

# North Carolina Farms

2019-2020 | Starter Plant Catalog

Keeping It Fresh:  
NEW Varieties for 2020

*Meet the Initiates, page 4*

Add a Little COLOR!

*Take a break: use your creativity  
to fill in the white space.*

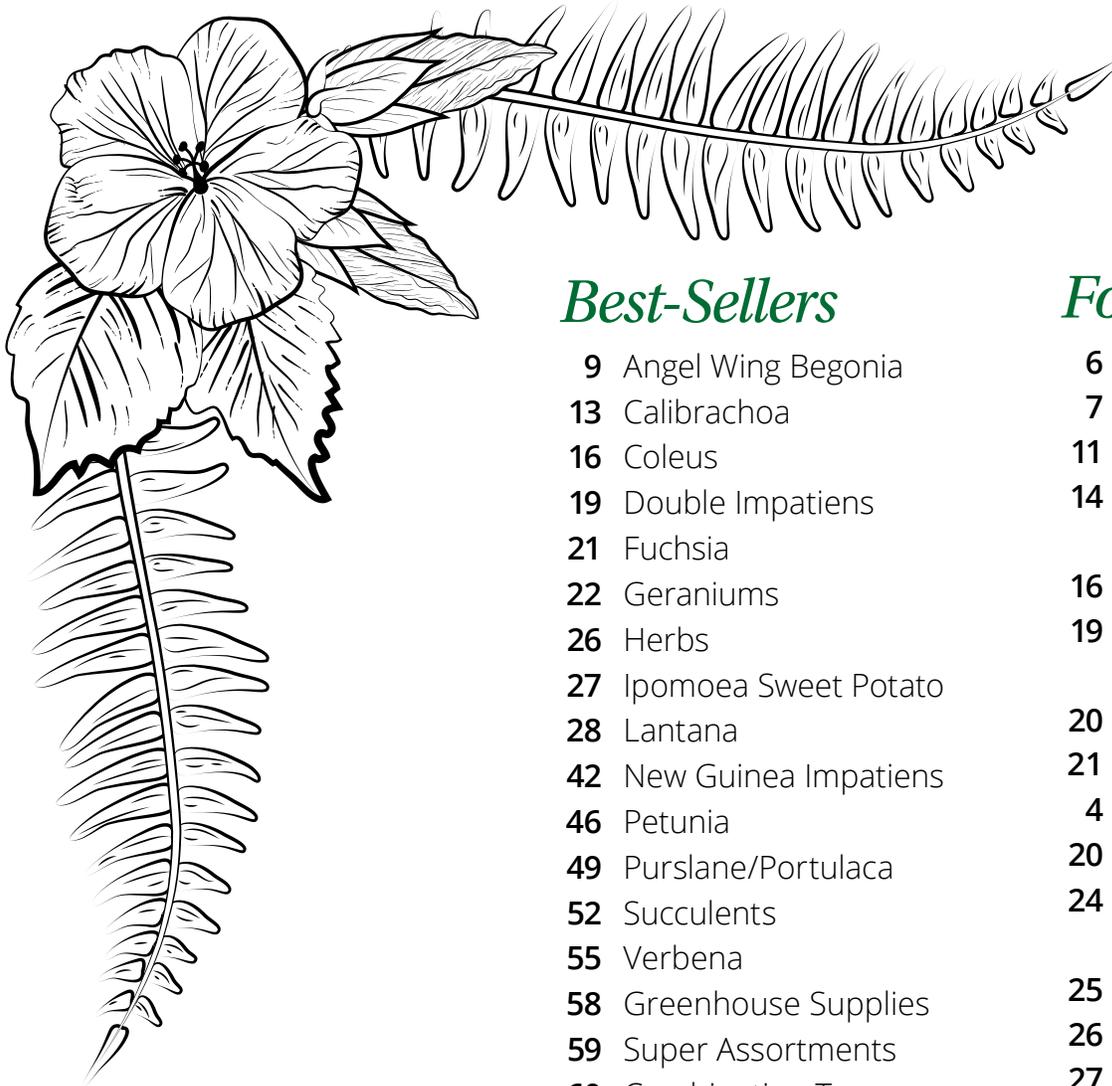
**Vibrant Hues**

*Imagination Series  
page 47*



Creative Combos

*Photos and Planting Guides, page 60*



## Best-Sellers

- 9 Angel Wing Begonia
- 13 Calibrachoa
- 16 Coleus
- 19 Double Impatiens
- 21 Fuchsia
- 22 Geraniums
- 26 Herbs
- 27 Ipomoea Sweet Potato
- 28 Lantana
- 42 New Guinea Impatiens
- 46 Petunia
- 49 Purslane/Portulaca
- 52 Succulents
- 55 Verbena
- 58 Greenhouse Supplies
- 59 Super Assortments
- 60 Combination Trays

## Foliage

- 6 Ajuga
- 7 Alternanthera Joseph's Coat
- 11 Basket Grass
- 14 Chlorophytum Spider Plant  
Cissus
- 16 Coleus
- 19 Dorotheanthus  
Dracaena
- 20 Duranta
- 21 Fern  
4 Ficus Pumila
- 20 Fittonia
- 24 Gynura  
Helichrysum Licorice
- 25 Hedera Helix Ivy
- 26 Herbs
- 27 Ipomoea Sweet Potato  
Iresine Chicken Gizzard
- 30 Lamium
- 37 Lysimachia  
4 Moss  
Oxalis
- 44 Pellionia  
Perilla  
Peperomia
- 48 Pilea  
Plectranthus Swedish Ivy
- 49 Purple Fountain Grass
- 50 Senecio  
Setcreasea  
Sansevieria Snake Plant
- 51 Sprengeri Fern  
Strobilanthes  
Tolmiea
- 56 Vinca Vine  
Wandering Jew

## Rare and Unusual Plants

- 6 Acalypha Chenille Firetail  
Alsobia
- 8 Double Begonia
- 10 Rex Begonia  
Morocco Rhizomatous  
Begonia
- 14 Candy Corn  
Chinese Lantern
- 20 Episcia
- 24 Goldfish
- 27 Iresine Chicken Gizzard  
Jacobinia
- 30 Lipstick
- 4 Moss
- 50 Shrimp Plant
- 54 Tillandsia



## Features

- 4 New for 2020
- 31 Pricing
- 38 Mum Calculator
- 57 Plant Harmony
- 62 FAQ
- 63 "People Before Profits"

# TENTS

NEW 47



52



## Spring Bloomers

- 6 Acalypha Chenille Firetail
- 7 Angelonia
- 8 Argyranthemum
- Bacopa
- Double Begonia
- 11 Bidens
- Bougainvillea
- 13 Calibrachoa
- 14 Candy Corn
- Carnation
- Chinese Lantern
- 15 Cleome
- 18 Coreopsis
- Cuphea Mexican Heather
- Diascia
- 19 Double Impatiens
- 20 Evolvulus
- 21 Fuchsia
- 22 Geraniums
- 25 Heliotrope
- Hibiscus
- 27 Jacobinia
- 28 Lantana
- 30 Lobelia
- 37 Lobularia
- Lotus Vine
- 40 Nemesia
- 41 SunPatiens
- 42 New Guinea Impatiens
- 44 Osteospermum
- 46 Petunia
- 45 Petunia SuperCal
- 49 Purslane/Portulaca
- 50 Scaevola
- Shrimp Plant
- 51 Streptocarpella
- 54 Thunbergia
- Torenia
- 55 Verbena

## Summer Sales

- 11 Bougainvillea
- 14 Chlorophytum Spider Plant
- 25 Hibiscus
- 28 Lantana
- 44 Pellionia
- Peperomia
- 48 Pilea
- Plectranthus Swedish Ivy
- 49 Purslane/Portulaca
- Purple Fountain Grass
- 50 Scaevola
- 51 Sprengeri Fern
- 52 Succulents
- 56 Wandering Jew



54 NEW



## Fall Sales

- 15 Belgian Garden Mums
- 38 Christmas Cactus
- 25 Hedera Helix Ivy
- 52 Succulents
- 40 Yoder Pot Mums

# NEW FOR

## Ficus Pumila

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

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

 Spider mites



Creeping Fig



Quercifolia

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

## Moss

**Selaginella kraussiana** is a lesser clubmoss native to tropical Africa. This plant is a **low-growing groundcover** that's **hardy through zone 7.** It can be grown as a houseplant and is one of the **best-selling terrarium plants** on the market.

