

The background of the cover is a large, vibrant pink and red chrysanthemum flower head. Overlaid on this are several circular inset images: a close-up of yellow flower buds, a bouquet of various colorful flowers (yellow, purple, blue, pink) on a table, two scientists in white lab coats in a laboratory setting, and a close-up of green, feathery foliage. In the top right corner, a green circle contains the text "2012 Cut Flower Catalog".

2012
Cut Flower
Catalog

BaillSeed®



You're in a growing industry...
in more ways than one!
According to the California Cut
Flower Commission, nationwide
consumers purchase an
estimated \$17 billion of
floral items.

A bright bouquet is part of many special occasions – like birthdays, Valentine's Day and Mother's Day. But a recent consumer study showed that half of all fresh flower sales are for no occasion at all. I like to think my grandfather, George Ball, anticipated this trend (by 100 years!) when he started his business developing new varieties of sweet peas, asters and carnations. He knew, as I'm sure you do, that flowers make even the most ordinary day just a little more special.

Today, Ball Seed is still dedicated to your success as a cut flower grower. We join forces with the most innovative breeders and state-of-the-industry suppliers to make sure you always get the best cut flower plugs available anywhere. You'll meet two of our partners, Ball Tagawa Growers and Miyoshi, in the following pages – and I hope you'll come to think of them as your own partners.

Thanks for helping to make every day a special occasion!



Anna Caroline Ball

President & CEO – Ball Horticultural Company

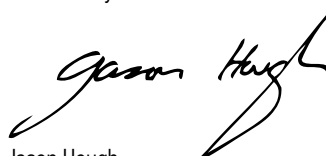


All of us at Ball Seed are pleased to bring you this new edition of our Cut Flowers catalog. You can see that we've been busy working with the best breeders and suppliers world-wide to redefine our line of cut flowers, from achillea to zinnia. Their ingenuity and efforts bring you exciting new varieties like Green Ball dianthus and exclusives like Waltz delphinium and Krallen asters. And, of course, you'll always find your favorites – Amazon dianthus, Katz matthiola, a great selection of snaps and lisianthus, and much more.

Whether you're an old friend of Ball Seed or just starting out with us, you can be assured of getting not only the finest product, but the most comprehensive customer service, in the industry. You'll partner with knowledgeable sales reps who understand cut flower varieties and culture and who can help you capture hot market opportunities.

Stay in touch – let us know what you think about our selection and service. Send your questions and comments to jhough@ballhort.com or call me at 630 234-8965. You can always find us on Facebook, too.

I hope this new catalog inspires you to try something different in your cut flower production. Don't be afraid to experiment – Ball Seed is right here to make sure you succeed!



Jason Hough

Director – North American Sales

On our front cover: Bombay Salmon Celosia, Assorted Cutflower Arrangement, Ball Controlled Growth™ Seed, Mary Ann and Robert in the Ball Premier Lab, NEW Green Ball Dianthus. Back cover: Miyoshi & Co. Ltd. Facility, WebTrack®, Ball Tagawa Growers Facility, Ageratum SpeedSeed Pelleted Seed, NEW Purple Twist Snapdragon.



NEW Ageratum Everest Blue



Ageratum Red Sea



Ammi Queen of Africa



Achillea Summer Pastels Mix



Amaranthus Hot Biscuits



Amaranthus Tower Green



Ammi Green Mist

ACHILLEA ●
A. millefolium

Summer Pastels Mix

Height: 18 to 24 in. (45 to 60 cm)
Spread: 36 in. (90 cm)
Heat and drought-tolerant variety produces tight umbels of lavender, purple, white, apricot, cream, rose and pink flowers from mid-Summer to Fall. Plants feature an upright habit and attractive dark green, fernlike foliage. Useful fresh or dried. *All-America Selections Winner.*

AGERATUM ●
A. houstonianum

New Everest Blue

Height: 26 in. (65 cm)
Spread: 8 to 12 in. (20 to 30 cm)
Available as Ball Premier Line® seed. A Kieft-Pro-Seeds product.
A true blue ageratum with sturdy stems, Everest Blue is a natural for mixed bouquets. Low-energy, shade-tolerant crop is suitable for greenhouse and outdoor production. Everest Blue can be pinched to produce uniform, sturdy stems and wider plant spread.

Red Sea

Height: 26 in. (65 cm)
Spread: 8 to 12 in. (20 to 30 cm)
Available as Ball Premier Line® seed. A Kieft-Pro-Seeds product.
The first red ageratum bred for cut flower use, Red Sea's flowers open bright red and darken to purple-red. Long-flowering variety has good vase life. Low-energy crop is ideal for greenhouse or outdoor programs, best for April to October sales.

AMARANTHUS ●
A. cruentus

Hot Biscuits

Height: 48 in. (1.2 m)
Spread: 8 in. (20 cm)
Heat-tolerant variety produces tall, warm orange-brown flower spikes that look great in Fall arrangements. Works well either fresh or dried.

Tower Series

Height: 40 to 48 in. (1 to 1.2 m)
Spread: 6 to 10 in. (15 to 25 cm)
Available as Ball Premier Line® seed. A Kieft-Pro-Seeds product.
Dense, towering flower spikes in striking colors work well fresh or dried in mixed bouquets. Fast-growing variety produces 85% or more useable stems.

- Green
- Red

AMMI ●
A. MAJUS

Queen of Africa

Height: up to 48 in. (1.2 m)
Spread: 8 to 12 in. (20 to 30 cm)
Specifically bred for professional cut flower use, these tall, white-flowering plants bear 6 to 8-in. (15 to 20-cm) lacy umbels. Queen of Africa is suitable for greenhouse or field production, and grows well in lower light conditions.

A. VISNAGA

Green Mist

Height: 24 to 48 in. (60 cm to 1.2 m)
Spread: 48 in. (1.2 m)
Summer-blooming variety presents large, lacy, pale green to white flower heads over feathery, fern-like foliage. Fresh or dried, Green Mist adds a unique touch to mixed bouquets.



Mona Lisa Mixture



Mona Lisa Bicolor Blue Shades



Mona Lisa Pink Blush



Mona Lisa Deep Blue



Mona Lisa Orchid Shades



Mona Lisa Bicolor Red



Mona Lisa Deep Red

ANEMONE 
A. coronaria

Mona Lisa™ Series

Height: 18 in. (45 cm)

Spread: 6 in. (15 cm)

A PanAmerican Seed Product.

Sturdy stems with curled foliage hold brilliant, 4 to 5-in. (10 to 13-cm) flowers, ideal for dramatic fresh arrangements. Economical cool-crop variety will flower under lower Winter light levels than other anemones and requires no staking, netting or disbudding. Suitable for greenhouse or field production.

- Bicolor Blue Shades
- Bicolor Red
- Deep Blue
- Deep Red
- Lavender Shades
- Orchid Shades
- Pink
- Pink Blush
- Scarlet With Eye
- Solid Scarlet
- White
- Wine Shades
- Mixture



Mona Lisa Lavender Shades



Mona Lisa Pink



Mona Lisa Scarlet With Eye



Mona Lisa Solid Scarlet



Mona Lisa White



Mona Lisa Wine Shades



Ball Premier Line® Seed

Seed quality is critical to your cut flower operation's success. Our line-up of Ball Premier Line Seed is developed to make your production more efficient and effective. From rapid, uniform germination to skip-free sowing, Ball Premier Line offers the best seed quality on the market.

High Energy Seed (HE)

Refined seed delivers improved germination and uniformity.

- Celosia
- Cosmos
- **New Gypsophila**

Plug Testing

All Ball Controlled Growth™ crops are also plug tested.

- Ageratum (PL)
- **New Campanula (MPL/PL)**
- Celosia (CT)
- Dianthus (PL)
- Gypsophila (MPL)
- Helichrysum (MPL)
- Lisianthus (PL)
- Poppy (Papaver) (GS)
- Snapdragon (PL)
- **New Zinnia (CT)**

SpeedSeed Coated Seed (CT)

Film-coated seed allows easier flow through seeders.

- **New Carthamus**
- Celosia
- Craspedia

Slick Seed (CT)

The slick coating ensures better "flowability."

- **New Gomphrena**
- Zinnia

Ball Vigor Index® Seed

Our patented plug testing method determines the vigor and uniformity of the crop.

- Ageratum (PL)
- Dianthus (PL)

Genesis® Seed (GS)

Primed seed germinates under a wider range of temperatures and delivers better uniformity.

- **Poppy (Papaver)**

Ball Controlled Growth™ Seed (BCG) ⚡

Every Ball Controlled Growth seed is treated with A-Rest® at the optimum rate for each lot. It's safe, sustainable, and saves you time and money while producing quality products.

