



**CUT FLOWER
SEED
CATALOG**

BallSeed®

2017
2018



YOUR GROWING PARTNER

Our focus is making sure you have everything you need to keep your business blooming. From “Seed to Sold”, we are with you to support your business. Our promise: *Ball Seed will always be the easiest distributor for you to do business with.*



STELLAR PRODUCTS

Easy access to tens of thousands of **innovative, trialed-and-proven varieties** from 225+ top-notch suppliers. (ballseed.com/webtrack)

Our state-of-the-art **Ball Premier Line® seed** technology takes seed from good to great.

Industry-leading **packaging and storage conditions** give you the freshest seed... easier sowing and storage...and the extra edge in production tracking.

TEAMWORK + TOOLS

Your **Ball Seed rep** knows your market and is committed to helping you grow.

A friendly, live voice always answers your **Customer Service** calls. ([800 879-BALL](tel:800879BALL))

Ball WebTrack® – our industry’s only single-source site – is always on, with up-to-date, accurate live inventory. (ballseed.com/webtrack; *more on the back cover*)

Seed or cuttings, liners or plugs...our extensive **Supplier Network** gets you what you want... when you need it...where you want it.

SERVICE BEYOND THE ORDER

Round-the-clock support – from cultural expertise to troubleshooting complex situations – from our **best-in-the-business field experts**.

Delivery solutions that keep you running efficiently and effectively.

An open invitation to learn and enjoy in **The Gardens at Ball** and other customer events.



On the cover: **Vincent’s Fresh & Vincent’s Choice Sunflowers** (p 21)



THE BEST INPUTS GROW THE BEST PLANTS

BALL PREMIER LINE® SEED

Today more than 80% of our seed inventory – billions of seeds each year – passes through our Ball Premier Lab for coating and pelleting, priming and testing. You benefit from reduced shrink, reduced cost and improved yield.

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.

- African Marigold (CT)
- French Marigold (CT) • Zinnia (CT)

A-REST is a registered trademark of SePRO Corporation.

BALL VIGOR INDEX® SEED

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

- Ageratum (PL) • Coleus (PL) • Dianthus (PL)
- Dusty Miller (PL) • Impatiens (HE & CT)
- Pansy (GS) • Petunia (PL) • Phlox (GS)
- Salvia (HE) • Viola (GS)

COATED SEED (CT)

Film-coated seed ensures better "flowability" through seeders.

- Alyssum • Arabis • Carthamus • Celosia
- Craspedia • Dahlberg Daisy • Dahlia • Gazania
- Geranium • Gerbera • Gomphrena • Impatiens
- Lettuce • Lobelia • Lupinus • Marigold
- Osteospermum • Pepper • Rudbeckia
- Salvia • Spilanthes • Tomato • Zinnia

CERTIFIED ORGANIC SEED

Our organic seed is not treated with any chemicals. Visit ballseed.com for a complete product listing.

FUSEABLES® PRECISION MULTI-PELLETS (PMPL)

The first-ever professional-quality multi-species and single-species Precision Multi-Pellets are specially formulated to deliver a balanced mix of two or three varieties. Tried and tested in the lab and in the greenhouse, they germinate and grow compatibly. All combo components are present at least 90% of the time. Go to ballseed.com for complete details and product listing.

- Single-Species Bacopa • Single-Species Calibrachoa • Single-Species Coleus
- Single-Species Petunia
- Single-Species Viola • Multi-Species

GENESIS® SEED (GS)

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

- Cleome • Coreopsis • Cyclamen • Pansy • Phlox
- Poppy (Papaver) • Primula • Verbena • Viola

HIGH ENERGY SEED (HE)

Refined seed delivers improved germination and uniformity.

