mS/cm**. This plant requires bulking and vernalization.

Aphids, root rot, botrytis

4" crop time	5-6 weeks
10" crop time	6-7 weeks
Hardy zone	6-9
Light	Full/part sun
Night temp	58°
Water usage	Moderate



Glacier Red



Glacier Violet

Axcent Series



Antique Rose



Burgundy



Deep Purple



Light Blue



Lilac



Violet Eye

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.

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

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

Double Series



Indigo



Lavender



Snowball



Blue



Pink



White

Gulliver Series

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



Begonias - Angel Wing

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

Available in an assorted tray
*No URC

4" crop time	6-10 weeks
10" crop time	8-16 weeks
Light	Partial sun
Night temp	60°
Water usage	Light
Bloom period	Constant



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



Frosty



Lynda Dawn



Miss Mummy*





Sinbad Pink

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

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.

 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



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

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
- Golden Empire
- Mega Charm
- White Delight
- Yellow Crown
- Yellow Splash
- Yellow Sunshine

Bracteantha

Bracteantha, or *Strawflowers*, are easy-care and elegant annual plants with a long bloom season. At first glance, it might seem like they have a strange common name, but touch the brightly colored blooms and it becomes apparent. An excellent dried flower, the petals have a dry, papery feel.

 Grow in full sun (at least 6-8 hours of direct sun per day) and **well-drained soil.** Tolerate part shade, but may get leggy as they stretch for light.

 Powdery Mildew

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

Cottage Series



Bronze



Ice



Lemon



Orange



Pink



Rose

Buddleja Davidii, also known as *Butterfly Bush*, is a perennial upright shrub native to China and Japan. The "Buzz" cultivar was developed in England by Thompson and Morgan as a compact, non-invasive variety. It's sterile and reaches 3-5' tall by 2-3' wide, making it the perfect patio shrub. The flowers are 6-8" long, fragrant, and attract pollinators from June-September.

Buzz Series



Hot Raspberry



Ivory



Lavender



Magenta Imp



Midnight



Purple



Soft Pink

4" crop time	6-8 weeks
Hardy zone	5-9
Light	Full sun
Night temp	40°
Water usage	Moderate
Bloom period	Summer, Fall

Use well-drained soil in full sun with a **pH of 6.0-7.0**. Plant 1 plug per 3-gallon container. Allow soil to dry between waterings. In landscapes, requires only moderate water and deadheading.

Spider mites

Bulbine Frutescens

Bulbine Frutescens, also known as *Stalked Bulbine*, is native to South Africa. It has evergreen succulent foliage and tall flower stalks that bloom from spring to fall. Grows 12-18" tall and 12-24" wide, spreading by rhizomes for even more plants to divide and replant. The **low-maintenance** flowers **tolerate drought**, humidity, harsh weather, and virtually any soil.

Use well-drained soil in full sun with light feed (**100-150 ppm N**) and a **pH of 6.1-6.5**.

Not prone to pests or disease

4" crop time	6 weeks
Hardy zone	8-11
Light	Full/partial sun
Night temp	40°
Water usage	Light
Bloom period	Spring, Summer, Fall



Orange



Yellow

Calendula

Calendula Officinalis, or *Marigold*, is an annual flowering plant native to the subtropical Americas. Its compact mounding habit makes a vibrant addition to any container, cut flower garden, or cottage garden. Large flowers begin their spring bloom even in cold weather and bring color to the landscape throughout the summer. Marigolds flourish in full sun with moderate water and little other care.

Use well-drained soil with a **pH of 6.0-6.5**, an **EC of 0.6** and light feed (**100-150 ppm**). Maintain temperatures between 62-65 degrees during finishing.

Snails, slugs, aphids, whiteflies

4" crop time	6-7 weeks
Light	Full sun
Night temp	62°
Water usage	Moderate
Bloom period	Spring, Summer



Cheers Tangerine



Cheers Yellow

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

*Not available as Unrooted Cuttings.



Candy Corn

Calibrachoa

Calibrachoa are originally from South America. A nightshade similar to 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 0.7. Avoid overwatering.**

Fungus gnats, aphids, and thrips

Available in an assorted tray

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

Non-patented Varieties



Bright Pink



Cherry Crush



Lemonade



Red



White

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



Ombre Series



Blue



Pink



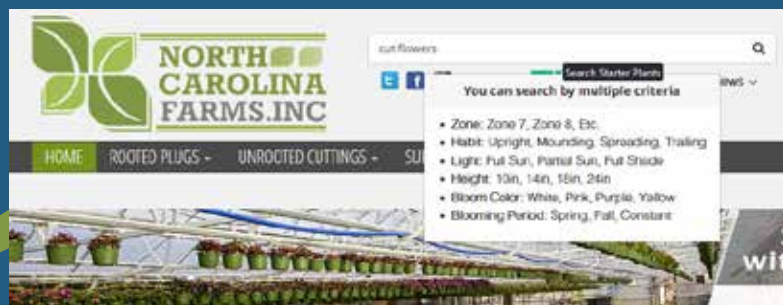
Purple



Sunrise



Yellow



Search our entire catalog online!

Search by name, zone, habit, color, height, bloom period and more!
We make it as easy as possible to find the plants you need because **we're here to grow your business.**

Colibri Series



Abstract Guava



Blizzard



Bright Red



Cherry Lace



Dark Lavender



Exotic Red Bling



Lemon



Malibu Pink



Malibu Yellow



Orange



Pink Bling



Pink Flamingo



Pink Lace



Plum



Pure White



Purple Bling



Purple Lace



Yellow Canary

Noa Series



Blue Legend



Dark Pink Carnival



Mega Magenta



Mega Pink



Ultra Purple



Yellow

Eyeconic Series



Apricot



Cherry Blossom



Compact Sunset



Pink



Purple



Strawberry

Lia Series



Blue



Bubblegum



Cranberry



Dark Red



Melon



Yellow

Catharanthus

Catharanthus Soiree are hybrids produced by Suntory which offer superior branching, **better vigor in high heat**, and more abundant flowering than the typical **garden Vinca**. It is a tender perennial in zones 10 and 11 but typically grown as an annual. It blooms from spring through fall, maintaining full flower coverage and a compact habit of 12-16" tall and 20-25" wide, perfect for **hanging baskets** or **mixed containers**.



Use well-drained soil in full sun with a **pH of 5.8-6.2**, an **EC of 0.7**, and moderate feed (**200 ppm N**).



Whiteflies, aphids, thrips

4" crop time	4-6 weeks
10" crop time	11-12 weeks
Hardy zone	10-11
Light	Full sun
Night temp	70°
Water usage	Moderate
Bloom period	Spring, Summer, Fall

Soiree Series



Flamenco Salsa Red



Flamenco Senorita Pink



Kawaii Blueberry Kiss



Kawaii Coral



Kawaii Coral Reef



Kawaii Lavender



Kawaii Light Purple



Kawaii Paprika Red



Kawaii Red Shades



Kawaii White Peppermint

Celosia

Celosia Spicata, also known as *Prince of Wales Feather*, *Woolflower*, or *Red Fox* is native to the Mediterranean and East Africa. From the Greek word for "burning," *Celosia* indicates the vibrant colors of this plumed cultivar of the flowering annual. It has an **upright habit** of 12-18" tall, perfect for **borders**, **landscape beds**, and **containers**.



Use well-drained soil in full sun with a **pH of 5.6-6.0**, **EC of 0.6** and light feed (**100-150 ppm**).



Spider mites, aphids

4" crop time	5-7 weeks
10" crop time	6-8 weeks
Light	Full sun
Night temp	55°
Water usage	Moderate
Bloom period	Spring, Summer, Fall

Kelos Series



Fire Orange



Fire Pink



Fire Purple



Fire Red



Fire Scarlet



Fire Yellow

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


Citronella Pelargonium, also known as *Pelargonium 'citrosum'* or the *Mosquito Plant*, is a versatile and aromatic herb that offers multiple benefits to gardeners and outdoor enthusiasts. Native to regions of southern Africa, this plant has gained popularity worldwide due to its ability to naturally repel mosquitoes and other flying insects.

Citronella is relatively easy to grow and maintain, making it suitable for both experienced gardeners and beginners alike. It thrives in well-drained soil and requires moderate watering, allowing it to adapt to a wide range of growing conditions. This versatile plant flourishes in full sun to partial shade, although it tends to produce more essential oils and fragrance when exposed to ample sunlight.



 Plant one liner per 4" pot or gallon and 3-4 plants in a 10" or 3 gallon. Use a **well-drained soil** with a **balanced fertilizer** on a **constant feed program of 200 ppm N**. Maintain a **pH between 5.8 - 6.5**. Optimal **EC 0.7**. **Avoid overwatering.**

We recommend first **pinching** Citronella Pelargonium **5-10 days after transplanting** to your final container. Pinch periodically to keep the plant stout and bushy.

 Aphids, thrips, botrytis

4" crop time	6 weeks
10" crop time	8 weeks
Hardy Zone	9-11
Light	Full Sun, Partial Shade
Light	Full Sun
Night temp	60°
Water usage	Light-Moderate


Looking for other mosquito-repellant plants?

See Lemon Grass on page 67

Carnation / Dianthus

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
Hardy zone	4
Light	Partial/full
Night temp	45°
Water usage	Light-Moderate
Bloom period	Spring/Summer



Carnation Trailing

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 of 0.7**.

 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.

Coleus

Native to regions from Africa to southeast Asia to Australia, these knee-high plants **can tolerate shade locations** but **love full sun where their true colors will shine**. 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.

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**. EC of .7.

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



Alabama



Bonnie Gold



Chaotic Rose



Dark Red*



Dark Ruffles



Defiance



Dipt in Wine



Gays Delight

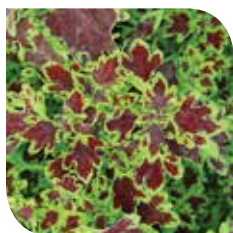


Hot Lava

For growing tips and 30 more varieties, visit our website:
ncfarmsinc.com/coleus



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



Inky Fingers



Jade



Kingwood Karnival



Lord Voldemort



Mardi Gras



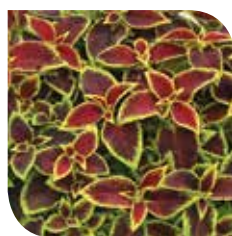
Mariposa



Meandering Linda



Oxblood



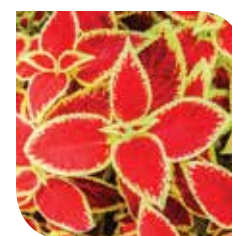
Pat Martin



Peters Wonder



Red Coat



Red Roof



Solar Sunrise



Stormy Weather



Tapestry



Trailing Burgundy



Trailing Pink



Watermelon Delight

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. 28)



Order combination trays here:

ncfarmsinc.com/combos



Foliage:

5 different Foliage plants



Heavenly Trails:

Evolvulus, Angelonia, Argyranthemum, Lamium, Mexican Heather



A) Slow-Growing:

5 distinct varieties of *Ajuga, Chlorophytum, Dracaena, Lotus Vine, Pellionia, etc.*

B) Full Sun:

2 *Petunias, 2 Verbena, Ipomoea*

C) Hot Weather:

Ipomoea, Vinca Vine, Chenille, Purslane, Petunia



Hummingbird:

Petunia, Verbena, Lantana, Fuchsia, Calibrachoa



Patio:

Evolvulus, Angelonia, Argyranthemum, Calibrachoa, Bacopa



Partial Sun:

2 *Calibrachoa, Helichrysum, Lamium, Spider Variegated*



Fast Grower:

2 *Coleus, 2 Ipomoea, Helichrysum*



Spring:

Bacopa, Coleus, New Guinea, Calibrachoa, Verbena



Red, White & Blue:

Bacopa, Evolvulus, Chenille, Helichrysum, Lobelia



Premier:

Lamium, Chenille, Bacopa, Coleus, Bidens



Dish Garden:

5 different small indoor plants



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



Bengal Tiger



Firefly



Jethro Tull



Moonbeam



Solar Fancy



Ruby Frost

Solanna Series



Bright Touch



Glow



Golden Crown



Golden Sphere



Sunset Burst




Sunshine

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.

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

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

Non-Patented Varieties



Purple



White



Wine

FloriGlory Series



Alonzo



Corazon



Diana



Maria




Miguel




Sofia

Dahlia

These **Dahlias** are cultivars of the tuberous perennial native to Mexico and Central America. It flourishes in full sun with moderate water and maintains an upright, bushy habit without staking. Provide brilliant color in borders, large window boxes, and patio containers.

 Use well-drained soil in full sun with a **pH of 5.8-6.2** and light feed (**100-150 ppm**) of a **15-5-15 fertilizer**. Provide 14-16 hours of full sun for 3-4 weeks after transplanting. Pinch once.

 Aphids, caterpillars, spider mites, leafhoppers

4" crop time	8 weeks
Hardy zone	7-10
Light	Full sun
Night temp	60°
Water usage	Moderate
Bloom period	Spring, Summer

Mystic Series



Illusion



Wonder

Darlin Series



Burgundy Lace



Orange Flare



Radiant Pink



Ruby



Salmon



Vintage Rose

Lubega Power Series



Cherry Stripes



RedWhite



Rose



Tricolor



Yellow





YellowOrange

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.