Saves time: Skip your first PGR spray during the busy Spring season. The end result is a comparable crop time so you can keep the same crop schedule. **Saves money:** Skipping the first 1 to 2 PGR applications means saving labor and chemical costs. **Safe for the greenhouse:** You can enter your greenhouse at any time because A-Rest® is the safest PGR that activates at just the right time for maximum efficiency. You can also carry on with other treatments in your greenhouse without any effects. **Consistent results:** Ball Controlled Growth treatment rate is optimized for each seed lot without "averaging" so you see consistent results across every variety.

- Ageratum (PL)
- Dianthus (PL)
- Zinnia (CT)

A-REST is a registered trademark of SePRO Corporation.

SpeedSeed Pelleted Seed (PL)

Applying a uniform pellet for small seed items improves visibility and makes seeder pick-up easier.

- Ageratum
- Campanula
- Dianthus
- Lisianthus
- Snapdragon
- Trachelium

SpeedSeed Multi-Seed Pellets (MPL)

Eliminates the need to run trays through the seeder multiple times.

- Campanula (7 seeds)
- Gypsophila (13 seeds)
- Helichrysum (3-4 seeds)



NEW Hanna Deep Rose



NEW Hanna Pure Rose



NEW Hanna Purple



NEW Hanna Scarlet



NEW Hanna White



Krallen Kameo



Krallen Perser



Krallen Orient



NEW Matsumoto Red Striped



Matsumoto Apricot



Matsumoto Blue



Matsumoto Blue Tipped White



Matsumoto Pink



Matsumoto Rose



Matsumoto Scarlet

ASTER 🌼

Callistephus chinensis

New Hanna Series

Height: 31 in. (78 cm)

Spread: 7 to 8 in. (18 to 20 cm)

This new vintage-look series is fast becoming a favorite in the growing bouquet industry. Hanna's spray-type stem, small flower head and intense color make it an eye-catching filler; also beautiful in solid bunches. Hanna is suitable for cut flower greenhouse or field production.

- Deep Rose
- Pure Rose
- Purple
- Scarlet
- White

Krallen Series

Height: 31 in. (78 cm)

Spread: 7 to 8 in. (18 to 20 cm)

A Ball Seed Exclusive selection.

Versatile variety with large, showy flowers can be grown as a single stem or a spray. Krallen is beautiful in solid bunches and mixed bouquets, suitable for outdoor field or greenhouse production.

- Birma Off-white.
- Chinchilla Light pink.
- Golden
- Kameo Hot pink.
- Karthaus Dark purple.
- Lux Bicolor pink, light pink.
- Orient White.
- Perser Blue.
- Siam Bicolor lavender, white.
- Sorrel Hot pink.

Matsumoto Series

Height: 24 in. (60 cm)

Spread: 8 to 10 in. (20 to 25 cm)

Matsumoto produces spray-type flowers with large yellow eyes on long, strong stems. This hardy variety is Fusarium tolerant and has a long vase life.

- Apricot
- Blue
- Blue Tipped White
- Light Blue
- Pink
- Pink Tipped White
- Red
- New Red Striped Rich red flowers with occasional white petals.
- Rose
- Scarlet
- White
- Yellow
- Mix

Meteor™ Mix

Height: 30 to 40 in. (75 to 100 m)

Spread: 20 to 25 in. (50 to 60 cm)

A PanAmerican Seed product.

Meteor offers large 3.5 to 4-in. (9 to 10-cm) flowers on thick, long stems. Excellent vigor makes this variety ideal for both field and greenhouse production. Harvest when 2 to 3 flowers per stem have developed color.



Matsumoto White



Matsumoto Yellow



Serenade Blue

Serenade Series

Height: 30 in. (75 cm)

Spread: 7 to 8 in. (18 to 20 cm)

Early-blooming Serenade boasts masses of 1.25-in. (3-cm) semi-double flowers on a single stem. Spray-type habit makes it a perfect choice for full bouquets. Fusarium tolerant.

- Blue
- Blue White
- Deep Rose
- Red
- Rose
- Rose White
- Scarlet
- White
- Yellow
- Mix



Serenade Deep Rose



Serenade Rose



Serenade Rose White



Serenade Scarlet

Everything you see in this catalog – and more – is available 24/7 through WebTrackSM. Take the WebTrack tour at ballseed.com and see how you can work faster, easier and smarter!



Bupleurum Griffithi



Campanula Campana Pink



NEW Campanula Campana White



Campanula Campana Deep Blue



Campanula Campana Lilac



Carthamus Grenade Orange



Carthamus Grenade White



Carthamus Grenade Yellow

BUPLEURUM ●
Bupleurum rotundifolium

Griffiti

Height: 36 in. (90 cm)
Spread: 18 to 24 in. (45 to 60 cm)
Fashionable filler has masses of small yellow flowers over eucalyptus-like foliage. Griffiti is popular with florists for its long vase life.

CAMPANULA ●
C. medium

Campana F1 Series

Height: 28 to 32 in. (70 to 80 cm)
Spread: 5 in. (13 cm)
Available as Ball Premier Line[®] seed.
A Kieft-Pro-Seeds product.

Strong stems, good foliage and 100% top flowering make Campana stand out in any arrangement. Well-matched, uniform series is a low-energy crop for Summer and Winter production. Campana provides a higher percentage of harvestable plants than comparable varieties.

- Deep Blue
- Lilac
- Pink
- New White

CARTHAMUS ●
C. tinctorius (Safflower)

Grenade Series

Height: 32 to 40 in. (80 cm to 1 m)
Spread: 8 to 10 in. (20 to 25 cm)
New Now available as Ball Premier Line[®] coated seed.

A Kieft-Pro-Seeds product.

With its distinctive round flower buds and thornless leaves, Grenade livens up any arrangement. This unique variety flowers earlier than conventional strains, and is suitable for indoor and outdoor production. Can be used fresh or dried.

- Orange
- White
- Yellow



Celway Red



Celway Purple



Celway Salmon



Celway Lemon



Celway Orange



Celway Terracotta



Celway White



NEW Enterprise Dark Pink

CELOSIA

CELOSIA SPICATA (Wheat Celosia) ☀️

Celway™ Series

Height: 40 to 48 in. (1 to 1.2m)

Spread: 5 in. (13 cm)

Available as Ball Premier Line® Seed.

A Kieft-Pro-Seeds product.

Colorful, textured bouquet filler features a central spiky stem surrounded by smaller spikes, over small top leaves. Celway is high-yielding, programmable and perfect for high-density production in greenhouse, tunnel or field.

- Lemon
- Orange
- Purple
- Red
- Salmon
- Terracotta
- White

New Enterprise Series

Height: 40 to 48 in. (1 to 1.2m)

Spread: 5 in. (13 cm)

Available as Ball Premier Line® Seed.

A Kieft-Pro-Seeds product.

Bold series has colorful plumes that form a slender 6 to 8-in. (15 to 20 cm) spike, making it a standout in any floral arrangement. Production time is about 10 days longer than Bombay, but substantially shorter than other celosia varieties.

Enterprise holds its vivid color well, even in the vase.

- Dark Pink
- White
- Wine Red



NEW Enterprise White



NEW Enterprise Wine Red



NEW Bombay Bordeaux



NEW Bombay Candy



NEW Bombay Cherry



Spring Green



NEW Bombay Dark Red



Bombay Orange



Bombay Pink



Bombay Purple



Bombay Salmon



NEW Bombay Sunshine



Bombay Velvet



Bombay Yellow Gold



Bombay Fire Fidor



Bombay Fire Figo



Century Fire



Century Red



Bombay Fire Filemon



Bombay Fire Fiora



Bombay Fire Fire



Bombay Fire Firosa



Bombay Fire Fisal



NEW Bombay Fire Fivio



Century Yellow



Century Mix

C. CRISTATA (Cockscomb) 🌈

Bombay Series

Height: 28 to 40 in. (70 cm to 1 m)

Spread: 5 in. (13 cm)

A Kieft-Pro-Seeds product.

Bombay offers a wide range of appealing colors, ready to market 3 to 4 weeks faster than standard cut flower celosias. It also features better transportability, higher stress resistance and longer vase life – up to 3 weeks. Bombay produces large, comb-shaped flower heads on rounded stems, with no offshoot flowers. Ideal for economical, high-density programs.