 Maintain a **high humidity** above 50%. Do not allow to dry out between waterings. Fertilize sparingly, as this plant is easily damaged. Maintain a **pH between 6.1 - 7.8.**

 Slugs or snails

4" crop time	6-8 weeks
Light	Partial Sun or Shade
Night temp	50°
Water usage	Heavy



Golden Spikemoss

## 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.**

 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



Ebony Allure

**Not Pictured:**  
Fire Fern



Oxalis Golden

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

# 2020

### *Non-Patented Calibrachoa* See page 13



Peach



White

### *Non-Patented Petunias* Imagination Series: see page 47



Fledge



Lord Drinian



Polly Pink



Rathmandu

### *Non-Patented Thunbergia* See page 54



Pink



Yellow Eye

### *Patented New Guinea Impatiens* See page 42



Bicolor Red



Fire



Bold Red



Tangerine

# NEW

# FOR

# 2020

## 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*.

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

 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

**Non-patented  
Chenille Firetail**



## 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

### Non-Patented Varieties



Bronze



Chocolate Chip



Mahogany

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

Silver Queen



## 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

# Want even more?

# Connect with us on Social Media

Follow us on these platforms for more growing tips, personal coaching, discount offers, access to availability, and shareable content. We look forward to seeing you online!



ncfarmsinc



@TheNCfarms



@TheNCfarms

## Alternanthera

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

Available in an assorted tray

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

 Whiteflies and possibly aphids

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



Broadleaf Red



Bronze



Burgundy Thread



Green



Red



Red Carpet



Yellow

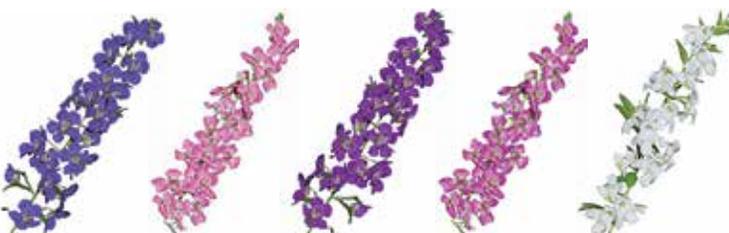


Blue Angelonia and Yellow Alternanthera

## Angelonia

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

### Non-patented varieties



Blue

Pink

Purple

Raspberry

White

### Patented varieties

- Alonia Big Dark Pink
- Alonia Big Snow
- Alonia Big Violet
- Alonia Pink Flirt
- Alonia Snow Ball

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

 Whiteflies, aphids, mites, and thrips

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

Available in an assorted tray

## Argyranthemums

These shrub-like **perennials** are native to the Canary Islands. They maintain an upright habit with daisy-like blooms that attract butterflies and other pollinators all summer long. Blooms bouquet much like a Chrysanthemum and are about the size of a half dollar. 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

*We also offer the following patented varieties:*

- Angelic Baby Pink
- Angelic Burgundy
- Angelic Giant Pink
- Angelic Lemon Pastel
- Beauty Yellow
- Everest
- Mars

### Non-patented varieties



Butterfly Yellow



Dana White

## 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

### Non-patented varieties



Carolina Big Bloom Blue



Carolina Big Bloom White



Trailing White

*We also offer the following patented varieties:*

#### Scopia Series™

- Compact White
- Double Indigo
- Double Lavender
- Double Snowball
- Great Regal Blue
- Great White Improved
- Great Pink**
- Beauty
- Ring
- Gulliver**
- Basket White
- Blue
- Blue Sensation
- Dynamic White
- Pink
- Pink Heart Improved
- Violet
- White

## Double Begonias

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

*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

# Angel Wing Begonias

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

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

 Aphids, mealybugs, and powdery mildew

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

Available in an assorted tray



Foreground: Torch  
Background: Sunbrite Red



Benigo Pink



Brazilian Lady



Fannie Moser



Lana



Lois Burke



Looking Glass



Medora



My Special Angel



Pink Cane



Richmondensis Pink



Richmondensis White



Sophia



Sunbrite Pink



Sunbrite Red



Torch



Torch Pink



Frosty



Lynda Dawn



Miss Mummy



Sinbad Pink



## 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 - Rex

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

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

Aphids and powdery mildew

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

*\*Only available in a mixed tray.*



### Record Sales!

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

## 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



## 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

### Patented varieties



**Pretty in Pink**



**Yellow Charm**

*Not pictured:*

- Yellow Crown
- Yellow Sunshine

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

### Non-Patented



**Compact Yellow**

## Bougainvillea

**Bougainvillea** are full-sun plants native to Mexico. While producing loads of blooms in bright colors, they are **evergreen perennials in zones 9-10** and grow as annuals everywhere else. Bougainvillea are very **drought-resistant**, and your customers may appreciate the fact that they **can be grown in containers** if your outdoor environment isn't suitable year-round.

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

 Aphids

*Also available in an assorted tray  
Non-patented*

4" crop time	6-8 weeks
10" crop time	10-20 weeks
Light	Full sun
Night temp	60°
Water usage	Light-Moderate
Bloom period	Spring, Summer, Fall



**Barbara Karst Red**



**Bengal Orange**



**Imperial Thai Delight**



**Raspberry Ice**



**Royal Purple**



**Juanita Hatten**

## 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.

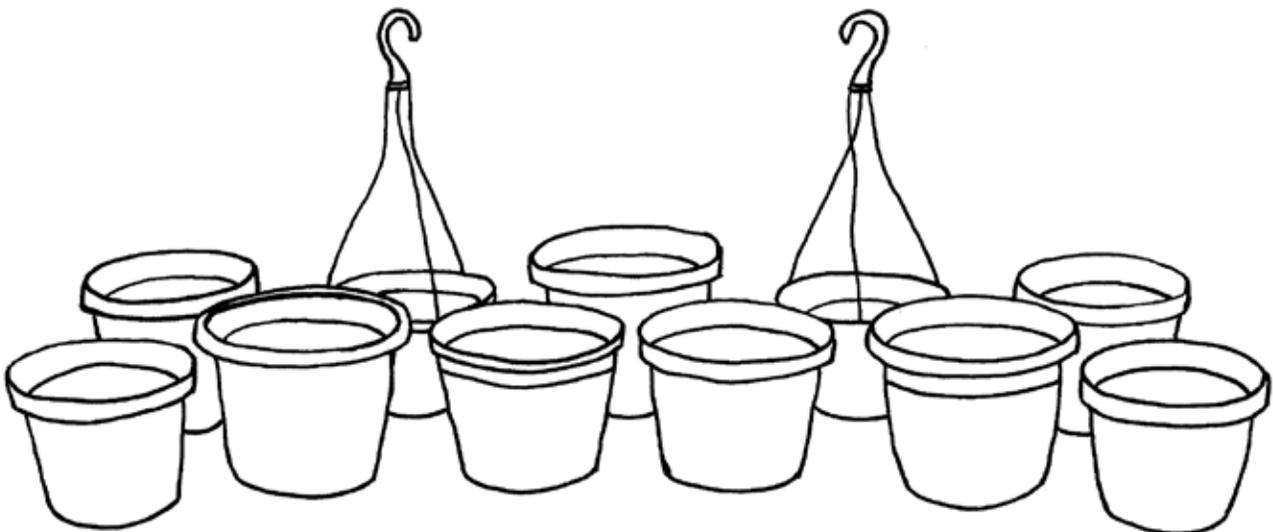


- 105 cell - box of 10
- 105 cell - pallet of 200
- 50 cell - box of 10
- 50 cell - pallet of 200

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

## Need Greenhouse Supplies?

See page 58 for an overview of our supply of hard goods,  
or visit our website for a detailed list with images and pricing:  
[ncfarmsinc.com/supplies](http://ncfarmsinc.com/supplies)



# Calibrachoa

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

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

 Fungus gnats, aphids, and thrips

Available in these assortments: *General, Patriotic, Spring Fever, Tutti Frutti*



## Patented Noa Series:

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



Blue



Bright Pink



Cardinal



Cherry Crush



Coral



Cream



Fuchsia



Hot Pink



Lemonade



Peach



Polar Pink



Purple Cow



Red



Royal Purple



Soft Pink



Soft Yellow



Sugar Plum



Violet



Watermelon



White

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

## Candy Corn

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

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

Whiteflies, spider mites, and mealybugs

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



Candy Corn

## Carnation

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

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

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

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



Carnation

## Chinese Lantern

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

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

Scales and whiteflies

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



Chinese Lantern

## Chlorophytum

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

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

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

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



Spider Reverse



Spider Variegated

## Cissus

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

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

Aphids

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



Tropical Grape



Tropical Oak Leaf

## Christmas Cactus

Native to Brazil, *Schlumbergera bridgesii* have unique blooms that last 7-8 weeks. To bloom them naturally by the holiday season (Thanksgiving to Christmas), **the best time to start is early summer**. Available for delivery May thru July, these Christmas Cacti are a choice product to have on hand if you are open in the winter.

4" crop time	6 months
10" crop time	9 Months From 4" Pot
Light	Partial sun
Night temp	60°
Water usage	Light
Bloom period	Winter (Days with 14+ hours of darkness)

 Unlike other cactus, **do not let Christmas Cactus dry out between waterings**. It does not like heat, but it thrives in a humid atmosphere. Do not place in a spot where the temperature constantly changes (near air vents, heaters, or doors). The ideal time to fertilize is between the months of April and September, before budding begins. Use a one-half strength balanced soluble fertilizer with trace elements. **Stop fertilization during the late summer for greater bud production in the fall.**

 Mealybugs, spider mites and aphids

Have left-over four-inch pots at the end of the season? Transplant unsold plants to larger containers and continue growing them out. Four inch pots make perfect starters for ten- or twelve-inch baskets or floor pots. With a little care, that unsold pot can grow into your best-selling monster basket next season.