- Alchemilla • Aquilegia • Cosmos
- Gaultheria • Gypsophila • Impatiens
- Lavender • Leucanthemum • Penstemon
- Perovskia • Ptilotus • Rudbeckia
- Salvia • Scabiosa • Strawberry
- Verbena • Zea (Ornamental Corn)

MULTI-SEED PELLETS (MPL)

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

- Alyssum (7-9 seeds) • Bacopa (5 seeds)
- Begonia (3-4 seeds) • Dichondra (3-4 seeds)
- Gypsophila (13 seeds) • Helenium (4 seeds)
- Helichrysum (3-4 seeds)
- Lemongrass (10 seeds) • Leycesteria (4 seeds)
- Linaria (4 seeds) • Lobelia (6-9 seeds)
- Ornamental Grasses (5-9 seeds)
- Portulaca (5 seeds)
- SimplyHerbs (7-12 seeds)
- SimplySalad (6-10 seeds)
- Snapdragon (5-7 seeds)

PELLETED SEED (PL)

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

- Ageratum • Angelonia • Basil • Begonia • Bellis
- Calibrachoa • Campanula • Cineraria • Coleus
- Dianthus • Digitalis • Dusty Miller (Genesis-pelleted) • Gloxinia • Heuchera • Isotoma
- Linaria • Lisianthus • Lobelia • Mimulus
- Nemesia • Nicotiana • Pentas • Petunia
- Plectranthus • Portulaca • Ranunculus
- Saxifraga • Snapdragon • Strawberry
- Torenia • Verbascum • Veronica

TREATED SEED (TR)

Uses Thiram for general seedling disease control and Allegiance for protection against Downy Mildew. Seed is sealed, there is no change in shape/size, and no dust or rub off.

- Helianthus (Sunflower)

PLUG TESTING

All Ball Premier Line seed is plug tested.

BALL PLUG NETWORK

Count on quality plant material, consistent service, innovative solutions and safe, economical delivery to your door. We monitor trends and ordering patterns so regional plug suppliers grow what's best for *your* area and have seed to sow for every order.

ONE-STOP SHOPPING, 24/7

You have easy access to the broadest assortment of varieties and plug sizes, including standard and Punchables®. With WebTrack and WebTrack To Go at your fingertips, you're just a few clicks away from placing plug orders, tracking shipments and much more...anywhere, anytime.

NATIONAL COVERAGE FROM THE BEST SUPPLIERS

No one connects you to a more robust network of plug growers than Ball Seed – find the complete team lineup at ballseed.com. You choose your supplier...but rest assured that another partner will always step in if needed so you don't come up short. That's how we can proudly claim 99% plug order fulfillment!

PUT IT ON A TRUCK!

The most extensive dedicated plug grower truck delivery network in the industry partners with our in-house Traffic Department to make sure you get delivery to your door (in most cases), at the lowest possible cost (minimum order applies).

STAY IN THE KNOW

Our every-Friday reporting system keeps you up-to-date on upcoming shipping/delivery info for your orders, with estimated time of arrival and tracking numbers.

CUT FLOWERS



Order up world-class cut flower varieties and always count on world-class seed! Our **Seed Distribution team** gives you quick-turn shipping, best-in-class packaging, easy barcode inventory management and much more.



NEW Cool Orange Snapdragon



NEW Planet Light Pink Delphinium



NEW Super Magic
Capri Blue Picotee Lisianthus



NEW Sweet Deep
Pink Maxine Dianthus



NEW Crane Feather
Queen Red Flowering Kale

A Stunning Bouquet of Colors & Textures

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**Order the complete
seed lineup at
ballseed.com/webtrack**

AGERATUM ☀️

A. houstonianum (Floss Flower)

Blue Horizon

Height: 30 in. (75 cm)

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

Mid-blue; also works well in landscapes.

AMMI ☀️

(Bishop's Flower)

A. MAJUS

Queen of Africa

Height: up to 48 in. (1.2 m)

Spread: 8 to 12 in. (20 to 30 cm)

Mid-June sowings produce white-flowering plants by mid-September. Suitable for greenhouse, field and garden cut flower production.

A. VISNAGA

Green Mist

Height: 24 to 48 in. (60 cm to 1.2 m)

Spread: 48 in. (1.2 m)

Lacy, pale green to white flower heads bloom in Summer, over feathery, fernlike foliage. Useful fresh or dried.

ANEMONE ☀️

A. coronaria

Mona Lisa® Series

Will flower under lower Winter light levels than other varieties.

Height: 18 in. (45 cm)

Spread: 6 in. (15 cm)

A PanAmerican Seed product.