Bombay classic colors:

- **New Bordeaux** A Ball Seed Exclusive selection.
- **New Candy Pink.**
- **New Cherry**
- **New Dark Red**
- **Orange**
- **Pink**
- **Purple**

- **Rose**
- **Salmon**
- **New Sunshine** Bright yellow.
- **Velvet**
- **Yellow Gold**

Bombay Fire colors (narrower with smaller leaves):

- **Fidor (Gold)** Golden bronze-orange comb, light pink neck.
- **Figo (Yellow)** Golden yellow comb, creamy white neck.
- **Filemon** A Ball Seed Exclusive selection. Lemon yellow.
- **Fiora (Orange Rose)** Orange comb, rose neck.
- **Fire** Deep red comb, purple-red neck.
- **Firosa (Rose)** Rose-pink comb, light pink neck.
- **Fisal (Salmon)** Salmon-rose comb, light pink neck.
- **New Fivio (Purple Rose)** Vivid violet.

Spring Green

Height: 40 to 48 in. (1 to 1.2 m)

Spread: 5 in. (13 cm)

Available as Ball Premier Line® seed.

A Kieft-Pro-Seeds product.

Eye-catching variety brings an unexpected – and long-lasting – touch of green to mixed bouquets. Spring Green produces a high percentage of saleable stems and ships well. It's suitable for higher-density plantings, with a short programmable cultivation period.

C. PLUMOSA (Feather) 🌈

Century Series

Height: 28 to 40 in. (70 cm to 1 m)

Spread: 10 in. (25 cm)

Extra early and easy to grow, Century's basal-branching plants produce lush, 13-in. (33-cm) plumes. Suitable for greenhouse, field or garden cut flower production.

- **Fire**
- **Red** Bronze foliage.
- **Rose**
- **Yellow**
- **Mix**



Cosmos Sensation Mix



Craspedia Drumstick



Delphinium Bellamosum



Delphinium Casa Blanca



NEW Delphinium Tango Dark Blue



NEW Delphinium Tango Light Blue



Delphinium Triton Dark Blue

COSMOS 🌻

Cosmos bipinnatus

Sensation Mix

Height: 48 in. (1.2 m)
Spread: 20 to 25 in. (50 to 65 cm)
 Sensation delivers a vibrant mix of 4-in. (10-cm) single flowers with yellow centers, accented by ferny foliage. Mix includes crimson, rose, pink, pink-crimson and white.

CRASPEDIA 🌻

Craspedia globosa

Drumstick

Height: 24 in. (60 cm)
Spread: 12 in. (30 cm)
Available as Ball Premier Line® seed.
 This hardy Australian native brings bright color and unique form to bouquets. Useful fresh or dried, the 1-in. (2.5 cm) globe-shaped golden yellow flowers are borne on long, leafless, wiry stems.

DELPHINIUM 🌻

D. x belladonna

Bellamosum

Height: 30 to 36 in. (75 to 90 cm)
Spread: 10 to 12 in. (25 to 30 cm)
 Brilliant, deep blue blooms are an excellent cut flower on their own and add drama to fresh bouquets. Bellamosum has an upright habit and is heavily branched.

Casa Blanca

Height: 42 in. (1.1 m)
Spread: 10 to 12 in. (25 to 30 cm)
A Kieft-Pro-Seeds product.
 Airy, white belladonna-type delphinium contains a small percentage of pale blue flowers. Suitable for greenhouse or field production. Casa Blanca can be grown year-round in coastal or mild Winter regions.

New Tango Series

Height: 42 in. (1.1 m)
Spread: 10 to 12 in. (25 to 30 cm)
 Highly programmable, profitable series features solid blue, double blooms evenly arranged on strong stems. Tango is great for monochromatic bunches or in mixed arrangements. Suitable for cut flower greenhouse or field production.

- Dark Blue
- Light Blue

Triton F1 Series

Height: 48 in. (1.2 m)
Spread: 6 in. (15 cm)
 Easy to program and easy to sell, Triton features large, slender spikes, tightly packed with true blue, semi-double blooms. This very uniform series is suitable for greenhouse or field production.

- Dark Blue
- Light Blue



Delphinium Triton Light Blue



Waltz Star



Waltz Sea



Waltz Sky



Guardian Blue



Guardian Lavender



Guardian White Improved

DELPHINIUM continued

Waltz Series

Height: 42 in. (1.1 m)
Spread: 10 to 12 in. (25 to 30 cm)
 Reliable, easy to program and easy to sell, the Waltz series features solid, striking blue flowers on tall, sturdy stems. This variety re-shoots at the base of the plant after first cut and can continuously crop for up to 2 years.

- **Ocean** Vibrant blue flowers well spaced on spikes.
- **Sea** Deep Blue.
- **Sky** Mid Blue.
- **Star** Attractive dark blue petals contrasting with large white bee.

D. ELATUM

Guardian F1 Series

Height: 30 to 39 in. (75 cm to 1m)
Spread: 10 to 12 in. (25 to 30 cm)
A PanAmerican Seed product.
 Very uniform and highly programmable, Guardian blooms under short days – up to 6 weeks earlier than open-pollinated types. This breeding breakthrough features excellent stem quality and tight, narrow flower spikes that are great for shipping.

- **Blue**
- **Lavender**
- **White Improved**
- **Mix**



Magic Fountains
Cherry Blossom/White Bee



Magic Fountains
Lilac Pink/White Bee



Magic Fountains
Dark Blue/White Bee



Magic Fountains
Pure White/White Bee



Magic Fountains Lilac Pink/White Bee



Pacific Giants Summer Skies



Magic Fountains Dark Blue/Dark Bee



Magic Fountains
Sky Blue/White Bee



Pacific Giants Astolat



Pacific Giants Black Knight



Magic Fountains Lavender/White Bee



Magic Fountains White/Dark Bee



Pacific Giants Blue Bird



Pacific Giants Blue Jay

Magic Fountains Series

Height: 24 to 36 in. (60 to 90 cm)
Spread: 24 to 36 in. (60 to 90 cm)
Compact, full-flowered series with deep-cut green leaves makes striking arrangements in monochromatic bunches or mixed bouquets. Short, thick stems require no staking. Blooms early to mid-summer.

- **Cherry Blossom/White Bee**
- **Dark Blue/White Bee**
- **Dark Blue/Dark Bee**
- **Lavender/White Bee**
- **Lilac Pink/White Bee**
- **Mid Blue/White Bee**
- **Pure White/White Bee**
- **Sky Blue/White Bee**
- **White/Dark Bee**
- **Crystal Mix** White bee varieties only.
- **Mix**

Pacific Giants Series

Height: 4.5 to 6 ft. (1.4 to 1.8 m)
Spread: 10 to 12 in. (25 to 30 cm)
This stately variety produces stunning flower spikes with large, semi-double blooms — lots of them! All Pacific Giants plants have white bees, except Blue Jay, Black Knight and Percival, which have black bees.

- **Astolat** Bluish pink shades with darker tones. Can show both creamy white and dark bees.
- **Black Knight** Dark blue.
- **Blue Bird** Mid-blue.
- **Blue Jay** Medium blue.
- **Cameliard** Lavender-rose.
- **Galahad** Pure white.
- **Guinevere** Lavender-pink.
- **King Arthur** Royal violet.
- **Percival** White.
- **Summer Skies** Light blue.
- **Round Table Mix** All of the series colors.



Pacific Giants Cameliard



Pacific Giants Galahad



Pacific Giants Guinevere



Pacific Giants King Arthur



Pacific Giants Percival



Pacific Giants
Summer Skies

Here's where it all begins.

From new twists on traditional favorites to exciting novelty varieties, Miyoshi & Co., Ltd. infuses the cut flower industry with innovation and ingenuity. Breeding breakthroughs like their double-flowered Tango Delphinium and unique Green Ball Dianthus – featured in this catalog on pages 9 and 13 – keep your business growing strong.

Since joining forces with Miyoshi in 1997, Ball Seed is proud to bring the best in cut flower genetics from Japan to your greenhouse. This partnership gives you:

- Easy 24/7 access to top-quality limonium, delphinium, asters and more.
- Striking new varieties to expand your production.
- A continuously evolving selection of popular F₁ varieties.
- Exclusive, one-of-a-kind varieties like Green Ball Dianthus.
- More choices, higher yields and greater profits.



Amazon Neon Duo



Amazon Rose Magic



Amazon Neon Cherry



Amazon Neon Purple



NEW Green Ball

From the finest genetics to the highest quality young plants, Ball Seed ensures your success every step of the way!

DIANTHUS 🌼

D. BARBATUS INTERSPECIFIC

Amazon F1 Series

Height: 18 to 24 in. (45 to 60 cm); finishes at 36 in. (90 cm) tall as a Winter greenhouse-grown crop.