**All Diascia varieties are patented.*

 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

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



Trinity Sunset

Genta Series



Classic White



Giant Pink



Papaya



Blush White



Peach



Rose

Sundiascia Upright

Didelta

Didelta is a succulent shrub native to South Africa. Its velvety soft, silver-green foliage enhances **containers, hanging pots, and landscape beds**. Didelta has a semi-trailing habit of 6-10" tall and 12-23" wide. It loves the heat, resists deer, and requires little more than occasional water to add texture and visual interest to the garden.



Use well-drained soil with a **pH of 5.5-5.8**, an **EC of less than .6**, and light feed (**100-150 ppm**). This plant needs high light, moderate water, and temperatures of 65-72 degrees.



No significant pest problems, but watch for root rot.

4" crop time	4-6 weeks
10" crop time	8-10 weeks
Light	Full sun
Night temp	61°
Water usage	Light



**FanciFillers
Silver Strand**

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 of 0.7**. 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**

Duranta Erecta Aurea

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.



Echinacea

Echinacea, also known as *Coneflower*, is a perennial native to the United States. It has an **upright habit** of 12-14" tall and large red blooms from early summer through fall, with good heat tolerance and deer resistance. Besides medicinal applications, this plant is multifaceted in the landscape, performing well in full sun with moderate water. It flourishes in **rock gardens, cottage landscapes, containers, cut flower beds, and borders**. Hummingbirds, bees, and butterflies love Coneflower, and the large seed heads make excellent bird food in the fall.



Use well-drained soil with a **pH of 5.8-6.2**, an **EC of .5**, and light feed (**100-150 ppm**). Bulk at 65-68 degrees for 6 weeks after transplanting. Grow cold at temperatures between 48-55 degrees for 5 weeks after bulking.



Aphids, japanese beetles, eriophyid mites

4" crop time	11 weeks
Hardy zone	5-7
Light	Full sun
Night temp	65°
Water usage	Moderate
Bloom period	Spring, Summer, Fall



Panama Red

Erysimum x hybrida, or *Wallflower* is a flowering perennial native to southern Europe. Commonly grown in cottage gardens, it performs well in **borders, containers, and cottage landscapes**. It has a mounding, low-growing habit of 8-12" tall and 12-15" wide, naturalizing easily in the landscape and attracting hummingbirds to the garden.

Use well-drained soil in full sun or partial shade, a **pH of 5.7-6.2**, and medium feed (**200-300 ppm N**). Bulk to about half the finished size in warm temperatures (65+) and then **vernalize** at cool temperatures (35-46) for 4-6 weeks. Grow under high light intensity.

Slugs, snails, flea beetles

4" crop time	9-12 weeks
Hardy zone	5-11
Light	Full sun, partial shade
Night temp	40°
Water usage	Moderate
Bloom period	Spring, Summer



Glow Orange



Poem Lilac



Winter Charmed



Winter Joy



Winter Orchid



Winter Passion



Winter Sorbet



Winter Sun

Ellepots

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.

105 count	72 count	72 deep*
25mm wide	30mm wide	30mm wide
40mm tall	40mm tall	70mm tall
Most plants per sq ft	Larger cell	Deepest cell
For small leaf varieties or seedlings	For standard propagation of larger-leaved plants	For landscape plants or field plants
Petunias, Purslane, Calibrachoa, Impatiens, Lantana	Geraniums, Succulents, Seedlings	Hemp, Lavender, Woody Ornamentals



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

105 and 72 sold in cases of 10 for \$4.40 per tray, or pallets of 200 for \$4.25 per tray.

*72 deep only sold in pallet qty. 200 trays for \$4.50 per tray.

Euryops

Euryops Pectinatus Sonnenschein, or **Golden Shrub Daisy**, is a **low-maintenance bush** that offers high visual impact in the landscape. It grows 2-4 feet tall and 2-3 feet wide with a **compact, upright habit** and offers a long bloom season, attracting bees, butterflies, and birds. Even in patio containers, this plant flourishes in full sun and drought.

For best results, use well-drained soil in full sun with light feed (**100-150 ppm**) and a **pH of 6.1-7.5**. Plant one rooted liner per gallon container. While this plant isn't prone to pests or disease, take care to provide adequate airflow.

No significant pest problems

4" crop time	8 weeks
Hardy zone	8-11
Light	Full/partial sun
Night temp	40°
Water usage	Light
Bloom period	Spring, Summer Fall



Sonnenschein

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
Bloom period	Spring/Summer



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



Macho



True Boston
Massii 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.

Felicia

Felicia amelloides, also known as **Kingfisher Daisy**, and **Marguerite Daisy**, is a tender perennial native to South Africa. This low-maintenance plant offers a long bloom season, attracting pollinators while enduring full sun, drought, and wind with minimal water or maintenance. Felicia's compact size and attractive habit excel in borders, landscapes, patio containers, and rock gardens.

Plant one rooted liner per 4- or 6-inch container or three liners per 10-inch container. Use a well-drained soil with a **pH of 5.6-6.2**, **EC of 0.7**, temperatures of 65-68 average, and **light feed (150-200 ppm N)**. No pinching required.

Aphids, thrips, whiteflies

4" crop time	6-7 weeks
Light	Full sun, Partial Shade
Night temp	50°
Water usage	Light
Bloom period	Spring, Summer



Felicity Blue

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.

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

Trailing Varieties



Blacky



Blue Eyes



Dark Eyes



Marinka



Southgate



Swingtime

Select Patented Varieties



Autumnale



City Lights



Electric Lights



Standup Rosella



Standup Shirley

Corabells Series



Dark Eyes



Red White



Rose Purple

Upright Varieties



Dollar Princess



Gartenmeister

Fuchsita Series



Carmine White



Pink Violet



Red White



Rose Blue

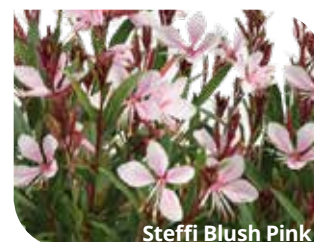
Gaura

Also known as *Bee Blossom*, *Butterfly Gaura*, *Whirling Butterflies*, and *Indian Feather*, this plant is an herbaceous perennial, hardy in zone 5-9 with an upright habit of 24-36" tall and wide.

Use well-drained sandy soil with medium feed (**175-225 ppm N**), a **pH of 5.8-6.2**, **5,000-9,000 fc** light, and daytime temperatures of 71-76 degrees during finishing.

Whiteflies and aphids

4" crop time	7-10 weeks
10" crop time	11-13 weeks
Hardy zone	5-9
Light	Full sun
Night temp	56°
Water usage	Moderate
Bloom period	Spring, Summer



Steffi Blush Pink

We help you **grow your business** by providing **free educational content**.

You'll find growing tips on each product page, as well as blog posts and videos on a variety of topics, all designed to give you the knowledge and resources you need to grow well.

Blog



- Marketing, pest management, growing tips, how-tos, and more
- <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.

Lantana Care for the Commercial Grower



Posted on: April 25, 2023 by Annie Beth

Follow the tips in this short guide on Lantana care to successfully finish and sell starter plants your customers will love. [Read More](#)

Instagram Changes Your Greenhouse Needs to Know About



Posted on: December 5, 2022 by Karen Bland

We know that small greenhouse business owners are managing their own marketing. In this article, we update you on the new Instagram changes. [Read More](#)

How to Care for Seedlings Upon Arrival



Posted on: October 3, 2022 by The North Carolina Farms Team

This blog will explain how our seedlings are sold, what the order process is like, and what you should do once they arrive. [Read More](#)

What We Do to Prevent Pests



Posted on: September 20, 2022 by Jake Taylor

There are practices you can put in place to prevent pests and to be much better prepared to handle bugs when they do come. Here's what we do. [Read More](#)

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- ncfarmsinc.com/YouTube

You Tube



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**.



Use 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

Sunrita Series



Burgundy



Golden Yellow



Red Yellow Tip



Yellow Red Ring



Barbican Red



Barbican Yel. Red Ring

Gazania

Also known as *African Daisy* or *Treasure Flower*, is an annual or **tender perennial** native to South Africa. It has a **mounding habit** 6-10" tall and 10" wide with flowers that bloom from late spring through early summer. **Hardy in zone 8-11**.



Use medium feed (**175-225 ppm N**), a **pH of 5.8-6.2**, and an **EC of .7**



Aphids, mealybugs, spider mites, thrips

4" crop time	8-10 weeks
10" crop time	9-11 weeks
Light	Full Sun
Night temp	55°
Water usage	Light, Moderate



Giant Deep Orange



Giant Red Bronze



Giant Violet Bicolor



Giant Yellow Red



Suncarpenter

Greenhouse Supplies

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.

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ncfarmsinc.com/supplies





Made partially from
recycled materials!



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 0.7**.

 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	Constant

Available in an assorted tray.



Candy Flowers



Bicolor



Bright Red



Violet

Maestro Idols Series



Bright Red



Cherry



Deep Red



Light Pink Parfait



Neon Violet



Pink Parfait



Red



Salmon



Salmon Splash



Sassy Dark Red



True 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

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



Tickled Pink



Watermelon



White

Savannah Series



Blue



Coral



Hot Pink Sizzle



Hot Rod Red



Lavender Splash



Light Salmon



Merlot Sizzle



Oh So Orange



Pink



Pink Sizzle



Really Red



Red



Ruby Sizzle




White


Herbs

Our selection of 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

4" crop time	Varied, 4-8 weeks
Hardy zone	Varied
Light	Full sun
Min night temp	50°
Water usage	Light-Moderate



 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



Stevia*



French Tarragon

Basil



African Blue Basil



Dwarf Basil



Greek Columnar

Lavender*



Angustifolia Munstead



Bucii Pinnata



Forever Blue



Grosso



Hidcote Blue



Hyb. Goodwin Creek



Kew Red



Phenomenal



Provence



Sensational

Mint



Apple



Berries and Cream



Chocolate



Hilarys Sweet Lemon



Kentucky Colonel



Lemon Balm



Mojito



Moroccan



Orange



Peppermint



Pineapple



Spearmint

Oregano



Compacta



Golden



Hot and Spicy



Kent Beauty



Variegated



Vulgare

Rosemary*



Abraxas



Arp



Barbecue



Prostratus Trailing



Salem



Tuscan Blue

Salvia*



Apex Blue



Apex Pink



Apex White



Berggarten Sage



Black and Blue



May Night



Officialis Golden Sage



Officialis Purple Sage



Officialis Tricolor Sage



Pineapple Sage



Sallyfun Bicolor Blue



Sallyfun Blue Emotion



Sallyfun Blue Ice



Sallyfun Blue Lagoon



Sallyfun Deep Ocean



Sallyfun Sky Blue



Sallyfun Snowwhite



Sallyfun XL Blue

Thyme



English



French



Lemon



Lemon Variegated




Silver Queen

Herbs are available in an assorted tray.

*Varieties not available in URC.

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



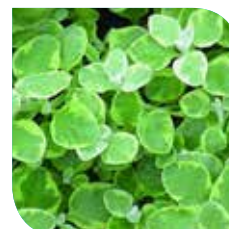
Lemon



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	Moderate



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

Heuchera (also known as *Alum Root* or *Coral Bells*) is an evergreen perennial native to North America, with a mounding habit of 14-18" tall and wide. It performs well in part sun or full sun where the soil doesn't dry out completely. With little maintenance, this plant **tolerates drought and heat, resists deer, and attracts pollinators**. Coral Bells is versatile and equally well-suited to rock gardens, individual **containers, landscape borders, mass plantings, and mixed containers**.

 Plant one rooted plug per container with a **pH of 5.8-6.2**, an **EC of .7**, and temperatures between 65-68 degrees. Use light feed (**100-150 ppm**) and moderate water.

 Black vine weevils

4" crop time	8-12 weeks
10" crop time	12-14 weeks
Hardy zone	4-9
Light	Full sun, partial shade
Night temp	65°
Water usage	Light, Moderate

Kirella Series



Autumn Shades



Fresh Green

Kira Series



Arizona



Evergreen Forest



Green Tea





Jersey



Purple Rain Forest

Iberis

Iberis Sempervirens or *Candytuft* is a perennial flowering plant native to central Europe. It has a **mounding habit** of 6-8" tall and 12-14" wide with evergreen foliage (zone 5-9) and flowers from early spring to fall. Iberis flourishes in **sunny borders and containers** and is **resistant to drought, deer, and rabbits** while attracting pollinators to the garden.

 Use well-drained soil with a **pH of 6.0-6.5**, an **EC of 0.7**, and light feed (**100-150 ppm**)  Mealybugs

4" crop time	10 weeks (1 plant per pot)
Hardy zone	5-9
Light	Full sun, partial shade
Night temp	62°
Water usage	Light, Moderate
Bloom period	Spring, Summer, Fall



First Flush Lavender



Mermaid Lavender



Purity



Snow Cone




Snowdrift




Snowsurfer

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





Jacobinia

Impatiens - Sunpatiens



SunPatiens® are **revolutionary 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.*

Compact Purple
Compact Hot Coral
Compact Orchid Blush



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



Lilac



Orchid Blush



Red



Red Candy



Rose Glow

Not Pictured:
Compact

- Orange
- Purple
- Tropical Rose
- Classic White

Vigorous

- Orange Imp
- Red
- Tropical Orange
- Tropical Salmon

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



Lavender Splash



Orchid



Pink Kiss



Rose Pink



Sweetheart White




Tropical White



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 of 0.7**.