Sturdy stems hold vibrant, 4 to 5-in. (10 to 13-cm) flowers.

- Bicolor Red
- Pink
- Scarlet Eye
- White
- Wine White Bicolor
- Mix

ASCLEPIAS ☀️

A. curissavica

Silky Series

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

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

A Kieft Seed product.

Strong-stemmed plants have intensely colored blooms all Summer.

- Deep Red Golden yellow centers.
- Gold
- Mix Intense reds and golds.



Mona Lisa Pink Anemone



Mona Lisa Mix Anemone



Mona Lisa Wine White Bicolor Anemone



Blue Horizon Ageratum



Queen of Africa Ammi



Green Mist Ammi



Silky Mix Asclepias



Bonita Series Aster



Ball Florist Mix Aster



Matsumoto Pink Aster



Serenade Mix Aster



Bells of Ireland



Campana Deep Blue Campanula



Grenade Orange Carthamus

ASTER 🌻
Callistephus chinensis

Ball Florist Mix

Height: 25 to 28 in. (65 to 70 cm)
Spread: 20 to 25 in. (50 to 65 cm)

Vigorous, upright plants produce large, fully double flowers with incurved petals similar to chrysanthemums.

Matsumoto Series

Height: 24 to 30 in. (60 to 75 cm)
Spread: 8 to 10 in. (20 to 25 cm)

Yellow-eyed, spray-type flowers.

- Apricot
- Blue
- Blue Tipped White
- Light Blue
- Pink
- Red
- Rose
- Scarlet
- White
- Yellow
- Mix

Bonita Series

Height: 30 to 36 in. (75 to 90 cm)
Spread: 8 to 12 in. (20 to 30 cm)

Button-type flowers that open fully top vigorous plants. Tolerant of fusarium. Also makes a nice pot plant.

- Blue
- Light Blue
- Pink
- Rose
- Scarlet
- White

Serenade Series

Height: 30 in. (75 cm)
Spread: 7 to 8 in. (18 to 20 cm)

Early-blooming with 1.25-in. (3-cm), semi-double flowers and a spray-type habit for full bouquets.

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

BELLS OF IRELAND 🌻🌿
Moluccella laevis

Bells of Ireland

Height: 15 to 20 in. (38 to 50 cm)
Spread: 15 to 20 in. (38 to 50 cm)

Large, lime-green calyces.

CAMPANULA 🌻
C. medium

Campana F1 Series

Strong stems have good foliage and are 100% top-flowered.

Height: 30 to 34 in. (75 to 85 cm)
Spread: 5 in. (13 cm)

A PanAmerican Seed product.

Available as Ball Premier Line® seed.

Uniform plants have a short harvest window. Well-matched series is a low-energy crop for both Summer and Winter production.

- Deep Blue
- Lilac
- Pink
- White

CARTHAMUS 🌻
C. tinctorius (Safflower)

Grenade Orange

Height: 32 to 40 in. (80 cm to 1 m)
Spread: 8 to 10 in. (20 to 25 cm)

A PanAmerican Seed product.

Available as Ball Premier Line® seed.

Round flower buds and round, thornless leaves are produced on stems of uniform length. Good for both indoor and outdoor production, flowering earlier than conventional strains. Useful fresh or dried.



Spring Green



Sunday Wine Red

CELOSIA

C. CRISTATA (COCKSCOMB) 🌻

Spring Green

Height: 40 to 48 in. (1 to 1.2 m)
Spread: 5 in. (13 cm)

A PanAmerican Seed product.

Available as Ball Premier Line® seed.

Suitable for higher-density plantings, with a short programmable cultivation period. Ships well and delivers long vase life.

Bombay Series

Shorter production time, better transportability, better stress resistance and longer vase life – up to 3 weeks – than others of this type.

Height: 28 to 40 in. (70 cm to 1 m)
Spread: 5 in. (13 cm)

A PanAmerican Seed product.

Available as Ball Premier Line® seed.

Large, comb-shaped flower heads in a wide range of appealing colors are produced on rounded stems, with no off-shoot flowers. Good for economical, high-density programs.