Spread: 10 to 12 in. (25 to 30 cm)

Available as Ball Premier Line® seed and Ball Vigor Index® seed.

A PanAmerican seed product.

Vibrant, serrated blooms on strong stems are accented by very dark green, glossy foliage. This interspecific series shows outstanding heat tolerance and produces a high yield of saleable stems. No vernalization is required for flowering.

- **Neon Cherry**
- **Neon Duo** 50:50 mix of Neon Cherry and Neon Purple on separate plants.
- **Neon Purple**
- **Rose Magic** Each bloom starts white, ages to pink, then deep rose. Shows the full color range on one flower head.

New Green Ball

Height: 28 in. (70 cm)

Spread: 4 in. (10 cm)

Crop time from sow: 21 weeks

You've never seen this color and texture in a dianthus before! Perfectly round green flower head grows to 3 in. (7.5 cm) wide on strong stems with dark, glossy leaves. Green Ball is suitable for greenhouse production, versatile in all seasons.

D. BARBATUS

Sweet F1 Series

Height: 18 to 36 in. (45 to 90 cm) for field grown; taller for early Fall-transplanted, greenhouse-grown plants.

Spread: 10 to 12 in. (25 to 30 cm)

Available as Ball Premier Line® and Ball Vigor Index® seed.

A PanAmerican Seed product.

The first professional cut flower series offered in separate colors, Sweet requires no vernalization for first-year flowering.

This year-round series tolerates both heat and frost, producing high yields of saleable stems that make excellent bouquet fillers. Long-lasting, fragrant blooms are available in five bright solid colors and a mix.

- **Coral** Royal Horticultural Society Award of Garden Merit.
- **Purple**
- **Red**
- **Scarlet** Deep scarlet; 3 to 5 days later to flower than others in the series. Royal Horticultural Society Award of Garden Merit.
- **White** Royal Horticultural Society Award of Garden Merit.
- **Mix**



Sweet Mix



Sweet Coral



Sweet Purple



Sweet Red



Sweet Scarlet



Eryngium Blue Glitter



NEW Eryngium Metallic Star



NEW Eryngium Serina



Euphorbia Kilimanjaro



Godetia Grace Mix



NEW Gypsophila Mirabella

ERYNGIUM ●

E. planum

Blue Glitter

Height: 26 to 32 in. (65 to 80 cm)

Spread: 15 in. (38 cm)

Blue Glitter delivers high yields of dense, pin cushion-like flowers on tall, strong, silver-blue stems with dark green leaves. This unusual, easy-care variety is very heat tolerant and has a good vase life.

New Metallic Star

Height: 31 in. (78 cm)

Spread: 8 to 9 in. (20 to 23 cm)

Similar in habit to Serina, Metallic Star offers a profusion of spiky, medium blue flowers on strong stems.

New Serina

Height: 31 in. (78 cm)

Spread: 8 to 9 in. (20 to 23 cm)

Hard, upright stems bear numerous light blue flowers with good volume. Suitable for growing in cool regions.

EUPHORBIA ●

(Snow on the mountain)

E. marginata

Kilimanjaro

Height: 36 in. (90 cm)

Spread: 8 to 10. (20 to 25 cm)

A Kieft-Pro-Seeds product.

Pure white bracts on green foliage make Kilimanjaro a popular filler in mixed bouquets. Strong, tall stems have short side branches just below the bracts. Early variety is good for both greenhouse and outdoor production.

EUSTOMA

See Lisianthus.

GODETIA F1 ●

G. whitney/Carkia amoena

Grace Mix

Height: 30 in. (75 cm)

Spread: 10 to 12 in. (20 to 30 cm)

Rosy mix of 2-in. (5-cm) flowers adds warmth to any bouquet. This highly productive variety yields up to 15 strong stems per plant.

GOMPHRENA ●

G. haageana

QIS Series

Height: 24 to 26 in. (60 to 70 cm)

Spread: 8 to 10 in. (20 to 25 cm)

Supplied as clean seed.

A Kieft-Pro-Seeds product.

This first-class professional cut flower series produces large, 1 to 1.5-in. (2.5 to 3.5-cm) flowers that brighten any bouquet. Uniform stem length and long vase life – more than 14 days – make these a favorite of florists for fresh and dried arrangements. Suitable for greenhouse and outdoor production.

- Carmine
- New Lilac
- Orange
- Red
- New Mix

GYPHOPHILA ●

G. elegans

New Mirabella

Height: 28 in. (70 cm)

Spread: 9 in. (23 cm)

Bred for sustainability as well as beauty, snow-white Mirabella needs no additional lighting to flower and requires fewer pesticides for healthy growth. Also, its upright plant structure features long internodes to prevent tangling and reduce flower loss in packing. Suitable for greenhouse or field production.



Gompfrena QIS Orange



Gompfrena QIS Carmine



Gompfrena QIS Red



NEW Hypericum
Spirit Pearls Green



NEW Hypericum
Spirit Pearls Red



NEW Hypericum
Spirit Pearls Red Pink



NEW Hypericum
Spirit Pearls Red Orange



Helichrysum King Orange



Helichrysum King Red



Helichrysum King Rose



Helichrysum King Silvery White

HELICHRYSUM 🟡
H. bracteatum (Strawflower)

King Series

Height: 36 in. (90 cm)
Spread: 8 to 12 in. (20 to 30 cm)
King's extra-large, crisp-textured flowers bring a burst of color to fresh and dried arrangements. This popular variety is heat and drought-resistant.

- Orange
- Red
- Rose
- Silvery White
- Yellow
- Mix

HYPERICUM 🟡🟢
H. cerastoides

New Spirit Pearls Series

Height: 28 in. (70 cm)
Spread: 6 in. (15 cm)
Versatile new series offers brightly colored berries, accented by shiny, dark green leaves. Strong, upright stems and eye-catching berries make unique solid bunches and add visual interest to mixed bouquets. This rust-resistant variety is suitable for cool greenhouse or field production.

- Green
- Red
- Red Orange
- Red Pink

LARKSPUR 🟡
Consolida ambigua

Giant Imperial Mix

Height: 36 to 48 in. (75 cm to 1.2 m)
Spread: 12 to 15 in. (30 to 38 cm)
Strong, upright stems hold high-quality flowers in a vibrant mix of popular colors. Fresh or dried, Giant Imperial is an elegant addition to mixed arrangements.

LIMONIUM 🟡
Limonium sinensis

Twinkle Series

Height: 25 in. (63 cm)
Spread: 12 in. (30 cm)
This essential filler features lavishly colored calyxes, contrasted with yellow florets for a touch of light and texture. Highly productive plants yield many flushes of non-fragranced flowers, firmly packed on strong stems. Suitable for cut flower or field production.

- **New Ever Cute**
- **New Ever Macaroon**
- **New Light Pink Cherry**
- **Wine** Dark hot pink with yellow florets.



NEW Limonium
Twinkle Ever Cute



NEW Limonium
Twinkle Ever Macaroon



NEW Limonium
Twinkle Light Pink Cherry



Limonium Twinkle Wine



ABC 2-2 Purple

Cut Flower Lisianthus Seasonality Number Guide

The first number, "Speed Guide," tells whether the variety is faster or slower to flower. The second number, "Versatility Guide," indicates whether the variety can be grown over a longer or shorter flowering period.

		FLOWERING PERIOD			
		Winter	Spring	Summer	Autumn
SEASONALITY NUMBER	1-1				
	1-2				
			1-3		
			2-2		
			2-3		
				2-4	
			3-3		3-3
				3-4	
				4-4	

Indicates the standard flowering period of a variety.
 Indicates extended flowering period options (extension of flowering period is possible depending on local temperature, daylight and light intensity).

LISIANTHUS F1 *Eustoma grandiflorum* (Texas Blue Bell)
All lisianthus seed is supplied pelleted.

DOUBLE-FLOWERED TYPE

ABC Series F1
Height: 36 to 45 in. (90 to 115 cm)
Available as Ball Premier Line® seed. A PanAmerican Seed product.

The appeal of this popular variety is as simple as its name. ABC features outstanding double flowers with high petal counts, in a wide range of colors. Uniform plants finish one to two weeks earlier than comparable varieties, with reduced sensitivity to rosetting. "Seasonality numbers" listed at left make it easy to choose suitable varieties for specific climatic conditions throughout the year.

- 1-1 Rose Rim
- 1-2 Deep Rose
- 1-3 Green
- 1-3 Misty Blue
- 1-3 Purple
- 1-3 White
- 1-3 Yellow
- 2-2 Purple
- 2-3 Blue
- 2-3 Blue Bush
- 2-3 Blue Rim

Continued on page 18.