 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

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 is 0.8-0.9**. 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*



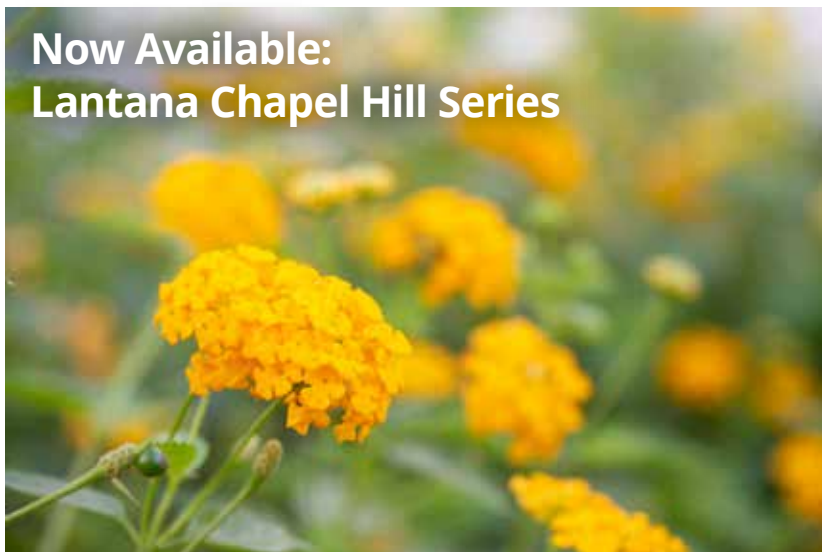
Spreading Gold

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

Now Available: Lantana Chapel Hill Series



Chapel Hill is a hybrid selection that are more cold hardy than other non-patented lantana. Crossed with 'Miss Huff' lantana these colors are perennial down to zone 7. All varieties are patented.

Available as RC and URC!



Gold



Pink Huff



Yellow

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

**No URC.
**Marked varieties are patented.*

Available in an assorted tray.

20+"



Confetti



Dallas Red



Dark Red



Irene



Miss Huff



Samantha*

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

See our website for many more colors:
ncfarmsinc.com/lantana



Trailing




Lavender




White

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. Most are 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
Hardy zone	3
Light	Partial/full shade
Night temp	55° - 60°
Water usage	Moderate



Dark Purple



Gold Nugget



Hanky Panky



Orchid Frost
(patented)



Pink Pewter




Silver Beacon




White Nancy

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

Lipstick

Lipstick plant is a trailing plant native to Malaysia with red tubular blooms that grow from a calyx more than an inch from the tips of vines. It's an epiphyte native to the forest, so it grows well in partial-shade areas and can cling harmlessly to the sides of trees and logs. Sell as a **shade hanging basket** or as a **year-round houseplant**. Non-patented.

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

 Mealybugs, aphids, and possibly thrips

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





Lipstick

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.

**Not available as Unrooted Cuttings.*

 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

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.

 Use a well-drained soil with a balanced fertilizer and a constant feed program of **100-150 ppm N** with an **EC between .7**. Maintain a **pH between 5.8 - 6.0**.

 Aphids, whiteflies, and thrips

**All Lobelia varieties are patented.*

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

Anabel Series



Brilliant Blue



Snow White

Glow Series



Blue Volt



Electric Blue



White Lightning

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 .7**. 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

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.

 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



Golden (Creeping Jenny)
Zone 3



Golden Globes
Zone 6

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

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

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).



Our seedling tray size has 288 cells. The plugs are .75" in across and 1" tall (19 x 25 mm).

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

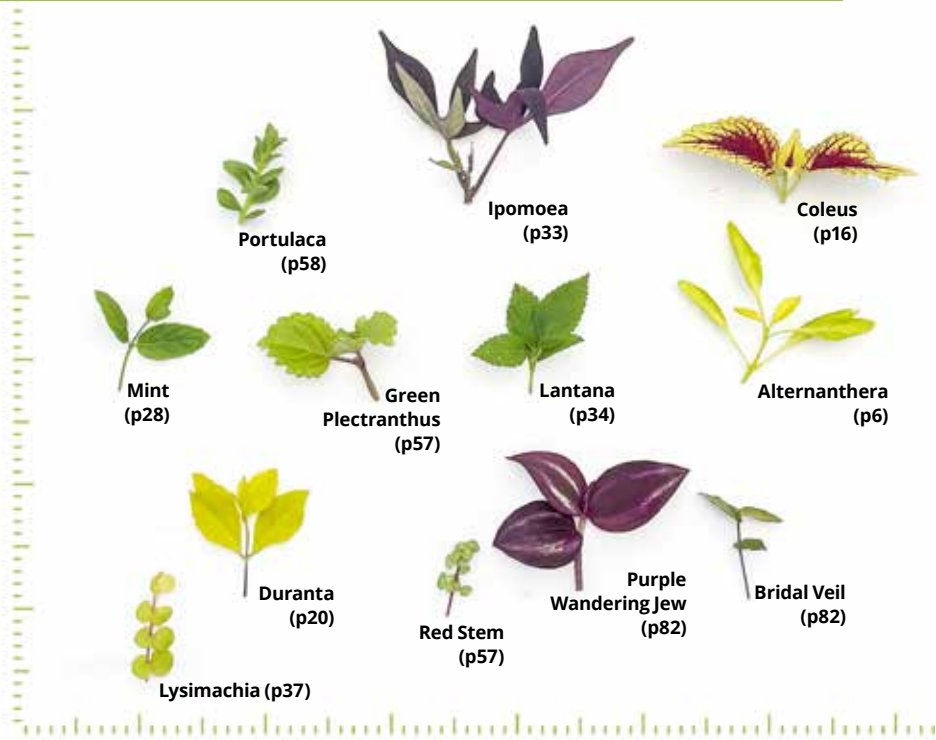
Unrooted cuttings vary in size between plant families, but most of them are tip cuttings that stick nicely in our 105 plug tray. All unrooted orders ship overnight separately from rooted material.



Want tips on caring for your unrooted cuttings?
Visit ncfarmsinc.com/urc



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



Small Orders, Big Variety

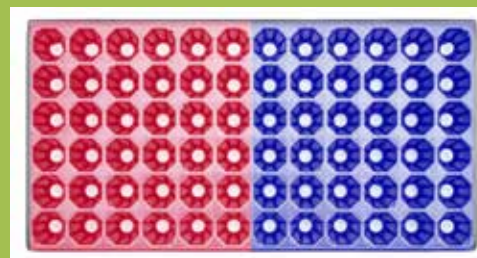
In an effort to serve our smallest customers, we've created a variety of ways to order small quantities of individual plants. Our four tray order minimum is already one of the lowest on the market--these partial trays and assortments make it possible to get the biggest variety in the smallest amount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

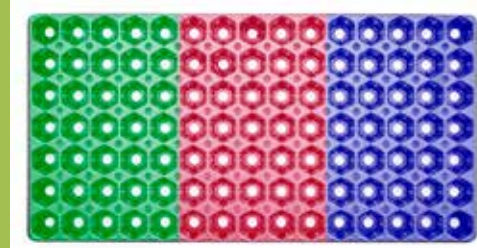
For those of you like to be in control, we've also added the possibility to order partial trays with any color and variety of your choosing--as long as the cell count matches (see diagram, right).

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

72-cell trays will come with **two varieties**, 36 of each color (billed at 35).



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**
12.5¢ above list price‡	17.5¢ above list price‡	95¢ per plant	\$1.03 per plant

* See price list for a complete list of assorted trays.

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

† See page 17 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

Page	2023-2024 Price List <i>Prices subject to change</i>	Tray Size	Unrooted Cuttings	Rooted Plugs	Assort.
4	Abutilon - Chinese Lantern <i>Patented Varieties</i>	105	28¢	78.9¢ 94.4¢	—
4	Acalypha Chenille Firetail <i>Patented</i>	105	21¢ —	62.4¢ 69.6¢	—
4	Achillea - Moonshine <i>Summer Drift</i> <i>Desert Eve Series, Diadem</i>	105	— — —	68¢ 77.7¢ 87.6¢	— — —
75	Aeonium	72	—	\$1.07	
5	Agastache	105	—	85¢	—
5	Ageratum - Aguilera Series <i>Bumble Series</i>	105	— —	75.5¢ 68.9¢	— —
6	Ajuga <i>Patented Varieties</i>	105	— —	65.8¢ 87.5¢	— —
6	Alsobia	105	—	82.7¢	—
6	Alternanthera	105	17.9¢	59.9¢	72.4¢
7	Angelonia	105	—	81.5¢	94¢
7	Argyranthemum <i>Patented Varieties</i>	105	— —	64.1¢ 75.6¢	— —
8	Aubrieta	105	—	82.7¢	—
8	Bacopa	105	—	70¢	—
28	Basil	105	21.3¢	64.9¢	—
8	Basket Grass	105	18.9¢	64.1¢	—
9	Begonia Angelwing <i>Brazilian Lady, Medora, Richmondensis</i> <i>Benigo, Frosty, Lois Burke, Lynda Dawn, Pink Cane, Sinbad, Sunbrite, Torch Pink</i> <i>Fannie Moser, Lana, Looking Glass, Miss Mummy, My Special Angel, Sophia, Torch</i>	72	37.3¢ 42.5¢ —	73.8¢ 81.5¢ 99¢	94¢
10	Begonia Double	105	30.7¢	68.3¢	—
9	Begonia Morocco	72	61.2¢	\$1.09	—
10	Bidens	105	21¢	77¢	—
10	Bracteantha	105	—	76.4¢	—
11	Buddleja	105	—	\$1.04	—
11	Bulbine	105	—	75.2¢	—
11	Calendula	105	—	86.1¢	—
12	Calibrachoa <i>Patented Varieties</i>	105	28¢ —	72¢ 79.8¢+	84.5¢
11	Candy Corn Plant	105	—	63.9¢	—
15	Carnation/Dianthus	105	38.6¢	85.3¢	—
14	Catharanthus	105	—	91¢	—
14	Celosia	105	—	85.7¢	—
14	Chlorophytum Spider	105	—	70¢	—
15	Citronella	72	—	99¢	—
15	Cleome - <i>Patented Varieties</i>	105	—	92¢	—
16	Coleus <i>Patented Varieties (online)</i>	105	18.9¢ —	60.9¢ 69.1¢+	73.4¢
16	Coleus - All Mixed Up Assortment	105	—	—	75.4¢
17	Combination Trays	105	—	—	94.4¢
18	Coreopsis <i>Nana, Verticillata Moonbeam, Zagreb</i> <i>Grandiflora, Solanna Series</i> <i>Bengal Tiger, Desert Coral, Firefly, Lightning Bug, Ruby Frost</i>	105	— — —	71.5¢ 95¢ \$1.04	— — —
75	Crassula	72	—	83¢	—
18	Cuphea <i>Cupid Series, Ignea Series</i> <i>FloriGlory</i>	105	19.8¢ — —	58.7¢ 67.2¢ 70.8¢	— — —
19	Dahlia	105	—	92.4¢	—
76	Delosperma <i>Patented Varieties</i>	72	— —	62.5¢ 82.5¢	— —
19	Diascia <i>Genta Series</i> <i>Sundiascia</i>	105	— —	80.2¢ 86.1¢	— —
20	Didelta	105	—	79.8¢	—
20	Dorotheanthus Variegated	105	25.7¢	71¢	—
20	Duranta	105	28¢	71.4¢	—
76	Echeveria	72	—	\$1.10	—