Cream



Peach



Pink

Available in an assorted tray



Red



Scarlet



White

### Now Available: Patented Flame Series



Orange Flame



Pink Flame



Red Flame



White Flame

See [ncfarmsinc.com/ChristmasCactus](http://ncfarmsinc.com/ChristmasCactus) for more information.



Our starter cacti come rooted with two plants per cell and at least two pads per plant.

## Cleome

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

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

 Whiteflies and aphids

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



Clio Pink Lady



Clio Magenta

\*All Cleome varieties are patented.

## Coleus

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

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

Aphids, whiteflies, and **downy mildew**

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

**Available in these assortments:**  
All Mixed Up (many varieties, no label)  
Assorted Coleus (3 varieties, labeled)

\*No URC for starred varieties

## Pink



Chaotic Rose



Hot Lava



Maple Motif



Mariposa



Meandering Linda



Tapestry

## Dark



Black Star



Chocolate



Dark Ruffles



Kiwi Fern



Lord Voldemort



Trailing Burgundy

## Red



Bright Ruffles



Dark Red\*



Florida Sunshine



Oxblood



Pat Martin



Red Coat



Red Roof



Red Ruffles



Sangria



Watermelon Delight

Color play: Design your own Coleus!



**Green/Yellow/Orange**



**Alabama**



**Bonnie Gold**



**Defiance**



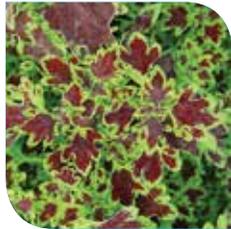
**French Fry**



**Gays Delight**



**Gold Lace**



**Inky Fingers**



**Mardi Gras**



**Pineapple**



**Wild Lime**

**Many-colored**



**Beauty Of Lyon**



**Burgundy Ruffles**



**Cracklin' Rosie**



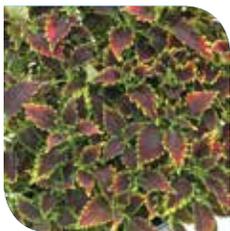
**Jade**



**Kingwood Karnival**



**Magenta Sunrise**



**Olympic Torch**



**Pink Ruffles**



**Solar Sunrise**



**Stormy Weather**



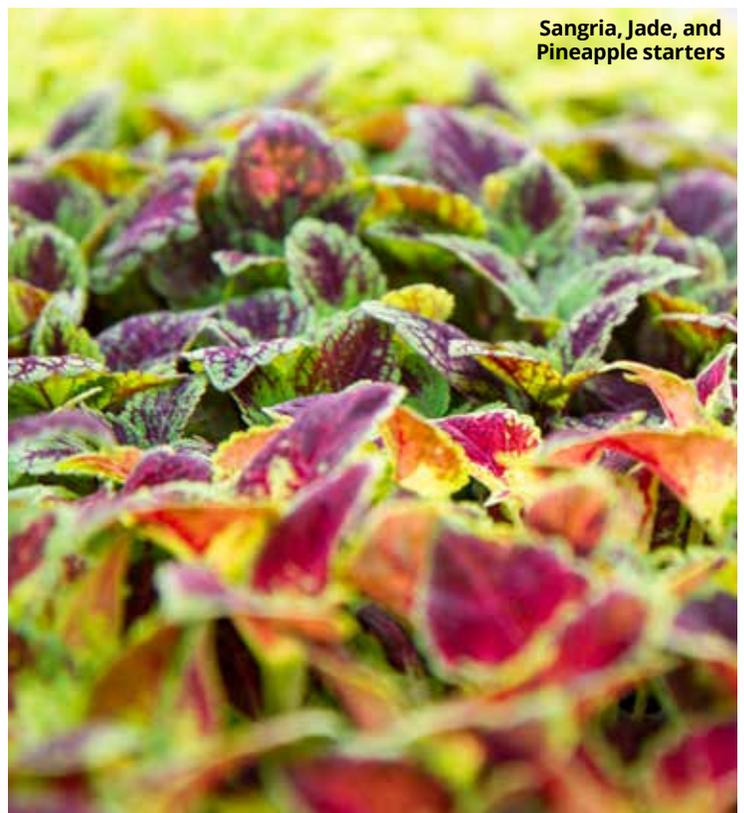
**Sunglow Pink**



**Trailing Pink**



**Velvet Pistachio**



**Sangria, Jade, and Pineapple starters**

For tips on effective prevention of Downy Mildew, visit our blog:  
[ncfarmsinc.com/blog/Combat-Downy-Mildew](http://ncfarmsinc.com/blog/Combat-Downy-Mildew)

## 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**.

4" crop time	5-7 weeks
Light	Full sun
Night temp	55° - 65°
Water usage	Moderate
Bloom period	Spring/Summer/Fall

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

### Patented Varieties



Highland Blast



Highland Haze

## Cuphea Mexican Heather

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

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

Aphids, thrips, and whiteflies

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

### Non-Patented Varieties



Purple



White



Wine



Wine

## 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
Light	Full sun/partial shade
Night temp	52° - 59°
Water usage	Moderate
Bloom period	Spring/Fall



Clockwise Top:  
Papaya  
Classic White  
Ruby



## Dorotheanthus

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

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

No significant pest problems

4" crop time	5-6 weeks
10" crop time	11-12 weeks
Light	Full sun
Night temp	60°
Water usage	Light
Bloom period	Spring



**Dorotheanthus Variegated**

## Double Impatiens

Originally from Africa and parts of Asia, the Impatiens genus is now widely found in the northern hemisphere. These Impatiens have double rosebud-type flowers on plants cultivated to grow full and compact. They are used as **garden annuals**, but they can also be **planted in containers**. Your customers may appreciate that they **do not need a plant growth regulator to stay compact**.

Use a **well-drained soil** with good water-holding capacity. Use a **well-balanced fertilizer** at a **constant feed of 150-200 ppm N**. (Leach periodically with clear water to prevent salt accumulation.) High ammonia levels will cause excessive vegetative growth and inhibit flowering. Too wet and un-aerated media will cause stretched plants and reduce flowering. Maintain a **pH between 5.8 - 6.2**.

Aphids, thrips, mites, and **downy mildew**

Available in an assorted tray

4" crop time	5-7 weeks
10" crop time	8-10 weeks
Light	Partial sun
Night temp	62°- 64°
Water usage	Light/moderate
Bloom period	Spring/Summer/Fall

### Non-Patented Varieties



**Dark Red**



**White**



**Orange/White**



**Red/White**



### Patented varieties:

#### Musica Series

- Bicolor Cherry
- Bicolor Dark Red
- Bicolor Pink
- Electric Purple
- Elegant Red
- Fine Purple
- Orange
- Pink Aroma
- Pink Energy
- Princess Pink
- Pure White
- Red Crimson

## Dracaena Indivisa

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

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

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

Aphids



**Dracaena Indivisa with Lysimachia (p.37)**

## 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. 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

### Record Sales!

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



## Episcia

**Flame Violets** are native to North and South America. Their love of shade and creeping growth habit make them outstanding **houseplants**. Typically grown for their unique foliage, Episcia can flower for the majority of the year with at least 8 hours of bright, indirect light (but avoid full sun). These fussy plants can be high-maintenance, but your customers will love the end result. Non-patented.

Use a ¼ dilution of balanced fertilizer every two weeks during the summer. Maintain a **pH between 5.0 - 6.5**. Water moderately in the summer and sparingly in the winter, making sure to use a well-draining soil. Episcia love high humidity, but they do not tolerate saturated soil or water on their leaves, so be careful when watering and allow the soil to dry between waterings.

4" crop time	6 weeks
10" crop time	10-12 weeks
Light	Partial Shade/Full Shade
Night temp	65°
Water usage	Light-moderate
Bloom period	Spring/Summer/Fall

*\*Only available in a mixed tray.*

Mealybugs and aphids



Episcia

## 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

## Fittonia

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

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

Mealybugs

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



Fittonia

## 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.

 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

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

## Fern Planting Schedule

- Jan-Mar** Pre-order Fern liners or 4" pots.
- June** Plant liners in 4" pots.
- Sept** Transplant 4" pots to final container.
- Spring** Make the competition look silly with your big, showy baskets.