ABC 1-1 Rose Rim



ABC 1-2 Deep Rose



ABC 1-3 Misty Blue



ABC 1-3 Green



ABC 1-3 Purple



ABC 1-3 White



ABC 1-3 Yellow



ABC 2-2 Purple



ABC 2-3 Blue



ABC 2-3 Blue Blush



ABC 2-3 Blue Rim



ABC 2-3 Green



ABC 2-3 Lavender



ABC 2-3 Misty Blue



ABC 2-3 Misty Pink



ABC 2-3 Rose



ABC 2-4 Yellow Improved



ABC 3-4 Purple



ABC 3-4 Rose



ABC 3-4 White

ABC Series F1 continued

- 2-3 Green
- 2-3 Lavender
- 2-3 Misty Blue
- 2-3 Misty Pink
- 2-3 Rose
- 2-4 Yellow Improved
- 3-4 Purple
- 3-4 Rose
- 3-4 White



Advantage Cherry Sorbet



Echo Yellow



Echo Blue



Echo Pink

Advantage Series F1

Height: 28 to 32 in. (70 to 80 cm)
Mid-early series produces a large number of well-shaped double flowers with good stem length and quality, making it ideal for bouquets.

- Cherry Sorbet
- Lemon

Echo Series F1

Height: 24 to 36 in. (60 to 90 cm)
Available as Ball Premier Line® seed.
Echo features heavy, fully double blooms on thick, strong stems.

- Blue
- Champagne Peach center, rose edges.
- Lavender
- Pink
- Pink Picotee
- Pure White
- Yellow



Echo Lavender



Echo Champagne



Echo Pure White



Mariachi Blue



Mariachi Carmine



Mariachi Grande White



Mariachi Lavender



Mariachi Lilac Picotee



Mariachi Lime Green

LISIANTHUS continued

Mariachi Series F1

Height: 20 to 36 in. (50 to 90 cm)

Available as Ball Premier Line® seed.

This premium variety offers full, 3 to 3.5-in (7 to 9-cm) cm flowers on long, sturdy stems.

- **Blue**
- **Carmine** Rich carmine rose red.
- **Grande White** Taller than original.
- **Lavender**
- **Lilac Picotee**
- **Lime Green**
- **Misty Blue**
- **Misty Pink**
- **Pink**
- **Pink Picotee**
- **Pure White**
- **Yellow**



Mariachi Misty Blue



Mariachi Misty Pink



Mariachi Pink



Mariachi Pink Picotee



Mariachi Pure White



Mariachi Yellow

Create a complete cut flower program from one reliable source – Ball Seed has all your favorites and exciting new varieties!



NEW Katz Purple



NEW Katz Crimson



Katz Apricot



Katz Bright Rose



Katz Cherry Blossom



Katz Lavender Blue



Katz Light Lavender



Katz Pink



Katz White



Katz Yellow

MATTHIOLA (STOCK) 🌻
Matthiola incana

FIELD-GROWN TYPE

Column Series (Non-Selectable)

Height: 24 to 30 in. (60 to 75 cm)
Single-stemmed florist-type stock features dense spikes stacked with large, closely spaced double blooms.

- **Appleblossom**
- **Avalanche** Pure white.
- **No. 22 Ball Supreme** Rose.
- **No. 24 Deep Apricot**
- **No. 1 Lilac Lavender**
- **Malmaison Pink** Pastel salmon-pink.
- **Miracle Blue** Mid-blue.
- **Miracle Crimson**
- **Miracle White**
- **Miracle Yellow**
- **No. 21 Purple Heart**
- **No. 8 Ruby**
- **Sweetheart Pink**

EXTRA-EARLY FLOWERING TUNNEL OR FIELD-GROWN TYPE

Katz Series

Stem length: 32 in. (80 cm)

A PanAmerican Seed product.

This versatile series delivers a shorter crop time, better uniformity and timing, and higher heat tolerance than traditional field-type stocks. Katz can be grown earlier and later in the season, even allowing for sales from Christmas through Valentine's Day in some climates. Katz features amazingly full, fragrant flower spikes with about 55 to 60% double-flowering (some selectability possible).

- **Apricot**
- **Bright Rose**
- **Cherry Blossom**
- **New Crimson**
- **Lavender Blue**
- **Light Lavender**
- **Pink**
- **New Purple**
- **White**
- **Yellow**



Chanter Lavender



Spray Stock Blue



Chanter Cherry



Chanter Pink



Spray Stock Cherry



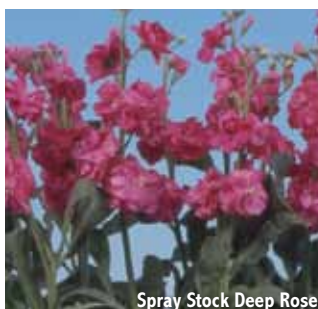
Spray Stock Cool Pink



Chanter White



Chanter Yellow



Spray Stock Deep Rose



Spray Stock Fantasy

SPRAY STOCK EXTRA-EARLY FLOWERING
TUNNEL TYPE

Chanter Series

Stem length: 32 in. (80 cm)

Spray stock series features a branching habit with brightly colored, sweetly scented blossoms on top. So fully flowered, one single stem can make a bouquet on its own.

- Blue
- Cherry
- Lavender
- Pink
- Pure White
- Red
- White
- Yellow

Spray Stock Series

Height: 26 to 28 in. (65-70 cm)

Full-flowering variety in a wide range of popular colors has outstanding scent and branching habit with flowers blooming on top.

- Apricot
- Blue
- Cherry
- Cool Pink
- Deep Rose
- Fantasy
- Lavender
- Light Pink
- Lovely
- Marine
- Pink
- Purple
- Rose
- Sunset
- White
- Yellow



Spray Stock Lovely



Spray Stock Marine



Spray Stock Red



Spray Stock Sunset

20 years of excellence... from a simple handshake

With just a handshake agreement, Ball Seed and Tagawa Greenhouses sealed their partnership and launched a mutual vision for excellence in the cut flower industry. Since then, Ball Tagawa Growers in Arroyo Grande, California, has served West Coast cut flower growers as a dedicated plug producer, providing a diverse line of young plants, affordable shipping options and outstanding customer service.

You can trust Ball Tagawa's reputation as the leading cut flower plug and liner producer in the country. Ball Tagawa sources their cut flower varieties from breeders around the globe, ensuring the best genetics for their plug production. And their commitment to innovation means they're always looking for new and exciting plants to offer you.

Ball Tagawa's goal of making a smaller environmental impact led to their being the first bedding plant company to earn Veriflora® certification. Today, they have also earned Veriflora certification for fresh cut flowers and potted plants.



Molucella Bells of Ireland



Ornamental Kale Crane Bicolour



Ornamental Kale Crane Pink



Ornamental Kale Crane Red



Ornamental Kale Crane Rose



Ornamental Kale Crane White



Ornamental Kale Lucir Rose



Ornamental Kale Lucir White

MOLUCELLA ●●
Molucella laevis

Bells of Ireland

Height: 24 to 32 in. (60 to 80 cm)

Spread: 8 to 10 in. (20 to 25 cm)

This popular variety is known for its unique spires of green, bell-shaped blooms, beautiful fresh or dried in mixed bouquets. Remove the small, hand-shaped leaves after cutting for maximum ornamental value.

ORNAMENTAL KALE ●
Brassica oleracea

Crane F₁ Series

Height: 24 to 28 in. (60 to 70 cm)

Unusual and appealing in bouquets, Crane produces tight, colorful 6-in. (15-cm) flower heads that resemble large roses. Growers can modify the flower size by adjusting the density of the crop. This long-stemmed variety boasts high uniformity and long vase life.

• **Bicolour** Creamy white with rose center; green outer petals.

• **Pink** Lighter color than Rose.

• **Red**

• **Rose**

• **White**

Lucir F₁ Series

Height: Varies by variety.

Glossy, waxless leaves show off the color contrast between the leaf and center to maximum advantage. Long-lasting variety with tall single stems is ideal for arrangements.

• **Rose (Red)** 25 to 30 in. (63 to 75 cm) tall.

• **White** 30 to 35 in. (75 to 88 cm) tall.

POPPY ●
P. naudicale (Iceland Poppy)

Champagne Bubbles Series

Height: 15 in. (40 cm)

Spread: 6 in. (15 cm)

A Kieft-Pro-Seeds product.