Page	2023-2024 Price List <i>Prices subject to change</i>	Tray Size	Unrooted Cuttings	Rooted Plugs	Assort.
20	Echinacea	105	—	\$1.21	—
21	Erysimum	105	—	84.1¢	—
76	Eupatorium	105	—	\$1.03	—
77	Euphorbia - Hypericifolia	72	—	78.8¢	—
22	Euryops	105	—	65.1¢	—
22	Evolvulus	105	19.8¢	59.6¢	—
22	Felicia	105	—	76.5¢	—
22	Fern	72	—	95.0¢	—
23	Fuchsia <i>Select Patented Varieties</i> <i>Corabells, Fuchsita, Standup Series</i>	105	— — —	60.8¢ 67.6¢ 71.2¢	—
25	Gaillardia	105	—	\$1.08	—
23	Gaura	105	—	88.7¢	—
25	Gazania	105	—	86.5¢	—
26	Geraniums	72	—	95.6¢	\$1.08
77	Graptopetalum <i>Murasaki</i>	72	— —	91.6¢ 96.3¢	—
77	Graptosedum / Graptoveria	72	—	91.6¢	—
30	Helichrysum	105	21¢	62.4¢	—
30	Heliotrope	105	30.7¢	74.3¢	—
30	Hemigraphis	105	24.2¢	67.3¢	—
28	Herbs - Assortment	105	—	—	87.9¢
31	Heuchera	105	—	\$1.31	—
31	Iberis	105	—	81.6¢	—
33	Ipomoea Sweet Potato <i>Patented Varieties</i>	105	29.3¢ 37.3¢	73¢ 78.2¢	85.5¢
30	Iresine Chicken Gizzard	105	20¢	62.5¢	—
31	Jacobinia	105	—	\$1.22	—
78	Kalanchoe	72	—	90.3¢	—
36	Lamium - Maculatum Series <i>Orchid Frost*, Silver Beacon, Silver Frost*</i> <i>Lami Series</i>	105	— — —	61¢ 67.5¢ 76.8¢	—
78	Lampranthus	72	—	78.6¢	—
34	Lantana <i>Bright Orange*, Florida Series*, Lil' Miss, Magic Hour, Megan's Gold, Nugget, Tropical Pink</i> <i>Chapel Hill Series, Other Patented Varieties* (online)</i>	105	22.6¢ 25.6¢ 30.6¢	64.7¢ 68.9¢ 73.8¢	81.4¢
28	Lavender <i>Phenomenal, Sensation</i>	105	— —	77.6¢ 88.6¢	—
36	Leucanthemum	105	—	\$1.04	—
36	Lipstick Plant	105	—	\$1.22	—
37	Lobelia	105	—	78.2¢	—
37	Lobularia - Patented Varieties	105	—	82.1¢	—
36	Lotus Vine	105	—	95.6¢	—
37	Lysimachia	105	21¢	65.2¢	—
28	Mint <i>Select Varieties</i>	105	21.3¢ —	64.9¢ 75.4¢	—
46	Mums - Belgians <i>Yoders</i>	105	— —	53.6¢ 50.4¢	66.1¢ 62.9¢
50	Nemesia	105	—	77.9¢	—
51	Nepeta <i>Kit Kat, Walker's Low</i> <i>Blue Dragon, Neptune, Purple Haze, Sylvester Blue</i>	105	— —	60.9¢ 79.6¢+	—
48	New Guinea Impatiens <i>Harmony</i> <i>Sun Harmony</i> <i>Colorfall Series, Sol Luna Series</i>	105	— — —	72.5¢ 73.6¢ 76.4¢	86.1¢
29	Oregano	105	21.3¢	64.9¢	—
50	Osteospermum <i>Patented Varieties</i>	105	— —	67.7¢ 78.8¢	—
51	Oxalis	105	—	60.5¢	—
51	Pellionia	105	—	65.2¢	—
51	Penstemon	105	—	88.7¢	—
52	Peperomia	105	23.9¢	65.2¢	77.7¢

Page	2023-2024 Price List <i>Prices subject to change</i>	Tray Size	Unrooted Cuttings	Rooted Plugs	Assort.
52	Pericallis	105	—	89.6¢	—
52	Perilla	105	19.8¢	63.6¢	—
52	Perovskia	105	—	70.4¢	—
54	Petunia - <i>Littleunia, Cascadia, and Ray Series</i>	105	—	76.5¢	89¢
	<i>Crazytunia Series</i>		—	83.4¢	—
	<i>Surfinia Series</i>		—	88.5¢	—
53	Petunia SuperCal	105	—	79.4¢	—
56	Phlox	105	—	66.1¢	—
	<i>GoldiPhlox Series</i>		—	82.3¢	—
	<i>Famous Series</i>		—	98.7¢	—
	<i>Sweet Summer Series</i>		—	\$1.07	—
57	Pilea	105	26.7¢	70.8¢	83.3¢
	<i>Moon Valley</i>		—	84.3¢	—
57	Plectranthus - <i>Green, Mint, Purple</i>	105	19.8¢	64.1¢	79.5¢
	<i>Hilliardiae, Emerald Lace*, Upright Ciliatus*</i>		30.7¢	70.5¢	—
	<i>Velvet Series</i>		—	87.3¢	—
59	Plumbago	105	—	64.2¢	—
59	Purple Fountain Grass	72	—	95.6¢	—
59	Purple Passion	105	—	73.3¢	—
58	Purslane/Portulaca	105	20¢	64.1¢	76.6¢
	<i>Colorblast Series, Pazzaz Series</i>		—	78.5¢	—
59	Rhoeo	105	—	77.5¢	—
29	Rosemary	105	—	77.6¢+	—
29	Salvia	105	—	64.9¢	—
	<i>Sallyfun Series</i>		—	85.3¢	—
	<i>Apex Series</i>		—	86.1¢	—
60	Sanchezia Nobilis	72	—	76.7¢	—
60	Scabiosa	105	—	71.5¢	—
60	Scaevola - <i>Blue Fan Flower, Purple Haze*, Top Pot Series*</i>	105	25.2¢	73.1¢	—
	<i>Other Patented Varieties</i>		—	79.9¢+	—
78	Sedum	72	—	74¢	—
79	Sempervivum	105	—	86.1¢	—
	<i>Lavender Old Lace, Silverine, Spring Beatuy</i>		—	91.1¢	—
	<i>Lavender Ice, Colorockz Series</i>		—	\$1.02	—
61	Senecio Ivy	105	22.6¢	66.7¢	—
	<i>Wax Ivy Variegated</i>		—	82.5¢	—
79	Senecio Succulents	72	—	82.5¢	—
	<i>String of Pearls varieties</i>		—	90¢	—
	<i>Angel Wings</i>		—	\$1.75	—
61	Setcreasea Purple Heart	105	28¢	73.8¢	—
61	Shrimp Plant	105	—	72.5¢	—
61	Streptocarpella	105	29.3¢	66.3¢	—
28	Stevia	105	—	64.9¢	—
61	Strobilanthes Persian Shield	105	—	66.7¢	—
74	Succulent Assorted - <i>Crassula, Sedum</i>	72	—	—	90¢
	<i>Echeveria, General, Trailing</i>		—	—	99.8¢
39	Super Assortments - <i>Fairy, Foliage, Spring</i>	105	—	—	99.8¢
32	Sunpatiens - <i>Patented Varieties</i>	105	—	84.6¢	—
28	Tarragon	105	26.7¢	77.6¢	—
80	Thunbergia <i>Orange, Pink, Yellow</i>	105	—	72.6¢	—
	<i>Alata Sunny Susy Series</i>		—	77.2¢	—
29	Thyme	105	21.3¢	77.6¢	—
80	Tolmiea Piggyback Plant	105	—	95.6¢	—
80	Torenia	105	—	78¢	—
81	Verbena	105	22.6¢	66.8¢	79.3¢
	<i>Patented Varieties</i>		—	75.2¢	—
81	Veronica <i>Georgia Blue, Giles van Hees, Queen of Diamonds, Red Fox</i>	105	—	73.1¢	—
	<i>Ronica Series</i>		—	86.1¢	—
	<i>Bubblegum Candles, Seaside, Snow Candles</i>		—	98.2¢	—
82	Vinca Vine	105	—	62.4¢	—
	<i>Minor Evelyn</i>		—	70.4¢	—
82	Wandering Jew - <i>Bolivian, Bridal Veil, Burgundy, Green, Green Silver, Purple, Red</i>	105	19.8¢	64.1¢	79.5¢
	<i>Baby Bunny Bellies, Green Yellow, Lavender, Purple Fuzzy*, Rainbow*, Tricolor*, White Fuzzy*</i>		17.9¢	73.4¢	—
	<i>Rhapsody Combo: four contrasting plants per cell</i>	72	—	\$1.04	—

* These items not available in URC.

Page	2023-2024 Price List - Seedlings <i>Prices subject to change</i>	Tray Size	Rooted Plugs
62	Angelonia	288	30.2¢
64	Basil	288	11¢
62	Begonia - Ambassador, Badabing, Badaboom Illumination Series Babywing, Dragonwing	288	15.3¢ 21.2¢ 30.9¢
72	Cabbage - All Seasons, Brunswick Charmant, Early Flat Dutch	288	10.8¢ 21¢
72	Cauliflower - Snowball Y Improved, Snow Crown Candid Charm	288	10.6¢ 13.1¢
63	Celosia - Castle Series Smart Look Red	288	12¢ 26.3¢
64	Cilantro	288	10.7¢
63	Coleus - Rainbow Series, Wizard Series Fairway Mix Kong Series	288	12.3¢ 16.1¢ 26.7¢
63	Cosmos	288	13.7¢
64	Dianthus - Ideal Select Series Coronet Mixture	288	22.2¢ 26.3¢
64	Draecena	105	71.2¢
65	Grasses - ColorGrass Series	72	73.2¢
65	Impatiens	288	14.5¢
72	Kale	288	13.5¢
64	Lavender	288	22.4¢
64	Lemon Balm	288	15.8¢
65	Lemon Grass	72	60.3¢
72	Lettuce Salad Bowl	288	10.6¢ 21¢
66	Lobularia	288	13¢
66	Marigolds	288	12.1¢
73	Onion Onion Candy	288	10.7¢ 12.7¢
64	Oregano Ornamental Kirigami, Simply Herbs	288	11.4¢ 15.9¢
67	Pansies	288	15.9¢
69	Penstemon Partybells Series	288	22.4¢ 25.5¢
73	Pepper Cayenne Large Red	288	11.7¢ 14.2¢
68	Petunia - Damask Series, Daddy Series, Celebrity Series Double Cascade Wave, Easy Wave	288	12.7¢ 16.9¢ 28¢
69	Snapdragon	288	12.3¢
70	Sprenger Fern	105	50¢
73	Squash Spineless Beauty	288	11.5¢ 17.7¢
73	Tomato - Beefstake, German Johnson, Red Cherry Large, San Marzano (Roma), Yellow Pear Black Cherry Better Boy, Big Boy, Pink Charmer Cherokee Purple, Pink Charmer Cherry, Roma	288	10.7¢ 12.3¢ 16.1¢ 21¢
70	Vinca	288	17.8¢
71	Viola	288	15¢
71	Zinnia - State Fair Mix Profusion Series, Star Series	288	13.7¢ 16.7¢
EXTRAS			
21	Ellepots		see p.21
45	Tags - By request only. Bundles of 100 Less than 100 per variety	100 <100	5¢ ea. 8¢ ea.

Please see our website for the most up-to-date
plants and pricing options:
<https://ncfarmsinc.com>



Billing

CONTACT NAME

CITY

STATE

ZIP

PHONE

FAX

CELL

FAX

E-MAIL

BILLING ADDRESS

Shipping

CONTACT NAME

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Customer Notes: _____

Payment Info

 AMERICAN EXPRESS

DISCOVER

BROKER:

V-CODE**

□ CHE

MONEY ORDER

(We must receive payment before your plants will ship.)

*Please make all checks payable to: **NC Farms** **V-Code is a three-to-four-digit number located in the signature block on the back of the credit card. ***If you order through a broker, you will receive your acknowledgement from them. Please notify us if you do not receive it.

ADD
TAGS

COST

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51

11

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TOTAL:

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 (but are not limited to) 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. While we have attempted to mark patented varieties throughout this catalog and our website it is the customer's responsibility to verify patent status before propagating. **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 \$2.00 per tray on all rooted orders and \$4.00 per box for all unrooted orders.** This fee applies to all boxed orders for shipping or pick-up. An additional \$5.00 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 11")
- Six-tray Boxes (24" x 22" x 14")
- Eight-tray Boxes (24" x 22" x 17")

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 (\$5.00 per 100)
- Custom Order: sold in any quantity less than 100 (\$0.08 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.
- ▶ **UPS is most common for shipments in mild weather.**
Unrooted orders ship overnight; rooted plants ship second-day (in many cases, UPS Ground). 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.*


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 08, 2024, 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.

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/mums

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

*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.