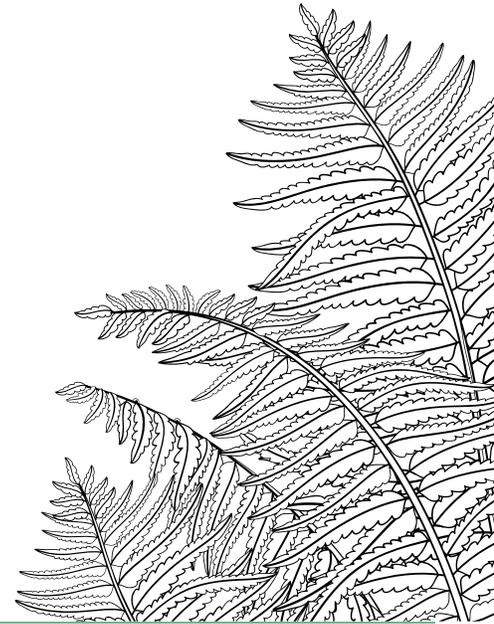
*Order four inch pots and save time and money by pushing production to the fall.*



**Emerald Queen  
Sword Fern**



**True Boston  
Massii Fern**



## Fuchsia

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

*Available as an assorted tray.*

 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

### Upright Varieties



**Dollar Princess**



**Gartenmeister**



**Jingle Bells**



**Winston Churchill**

### Trailing Varieties



**Blue Eyes**



**Dark Eyes**



**Deep Purple**



**Lena**



**Marinka**



**Swingtime**

# Geraniums



Candy Idols  
Bright Red

## Patented Varieties:

### Ivy Geraniums

- Global Series
- Minicascade Series

### Zonal Geraniums

- Candy Idols Series
- Maestro Idols Series
- Patriot Series
- Summer Idols Series

## Patriot Series



Bright Pink



Bright Red



Bright Violet



Evening Glow



Lavender Blue



Rose Pink



Salmon Chic



Watermelon



White

For a complete list of varieties, visit [ncfarmsinc.com/geraniums](http://ncfarmsinc.com/geraniums)

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

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

 Aphids and thrips

Available in an assorted tray

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



Left: Candy Idols White Parfait  
Below: Best-Selling Patriot Bright Red



**Non-Patented Varieties**

**Scented Series**



Apricot



Attar of Roses



Citriodorum



Fragrans



Gardener's Joy

**Not Pictured:**

- Empress of Russia
- Georgia Peach



Lady Plymouth



Orange Fizz



Sweet Mimosa

**Valleyheart Series**



Apex Red



Rhapsody Pink



Sunrise Salmon

**Variegated Series**



Mrs. Pollock



Occold Shield



Vancouver Centennial



Wilhelm Langguth

**Ville de Paris Series**



Bicolor



Dark Pink



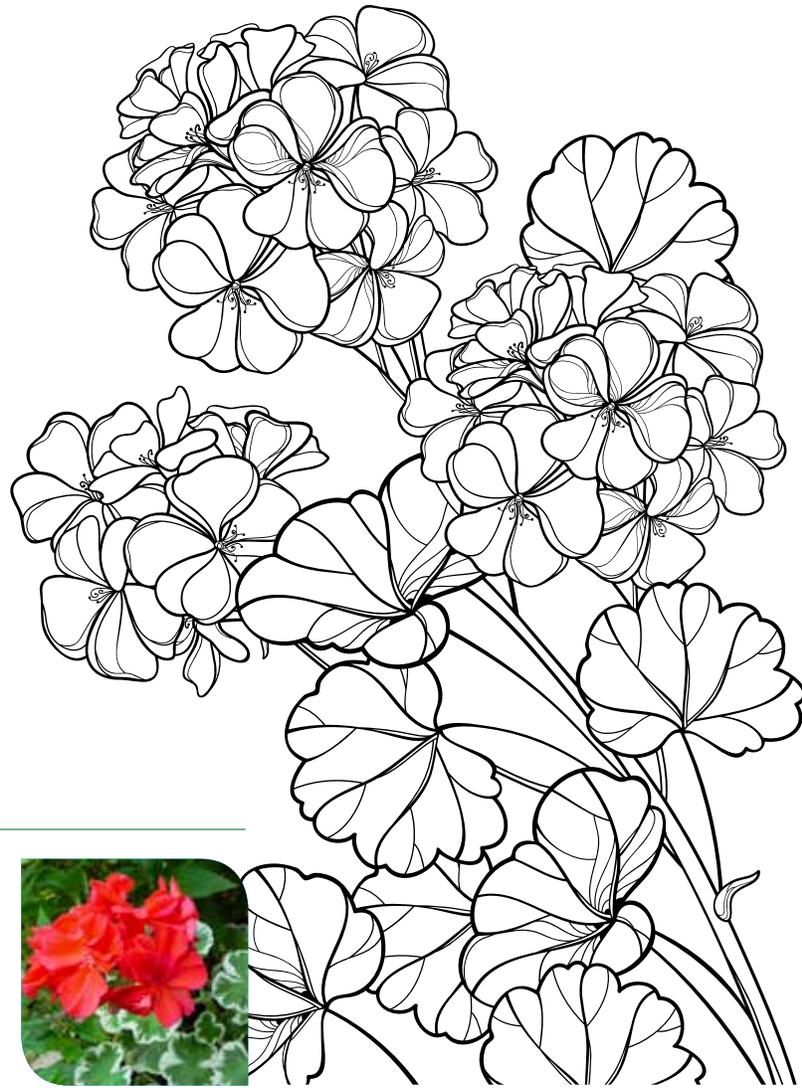
Lilac



Pink



Red



## Goldfish

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

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

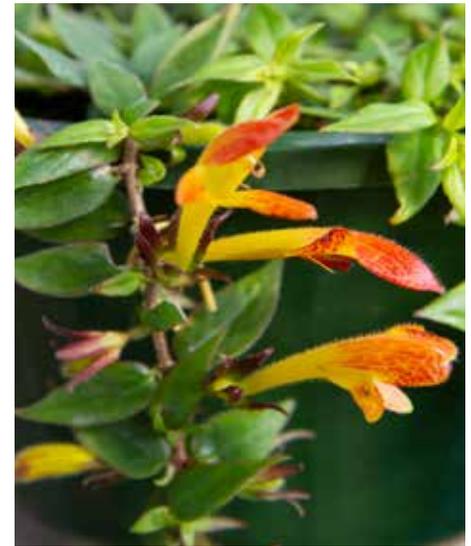
*\*Only available in an assorted tray. We cannot accommodate requests for specific varieties.*

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

Aphids, mealybugs, and thrips

**Record Sales!**

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



## Gynura

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

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

Aphids

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

*\*Gynura are not available as URC.*

### Non-Patented Varieties



Purple Passion



Purple Passion Variegated

## Helichrysum Licorice Plant

**Trailing Dusty Miller** is a vigorous **drought- and heat-tolerant** plant with white fuzzy leaves on fast-growing, slightly upright vines. The Licorice Plant's cascading foliage works well as an edge plant in combination baskets, but it also lends itself to 4 inch or 10 inch pots--a great choice for garden centers looking for diversity for their customers.

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

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



Helichrysum Licorice

## Hedera Helix Ivy

Native to Europe, Scandinavia, and Russia and brought to the U.S. by colonial settlers, Hedera Helix Ivy are fast-growing, trailing plants known for the way they aggressively **climb buildings and trellises and cascade from containers and hanging baskets.** Also useful in **topiaries and landscapes,** there's a reason these plants are top sellers year after year. Their attractive woody evergreen foliage and vigorous growth make them easy to care for and readily identifiable to the common eye.

 Use a **low-but-constant feed program of 200 ppm N** once they're well-rooted. Maintain a **pH between 5.5 - 6.5.**

 Spider mites and aphids; root rot, botrytis, and bacterial blight

4" crop time	4-6 weeks (3 plant per pot)
10" crop time	8-10 weeks (7 plants per pot)
Light	Partial Shade
Night temp	50°- 60°
Water usage	Light-Moderate

Available in these 4" or 105 Assortments: Green Leaf, Variegated Leaf, or Mixed Assortment



Anne Marie



Baltic



California



English



Glacier



Gold Child



Mint Koliebri



Needlepoint



Pittsburgh



Ralf



Shamrock



Spearpoint

## 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.

 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.

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

 Whiteflies and occasional aphids



Heliotrope Marine

## Hibiscus

This very hardy, versatile plant has an **upright shrub habit** that can grow up to 6 feet tall when left alone. Hibiscus adapts itself to **balcony gardens** in cramped urban spaces and can be easily grown in pots as a creeper or **hanging basket.** In tropical conditions, it's a perennial and flowers throughout the year. Hibiscus makes an excellent choice for growers who are just getting started. Non-patented.

 Use a **balanced fertilizer** and a **constant feed program of 200 ppm N.** Maintain a **pH between 5.5 - 6.2** and an optimal **EC of 0.5 mmhos.** Use PGRs to control height if greenhouse grown.

 Whiteflies and mealybugs

Available in an assorted tray

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



Dark Red



Orange



Rose Pink



Snow Queen



Yellow

## Herbs

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

 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

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



French Tarragon



Stevia

## Mint



Chocolate



Kentucky Colonel

Available in an assorted tray.