Vigorous series delivers early, uniform flowering with large, cup-shaped blooms on bushy, strong-stemmed plants. All colors and mixes perform well in hot-day, cool-night conditions. Champagne Bubbles is a good Winter crop in Florida, California and comparable climates.

• **Orange**

• **Pink**

• **Scarlet** Scarlet-orange with some scarlet-rose-pink shades.

• **White**

• **Yellow**

• **Citrus Mix** Orange, Yellow and White.

• **Mix** Includes all colors.



Poppy Champagne Bubbles Mix



Apollo Cinnamon



Apollo Ivory



NEW Axiom Yellow Improved



Axiom Mix



Axiom Bronze



Apollo Purple



Apollo Yellow



Axiom Deep Orange



Axiom Deep Rose



Axiom Orange



Calima Deep Rose



Calima Ivory White



Axiom Paper White



Axiom Pink



Axiom Rose



Calima Pink



Calima Yellow

SNAPDRAGON ☀
Antirrhinum majus

Stem length: 39 to 60 in. (1 to 1.5 m)

Group 1, 2 Cool, Maryland or Overture II series, Purple Twist, Trumpet Tangerine for late Fall, Winter and early Spring harvest.

Group 2, 3 Apollo, Monaco, Paxia or Calima series for Fall and Spring harvest.

Group 3, 4 Axiom, Potomac, Early Potomac, Opus or Calima series for late Spring, Summer and early Fall harvest.

Apollo Series

A PanAmerican Seed product.

(Group 2, 3) Open-faced flowers of superb quality feature some of the largest florets of any snapdragon, perfectly arranged along medium-length spikes. Apollo also surpasses many varieties in stem thickness, height and number of blossoms.

- Cinnamon
- Ivory
- Purple
- Yellow

Axiom Series

A PanAmerican Seed product.

(Group 3, 4) Strong upright habit, good stem quality and densely packed florets make these snaps a florist favorite.

- Bronze
- Deep Orange
- Deep Rose
- Orange
- Paper White
- Pink
- Rose
- White
- New Yellow Improved
- Mix

Calima Series

(Group 3) Bred for high light, long days and warm temperatures, this early-flowering series has large, 6-in. (15-cm) flower spikes and good harvest length.

- Deep Rose
- Ivory White
- Pink
- Pure White
- Yellow

Series Selection for Creating a High-Quality Year-Round Snapdragon Program

Group	Growing-On Night Temperatures	Series
1,2	45 to 55°F/7 to 13°C for late Fall, Winter and early Spring harvest	Cool, Maryland, Overture II, Purple Twist, Trumpet Tangerine
2,3	52 to 57°F/11 to 14°C for Fall and Spring harvest	Apollo, Calima, Monaco, Paxia
3,4	60°F/15°C for late Spring, Summer and early Fall harvest	Axiom, Potomac, Early Potomac, Opus



Cool Orange Bicolor



Cool Bronze



Cool Coral



Cool Crimson



Cool Pink



Cool Rose



Cool Salmon



Cool White



Cool Yellow



NEW Maryland Orange



Maryland Appleblossom



Maryland Crimson



Maryland Dark Red



Maryland Flame



Maryland Golden Bronze



Maryland Lavender



Maryland Plumblossom



Maryland Red



Maryland Royal



Maryland True Pink

Cool Series

Available as Ball Premier Line® seed.

A PanAmerican Seed product.

(Group 1, 2) This Winter-flowering series of genetically matched varieties is exceptionally uniform in timing, height and spike quality. Full, tapered flower spikes hold an abundance of blooms on sturdy stems. As its name suggests, Cool is best produced under cool conditions and yields a dependable harvest in cool months. Cool is well-suited to outdoor production or growing under tunnels in California Winter conditions.

- **Bronze** Gold face with pink tube.
- **Coral** Unique rich, bronzy-rose.
- **Crimson**
- **Orange Bicolor** Orange with yellow bee and white tube.
- **Pink**
- **Rose**
- **Salmon**
- **White**
- **Yellow**

Maryland Series

Available as Ball Premier Line® seed.

A PanAmerican Seed product.

(Group 1, 2) Energy-efficient series flourishes in cool-season, low-light, low-temperature conditions. Long, narrow, well-defined flower spikes on sturdy, clean stems add great verticality to mixed arrangements. Maryland also has excellent shatter tolerance.

- **Appleblossom**
- **Bright Yellow**
- **Crimson**
- **Dark Orange**
- **Dark Red**
- **Flame**
- **Flamingo** Coral rose.
- **Golden Bronze**
- **Ivory White**
- **Lavender**

- **New Orange**
- **Plumblossom** White with light purple.
- **Red** More intense true red color than Dark Red or Crimson.
- **Royal**
- **Shell Pink** Clear pink with white tube.
- **True Pink**
- **White**
- **White & Yellow Bicolour**
- **Yosemite Pink** Darker than True Pink.



Maryland Shell Pink



Maryland White



Maryland White & Yellow Bicolor



Monaco Baltimore Rose



Monaco White



Opus Lavender III



Opus Appleblossom III/IV



Opus Early Bronze III



Opus Fresh White IV



Monaco Red



Monaco Rose



Opus Pink III



Opus Plumblossom III/IV



Monaco Violet



Monaco Yellow



Opus Red III/IV



Opus Rose III/IV



Overture II Orange



Overture II Light Pink



Overture II Magenta



Overture II Rose



Overture II White

SNAPDRAGON continued

Monaco Series

Available as Ball Premier Line® seed. A PanAmerican Seed product.

(Group 2, 3) The best choice for Summer transition into Fall, Monaco is suitable for greenhouse or field production. Monaco tolerates warm Fall conditions without flowering too quickly, and produces high-quality flower spikes when Fall weather is unusually cool and dark. The series performs well all year in areas with moderate temperatures and little daylength fluctuation. Striking in solid bunches, Monaco also lends a spiky, vertical look to mixed bouquets.

- **Baltimore Rose** Deep rose.
- **Red** Heavily scented, deep wine red.
- **Rose** Deep rose.
- **Violet**
- **White**
- **Yellow** Deep yellow.

Opus Series

Available as Ball Premier Line® seed.

(Group 3, 4) Late Spring to early Fall-flowering snap features lightly fragranced, tightly spaced florets with superior stem length and caliper.

- **Appleblossom III/IV**
- **Early Bronze III**
- **Early Pink III/IV**
- **Early White III**
- **Fresh White IV**
- **Ivory III**
- **Lavender III**
- **Pink III**
- **Plumblossom III/IV**
- **Red III/IV**
- **Rose III/IV**
- **White III/IV**
- **Yellow III**

Overture II Series

(Group 2) Winter-flowering varieties have large clusters of tightly spaced florets, excellent stem length and caliper and good uniformity across the series.

- **Ivory**
- **Light Bronze**
- **Light Pink**
- **Magenta**
- **Orange**
- **Pink**
- **Plumblossom**
- **Red**
- **Rose**
- **Rose Magenta**
- **White**
- **Yellow**



Paxia Candy Rose



Early Potomac Early Rose



Paxia Bronze



Paxia Orange



Early Potomac Early Orange



Early Potomac Early Pink



Early Potomac Early White



Early Potomac Early Yellow

Paxia Series

A PanAmerican Seed product. (Group 2, 3) Suited to Fall and Spring harvest, this series boasts excellent uniformity and high-quality stems. Performs well in long and short days.

- Bronze
- Candy Rose
- Orange
- Rose
- Scarlet
- White
- New Yellow Improved

Early Potomac Series

Available as Ball Premier Line® seed. A PanAmerican Seed product. (Group 3) Versatile series is an ideal choice for all but the warmest periods, when the Potomac Series should be used. Suitable for greenhouse or field production, Early Potomac has very high-quality, long stems and strong, medium-long spikes with large, plump buds.

- Early Orange Light golden bronze.
- Early Pink
- Early Rose
- Early White
- Early Yellow



Paxia Rose



Paxia Scarlet



Paxia White



NEW PaxiaYellow Improved



Potomac Appleblossom



Potomac Dark Orange



NEW Purple Twist



Potomac Cherry Rose



Potomac Crimson



Potomac Ivory White



Potomac Orange



Potomac Pink



Potomac Plumblossom



Potomac Red



Potomac Royal



Potomac White



Trumpet Tangerine



Potomac Yellow

SNAPDRAGON continued

Potomac Series

Available as Ball Premier Line® seed. A PanAmerican Seed product.

(Group 3, 4) An excellent choice for high light, long days and warm temperatures, Potomac offers outstanding color, flower quality and shatter resistance. Tall, clean stems hold long, well-defined spikes. This series can be grown year round in greenhouse or field production.