LATE AUGUST			EARLY SEPTEMBER			MID SEPTEMBER			LATE SEPTEMBER			EARLY/MID OCTOBER		
	N	S		N	S		N	S		N	S		N	S
Aideen™ RedFire	34.5	35	Bonnie™ Red	35	36	Beverly™ Dk Brze	36.5	38	Cheryl™ Jolly Red	39.5	39.5	Ashley™ Red	39	40
Hestia™ Hot Red	34.5	35.5	Josephine™ Red	35	36	Christina™ Red	37	38	Hailey™ Red Brze	36.5	39	Autumn Sunset™	39	40
Samantha™ Red	34	34	Patty™ Pomegr.	34.5	37	Danielle™ Red	36	37.5	Tabitha™ Scarlet	36.5	38.5	Cynthia™ Scarlet	39	41
						Mila™ Red	36	37.5	Wanda™ Red	37.5	39	Edana™ Red	38	40
						Selena™ Red	37	38				Kathleen™ Dk Rd	40	41
												Rhonda™ Red	41	42
												Rihanna™ Red	39	40
Brittany™ Yel.	34.5	34.5	Chelsey™ Yellow	36	37	Beverly™ Gold	36	37.5	Cheryl™ Golden	38.5	39	Bethany™ Yel.	39.5	41
Michelle™ Gold	35	35	Dawn™ Yellow	35	36	Chloe™ Yellow	36	38	Cheryl™ Sprkng Y	38.5	39	Ellen™ Golden Bi-C	40	41
Tanya™ Yel.	34	34	Elena™ Gold	36	36	Mary™ Yellow	37	38	Hailey™ Gold	36.5	39	Jane™ Yellow	39.5	41
			Gigi™ Gold	35.5	37	Zelda™ Yellow	38	38	Hankie™ Yellow	38	39	Makayla™ Yel.	39	41
			Gigi™ Yellow	36	37				Tina™ Gold	36	38.5	Nikki™ Yel.	39	41
			Jacqueline™ Yel.	34	36				Wilma™ Yellow	39	39	Pamela™ Yellow	39	41
			Ursula™ Yellow	35	37				Yvette™ Yellow	38	39.5	Rhonda™ Yel.	41	42
			Yolanda™ Yel.	34.5	36.5									
Beatrice™ Or.	34	34	Dorothy™ Brnz	35.5	37	Aubrey™ Orange	36	38	Cheryl™ Spicy Or.	39	39.5	Judy™ Bronze	40	41.5
Electra™ Amber	35	35	Gigi™ Orange	35.5	37	Beverly™ Bronze	36	38	Hailey™ Orange	36.5	39	Makenna™ Orange	39	40
Hannah™ Or.	35	35.5	Jacqueline™	34.5	36	Beverly™ Orange	36	37.5	Wanda™ Bronze	36.5	38.5	Nikki™ Bronze	39	41.5
Tracy™ Orange	35	35	Orange Fusion			Lucy™ Brz Bi-C	37	38				Nikki™ Orange	39	41
			Keeley™ Or.	34	36	Miranda™ Or.	35	38				Pamela™ Orange	39	41
			Ursula™ FancyOr	34	36.5	Stacy™ Dazzling	36	38				Rhonda™ Bze	41	42
			Ursula™ Jazzy	34	36	Orange								
			Coral											
Arlette™ Pur.	34	35	Gigi™ Dark Pink	35.5	37	Adriana™ Purple	36	37.5	Cheryl™ RegalPur.	39.5	39.5	Elizabeth™ Dk Pink	39.5	40
			Jacqueline™ Pink	35	36	Danielle™ Purple	36	38	Wanda™ Purple	38	39	Emelda™ Purple	40	41
			Patty™ Purple	35	37							Nikki™ Dark Pink	39	41
			Veronica™ Dk Pk	36	37							Rhonda™ Purple	41	42
Edith™ Wh	34	35	Bertha™ White	35	36	Addison™ White	37	38	Cheryl™ Frosty	39	39.5	Joann™ White	40	41.5
Shannon™ Wh.	33.5	34	Chelsey™ White	36	37				White			Makenzie™ White	38	40
			Gigi™ Snow	36	37				Wilma™ White	39	39	Mildred™ White	39	41
			Jacqueline™	34	36							Nikki™ Pearl	39	41.5
			Pearl									Pamela™ White	39	41
			Katie™ White	35	36							Rhonda™ White	41	42
			Vanna™ Snow	35	37									
Demi™ Pink	33.5	34	Chelsey™ Pink	36	37	Stacy™ Pink	36	38	Chelsey™ Coral	37	38.5	Pamela™ Pink	39	41
Summer Sun.™	34	35	Debbie™ Hot Pk	34	36				Cheryl™ Pink	39.5	39.5			
Teresa™ Pink	34	35	Gigi™ Coral	35.5	37				Wanda™ Lavend.	37.5	39			
			Jacqueline™	34.5	36									
			Peach Fusion											
			Jacqueline™ Rose	34	36									
			Ursula™	35	37									
			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!

New Guinea Impatiens




Sol Luna Pink

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



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.

Looking for SunPatians? See page 32!

 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

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

Sun Harmony and Sol Luna series can be grown in the shade as well as in direct sun!

Harmony Colorfall Series



Dark Leaf Red

Fuchsia

Light Coral

Neon Red

Orange

Passion

Pink

White

Sol Luna Series



Blush

Candy Apple

Dark Lavender

Electric Pink

Lilac

Red

Tropical Punch

Ultra Violet

White

Harmony Series



Apricot Cream



Bicolor Red



Bold Red



Bubblegum



Candy Cream



Dark Lavender



Dark Lilac



Dark Pink



Dark Red



Dark Violet



Deep Red



Deep Salmon



Fuchsia Cream



Magenta



Marshmallow Cream



Orange Blaze



Orange Star



Pastel Lavender



Pink Cream



Pink Smile



Purple Cream



Raspberry Cream



Red Cardinal



Salmon Cream



Snow



Tangerine

Radiance



Hot Pink



Lilac

Sun Harmony Series



Deep Orange



Deep Pink



Red




Violet




White

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 .7** 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

Nesia Series



Banana Swirl



Bananaberry



Burgundy



Denim



Inca



Magenta



Snow Angel



Sunshine




Tropical




Tutti Frutti

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

Osticade Series



Daybreak



Pink



Pure White



Purple



Twilight Moon



Yellow

Ostica Series



Amethyst



Bronze



Burgundy



Glamour



Mega Pink



Midnight

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
Hardy zone	4
Light	Full sun to partial shade
Night temp	55°
Water usage	Light-moderate
Bloom period	Summer



Kubanica Neptune



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

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**.

**Not available as Unrooted Cuttings.*

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.

**Not available as Unrooted Cuttings.*

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

Penstemon

Penstemon is a perennial flowering plant native to the United States. It's a low-maintenance perennial for a **cutting garden** or **landscape border**. This plant **resists deer**, **attracts pollinators**, and **tolerates drought**. Trumpet-shaped flowers bloom in summer on upright, compact foliage.

6" crop time	12 weeks
Hardy zone	5-9
Light	Full sun
Night temp	50°
Water usage	Light

Plant one rooted plug per 6-inch container or three per 10-inch container. Start small containers in January and large ones in September. Use a well-drained soil with a pH of 5.5-7.0, average daytime temperatures of 70 degrees and nighttime temperatures of 50 degrees, and light feed (75-125 ppm N).

Not prone to pests. Leaf spot and mildew can develop in shade



Pocahontas



Riding Hood Delfts



Riding Hood Purple



Riding Hood Red

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**.



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**.



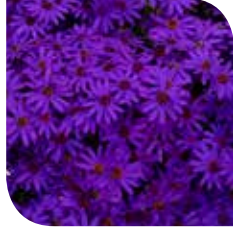
Aphids, thrips, whiteflies, spidermites

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

*All varieties are Patented.



Blue Bicolor



Deep Blue



Lavender Dawn



Magenta Bicolor



Red halo



Super Blue

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.
*Not available as Unrooted Cuttings.



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*

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**.

**All SuperCal® varieties are patented.*

Use a constant feed program of **250-300 ppm N** with an **EC level .9**. Maintain a **pH between 5.5 - 6.0**. Apply extra iron to promote good leaf color.

Aphids, leafminers, whiteflies, and thrips

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

Premium Series



Blue



Cherry Improved



Bordeaux



Caramel Yellow



Cinnamon



French Vanilla



Pink Improved



Rose



Red Maple



Sunray Pink



Sunset Orange

Not Pictured:
 • Pearl White
 • Purple Dawn
 • Yellow Sun

Petunias

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**.



Use a **constant feed program of 250-300 ppm N** with an **E.C. of .9**. Remember to leach periodically in order to prevent salt build up. Maintain a **pH between 5.8 - 6.2**.



Whiteflies, aphids, leafminers, and thrips

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

Available in an assorted tray.

Surfinia Series



Blue Veined



Deep Red



Giant Blue



Giant Purple



Heartbeat Imp



Heavenly Blue



Heavenly Cabernet



Magenta



Sky Blue



Summer DBL Pink



Summer DBL Rose



Summer DBL Salmon



Summer DBL White



Sumo Pink



White Imp



XXL Salmon Vein



XXL Taffy Pink



XXL Watermelon Jazz

Littletonia Series



Bicolor Illusion



Blue Veined



Pink Splash



Purple Blue



Shiraz



White Grace

Ray Series



Black



Classic Blue



Purple Vein



Sunshine



Sunflower



White

Cascadia Series



Arizona Sky



Autumn Mystery



Bicolor Cabernet



Chili Red



Fuchsia



Iceberg



Indian Summer



Indigo



Passion



Pitaya



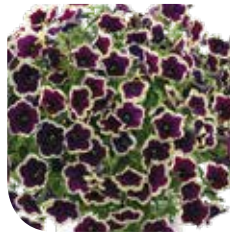
Purple Gem



Purple Ice



Rim Cherry Improved



Rim Magenta



Rim Violet Improved

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



Crazytunia Series



Bitter Lemon



Black and White



Black Mamba



Blackberry Cheese-cake



Blackberry Jam



Blue Picotee



Cherrie Jubilee



Cosmic Pink



Cosmic Purple



Firecracker



Frisky Violet



Mahogany Queen



Mandeville



Moonstruck



Pulse



Red Blues




Terracotta Imp




Tiki Torch

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



Chattahoochee



Coral Creme Drop



Emerald Cushion Blue



Emerald Pink



Fort Hill



McDaniels Cushion



Purple Beauty



Scarlet Flame



Trot Pink

Bambini Series



Cherry Crush



Desire



Lucky Lilac



Primadonna



Sweet Tart

Famous Series



Pink



Purple Imp



White Eye



Cherry



Rose



White

GoldiPhlox Series



Compact Rose



Dream Orange Rose



Fantasy Purple
Bicolor



Red




Soft Pink




Violet White

Sweet Summer Series

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

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*



Aluminum Plant



Artillery



Baby Tears



Creeping Charlie



Dark Mystery*



Moon Valley*




Red Stem




Tiny Tears

Plectranthus

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*

Portulaca/Purslane

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. Some 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

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



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



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

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 spring through fall.

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 median EC of 0.7

Chili thrips and mites

**Not available as URC*

4" crop time	8-12 Weeks
Hardy zone	9-10
Light	Full sun, Partial Shade
Night temp	62°
Water usage	Moderate
Bloom period	Spring, Summer, Fall



Dark Blue



Imperial Blue



White

Purple Fountain Grass

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 Passion

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

**Gynura are not available as URC.*

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



Purple Passion

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



Ellen

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



Butterfly Blue

Scaevola

Scaevola is a **flowering annual** from Australia that is 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 for color in 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



Touch Series



Baby Pink



Blue



Indigo



Purple Haze



White

Also Available:
Top Pot Series

Blessing Series



Bicolor Lavender



Lavender



Pink

Senecio

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. 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



Purple Heart



Purple Variegata

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

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. *Not available as *Unrooted Cuttings*.



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



Concord Blue 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.



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**. Will need daylight extension to keep them from flowering in the winter. Maintain a **pH between 5.8 - 6.2**.



Spider mites, occasional aphid or mealybug

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





Persian Shield

Seedling Annuals

Angelonia

Native to Mexico and the West Indies, **Angelonia** are commonly called summer snapdragon due to the appearance of its delicate-looking flowers. As an annual landscape plant, Angelonia has a tall, upright habit reaching up to 18 inches in height. Full bloom spikes cover the plant, giving it a rich color. The foliage is fragrant, smelling a bit like apples, which makes it excellent for cut flowers since the scent remains, even after being indoors for a while. Angelonia makes a good bedding plant, so your customers may want to use it in borders, but it can also be planted in pots and even window boxes.

 Angelonia can be grown pot tight in 1801s or 4 inch pots, but you may need to spread them out as they reach their final size. Use a constant feed program of 175-225 ppm N. Maintain a pH between 5.8 - 6.2.

 Whiteflies, aphids, and thrips

4" crop time	9-10 weeks
Light	Full sun
Night temp	65°
Water usage	Light
Bloom Period	Spring, Summer

Serena Series

- Blue • Mix
- Purple • Rose
- White
- Waterfall Mix

Serenita Series


- Lavender • Mix
- Pink • Purple
- Rose • Sky Blue
- White



Angelonia

Begonia

Begonias are a popular choice for landscape enthusiasts, beloved for their vibrant and versatile nature. These seed varieties thrive in both sunny and shady conditions. With their exceptional adaptability, they bring a splash of color and elegance to a variety of outdoor spaces.

 Plant one seedling plug per 1801 cell, one or two per 4-inch, or five to six per 10-inch container. Use well-drained soil with a pH of 5.5-5.9, EC of .6, temperatures of 66-68 daytime and 64-66 nighttime, and light feed (125-175 ppm N). Provide light at 4,000-6,000 fc and don't pinch or use PGRs.

 Aphids, thrips, and botrytis

Ambassador



Bicolor



Coral



Mix



Pink



Rose



Rose Blush



Scarlet



White

4" crop time	4-5 weeks
Light	Full Sun, Partial Shade
Night temp	62°
Water usage	Light
Bloom Period	Spring Summer Round

Also Available

- Babywing
- Bada Bing
- Eureka
- Mocca

Bada Boom



Mix



Pink



Rose



Lemon



Mix



Pink

Illumination



Rose Bicolor



Scarlet



White



Scarlet



White




Red

Dragonwing

Celosia

Known as *Celosia plumosa*, **Plumed Cockscomb**, or **Silver Cockscomb**, these seedlings are an annual native to Nigeria, Madagascar, and Tanzania. "Celosia," Greek for "burning," lives up to its name with vibrant plumes of color. Takii Seed developed the Castle variety for excellent resistance to heat and drought and beautiful coloring. Any cottage, rustic, or tropical flower garden will benefit from Castle's long season of showy color and texture.