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

## Rosemary



Barbecue

## Thyme



English

## Lavender



Angustifolia Munstead

## Oregano



Compacta

## Salvia



Berggarten Sage



Prostratus Trailing



Lemon



Bucii Pinnata



Golden



Officinalis Golden Sage



Mojito



Salem



Silver Queen



Grosso



Hot and Spicy



Officinalis Purple Sage



Orange



Peppermint

## Basil



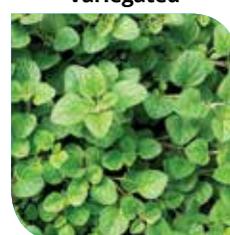
African Blue Basil



Dwarf Basil



Provence



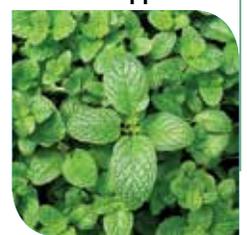
Vulgare



Tricolor Sage



Pineapple



Spearmint

## Ipomoea

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

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

 Aphids, whiteflies, thrips, and spider mites



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

### 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

### Patented Varieties



**Bright Ideas Black**



**Bright Ideas  
Rusty Red**



**Bright Ideas Lime**

## Iresine Chicken Gizzard

The Iresine **Bloodleaf Plant** is native to Brazil and is an unusual, ever-colorful plant. It has glossy, oval leaves that measure 2 ½ inches across and are sure to set you apart from the competition. Chicken Gizzard makes a striking **houseplant,** but it can live outside as a **landscape annual** (or as a soft perennial in frost-free zones 10 and 11). The colorful leaves make it a unique choice for **combination planters or stand-alone baskets.**

 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

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

### Non-Patented Varieties



**Red**



**Yellow**

## Jacobinia

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

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

 Nematodes, spider mites, and occasional caterpillars

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



**Jacobinia**

## Lantana

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

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

 Whiteflies, aphids, and leafminers

### Less than 12"



Bright Orange\*



Dwarf Raspberry



Florida Fuchsia\*



Florida Red\*



Golden Zinger



Goldie



Nugget\*



Pinky

### 12"- 16"



Buttercup



Cream



Dark Purple



Fantasy



Magic Hour\*



Megan's Gold\*



New Gold



Orange Bicolor



Pink Blush



Red Compacta



Salsa



Spreading Gold

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



Buttercup

# Widest Selection of Non-Patented Lantana in the Industry



Bright Orange

## 16"- 20"



Bright Pink



Elegance



Fireworks



Knee High Gold



Knee High Orange



Knee High Yellow



Lil' Miss\*



Peaches



Soft Pink



Upright White



Wagon Wheel Pink

## 20+"



Confetti



Dallas Red



Dark Red



Irene



Miss Huff



Peachy Yellow



Samantha

Available in an assorted tray  
\*Marked varieties are patented.

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

## Trailing



Lavender



White

## Lamium

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

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

 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



Herman's Pride



Silver Beacon

## Lipstick

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

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

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

 Mealybugs, aphids, and possibly thrips



## Lobelia

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

### Patented varieties:

#### Anabel Series

- Blue Hope
- Brilliant Blue
- Snow White
- Superior Blue

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

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

 Aphids, whiteflies, and thrips

Available in an assorted tray

### Non-Patented Varieties



Trailing Lavender Pink



Trailing Baby Blue



Trailing Midnight Blue



Trailing White

*50 Count Trays  
Come One of Two Ways:*

**True 50s**  
Our 50mm tray is used for plants with larger leaves whose root systems demand larger growing media.

**Mini 50s**  
Our 25mm tray (105 planted every other cell) is used for plants with larger leaves that need more space but whose root systems do not need extra space. Smaller soil volume in these trays means faster root times.

\*Price list items marked with an asterisk under tray size are shipped in Mini 50s. All others are True 50s or full 105s.

## The Black List

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

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

## 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.



### We have multiple box sizes:

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

- **Boxing charges are \$1.50 per tray on all rooted orders and \$3.00 per box for all unrooted orders.** This fee applies to all boxed orders for shipping or pick-up. An additional \$3.00 charge will be applied for insulated boxes when necessary. We determine which box to use based on weather at the time of shipment. Please let us know if you would like to try to avoid the insulation charge by delaying your shipment for weather.

## Would you like tags with that?

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



*If you want tags, be sure to request them 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.

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

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

## Wondering when your plants will ship?

Our system is set up by ship weeks, not ship dates. This is the industry standard. If your order is set for January 7, 2019, this means it should ship Week 2 of the calendar year. If your plants ship Monday, Tuesday, or Wednesday of your week, they have shipped on time.

- We ship **Monday through Wednesday** each week.
- Your order is usually **shipped** out on the **same day** that it is completed.
- We **cannot guarantee** that all orders will go out on **Monday.**
- 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.

## Rooted Cuttings (RC)

Minimum order	4 trays
Min. per variety	35 plugs (105 tray) 25 plugs (50 tray)
Low order fee	\$8.00 per missing tray
Pricing/tray size	See pages 31-33

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.



Our most common tray size is the 105. Its plug is 1" in diameter and 1.5" tall.



For plants with larger leaves, we use our 50-cell tray. Plugs in this tray measure 1.25" in diameter and 1.5" tall. See note on page 30 for more details.

## Unrooted Cuttings (URC)

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

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



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

## Lobularia

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

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

 Aphids, whiteflies and possibly thrips

*\*All Lobularia varieties are patented.*

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



Deep Lavender Stream



Lavender Stream



Purple Stream



Raspberry Stream



Silver Stream



White Stream

## Lotus Vine

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

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

 Aphids and mealybugs

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



Lotus Vine

## Lysimachia

**Creeping Jenny** is a **vining plant** known for its yellow leaves and cascading growth habit. Known more for its foliage than its flower, in warmer climates Creeping Jenny is evergreen and will produce small yellow flowers in the springtime. Lysimachia is an excellent **groundcover**, a cascading plant in a **combination planter**, or a standalone **hanging basket**. It 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	6 weeks
10" crop time	10 weeks
Light	Full sun
Night temp	60°
Water usage	Moderate

**Not pictured: Goldi (patented)**



# Garden Mums: Here's your fall plan.

## Mum Ordering Calculator

Assume your peak garden mum sales time is in mid-September, around week 38:

1. You pick varieties that bloom during that window (see chart).
2. Since the canopy size of a finished mum should be double the pot size, to sell in 8" mum pans, your mums will need to grow out to 16" to make a full, finished product.
3. Since Belgian mums grow an inch and a half per week, you need about 11 weeks to finish them out.
4. You count back, add one week for good measure, and realize you want your mums to arrive on week 26, or the end of June.
5. You leisurely place your order on **ncfarmsinc.com** and kick back to enjoy a cup of coffee. Done!

For you math nerds, here's a simple formula for you to follow:  $BW - (PS \times 2 / 1.5) + 1 = AW$   
 BW = Bloom Week, PS = Pot Size, AW= Arrival Week

**Don't forget:** Custom orders must be placed at least 6 weeks in advance of your Arrival Week!

	EARLY SEPTEMBER	MID SEPTEMBER	LATE SEPTEMBER	EARLY OCTOBER	MID/LATE OCTOBER
Red	Urano Red	Camina Red Fonti Red - NEW Granata Red Vega Red	Amadora Red Pobo Red Savona Red	Como Red - NEW Lava Red Pavia Red Thera Red	Contiki Red Jasoda Red Staviski Red Vigorelli Red
Yellow	Allergra Yellow	Akilon Gold Arluno Yellow - NEW Fonti Yellow - NEW Sinelli Yellow Urano Yellow Venos Yellow	Atlantico Yellow Cesaro Yellow Conaco Yellow Conella Yellow Espero Yellow Matador Yellow Padre Yellow	Aluga Yellow Amiko Yellow Malmo Yellow Milano Yellow Veritas Yellow	Dark Veria Yellow Jasoda Yellow Mouria Yellow Staviski Yellow
Orange	Urano Orange	Arluno Orange - NEW Destino Orange Fonti Orange - NEW Mika Orange	Conaco Gold Conaco Orange Conella Orange Miora Orange Nerola Orange Padre Orange Peroni Orange - NEW Rhinos Orange	Amiko Bronze Cento Bronze Izola Orange Milano Orange Tuscany Salmon Veritas Orange	Aduro Orange - NEW Antica Bronze Jasoda Orange Staviski Orange Vigorelli Orange
Purple		Adiva Purple Arluno Mauve - NEW	Magnus Violet Padre Cerise Pobo Lavender Zaza Purple	Amiko Violet Coparo Purple Lano Purple - NEW	Aduro Purple - NEW Galatino Purple Jasoda Mauve - NEW Mefisto Purple
White		Arluno Vanilla - NEW Fonti White - NEW Lesconil White Mabel White Prima White	Espero White Margo White Padre White	Aluga White Amiko White Milano White	Aramis White Jasoda White Staviski White
Pink		Akilon Pink Arluno Pink - NEW Destino Pink Fonti Pink - NEW	Fiora Pink Padre Pink	Latina Pink Pomona Violet Livia Pink Milano Pink	Aduro Pink - NEW Jasoda Pink Staviski Pink Vigorelli Violet

Chart based on southern bloom times; northern times vary, but trend earlier. See our website for images and growing information.

## Belgian Mums

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**.

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

 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

**\*See our website for growing tips and more information:**  
[ncfarmsinc.com/BelgianMums](http://ncfarmsinc.com/BelgianMums)

### 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 Christmas Cactus for your 4" pots, or Dracena and other fast-growing foliage plants for fun fall combos!