- **Appleblossom** White and rose bicolor.
- **Cherry Rose**
- **Crimson**
- **Dark Orange**
- **Ivory White** White with yellow bee.
- **Orange**
- **Pink**
- **Plumblossom** White blooms, purple "nose".
- **Red**
- **Rose**
- **Royal Purple**.
- **Soft Yellow**
- **White**
- **Yellow**

New Purple Twist

A PanAmerican Seed product.

(Group 2) Novelty color adds a new twist to traditional snapdragon programs. Slightly fragrant flowers have an unusual purple and white striped pattern that varies according to the growing environment. Warmer greenhouse conditions produce more prominent white stripes; cool outside/tunnel conditions produce denser purple stripes. Produce Purple Twist under short days and moderate light conditions – a good companion crop to the Maryland series.

Trumpet Tangerine

A PanAmerican Seed product.

(Group 1, 2) Unique, open-faced "trumpet" florets bring an all-new look to cut snapdragons. Trumpet Tangerine boasts thicker, taller stems and more blooms than comparable varieties, making it a premium choice of florists. Medium-long spikes hold very large, well-spaced, frosty bronze bicolor flowers. Good flower retention ensures excellent shipability.



Fortress Mix



Pastel Shades Mix



QIS Mix



QIS Soft Pastel Shades



QIS Apricot



QIS Dark Blue

STATICE 
L. sinuatum

Fortress™ Mix

Height: 24 to 30 in. (60 to 75 cm)

Spread: 12 in. (30 cm)

A Kieft-Pro-Seeds product.

With clusters of bright, papery flowers atop long, sturdy stems, Fortress Mix is one of the most popular choices for fresh and dried flower production. Mix includes a range of warm and cool colors, plus white. Tolerates heat and drought.

Pastel Shades Mix

Height: 28 to 32 in. (70 to 80 cm)

Spread: 24 to 30 in. (60 to 75 cm)

Cool color assortment includes light blue, lavender, rose pink, soft pink and white.

QIS Series

Height: 30 to 35 in. (75 to 90 cm)

Spread: 8 to 10 in. (20 to 25 cm)

A Kieft-Pro-Seeds product.

This "Quality in Seed" series stands head and shoulders over standard varieties in uniformity, color, flower size and stem quality. Clouds of tiny, non-shattering flowers deliver good shipability and long vase life. Suitable for greenhouse and field production.

- **Apricot**
- **Dark Blue**
- **Lavender**
- **Pale Blue**
- **Rose**
- **Soft pastel shades**
- **Swan Lake** Pure white.
- **White**
- **Yellow**
- **Mix**



QIS Lavender



QIS Rose



QIS White



QIS Yellow

Our innovative breeder and supplier partners keep the hottest new varieties coming your way!



NEW Market Maya Gold



NEW Market Tavor Double



NEW Market Tavor Lemon



Market Galilee Orange



Market Tavor Flash Bicolor



Market Tavor Joy Orange

SUNFLOWER 🌻
Helianthus annuus

Market Series

Height: 4 to 6 ft. (1.2 to 1.8 m)
A Ball Seed Exclusive selection.
Vigorous series produces non-branching plants topped by dark-disked, pollenless flowers with very long vase life.

- Carmel Yellow
- Galilee Orange
- New Maya Gold
- Omri Orange
- New Tavor Double 100% double, golden yellow.
- Tavor Flash Bicolor
- Tavor Joy Orange
- New Tavor Lemon

SWEET PEA 🌻
Lathyrus odoratus

Mammoth Mix

Height: 18 to 24 in. (45 to 60 cm)
Extra-early variety has extra-large flowers on long stems. Vigorous and heat tolerant, Mammoth Mix produces a wide range of stunning colors well into summer.



Lake Forest Pink



Lake Forest Blue



Lake Forest Purple



Lake Forest White



Lake Louise Blue



Lake Louise Purple

TRACHELIUM 
T. caeruleum

Lake Collection

Height: 30 to 42 in. (75 to 105 cm)

Available as Ball Premier Line® seed.

A PanAmerican Seed product.

Three distinct series provide easy ordering and production to fill year-round Trachelium orders. This elegant filler produces mildly scented, lacy flowers in a wide range of colors. Lake varieties require 16 to 18 hours of daylength to flower and produce the distinctive large central umbel and "satellites". All varieties in the collection ship well and have excellent vase life. Foliage is medium green unless otherwise noted. The collection is suitable for greenhouse or field production.

Lake Forest Series

(Winter-flowering)

Lake Forest is bred to flower under conditions of shortening daylength, with flowers initiating more easily, uniformly and quickly than Lake Louise or Lake Michigan. Transplant in Fall to early Winter for sales in mid-Winter to early Spring.

- **Blue**
- **Pink**
- **Purple** Dark green foliage. Fastest to flower in the series.
- **White**

Lake Louise Series

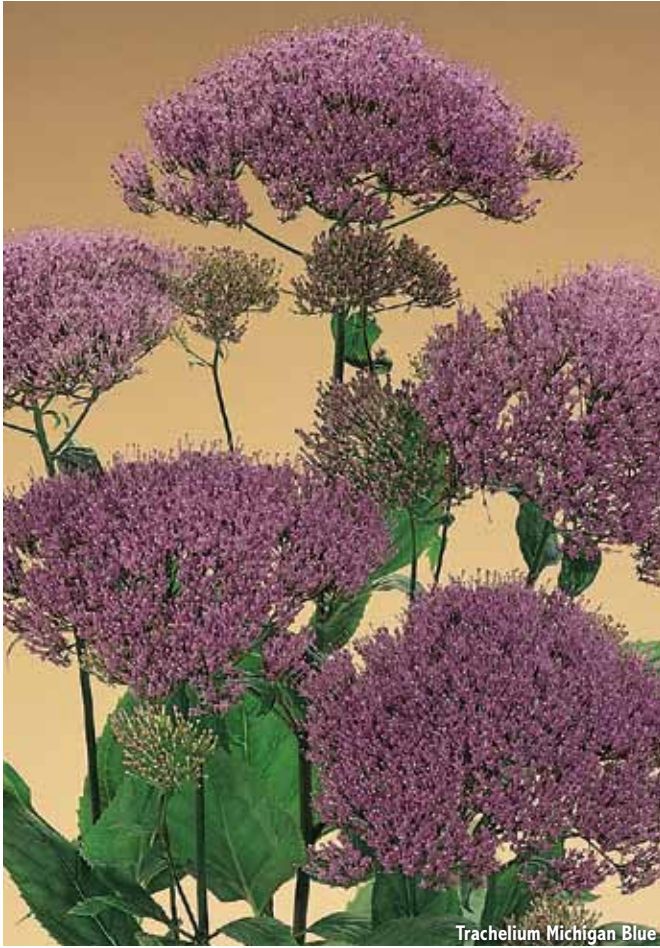
(Summer-flowering)

Lake Louise is the latest in the Lake series to flower, with the greatest tolerance for high heat and light. Transplant in late Spring through Summer for late Summer through early Fall flower production.

- **Blue**
- **Purple** Dark purple with dark foliage.
- **White** Pure white.



Lake Louise White



Trachelium Michigan Blue



Zinnia Oklahoma Mix



Trachelium Michigan Purple



Trachelium Michigan Violet



Trachelium Michigan Wine Red



Trachelium Michigan White

TRACHELIUM continued

**Lake Michigan Series
(Spring and Fall-flowering)**

Lake Michigan offers the greatest potential for year-round trachelium production in mild climates. Transplant in mid-Winter to early Spring for sales in early Summer. Lake Michigan may also be transplanted late Summer to early Fall for early Winter flowering.

- **Blue**
- **Purple** Dark purple with dark green foliage and stems.
- **Violet** Unique flower color with dark reddish foliage and stems.
- **White** Pure white.
- **Wine Red** The best red cut flower trachelium. Dark burgundy-red flowers with dark reddish foliage and stems.

ZINNIA ☀
Z. elegans

Oklahoma Mix

Height: 24 to 30 in. (60 to 75 cm)

Spread: 18 to 20 in. (45 to 50 cm)

Free-flowering, powdery mildew-tolerant plants bear bright, 1.25 to 1.5-in. (3 to 4-cm) double and semi-double blooms.

Terms & Conditions of Sale

Visit ballhort.com for current Terms & Conditions of Sale.

Note: Ball Terms & Conditions of Sale are country/region specific. The following Terms & Conditions of Sale apply to product sold within the United States and Canada.