 Plant one seedling plug per 1801 cell or 4-inch container or 3-5 per 10-inch container. Use a well-drained soil in full sun with a pH of 6.0-6.6, EC of .5, and light feed (100-150 ppm). Maintain temperatures of 70-75 daytime and 65-68 nighttime. This variety responds to A-Rest, Cycocel, B-Nine, Bonzi, and Sumagic as needed and doesn't require pinching.

 Aphids, spider mites, botrytis, and powdery mildew

Celosia Varieties

- Castle Mix
- Castle Orange
- Castle Pink
- Castle Scarlet
- Castle Yellow
- Smart Look Red




Celosia

4" crop time	6-8 weeks
10 " crop time	10-12 weeks
Light	Full Sun
Night temp	65°
Water usage	Moderate
Bloom Period	Fall, Spring, Summer

Coleus

Discover the captivating beauty of **Coleus** seed varieties, renowned for their vibrant foliage and endless possibilities in landscape design. These stunning plants offer an array of colors, patterns, and textures, making them a versatile choice for adding drama and visual interest to any outdoor space.

 Plant one seedling plug per 1801 cell or 4-inch container. Use well-drained soil with a pH of 5.8-6.2, EC of .6, temperature of 68-75 daytime and 65-68 nighttime, and light feed (100-175 ppm N). Be sure to provide sufficient Potassium in your fertilizer program to promote good color. This plant is requires short days. Don't pinch, but use daminozide two or three weeks after transplanting to control height if needed.

 Aphids, mealybugs, whiteflies, alternaria, verticillium, and botrytis

Best Sellers Pictured

Full Series Available:

- Black Dragon
- Fairway
- Kong
- Rainbow
- Wizard

4" crop time	7-9 weeks
Light	Full sun, Partial Shade
Night temp	65°
Water usage	Moderate



Black Dragon



Fairway Mix



Fairway Rose



Kong Empire Mix



Rainbow Masterblend



Red Velvet




Wizard Rose



Wizard Scarlet

Cosmos

Known as *Cosmos sulphureus*, these seedlings are annual flowering plants native to Mexico and Central America. These varieties offer a superior, more uniform habit to others. They produces vibrant flowers from mid-spring until frost on dark green upright foliage 10-12" tall and 6-8" wide. The cheerful pinnate flowers attract pollinators and excel in containers, borders, and cut bouquets.

 Plant one rooted plug per gallon container. Use well-drained soil in full or partial sun with light feed (100-175 ppm N), a pH of 5.8-6.2, and an EC of .5. Provide temperatures of 60-64 daytime and 57-60 nighttime. Don't pinch, but use daminozide or chlormequat as needed.

 Aphids, thrips, fusarium wilt, and leaf spot.

Cosmos Varieties

- Limara Lemon
- Mandarin
- Sea Shells Mix
- Sensation Mix




Cosmos

4" crop time	5-7 weeks
Light	Full sun, Partial Shade
Night temp	60°
Water usage	Moderate
Bloom Period	Spring, Summer, Fall

Seedling Annuals

Dianthus

Known as Sweet William, Single Dianthus, or *Dianthus chinensis x barbatus*, this hybrid annual flowering plant is native to Eurasia. Bringing bright color and fragrance to landscape borders, mixed containers, mass plantings, and patio planters, this cultivar is well-suited for cell packs and 4-inch containers for spring and fall sales.

 Plant one per 1801 cell or 4-inch container or three per gallon container. Use well-drained soil with a pH of 5.8-6.2, EC of .6, and light feed (100-175 ppm N). Maintain temperatures of 60-72 daytime and 50-60 nighttime and provide long days. Be sure your fertilizer offers adequate calcium; a calcium-based feed at 15-5-15 works well. Don't pinch but use paclobutrazol to control growth if needed.

 Aphids, thrips, spider mites, botrytis, fusarium wilt, and pythium root rot

4" crop time	8-10 weeks
Light	Full sun, Partial Shade
Night temp	50°
Water usage	Moderate
Bloom Period	Spring, Summer, Fall



Coronet Mixture

Select Series



Mix



Raspberry



Red



Violet




White



White Fire

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.

 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


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




Dracaena, with Zinnias (p. 73)

Herbs

Immerse yourself in the aromatic world of herb varieties, where culinary delights and fragrant sensations await. These carefully selected herb seeds offer a diverse range of flavors, scents, and textures, empowering your customers to create culinary masterpieces and enhance their garden with natural fragrances.

 Plant one seedling plug per 4-inch container or three per 6-inch or larger container. Use well-drained soil with a pH of 5.8-6.2, EC of .6, temperatures of 65-70 daytime and 55-60 nighttime, and light feed (150-200 ppm N) with a supplement of Iron to improve foliage color. Pinch once, 5-10 days after transplant. We don't recommend using PGRs with herbs and vegetables.

 Aphids, mealybugs, spider mites, whiteflies, thrips, fusarium wilt, and pythium rot

Herb Families

- Basil
- Cilantro
- Lavender
- Lemon Balm
- Oregano


4" crop time	6-8 weeks
Light	Full sun, Partial Shade
Night temp	55°
Water usage	Varied



Herbs

Grass

Grasses encompass a diverse group of plants that are valued for their resilience, adaptability, and low-maintenance requirements. With their lush green appearance, graceful swaying, and ability to thrive in various environments, these grasses bring natural beauty and tranquility to landscapes, making them an excellent choice for creating inviting and sustainable outdoor spaces.

 Plant one seedling plug per 4-inch or 1 gallon. Use well-drained soil with a pH of 5.5-6.2, EC of .6, and feed (175-225 ppm N). Use a nitrate-based fertilizer with low phosphorus; avoid using excessive ammonia, nitrogen-based fertilizer and overfeeding, as these will result in less upright plants.

 Aphids, Root Rot

4" crop time	9-10 weeks
Gallon crop time	12-14 weeks
Light	Full sun
Night temp	65°
Water usage	Light, Moderate



Lemon Grass

ColorGrass Series

**See also Purple Fountain Grass, page 59.*



Amazon Mist



Blue Dart




Festuca Festina



Live Wire

Impatiens

These Impatiens seedlings are annual flowering plants native to East Africa, commonly known as Busy Lizzie or Patience Plant. These seedling plugs are a cultivar of Impatiens walleriana that PanAmerican developed for high resistance to Plasmopara destructor, which causes Impatiens downy mildew. Bring low-maintenance vibrant color to shady landscape borders, patio containers, window boxes, and hanging baskets from spring through summer.

 Plant one seedling plug per 1801 cell or 4-inch container or three to five per 10-inch container. Use well-drained soil with a pH of 6.2-6.5, EC of .4, and light feed (<100 ppm N). Provide temperatures of 70-75 daytime and 62-68 nighttime. This plant is day neutral, and responds to daminozide, paclobutrazol, and uniconazole if needed.

 Aphids, spider mites, slugs, snails, and downy mildew

4" crop time	4-5 weeks
Light	Full sun, Partial Shade
Night temp	60°
Water usage	Moderate

Beacon Series



Bright Red



Coral



Orange



Red White Mix



Violet



White



Rose



Salmon





Formula Mix

Seedling Annuals

Lobularia

Alyssum Clear Crystals, also known as *Lobularia maritima* or **Sweet Alyssum**, is an annual flowering plant native to the Mediterranean. Ballseed developed this Alyssum cultivar for exceptional vigor and large fragrant blooms. This plant offers a mounded dwarf habit of 6-10" tall and 12-14" wide, with a mix of light purple, dark purple, and white flowers in spring and fall. Flourishing in full sun with moderate water, Alyssum Clear Crystals attract bees, butterflies, and hummingbirds to the landscape with aromatic flowers and bright colors. Grow Lobularia in containers, hanging baskets, combinations, and landscape borders.

 Plant one rooted plug per 1801 cell or 4-inch container and three per 10-inch container. Use well-drained soil with a pH of 5.8-6.2, EC of .7, temperatures of 60-75 daytime and 55-60 nighttime, and medium feed (175-225 ppm N). Use a nitrate-based, low-phosphorus alternated with a balanced ammonium and nitrate-based feed. Pinching is optional, and PGRs aren't needed.

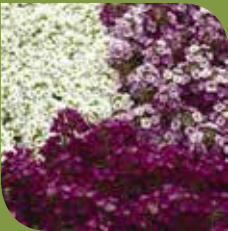
 Aphids, thrips, and downy mildew

Clear Crystals Series

4" crop time	6-8 weeks
10 " crop time	9-10 weeks
Light	Full Sun
Night temp	55°
Water usage	Moderate
Bloom Period	Fall, Spring, Summer



Lavender Shades



Mix




Purple Shades




White

Marigold

Marigold is an annual flowering plant native to Mexico and Guatemala. This plant offers dark green foliage with an upright habit, blooming from spring through late summer. It is heat- and drought-tolerant and flourishes in full sun with average soil and water, attracting beneficial insects to the garden. This plant repels pests from vegetable and herb gardens, offering edible flowers for garnish with a floral aroma and flavor. Bring color to a border, landscape bed, mass planting, patio container, or window box with this classic French Marigold.

 Plant one seedling plug per 1801 cell. Use well-drained soil with a pH of 6.2-6.5, EC of .6, and light feed (100-175 ppm N). Use a nitrate-based fertilizer with low phosphorus at a rate of 75-100 ppm N for constant feed programs. Begin feeding one week after transplanting. Provide temperatures at 65-68 daytime and 60-62 nighttime with short days.

 Aphids, spider mites, whiteflies, root rot, powdery mildew, and botrytis

Durango Series



Bee



Bolero



Flame



Gold



Mix



Orange



Outback Mix



Red



Tangerine



Yellow

Cell pack time	3-4 weeks
Light	Full sun
Night temp	60°
Water usage	Moderate

Bonanza Series



Bee



Bolero



Deep Orange



Gold



Mix




Yellow

Pansy



Pansies, scientifically known as *Viola x wittrockiana*, are originally from Europe. These annual flowering plants have a compact and bushy growth habit, blooming from spring to fall. They thrive in both full sun and full shade, making them versatile for various settings such as rock walls, borders, containers, and mass plantings. The Colossus series has been specifically developed for high-density production, reducing the need for growth regulators. It is particularly well-suited for **late summer and early fall markets**. With its tight, non-stretching habit, Colossus maintains its compact form even under hot and humid conditions. The large blooms withstand heat stress and require less stretching. Colossus offers several benefits, including faster turnaround times, reduced production costs, improved shipping efficiencies, and an extended shelf-life. It's a cultivar that truly has it all.

 Plant one seedling per 1801 cell or 4-inch container or 5-6 per 10-inch basket. Use well-drained rich soil with a pH of 5.5-5.8, an EC of .5, and light feed (75-125 ppm N).

 Aphids, thrips, fungus, mold, and root rot

4" crop time	5-7 weeks
10 " crop time	6-8 weeks
Light	Full Sun, Partial Shade
Night temp	55°
Water usage	Moderate
Bloom Period	Spring, Summer, Fall



Blotched Mix



Deep Blue with Blotch



Fire



Lavender Medley



Lemon Shades



Mix



Neon Violet



Ocean



Purple with Blotch



Red with Blotch



Rose Medley



Rose with Blotch



Tricolor



White



White with Blotch



White w/ Purple Wing



Yellow




Yellow with Blotch

Seedling Annuals

Petunia

Petunias are low-maintenance spreading annuals, that are fast-growing, free-flowering, heat-tolerant, and attractive to bees. This plant is hardy to 40 degrees, offering prolific bold flowers from spring through summer, hugging the ground as it spreads to show off its color!

 Plant one seedling plug per gallon container or three to four seedling plugs per 10-inch basket. Use well-drained soil with a pH of 5.5-6.2, EC of .8, and moderate feed (225-300 ppm N). This plant requires 12 hours of daylight to bloom.

 Aphids, thrips, fungus gnats, shore flies, botrytis, rhizoctonia, and pythium

4" crop time	6-8 weeks
10 " crop time	8-10 weeks
Light	Full Sun
Night temp	65°
Water usage	Moderate
Bloom Period	Fall, Summer



Celebrity



Blue



Blue Ice



Ice Mix



Mix



Red



Rose Star

Damask



Blue



Mix



Purple



Red



Salmon



White

Easy Wave



Blue



Plum Vein



Red



Violet



White



Yellow

Wave



Carmine Velour



Lavender



Misty Lilac



Pink



Purple



Shock Wave Pink Vein

Penstemon

Penstemon is a perennial flowering plant native to the United States. It's a low-maintenance perennial for a **cutting garden** or **landscape border**. This plant **resists deer, attracts pollinators, and tolerates drought**. Trumpet-shaped flowers bloom in summer on upright, compact foliage.



Plant one rooted plug per 6-inch container or three per 10-inch container. Start small containers in December and large ones in August/September. Use a well-drained soil with a pH of 5.5-7.0, average daytime temperatures of 70 degrees and nighttime temperatures of 50 degrees, and light feed (75-125 ppm N).