### Belgian Garden Mums are:

- **Low Maintenance** — They do not require pinching or plant growth regulators.
- **Easy to Grow** — They require no supplemental lighting or black cloth during a natural bloom season.
- **Flexible** — They grow anywhere outdoors in the full sun.



Fonti Orange



Fonti Yellow



Arluno Mauve



Staviski Pink



Vigorelli Orange

For 61c per plant, order in assorted trays based on bloom time.  
\*All Belgian Mum varieties are patented.



## Nemesia

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

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

 Whiteflies, aphids, thrips

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



Nemesia

## Pot Mums

A classic garden plant, **Chrysanthemums** are a versatile crop that can be grown in almost **any size and container type**, which expands their marketing possibilities. We carry **Syngenta's line of Yoder mums**, which boasts more than **60 colorful varieties**. These mums can be grown year-round, but will require supplemental lighting and/or black cloth outside of their native bloom period in the fall.

*See our website for all available colors and more detailed growing information:*  
[ncfarmsinc.com/PotMums](http://ncfarmsinc.com/PotMums)

 **Always plant in moist, well-drained, well-aerated media.** Plant deep to anchor the plant. Use liberal water and fertilizer, but allow some drying between irrigations to prevent root rot and promote healthy root systems. **Thorough irrigation with leaching is ideal.** Heavy feed during the initial stages of growth is best, but reduce or eliminate feed and lower the night temperatures during the final 3-4 weeks of production to increase longevity, enhance flower color, and strengthen stems.

 Aphids, fungus gnats, leafminers, spider mites, thrips, and whiteflies

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

Available in an assorted tray

\*All Pot Mum varieties are patented.



Auburn Orange



Bloomfield Yellow



Estes Park Purple Bicolor



Fire Island Red Bicolor



Grandview Light Pink



Hilo Mango



Hilo Tangerine



Jamestown Regal Purple



LaBelle Dark Pink Bicolor



Limerick Lime



Olympia White



Outrageous Red



Pittsburgh Purple



Pueblo Yellow



Rockport Purple



Santa Cruz Red Bicolor

# SunPatiens

SunPatiens® are **revolutionary new hybrid** impatiens bred by Sakata. These remarkable plants represent a breakthrough in flower breeding: **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**. SunPatiens® are offered in two distinct habits: **compact and vigorous**.

*\*All SunPatiens varieties are patented.*

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

 Spider mites, thrips, and shore flies

*For more detailed growing tips from the breeders, download a pdf of cultural info: [ncfarmsinc.com/SunPatiens](http://ncfarmsinc.com/SunPatiens)*

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

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



Clear White



Corona



Lavender



Lavender Splash

**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



Orchid



Orange Improved



Fire Red



Hot Coral



Lilac



Neon Pink



Pink Kiss



Red



Orange



Orchid



Orchid Blush



Pink



Rose Pink



Shell Pink



Pink Candy



Purple



Royal Magenta



Tropical Rose



Tropical Salmon



Tropical White

*Not pictured: Red White*

*Not pictured: Tropical Orange*

# New Guinea Impatiens

## Patented Varieties



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.**

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

 Spider mites and thrips

### Strike



Orange



Plum

### Harmony



Apricot Cream



Blush



Bicolor Red



Bold Red



Dark Violet



Fire



Purple Cream



Tangerine

#### Not Pictured:

- Boogie
- Candy Cream
- Dark Lavender
- Dark Lilac
- Dark Pink
- Dark Red
- Deep Magenta
- Deep Red
- Deep Salmon
- Fuchsia Cream
- Magenta
- Marshmallow Cream
- Orange Blaze
- Orange Star
- Pastel Lavender
- Perfect Pink
- Pink Cream
- Pink Smile
- Raspberry Cream
- Red Cardinal
- Salmon Cream
- Snow
- Spicy Peach
- Violet
- White

### Sun Harmony



Blushing Orchid



Deep Orange



Deep Pink



Scarlet



White

#### Not Pictured:

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

# Beauty Pageant Series (Non-Patented)

Available in an assorted tray

## GREEN FOLIAGE



Amelia



Annie



Carrie



Dallas



Emily



Naomi



Victoria

## DARK FOLIAGE



Audrey



Andria



Elizabeth



Eve



Evelyn



Gabriella



Karen



Loretta

## VARIEGATED FOLIAGE



Carmine



Galia



Ruth

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



Carmine

## Osteospermum

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

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

 Whiteflies, leafminers, and thrips

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

\**Osteospermum* not available in URC

Also Available in these Patented Series:

- Ostica Series
- Osticade Series

### Non-Patented Varieties



Blushing Yellow



Lavender



Purple



White (Purple Eye)

## Pellionia

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

\**Pellionia* not available in URC

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

 No significant pest problems

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



New Emerald Green



Watermelon

## 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

## Peperomia

Also called **Baby Rubber Plant**, these **herbaceous perennials** 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**.

 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

Non-patented. 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

## Petunia Hybrids SuperCal® Series

These **hybrid plants** were created by Sakata because they 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 hybrid Petunias desirable additions to a spring program for shoppers looking for color before traditional plants are ready to sell. Grow these plants for **beds, hanging baskets**, or as flowering cascaders in your **combination pots**.

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

 Aphids, leafminers, whiteflies, and thrips

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

*\*All SuperCal® varieties are patented.*



Artist Rose



Blue



Blushing Pink



Cherry Improved



Crimson Red



Lavender Star



Light Yellow



Neon Rose



Pink Ice



Pink



Purple



Salmon Glow



Snowberry White



Terra Cotta



Violet

## Premium Series



Bordeaux



Caramel Yellow



Cinnamon



French Vanilla



Sunray Pink



# Petunias

## Patented Varieties

For a complete list of varieties, visit [ncfarmsinc.com/petunias](http://ncfarmsinc.com/petunias)

### Cascadia Series



Autumn Mystery



Bicolor Cabernet



Indian Summer



Rim Violet

### Littletonia Series



Bicolor Black



Bicolor Illusion



Purple Blue



White Grace

### Ray Series



Black



Bordeaux



Pink Halo



Sunshine

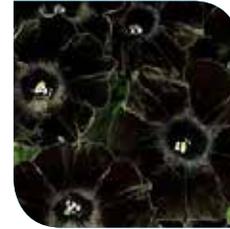
### Crazytunia Series



Bitter Lemon



Blackberry Cheesecake



Black Mamba



Good Night Kisses



Mandeville



Razzmatazz



Red Blues



Terracotta

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**.



## Non-Patented Varieties

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

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

Whiteflies, aphids, leafminers, and thrips

Available in these assortments:

- Mini
- Trailing

## Trailing Series



Blue Velvet



Lime



Pink



Purple



Red



Soft Pink



Violet



White

## NEW Imagination Series (Trailing)



Cair Paravel



Deep Magic



Dragon's Hoard



Fledge



Lion's Mane



Lord Drinian



Pevensie Purple



Polly Pink



Rathmandu



Turkish Delight



Winter Jadis

## Mini Series



Deep Velvet



Little Joy



Purple



White Improved



Wine Red

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



Dufflepuds

## Pilea

Originally from Mexico and Brazil, these **herbaceous perennials** can be grown as annual foliage, houseplants, or 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**



**Friendship**



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

*Available in an assorted tray*  
*Non-patented*

### Upright Varieties



**Hilliardiae Red**



**Ciliatus Gold**



**Ciliatus White**

### Trailing Varieties



**Emerald Lace**



**Green**



**Mint**



**Purple**

## Purslane/Portulaca

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

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



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

Aphids and thrips

### Patented varieties:

#### Portulaca Pazzaz Series

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



Jumbo Mango



Jumbo Punch



Jumbo Salsa

Available in these assortments:

- All Mixed Up
- Big Bloom Assorted



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

## 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



## Scaevola

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

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

 Aphids, spider mites, and thrips

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

**Non-patented:**



Blue Fan Flower

**Patented varieties:**

- Blue Wind
- Pink Blessing
- White Touch
- Scalora Top Pot Blue
- Scalora Top Pot Pink
- Scalora Top Pot White

## 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.

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

 Mealybugs

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



German Ivy



Wax Ivy

## Setcreasea

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

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

 Whiteflies and occasional spider mites

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



Setcreasea

## Shrimp Plant

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

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

 Scales, spider mites, and thrips

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



Shrimp Plant

## Snake Plant

**Sansevieria** (also called *Mother-in-law's Tongue*) is a tropical choice that has been a **mainstay houseplant** for many plant lovers due to their ease of care and ready availability in the marketplace. It was a winner in NASA's "Indoor Air Pollution Abatement" study, showing a specific ability to **remove formaldehyde and benzene** from the home. Use this plant in a container as a **houseplant**. Non-patented.

 Use a constant feed program of **150-200 ppm N**. Allow the top of the soil to dry out between waterings. Maintain a **pH between 5.8 - 6.2**. If grown in a dry environment (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. The water should never touch the pot with the plant.