Bombay classic colors:

- **Bronze** Rich deep orange.
- **Cherry**
- **Green**
- **Pink**
- **Purple**

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** Lemon yellow.
- **Fiora (Orange Rose)** Orange comb; rose neck.
- **Fire** Deep red comb; purple-red neck.
- **Firosa (Rose)** Rose-pink comb; light pink neck.
- **Fivio (Purple Rose)** Vivid violet.

C. PLUMOSA (FEATHER) 🌻

Century Series

Height: 18 to 24 in. (45 to 60 cm)
Spread: 10 in. (25 cm)

Basal-branching plants produce 13-in. (33-cm) plumes. Suitable for greenhouse, field or garden cut flower production.

- **Fire**
- **Red** Bronze foliage.
- **Rose**
- **Yellow**
- **Mix All-America Selections National Winner.**

Sunday™ Series

Height: 28 to 40 in. (70 cm to 1 m)
Spread: 5 in. (13 cm)

A PanAmerican Seed product.

Available as Ball Premier Line® seed.

Offers longer stem length with a nice full plume and intense flower colors. Good shipping and vase life.

- **Bronze**
 - **Dark Pink**
 - **New Gold** Brighter yellow-gold color than Yellow.
 - **Orange**
 - **Red**
 - **Wine Red**
 - **Yellow**
 - **Mix** Bronze, Dark Pink, Red and Wine Red, selected for the most uniform mix in a wide color range.
- SUNDAY is a trademark of Celex B.V.

Sylphid Lime

Height: 28 in. (70 cm)
Spread: 12 in. (30 cm)

Masses of 6 to 12-in. (15 to 30-cm), lime-green plumes on tall, straight stems make this an excellent bouquet filler and useful for all kinds of arrangements. Responds very well to light and temperature. In the greenhouse with lighting and heating, Winter production is possible.

C. SPICATA (WHEAT CELOSIA)

Flamingo Series (Reintroduction)

Height: varies by variety

- **Feather** Light pink later fades to white under high heat. 18 to 26 in. (45 to 65 cm)
- **Purple** Bushier, twice as large and later to bloom than Flamingo Feather. 36 to 48 in. (90 to 120 cm)



NEW Sunday Gold



Sunday Orange



Bombay Firosa



Bombay Bronze



Century Yellow



Sylphid Lime



Blue Donna Delphinium



Sonata Mix Cosmos



Drumstick Craspedia

COSMOS 
C. bipinnatus

Sensation Mix

Height: 48 in. (1.2 m)
Spread: 20 to 25 in. (50 to 65 cm)
Large, single flowers with yellow center.

Sonata™ Series

Height: 24 in. (60 cm)
Spread: 12 to 14 in. (30 to 35 cm)
A PanAmerican Seed product.
Available as Ball Premier Line® seed.
Easy-to-grow plants are free-flowering with golden-eyed blooms. Not short-day types; plants flower in June from March sowing. Good garden cut flower.

- Carmine
- Pink
- Pink Blush
- White
- Mix

CRASPEDIA
C. uniflora (globosa)

Drumstick

Height: 24 in. (60 cm)
Spread: 12 in. (30 cm)
Available as Ball Premier Line® seed.
Wiry stems hold golden yellow florets.

DELPHINIUM  Also see Larkspur.

D. X BELLADONNA

Belladonna

Height: 30 to 36 in. (75 to 90 cm)
Spread: 10 to 12 in. (25 to 30 cm)
Sky blue.

Bellamosum

Height: 30 to 36 in. (75 to 90 cm)
Spread: 10 to 12 in. (25 to 30 cm)
Deep blue. Good companion to Belladonna.

Blue Donna

Height: 32 to 40 in. (80 cm to 1 m)
Spread: 8 to 10 in. (20 to 25 cm)
A Kieft Seed product.
Uniform, deep blue, semi double-flowered variety is heat tolerant with low disease sensitivity. Productive, multiple flush crop has a fast 12 to 16-week crop time from planting. Harvest when 25 to 30% of the flowers are open.

Casablanca

Height: 42 in. (1.1 m)
Spread: 10 to 12 in. (25 to 30 cm)
White; contains a small percentage of pale blue flowers. Can be grown year-round in coastal or mild Winter regions.