Not prone to pests. Leaf spot and mildew can develop in shade



Husker Red Superior



Mystica PQS



Partybells Red



Partybells Violet

6" crop time	16 weeks
Hardy zone	5-9
Light	Full sun
Night temp	50°
Water usage	Light

Snapdragon

Snapdragon, also known as *Antirrhinum majus*, is an annual flowering plant native to China. They are well-suited to hanging baskets, combination containers, and landscape borders. In cool regions, flowers bloom from spring through fall. Hot weather can stop blooming during summer, but Snapdragons are excellent for spring or fall sales. Add a burst of color to the garden or patio, attracting bees and hummingbirds.

Plant one seedling per 4-inch container or three per 10-inch basket. Use well-drained soil with a pH of 5.5-5.8, an EC of 0.6, temperatures of 60-65 daytime and 50-60 nighttime, and light feed with a Cal/Mag composition of 15-5-15 (150-200 ppm N). Long days aren't required, but daylight extension to 10.5-14 hours will improve flowering.

Aphids, spider mites, mildew, root rot, rust, and impatiens necrotic spot virus

4" crop time	5-6 weeks
10" crop time	8-10 weeks
Light	Full Sun
Night temp	50°
Water usage	Light
Bloom Period	Spring, Fall

Also available: Snaptini Series

Candy Showers



Mix



Orange



Rose



White



Yellow

Candy Top



Orange



Red



Rose



White



Yellow

Sonnet



Crimson



Pink



White



Crimson



Pink



Purple

Speedy Sonnet

Seedling Annuals

Sprenger Fern

Native to southern Africa, **Asparagus densiflorus** 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.



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



Vinca

Also known as Catharanthus roseus, Vinca are flowering annuals native to Madagascar. This plant offers an upright, mounded habit of 14-16" tall and 18-20" wide, with pink flowers from late spring through summer. Resistant to the worst phytophthora strains, this annual Vinca brings bright color to the landscape, flourishing in full sun.



Plant one seedling per 1801 cell or 4-inch container. Use well-drained soil with a pH of 5.5-6.2, EC .6, temperatures of 60-70 daytime and 50-60 nighttime, light levels of 4,000-5,000 fc, and medium feed (150-200 ppm N). No pinching required. We don't recommend using PGRs on vegetables.



Aphids, whiteflies, spider mites, thrips, tomato fruitworms, cutworms, and leafminers

4" crop time	5-9 weeks
Light	Full sun
Night temp	65°
Water usage	Light
Bloom Period	Spring, Summer

Cora Xdr Series



Cranberry



Hotgenta



Light Pink



Magenta Halo



Orchid



White

Pacifica Xp Series



Bold Mix



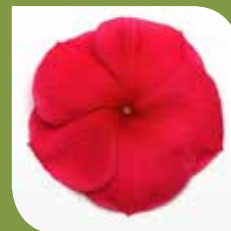
Pacifica Xp Mix



Apricot



Cherry Red Halo



Dark Red



Punch

Vitalia Series



Blush



Burgundy



Cherry



Icy Pink




Pink



Sweetheart Mix

Viola

Violas are closely related to pansies and are native to North America. This annual flowering plant offers a compact, spreading habit of 4-9" tall and wide, with 1.5" frilly mauve-edged cream flowers from early spring to fall. This cultivar flourishes in full or partial sun, bringing extravagant flowers to containers, borders, hanging baskets, and mass plantings. Grow in the fall over winter for early spring sales or in the spring for fall sales; overwintered crops tend to be most successful.

 Plant one rooted plug per 1801 cell or 4-inch container. Use well-drained soil with a pH of 5.5-6.0, EC of .6, temperatures of 62-68 daytime and 50-55 nighttime, and moderate feed (150-200 ppm N).

 Aphids, whiteflies, Thielaviopsis, and Anthracnose (leaf spot)

4" crop time	4-6 weeks
Light	Full sun, Partial Shade
Night temp	50°
Water usage	Light
Bloom Period	Spring, Summer, Fall

Colormax Series



Citrus Mix



Icy Blue



Lemonberry Pie Mix



Mix




Rose Blotch




Royal Mix

Zinnia

Embrace a garden bursting with vibrant colors and cheerful blooms with our diverse collection of Zinnia varieties. These beloved annual flowers are renowned for their ability to create a kaleidoscope of hues, adding a sense of joy and playfulness to any landscape. Zinnias captivate with their abundant and showy flowers, each petal a brushstroke of nature's palette. Our selection encompasses a wide range of colors, from soft pastels to bold and electric tones.

 Plant one seedling per 1801-cell or 4-inch container. Use well-drained soil with a pH of 5.8-6.2, EC of .7, and moderate feed (200-250 ppm N) weekly with an additional .25 ppm Boron. Provide temperatures between 60-75 to prevent disease and maintain a compact habit. Zinnia doesn't typically require PGRs or pinching.

 Aphids, thrips, botrytis, and stem rot

4" crop time	6-7 weeks
Light	Full Sun
Night temp	60°
Water usage	Moderate
Bloom Period	Summer, Fall



Profusion Apricot



Profusion Cherry



Profusion Cherry Bicolor



Profusion Deep Apricot



Profusion Lemon



Profusion Orange



Profusion Red



Profusion White



Profusion Yellow



Star Bright Mix



Star Gold



Star Orange



Star White

Seedling Vegetables

Cabbage

With both heirloom and hybrid varieties of **cabbage** available, you're sure to boost fall sales with these edible plants. These seedlings are cool-season vegetable plants that develop compact, leafy heads. With vibrant green foliage and a sturdy growth habit, these seedlings are ideal for gardens or containers.



Plant one seedling plug per 1801 cell or 4-inch container. Use well-drained soil with a pH of 6.0 and 6.8, an EC level of .6, and temperatures of 50°F and 60°F. Use a balanced fertilizer with an NPK ratio of 10-10-10 and add calcium nitrate to ensure healthy head development, applying fertilizer at a rate of 200-250 ppm N using a constant liquid feed program



Aphids, whiteflies, and caterpillars; clubroot, black rot, and downy mildew

Cabbage Varieties

- All Seasons
- Brunswick
- Charmant
- Early Flat Dutch
- Golden Acre
- Red Acre

4" crop time	6 weeks
Light	Full sun, partial shade
Night temp	45°
Water usage	Moderate



Cabbage

Cauliflower

Cauliflower is a cool-season annual vegetable known for its pure white head with round and compact florets arranged in an orderly fashion, offering a visually appealing and sophisticated touch to vegetable gardens, landscape beds, or patio containers.



Plant one seedling plug per 4-inch container or 1801 cell. Use well-drained soil with a pH of 6.5-6.8, light feed (75-125 ppm), and temperatures between 60-70 degrees.



Aphids, bugs, cabbage worms; downy mildew, and leaf spot.

Cauliflower Varieties

- Snow Crown
- Snowball Y Improved

4" crop time	4-5 weeks
Light	Full sun, partial shade
Night temp	50°
Water usage	Light



Cauliflower

Kale

Kale is a versatile cool-season leafy green that adds a vibrant and textured element to gardens, landscape beds, or patio containers. Its curly or flat leaves come in various colors, providing both visual interest and a nutritious addition to gardens, containers, and culinary dishes.



Plant one seedling plug per 1801 cell or 4-inch container. Use a well-draining soil with a pH of 6.0-7.0, EC of .6, medium feed (150-200 ppm N), and temperatures of 60-70°F.



Aphids, caterpillars, and whiteflies; clubroot, downy mildew, alternaria leaf spot, bacterial soft rot, and cercospora leaf spot

Kale Varieties

- Prizm
- Scarlet
- Toscano (Dinosaur)
- Winterbor

4" crop time	4-5 weeks
Light	Full sun, partial shade
Night temp	50°
Water usage	Moderate



Kale

Lettuce

Lettuce is an annual cool-season vegetable well-suited for spring and fall harvests, but also a year-round product when greenhouse grown. Lettuce is easy to grow, making it a low-maintenance addition to a container or vegetable garden, flourishing in full or partial sun with daily water.



Plant one seedling per 1801 cell or 4-inch container. Use a well-drained soil with a pH of 6.0-6.5, low feed (50-75 ppm N), and temperatures of 50-75 daytime and 40-55 nighttime.



Aphids, whiteflies, slugs, and snails.

Lettuce Varieties

- Buttercrunch (Butterhead)
- Great Lakes (Crisphead)
- Parris Island (Cos)
- Red Sails (Looseleaf)
- Salad Bowl
- Simpson Elite (Looseleaf)


4" crop time	4-5 weeks
Light	Full sun, partial shade
Night temp	50°
Water usage	Moderate



Lettuce

Onion

Onion is a versatile and flavorful bulbous vegetable, commonly grown as a cool-season annual. With its layers of crisp and pungent edible bulbs, onions bring culinary delight to vegetable gardens, landscape beds, or container gardens, enhancing both taste and aesthetics.

 Plant one rooted plug per 4-inch container or 1801 cell. Use well-drained soil with a pH of 6.0-7.0, average daily temperatures of 60-85 degrees, and light feed (50-75 ppm N).

 Thrips and onion maggots; botrytis, fusarium rot, and downy mildew

Onion Varieties

- Candy F1
- Yellow Granex


4" crop time	4-5 weeks
Light	Full sun
Night temp	55°
Water usage	Moderate



Onions

Pepper

Peppers are vibrant and versatile annual vegetables that thrive in warm-season gardens. With their colorful and crisp fruits, ranging from sweet to spicy, peppers add a flavorful punch to dishes, while also bringing visual interest and vibrancy to vegetable gardens, landscape beds, or patio containers.

 Plant one seedling per 4-inch container. Use a well-drained soil with a pH of 6.5-7.0, temperatures of 70-90 daytime and 60-70 nighttime, and low feed (75 ppm N).

 Aphids, flea beetles, and cutworms; bacterial spot

Pepper Varieties

- California Wonder
- Cayenne Large Red
- Cubanelle
- Hungarian Sweet
- Jalapeno Early


4" crop time	4-5 weeks
Light	Full sun
Night temp	60°
Water usage	Moderate




Peppers

Squash

Squash is a bountiful and versatile warm-season vegetable, known for its wide variety of shapes, colors, and flavors. From the compact and flavorful zucchini to the robust and decorative winter squash, these plants offer a delightful addition to vegetable gardens, landscape beds, or container gardens, enriching both culinary experiences and visual appeal.

 Plant one seedling per 1801 cell or 4-inch container. Use well-drained soil with a pH of 5.5-6.2, EC .6, temperatures of 60-70 daytime and 50-60 nighttime, light levels of 4,000-5,000 fc, and medium feed (150-200 ppm N). No pinching required. We don't recommend using PGRs on vegetables.

 Aphids, whiteflies, spider mites, thrips, tomato fruitworms, cutworms, and leafminers

Squash Varieties

- Dark Green Zucchini
- Early Summer Crookneck
- Zucchini Spineless Beauty


4" crop time	4-5 weeks
Light	Full sun
Night temp	50°
Water usage	Moderate




Squash

Tomato

Tomatoes are prized warm-season annual fruits, the cornerstone of any vegetable garden. Our selection of tomatoes includes some of the most popular and sought-after varieties, both for slicing and snacking.

 Plant one seedling per 1801 cell or 4-inch container. Use well-drained soil with a pH of 5.5-6.2, EC .6, temperatures of 60-70 daytime and 50-60 nighttime, light levels of 4,000-5,000 fc, and medium feed (150-200 ppm N).

 Aphids, whiteflies, spider mites, thrips, tomato fruitworms, cutworms, and leafminers

4" crop time	4-5 weeks
Light	Full sun
Night temp	50°
Water usage	Moderate

Tomato Varieties

- Beefstake
- Better Boy
- Big Boy
- Black Cherry
- Cherokee Purple
- German Johnson
- Pink Charmer
- Red Cherry Large
- Roma
- San Marzano
- Yellow Pear



Tomatoes

Succulents - Assorted

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**.

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

For a complete list of all our succulents, visit ncfarmsinc.com/succulent



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.

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



Echeveria Assortment



Sedum Assortment



Trailing Assortment



Sempervivum Assortment



Crassula Assortment

Our high quality plugs come **ready to transplant** into your final container for immediate sales. All succulent assortments come in 72-cell trays with **four varieties per tray**.

General Assortment



Succulents - Aeonium Kiwi

Aeonium is a succulent native to the Canary Islands. This monocarpic plant **tolerates drought** and goes dormant in the summer heat, with the primary growing season in winter. Adds low-maintenance depth and texture to **rock gardens, containers, fairy gardens, or houseplant collections.**

Grow this plant in full sun to partial shade in cool climates, or in partial to full shade in hot climates. Maintain a **pH of 6.1-6.5**, light feed (**100-150 ppm**), and temperatures of **65-75** degrees. Do not overwater.

Mealy bugs, spider mites

4" crop time	4-6 weeks
Hardy zone	10-11
Light	Full sun to full shade
Night temp	65°
Water usage	Light



Succulents - Crassula

Crassula are **perennial succulents** native to South Africa and are easy to grow in dry, sunny conditions. The Crassula family are moderate-to-fast growers and perform best in full sun. They can be used in combination with other plants as a **cascading edge piece**, a standalone hanging basket, or even outdoors in a bed, but they are not frost-resistant.