 Highly resistant to pests

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



Snake Plant

## Sprenger Fern

Native to southern Africa, **Asparagus aethiopicus** is a perennial in 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



**Sprenger  
Asparagus Fern**

## Streptocarpella

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

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

 Mealybugs and thrips

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

### Non-Patented Varieties



**Concord Blue Trailing**



**White Trailing**

## Strobilanthes

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

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

 Spider mites, occasional aphid or mealybug

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



**Persian Shield**

## Tolmiea

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

 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.

 Mealybugs

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



**Piggyback Plant**

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

## Succulents

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

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

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

 Succulents do not have any significant pest problems.

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



Aloe Vera



Echeveria Assortment

Premium Cactus Mixture



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



General Assortment

Our high quality 50-cell plug trays come **ready to transplant** into your final container for immediate sales.



Exotic Assortment



Our Premium Cactus Mixture is a wide selection of unlabeled **Cacti** perfect for creating mixed pots and displays.



**Crassula Assortment**



**Sempervivum Assortment**



**Sedum Assortment**



**Trailing Assortment**

**Retail-ready  
2" Succulent Mixture**



## Tillandsia

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

Light	Shade
Night temp	50-60°
Water usage	Moderate



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

No significant pest problems

Tillandsia (Air Plant) Mixture

## Thunbergia

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



Orange



Pink



Yellow



Yellow Eye

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

## 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**.



Moon Blue



Moon Indigo



Moon Magenta



Moon Purple

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 Rose



Moon White



Moon Yellow

# Verbena

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

 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

### Patented Varieties:

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

## NEW! Alice Series



Cheshire Pink



Mad Hatter



Off with Her Red



Purple Tart



Red of Hearts



White Rabbit

## Carolina Series



Coral



Pink Bicolor



Purple Bicolor



Purple Homestead



Watermelon

## Trailing Series



Improved Red



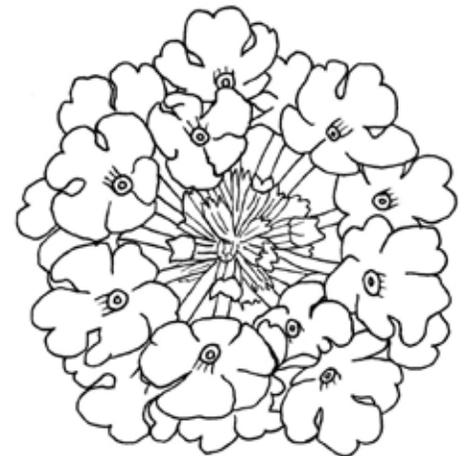
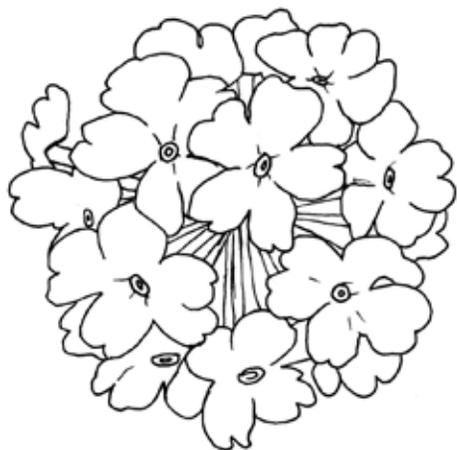
Perfect Pink



White

If you could design a line of verbena, what would it look like?

Color the blooms below, then name your new varieties!



## Vinca Vine

**Common Periwinkle** (also called *Creeping Myrtle*) is an **herbaceous perennial** that is native to Europe and southern Russia. It has small flowers that bloom in the spring and intermittently until frost, but is mostly known for its **ground-covering foliage**. Perennial to zone 7, this tough little **evergreen** is perfect for **bedding containers** or **combination planters**. Non-patented.

Also available as an assorted tray.



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



Aphids, spider mites, and whiteflies

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



Bowles



Maculata



Ralph Shugert



Variegated

## Wandering Jew

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

Also available as an assorted tray.

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

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



Bolivian



Bridal Veil



Burgundy



Green



Green Silver



Green Yellow



Purple



Purple Fuzzy



Rainbow



Red



Tricolor



White Fuzzy

# "Plays Well With Others"

Looking for teamwork? These plants share the same goals and tend to work well together.

## **Fairy Garden Plants**

- Ajuga
- Alsobia
- Bacopa
- Bidens
- Cuphea
- Diascia
- French Tarragon
- Goldfish
- Lobelia
- Lysmachia
- Lotus Vine
- Lobularia
- Moss
- Nemesia
- Oregano
- Pilea (not Aluminum)
- Streptocarpella
- Succulents
- Thyme
- Vinca Vine

## **Terrarium Plants**

- Alsobia
- Cissus
- Episcia
- Ficus Quercifolia
- Fittonia
- Goldfish
- Gynura
- Lipstick
- Moss
- Pellionia
- Peperomia
- Pilea
- Streptocarpella
- Tillandsia

## **Winter Hardy**

- Ajuga
- French Tarragon
- Hedera Ivy
- Lantana Miss Huff
- Pot Mums
- Verbena Purple Homestead

## **Heat Lovers**

- Ajuga
- Alternanthera
- Bougainvillea
- Coleus
- Dorotheanthus
- Dracaena
- Duranta
- Lantana
- Lavender
- Purslane/ Portulaca
- Rosemary
- Scaevola
- Setcreasea
- Strobilanthes
- Succulents
- SunPatiens
- Vinca Vine

## **Drought Hardy**

- Ajuga
- Basket Grass
- Begonias
- Bougainvillea
- Carnation
- Chlorophytum
- Cissus
- Dorotheanthus
- Ferns
- Hedera Ivy
- Lantana
- Lavender
- Pellionia
- Peperomia
- Purslane/Portulaca
- Rosemary
- Sansevieria
- Setcreasea
- Sprengeri
- Succulents
- Vinca Vine
- Wandering Jew

## Greenhouse Supplies

Our greenhouse supply program continues to grow year after year. We have partnered with our hard goods supplier to pass on **our volume discount** to you, our customer. We are excited to be able to offer these **deeply discounted prices** on items you have to buy anyway—just to help you grow your business. See our website for full details on case sizes and costs: [ncfarmsinc.com/supplies](http://ncfarmsinc.com/supplies)

### Hanging Baskets and Planters

We carry hanging baskets in standard sizes from 8" up to 12" and you can order them with wire or plastic hangers, depending on your application. Three-strand hangers are available for most baskets; four-strand hangers are available for the 12" basket.



**Made partially from recycled materials!**

### Pots and Carrier Trays

Shuttle Pots can be ordered in round or square, from 3.5" up to a 12" planter. Order shuttle trays to come with your pots. The unique design makes it impossible for soil to fall between the growing pots. These trays help you plant faster, create a more attractive display, and encourage multi-pot sales.



### Ellepots



These **biodegradable** paper pots aid in the propagation of unrooted cuttings. 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 **supplies extra oxygen to the plant and aids in producing a strong, healthy root system.**

To order, visit [ncfarmsinc.com/Ellepots](http://ncfarmsinc.com/Ellepots)



**Each year more growers are finding the benefits of Ellepots.**

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

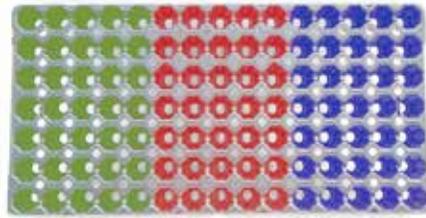
## Assorted Trays

Our assorted trays are perfect for growers who'd like to pack as much variety into each tray as possible. If you are just getting started or want to keep your volume down, assorted trays are the perfect way to get color in the greenhouse without breaking the bank.

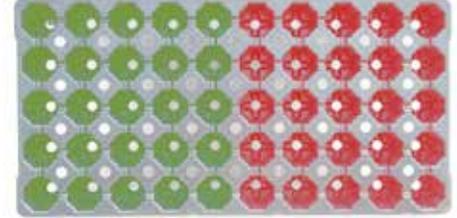
*\*For a small extra charge per plant, you can pick which colors are included in your assortment. (Select assortments only.)*

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

*Plants that ship in 105-cell trays will come with **three complementary colors** of our choice based on availability.*



*Plants that ship in 50-cell trays will come with **two varieties** of our choice based on availability.*



## Super Assortments

**Want even more variety stuffed into one tray?** Super Assortments are hand-picked combinations that deliver a wide variety of plants for even the smallest growers. Each tray contains **seven different varieties** of plants in our 105-cell tray. All varieties are chosen by our rooted production team based on availability at the time of shipment and priced at 71c per plant. *We cannot accommodate requests for specific plants with Super Assortments.*

**Super  
Fairy Garden  
Assortment**



- 1. Super Spring Assortment:** Blooming spring annuals fill this tray with spectacular color. Expect varieties like Impatiens, Begonias, Verbena, Petunias, and more.
- 2. Super Foliage Assortment:** Foliage is always handy to have around for easy filler in combination planters or standalone pots. Expect year-round sellers like Wandering Jew, Swedish Ivy, Pilea, Peperomia, and more.
- 3. Super Fairy Garden Assortment:** Fairy gardens are a fun way for your customers to get creative with small spaces. Provide them with an assortment of delicate-looking plants well suited for the project, like Bacopa, Cuphea, Diascia, Lysimachia, Nemesia, Oregano, Pilea, Thyme, and more.