Acceptance of Terms

These terms and conditions shall govern orders for seeds, bulbs, plants, supplies and other materials (merchandise) placed with Seller. All negotiations with sales representatives or other agents of Seller are merged herein. No modification of these terms and conditions shall be effective unless in writing signed by Seller. Placement of the order shall constitute Purchaser's acceptance of these terms and conditions. All orders are subject to acceptance by Seller at our offices in West Chicago, Illinois.

Limitation of Warranty

Seller warrants, to the extent required by law, that merchandise conforms to the description appearing in Seller's catalog and on container labels, within recognized tolerances. SELLER MAKES NO OTHER OR FURTHER WARRANTY, EXPRESS OR IMPLIED. ALL OTHER OR FURTHER WARRANTIES, INCLUDING ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE EXCLUDED. Certain merchandise may be separately warranted by the manufacturer. Seller does not adopt or ratify any manufacturer warranties, express or implied, and Seller shall have no liability thereunder. Seller does not adopt or ratify any manufacturer warranties, express or implied, made by Purchaser upon resale of the merchandise, and Seller shall have no liability thereunder.

Limitation of Remedy

PURCHASER'S SOLE AND EXCLUSIVE REMEDY SHALL BE REFUND OF THE PURCHASE PRICE. SELLER'S LIABILITY, WHETHER FOR BREACH OF CONTRACT, BREACH OF WARRANTY, NEGLIGENCE, PRODUCTS LIABILITY OR ANY OTHER THEORY OF LIABILITY, IS LIMITED TO THE AMOUNT OF THE PURCHASE PRICE. UNDER NO CIRCUMSTANCES SHALL SELLER BE LIABLE FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE, OR FOR ANY SPECIAL, INCIDENTAL, INDIRECT OR CONSEQUENTIAL DAMAGES.

Excluded Use

Merchandise is not intended for immediate or eventual sale to commercial growers, truck farmers, market gardeners or others who sell fruit or vegetables to the end user.

Mandatory Arbitration

ANY CLAIM WHICH PURCHASER MAY HAVE AGAINST SELLER ARISING OUT OF OR RELATING TO THE SALE OF THE MERCHANDISE SHALL BE SETTLED BY BINDING ARBITRATION IN ACCORDANCE WITH THE COMMERCIAL ARBITRATION RULES OF THE AMERICAN ARBITRATION ASSOCIATION, SAID ARBITRATION TO BE VENUED IN COOK OR DUPAGE COUNTIES, ILLINOIS. The laws of several states require arbitration, conciliation or mediation of disputes involving allegedly defective seed before legal action may be taken. Purchaser should contact the State Department Of Agriculture for information. Such laws typically require that a complaint be filed with the State Department Of Agriculture in time to permit inspection of the seed, crops or plants. If such a complaint is filed, a copy must be sent to Seller by registered or certified mail.

Governing Law, Jurisdiction & Venue

The laws of the State of Illinois, including but not limited to the Uniform Commercial Code as adopted therein, shall govern all matters arising out of or relating to Seller's sale of merchandise. ANY DISPUTE NOT SUBJECT TO ARBITRATION AND ANY ACTION TO ENFORCE AN ARBITRATION AWARD ARISING OUT OF OR RELATING TO THE SALE OF MERCHANDISE HEREUNDER SHALL BE MAINTAINED IN THE STATE OR FEDERAL COURTS LOCATED IN DUPAGE OR COOK COUNTIES, ILLINOIS, AND PURCHASER SUBMITS TO THE JURISDICTION OF AND VENUE IN SAID COURTS.

Indemnity

By accepting merchandise, Purchaser agrees to defend Seller, to hold it harmless and indemnify it from and against any claim or loss asserted by any or all transferees of such merchandise or users of the products of such merchandise who are not notified by Purchaser in writing of Limitation of Warranty, Limitation of Remedy, Mandatory Arbitration, Governing Law Jurisdiction and Venue, and Notice Regarding Seed-Borne Diseases in language substantially equivalent to that contained in these Terms and Conditions of Sale.

Prices

All prices are subject to change without notice. The price in effect at time of shipment will prevail. Prices do not include installation; Seller takes no responsibility, and shall have no liability for installation. Additional processing and handling charges may be added.

Payment

Payment is due in invoiced currency and in accordance with the terms specified on invoice. In the event of default in the payment of any amount when due, and in addition to all other rights and remedies available to Seller, SELLER SHALL BE ENTITLED TO COLLECT A LATE CHARGE OF 2% PER MONTH (24% PER YEAR) OR THE MAXIMUM RATE ALLOWED BY LAW, WHICHEVER IS LESS, ON ALL AMOUNTS PAST DUE FROM THE DATE DUE UNTIL THE DATE PAID. A FEE OF \$25.00 WILL BE CHARGED FOR ANY RETURNED CHECK OR DECLINED BANKCARD TRANSACTION.

Freight & Handling Charges, Inspection, Damaged Goods

The freight and handling charge on Purchaser's invoice covers shipment of the merchandise to Purchaser's destination, and replacement or credit for damaged merchandise if the steps listed here are followed. PURCHASER WILL NOT REFUSE OR RETURN GOODS, OR THE RIGHT TO FILE A CLAIM IS LOST AND PURCHASER WILL STILL BE LIABLE FOR THE MATERIAL AND THE FREIGHT. When Purchaser receives shipment: 1) Count all cartons. 2) Inspect all cartons for external damage. 3) Check for open or resealed cartons. 4) Note any damages, shortages, open or resealed cartons on the delivery receipt; the carrier's representative must also sign the receipt. 5) Open all boxes immediately and inspect for damage such as scorched, frozen or broken plants; material shortages; etc. NOTIFY SELLER IMMEDIATELY IF A SHIPMENT IS DAMAGED. Call the Ball Traffic Department at **800 879-BALL** to report the damage and receive details on what is needed to file a claim.

Cancellation Policy

Cancellations for unrooted cuttings must be received at least 30 days prior to scheduled ship date. Cancellations for liners or seed-raised plugs must be received prior to stick or sow date.

Notice & Return

Seller shall have no liability for any defect unless notice is given promptly, not to exceed thirty (30) days after such defect is or should have been discovered. No merchandise may be returned without Seller's prior written authorization. Requests to return merchandise must be made within ten (10) days after delivery. All returns must be in accordance with Seller's shipping instructions with freight paid by Purchaser. All requests for return of merchandise must be made to Ball at **800 879-BALL**. The Purchaser will also be asked to provide a letter stating the reason for the return.

The order number or invoice number must accompany the return in order to expedite the credit. NOTE: No seed will be accepted without prior notification to Ball at **800 879-BALL**. Effective immediately, seed that is returned without authorization will not be accepted and credit will not be issued. For all customers in the United States, a FedEx call tag will be issued upon authorization of return. There is a \$7.50 freight charge for the FedEx return. Seed must be returned in the original condition within thirty (30) days of the ship date for full credit. No open packages will be accepted. Any seed packages or labels that are defaced or damaged will be assessed a 15% restocking fee, even if they are returned within thirty (30) days. If seed is returned within thirty one (31) to sixty (60) days after ship date, full credit will be given but a 15% restocking charge will be assessed. No credit or replacement will be given for seed returned after sixty one (61) days from our ship date. Because Ball Controlled Growth™, Genesis® and Genesis® II seed is perishable and has a short shelf life, no returns will be accepted.

Delays, Shortages & Substitutions

Seller shall not be responsible for delays in delivery or for losses resulting from such delays. Seller reserves the right to make partial shipment. In the event of shortages, Seller may substitute such other, similar merchandise as is available.

Plant Protection

Varieties described herein may be protected by United States Plant Variety Protection, United States Plant Patents, Utility Patents, and/or Plant Breeders' Rights. Many of the varieties are also protected by the Flowering-Only License Agreement as well as registered with the Canadian Ornamental Plant Foundation. These varieties may not be reproduced without authorization. The breeder or authorized representative has the right to inspect customer's nurseries during normal business hours to assess compliance with the restrictions on use of protected varieties.

Trademarks

Trademarks are the property of Ball Horticultural Company, unless otherwise indicated.

Notice Regarding Seed-Borne Diseases

Seller makes no representation regarding the freedom from seed-borne diseases of the seed sold and disclaims any liability relating to such diseases, whether previously known to exist or not identified until this seed is grown.

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Ball Seed also distributes the following cut flower crops:

- Asters
- Capsicum
- Limonium and statice*
- Phlox
- Solidago
- Veronica

Contact your Ball Seed sales rep for more information.

*Ball Seed is the exclusive distributor of HilverdaKooij products in North America.

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