Use a water-soluble feed every two weeks at **150 ppm N**. Do not allow the plant to stay saturated or you will develop root and stem rot. Maintain a **pH between 5.8-6.2**.

Root rot

4" crop time	6 weeks (1 plant per pot)
Light	Bright
Night temp	60°
Water usage	Light



Capitella Varieties



Campfire



Red Pagoda



Falcata



Lycopodioides



Mesembryanthemoides



Perforata Major



Perforata Variegata



Springtime

Ovata Varieties



Hobbitt



Jade



Minor



Sunshine



Variegata

Succulents - Delosperma

Also known as *Hardy Ice Plant*, **Delosperma Cooperi** is an evergreen hardy succulent native to South Africa. Bred to be non-invasive, these varieties have a dense mat-forming habit of 3-6" tall spreading to 24" or wider. Two-inch flowers bloom from June to September. Delosperma is heat, drought, and salt-tolerant, and hardy in zones 6-10.

Use well-draining soil in full sun with light feed (**100-150 ppm**) and a **pH of 6.6-7.8**. Do not overwater.

Aphids, mealybugs

4" crop time	4-5 weeks
Hardy zone	6-10
Light	Full sun
Night temp	40°
Water usage	Light
Bloom period	Spring, Summer, Fall

Jewel of Desert Series



Grenade



Opal



Peridot



Rosequartz



Ruby



Topaz

Succulents - Echeveria

The Echeveria family of succulents is a slow-growing, compact plant with thick leaves that open like a rosebud. Native to Texas and Central America, these plants are desert lovers and drought tolerant. Their small size (usually under 12 inches) make Echeveria a great choice for fairy gardens as well.

Grow dry in a well-draining soil, with a water-soluble feed of **150 ppm N** once every two weeks. Maintain a **pH between 5.8 - 6.2**.

Root rot

4" crop time	6 weeks (1 plant per pot)
Light	Bright
Night temp	60°
Water usage	Light



Blue Bird



Diffractens



Giant Blue



Elegans



Lilacina



Nodulosa



Perle Von Nurnberg



Pringlei



Pink Edge



Purple Pearl



Rosea



Setosa Arrow



Shaviana



Topsy Turvy

Succulents - Eupatorium

Eupatorium (also known as *Eutrochium*, *Eupatorium Dubium*, or *Dwarf Joe Pye Weed*) is an herbaceous perennial native to North America. This plant has a **compact upright** habit that blooms from midsummer to early fall and **attracts bees, hummingbirds, and butterflies** while remaining **deer and rabbit resistant**. Works well in a **cut flower garden, landscape border or bed, or butterfly garden**.

Use well-drained soil in full sun. Maintain a **pH of 6.1-6.5**, and low feed (**100 ppm**).

Not prone to pests or disease

Gallon crop time	20 weeks
Hardy zone	4-8
Light	Full sun
Night temp	55°
Water usage	Light
Bloom period	Summer, Fall



Baby Joe



Chocolate

Succulents - Euphorbia

Euphorbia (also known as *Spurge*, *Baby's Breath* *Euphorbia*, or *Hypericifolia*) is a flowering annual native to the Americas. It's **tolerant to heat, drought, deer, and rabbits** and excels as a **groundcover** or in **borders, containers, hanging baskets, or mixed landscapes**.

For best results, use well-drained soil in full sun. Maintain a **pH of 5.8-6.2**, an **EC of .6** temperatures between **62-74**, and medium feed (**150-200 ppm**).

Whiteflies

4" crop time	6-7 weeks
10" crop time	11-13 weeks
Light	Full sun to full shade
Night temp	62°
Water usage	Light
Bloom period	Summer, Fall



Ascot Rainbow



Diwali Shower



First Blush



Hip Hop



White Manus

Succulents - Graptopetalum

Graptopetalum, also known as *Ghost Plant* or *Mother-Of-Pearl*, is an evergreen perennial succulent commonly grown as a houseplant, and it's one of the least challenging varieties to grow. Foliage varies from blue-green and silver to blue-green and pink.

Use a well-drained mix of peat, sand, and perlite with a **pH of 5.6-6.2**, **EC of .25-.50**, low feed (**75-125 ppm N**).

Aphids, mealybugs, spider mites

4" crop time	7-9 weeks
Hardy zone	9-11
Light	Full sun to partial sun
Night temp	58°
Water usage	Light



Glassii



Macdougallii



Paraguayense



Superbum



Superbum
Pentandrum

Succulents - Graptosedum

Graptosedum is a hybrid cross of *Graptoveria* and *Sedum*. Commonly grown indoors in sunny windows, Graptosedum flourishes in **mixed succulent containers** or in **rock gardens** in warm climates. Rosettes change color in cooler temperatures.

Use a well-drained mix of peat, sand, and perlite with a **pH of 5.5-6.2**, **EC of .25-.50**, low feed (**75-125 ppm N**).

Aphids, mealybugs, spider mites

4" crop time	7-9 weeks
Hardy zone	10
Light	Full sun
Night temp	58°
Water usage	Light
Bloom period	Spring



Darley Sunshine



Vera Higgins

Succulents - Graptoveria

Graptoveria is a hybrid cross of *Graptopetalum* and *Echeveria*. Commonly grown indoors in sunny windows, Graptoveria flourishes in **mixed succulent containers** or as a **groundcover** in warm climates. It also excels in sunny windowsills year-round, is nearly impossible to kill, and simple to propagate.

Use a well-drained mix of peat, sand, and perlite with a **pH of 5.5-6.0**, **EC of .40-.60**, low feed (**100-150 ppm N**).

Mealybugs

4" crop time	10-14 weeks
10" crop time	16-20 weeks
Hardy zone	9
Light	Full sun
Night temp	58°
Water usage	Light



Fred Ives



Hybrid Debbie

Succulents - Kalanchoe

Kalanchoe is an evergreen succulent native to southern Madagascar. This summer-dormant species is low maintenance and excels as a houseplant or as an ornamental addition to a xeriscape or outdoor container in zones 9-11.

Use a well-drained mix of peat, sand, and perlite with a **pH of 5.6-6.2**, **EC of .50-.75**, low feed (**100-150 ppm N**).

Aphids, mealybugs, spider mites

4" crop time	6-8 weeks
10" crop time	10-12 weeks
Light	Bright indirect/Full sun
Night temp	60°
Water usage	Moderate



Beharensis Fang



Beharensis Minima



Longiflora Coccinea



Marmorata



Millotii



Orgyalis



Thrysiflora



Tomentosa
Chocolate Soldier

Succulents - Lampranthus

Lampranthus Deltoides, also known as *Ice Plant* or *Oscularia Deltoides*, is a semi-evergreen succulent native to South Africa. Its **spreading habit** is **heat and drought tolerant**, **attracts butterflies**, **resists deer**, and creates a **cascading effect**.

Use well-draining soil in full or partial sun with light feed (**100-150 ppm**) and a **pH of 6.6-7.8**. Do not overwater.

Aphids, mealybugs

4" crop time	5-6 weeks
Hardy zone	9-11
Light	Full/partial sun
Night temp	58°
Water usage	Light
Bloom period	Spring



Deltoides

Succulents - Sedum

Sedum (also known as *Stonecrop*) is a sub-genus in the *Carssulaceae* succulent family. They do well as trailing plants and ground covers. In recent years Sedum have been used in roof coverings known as green roofs where they are preferred over grass because of their longevity as a plant and vigorous growing habit.

Grow dry in a well-draining soil, with a water-soluble feed of **150 ppm N** once every two weeks. Maintain a **pH between 5.8 - 6.2**.

Root rot

4" crop time	6 weeks (1 plant per pot)
Light	Bright
Night temp	60°
Water usage	Light



Carnicolor



Cauticola Lidakense



Dragons Blood



Fine Leaf Gold



Kamtschaticum Var.



Lineare Sea Urchin



Reflexum Blue Spruce



Rupestre Angelina



Rupestre Lemon Ball



Sieboldii Mediov.



Spectabile Autumn
Fire



Spurium Fuldaglut




Spurium John Creech




Spurium Tricolor

Succulents - Sempervivum

Sempervivum (also known as Hens and Chicks) are one of the most common types of succulents. The mother (hen) plant grows an underground stem that produces a new (chick) plant. Chicks can be as small as one inch across, while mothers are much larger at 8-12" across. Sempervivum make great container plants, and they can be used in dish gardens and fairy gardens.

 Grow on the dry side in a very well-drained soil. Use a water soluble feed every two weeks at **150 ppm N**. Do not allow the plant to stay saturated or you will develop root and stem rot. Maintain a **pH between 5.8-6.2**

 Aphids, mealybugs, root rot, and stem rot

4" crop time	6-8 weeks
Light	Partial sun
Night temp	58°
Water usage	Light
Bloom period	Summer



SuperSemp Collection



Arachnoideum



Colorockz Arctic White



Colorockz Coral Red



Colorockz Ruby Lime



Carmen



Kalinda



Lavender Old Lace



Red Beauty



Silverine



SuperSemp Onyx




SuperSemp Emerald



SuperSemp Ruby

Succulents - Senecio

These **Senecio** varieties are native to South America, South Africa, and Madagascar. They are frost-tender but evergreen succulent shrubs and that make a superb **houseplant** or ornamental addition to outdoor **containers** or frost-free **xeriscapes**. These plants flourish in partial sun or bright indirect light with well-draining soil and **low water**.

 Use a well-drained mix of peat, sand, and perlite with a **pH of 5.7-6.2**, **EC .4**, low feed (**75-125 ppm N**).

 Aphids, mealybugs, and spider mites

4" crop time	6-8 weeks
10" crop time	12-16 weeks
Light	Partial sun
Night temp	58°
Water usage	Light, Moderate
Bloom period	Summer



Angel Wings



Crassillimus



Mandraliscae Blue



Mikanioides



Mini Blue



Serpens



String Of Bananas




String Of Dolphins




String of Pearls

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**, Thunbergia thrive in **hanging baskets, trellises**, and cascading color in **combination planters**. They bloom in the late summer and early fall as the days shorten. Add these to your summer program to produce early fall sales.

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

 Whiteflies, spider mites, and thrips

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

Non-Patented



Orange



Pink



Yellow

Alata Sunny Susy



Amber Stripes



Apricot



Brownie Red



Cherry



New Orange




Pink Beauty

Tolmiea

Piggyback Plant is native to the northwestern part of North America, including Canada and Alaska. They 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.

**Not available as Unrooted Cuttings.*

 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
Hardy zone	7
Light	Shade
Night temp	50°
Water usage	Moderate



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

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

**All Torenia varieties are patented.*



Moon Blue



Moon Indigo



Moon Magenta



Moon Purple



Moon White



Moon Yellow

Verbena

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**.



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

Available in an assorted tray

Non-Patented Varieties

Carolina Series



Perfect Pink



Watermelon

Trailing Series



Homestead Purple



Homestead Red



White

Patented Varieties

Vanessa Series



Bicolor Indigo



Bicolor Pink



Bicolor Pink



Lime



Purple



Red

Vanessa Compact Series



Bicolor Rose



Deep Pink



Lime



Neon Pink



Optik Lavender



Pink

Veronica

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



Georgia Blue



Ronica Blue



Ronica Fuchsia



Snow Candles

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**. This tough little **evergreen** is perfect for **bedding containers** or **combination planters**.

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



Evelyn



Illumination



Maculata



Ralph Shugert



Variegated



Wojo's Gem

Wandering Jew

Native to the Tropical Rain Forest, *Tradescantia* is an **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**.

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.

Non-patented.
*Not available as URC



Baby Bunny Bellies



Lavender



Bolivian



Bridal Veil



Burgundy



Green



Green Silver



Green Yellow



Purple



Purple Fuzzy*



Rainbow*



Red



Tricolor*



White Fuzzy*

We Grow Your Business: Even When Everything's Changing

“The only thing that’s constant is change itself.”

When I heard my dad say this last week, I silently wondered if he was paraphrasing the Greek philosopher Heraclitus. It turns out he was just quoting his uncle Yurd.

Greenhouse owners have to deal with an incredible amount of change. Every year we have new cultivars to consider; old varieties are out; market desires change; and the digital world is taking over.

North Carolina Farms has seen a lot of change over the last 10 years, too. In the midst of it all, we have tried to use our core values as our guide when change is necessary. Two ideas specifically have shaped our thought process through these years:

- **Prioritize People**
- **Take Advantage of Technology**

When we analyze a change, the first consideration is how it will affect our employees and customers. **Does this change make it easier for employees to do their jobs, or for customers to find, order, and use our product?** If the answer isn’t yes to those questions, it’s probably a bad idea.

As the world becomes increasingly digital, we continually assess our website, POS system, inventory management solutions and more. To assess these new tools, we ask the same question: **does it benefit employees or customers and provide a return on investment?** If so, it's likely a safe choice.

While we won’t always make the right choices, we are committed to serving our customers and employees. **In this changing world, you can rest assured that at North Carolina Farms, we’re working to grow your business.**

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



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