## 2" Mixed Trays

**Our two inch mixed trays are designed to arrive ready for retail display.** These plants are older and larger than our typical starter plants and will give you an easy option to add popular plants to your inventory. Whether you run out too early in the season or you don't have time or bench space to grow your own, these two inch pots are here to help.

*We cannot accommodate requests for specific plants with 2" Mixed Trays.*



## Combination Trays

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

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

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

1
1 1 1
1



**Dish Garden**  
5 different small indoor plants



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

3
1 2 4
5



**Slow-Growing**  
2 Ivy, Dracaena, Ajuga, Sprengerii

4
1 2 1
3



**Full Sun**  
2 Petunias, 2 Verbena, Ipomoea

2
1 3 1
2



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

5
1 3 2
4



**Terrarium**  
5 different terrarium plants (see p. 57)



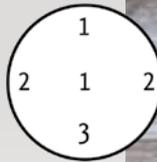
**Premier**  
Lamium, Chenille, Bacopa, Coleus, Bidens

5
1 4 2
3



### Fast Grower

2 Coleus, 2 Ipomoea,  
Helichrysum



### Foliage

5 different Foliage plants



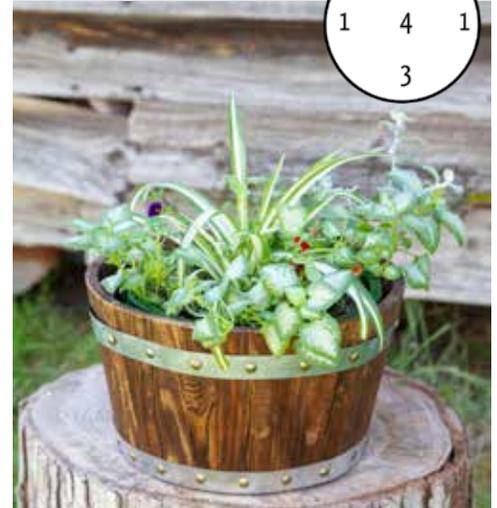
### Hummingbird

Petunia, Verbena, Lantana,  
Fuchsia, Calibrachoa



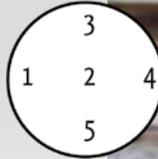
### Partial Sun

2 Calibrachoa, Helichrysum, Lamium,  
Spider Variegated



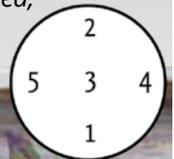
### Patio

Evolvulus, Angelonia,  
Argyranthemum,  
Calibrachoa, Bacopa



### Spring

Bacopa, Coleus, New Guinea,  
Calibrachoa, Verbena



### Red, White & Blue

Bacopa, Evolvulus, Chenille,  
Helichrysum, Lobelia



# FAQ

## ***Why are all the ship dates on Mondays?***

The greenhouse industry standard for scheduling orders is by week number. In order to simplify the process, we schedule our orders by the Monday of that week (01-06-2020 is week 02). We do not guarantee that all orders will ship on Monday, but that they will be shipped that week. We ship Monday through Wednesday of each week. Orders are shipped on the same day in which they are pulled.

## ***What are your minimums for shipping?***

Our **rooted tray minimum** for shipping is 4 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. In order to keep prices low, 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.

## ***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.

## ***Do tags come with your plants?***

Tags are a separate line item and have to be ordered separately. Tags are available by request only and will not be automatically included with your order. Some plant families have only generic tags available while others come in specific colors—be sure to ask upon ordering, or see our website for a list of generic-only tags.

## ***Are royalties added on patented varieties?***

Our catalog price includes royalty charges that we pay to other breeders for their patented varieties. Your cost per plant is the price listed here and on our site.

## ***May I propagate cuttings that grow from plants ordered?***

If the plant is patented, propagation is prohibited by law. If the plant is not patented, propagate away, my friend. See the plant item's page to check for patented information.

## ***How do you ship?***

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

## ***What if the total order is not ready?***

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, or we will backorder the item and ship it when it is ready.

## ***Do you ship in cold weather?***

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

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

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

# *People Over Profits:*

## *How the Values that Drive Our Company Serve You*

**We all feel the constant pressure of business.** At the end of the day, if we don't make money, we're forced to liquidate. However, if we allow money to drive all of our decisions, we become consumed by greed to the detriment of our community. As a company, clearly defining our values has helped us to maintain our heading without drifting too far off course.

Coming back to these values regularly keeps our focus in the right places. We hope by sharing them that you'll be inspired to apply this value-driven practice in the transformation of your own business.

### **We believe:**

#### **Everyone is created in the image of God.**

- Looking In: No matter the employees' roles or how long they've been in the company, they have value because of the worth given to them not by their titles, but by their Creator.
- Looking Out: Every customer deserves our full attention and is worthy of help along the journey, no matter their size.

#### **We should treat our neighbors as ourselves.**

- Looking In: When it comes to profit-sharing, safety, comfort, and security, we as owners have to try to put ourselves in the place of employees as we make hard decisions.
- Looking Out: We make decisions based not solely on the bottom line, but also considering what is best for our customers, from plastic to soil to virus indexing and guarantees on safe shipment.

#### **All people are uniquely gifted to be effective in their own communities.**

- Looking In: Our job as leaders is not to *create* good ideas, but to *nurture* them, no matter their origin. We need feedback and ideas from every level of our company.
- Looking Out: We all have jobs to do in our communities, from the start-up greenhouse to large-volume growers. Each company will impact their community in specific ways and areas, and we are committed to helping our customers find healthy success.

#### **We are all stewarding our businesses, relationships, and possessions.**

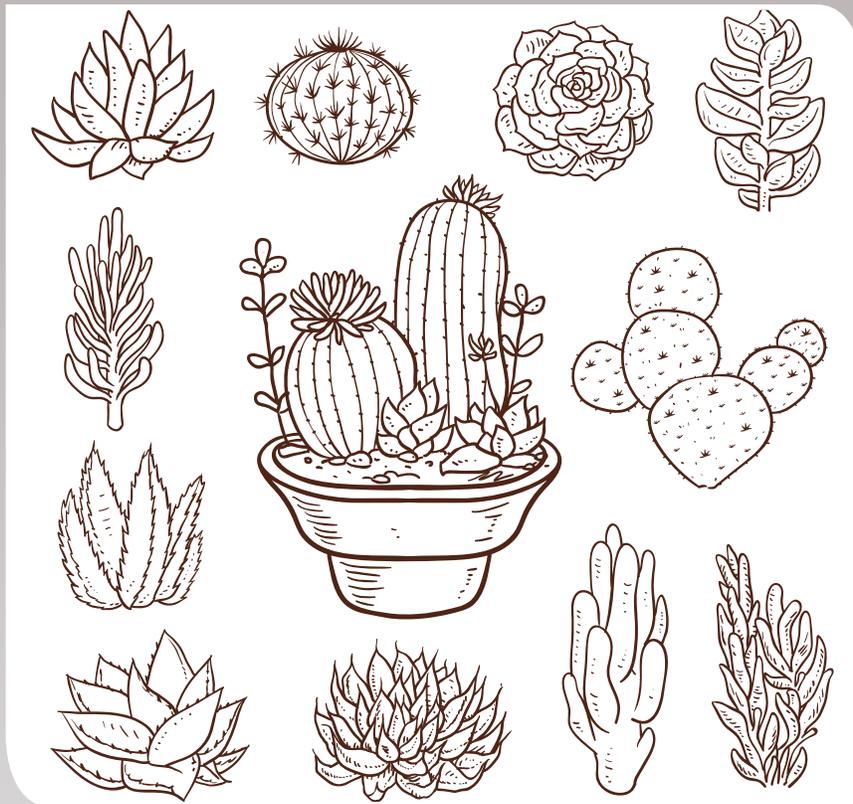
- Looking In: All that we have has been given to us to manage during our lifetime. Our job is to continually ask, "Is this the best and highest use of this resource?" We are invested in helping our employees to find their best place within the company and aiding them toward growth.
- Looking Out: We want to equip each of our customers to be successful by providing tools and coaching to grow their businesses year after year. If we can equip our customers to fulfill their purpose, we will have stewarded our gifts well.

These are the ideals toward which we are striving. Though we may not always hit the mark, we're at least pointing in the right direction. You can rest assured that if you put your trust in us, our service to you will flow from these values, and if there's ever a problem, we'll work with you to make it right.

For more of our story, visit [ncfarmsinc.com/OurStory](https://ncfarmsinc.com/OurStory)

**North Carolina Farms**

4205 Forest Drive  
Indian Trail, NC 28079



**ncfarmsinc.com**

4205 Forest Drive  
Indian Trail, NC 28079  
704-283-1800

Order Toll Free: **800-436-6248**

Fax: **704-289-6312**

Hours: Monday – Friday, 8:00 AM – 5:00 PM