D. ELATUM

Aurora F1 Series

Height: 35 to 47 in. (90 cm to 1.2 m)
Spread: 18 to 24 in. (45 to 60 cm)
Outstanding uniform flowering time is at least 1 month earlier than older O.P. varieties. The sturdy stems are covered with large, overlapping florets that completely cover the stem, over relatively small leaves. Also works well in bedding plant programs to sell green in packs or small pots, or as a garden perennial in 1 to 2-gallon containers.

- Blue
- Deep Purple
- Lavender
- Light Blue
- Light Purple
- White
- Mix



Bellamosum Delphinium



Aurora Deep Purple Delphinium



Aurora Lavender Delphinium



Aurora White Delphinium



Guardian Mix



Magic Fountains Mix



NEW Planet Blue

DELPHINIUM ELATUM continued

Guardian F1 Series

Very uniform blooming within each variety under short days and up to 6 weeks earlier to flower than open-pollinated types.

Height: 30 to 39 in. (75 cm to 1 m)
 Spread: 10 to 12 in. (25 to 30 cm)

A Kieft Seed product.

Thin, strong stems and tight, narrow flower spikes are great for shipping.

- Blue
- Lavender
- White
- Mix

Magic Fountains Series

Height: 24 to 36 in. (60 to 90 cm)
 Spread: 24 to 36 in. (60 to 90 cm)

Sturdy, compact plants.

- Cherry Blossom/White Bee
- Dark Blue/Dark Bee
- Dark Blue/White Bee
- Lavender/White Bee
- Lilac Pink/White Bee
- Mid Blue/White Bee
- Pure White
- 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)

Large, semi-double blooms. All 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.

DELPHINIUM GRANDIFLORUM

New Planet F1 Series

Height: 16 to 20 in. (40 to 50 cm)
 Spread: 8 to 10 in. (20 to 25 cm)

The perfect bouquet component. Early blooming, with delicate star-shaped flowers. Also great as a bedding or potted crop.

- Blue
- Light Pink Also pictured on page 5.

Summer Series

Height: 24 to 36 in. (60 to 90 cm)
 Spread: 10 to 12 in. (25 to 30 cm)

Uniform, early and well-branched. Features dainty flower clusters rather than traditional long, spiky stems. Thrives in heat and humidity without stretching.

- Blues Bright sky blue.
- Cloud Bicolor blue and white.
- Morning Delicate light pink.
- Nights Midnight blue.
- Stars Pure white.
- Colors Mix Sky blue, deep blue and white.



NEW Planet Light Pink



Pacific Giants Summer Skies



THE EASIEST WAY TO FIND – AND GET – WHAT YOU NEED. Ball WebTrack® puts tens of thousands of products from over 225 suppliers at your fingertips 24/7. Best of all, it's free! Manage your orders at ballseed.com/webtrack.



Summer Cloud



Summer Morning



NEW

NEW Sweet Deep Pink Maxine Dianthus



Bouquet Purple Dianthus



Bouquet Rose Dianthus

DIANTHUS ☀️

D. BARBATUS INTERSPECIFIC SINGLE-FLOWERED TYPE

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

Vibrant blooms over very dark green, glossy foliage. No vernalization 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.

Bouquet™ F1 Series

Height: 18 to 24 in. (45 to 60 cm)
Spread: 10 to 12 in. (25 to 30 cm); finishes up to 36 in. (90 cm) as a greenhouse-grown crop
USDA Hardiness Zone: 4 to 9
A PanAmerican Seed product.
Available as Ball Premier Line® seed.

Bedding/landscape and commercial cut flower series has lacy, lightly scented blooms on well-branched plants with strong, straight stems. Outdoors, the vigorous plants have good heat tolerance. Well-suited to 4-in. (10-cm) pots and gallons for landscape and backyard cutting gardens.

- **Purple**
- **Rose**
- **Rose Magic**

D. BARBATUS

Sweet F1 Series

Height: 18 to 36 in. (45 to 90 cm) for field-grown; taller from early Fall-transplanted, greenhouse-grown plants
Spread: 10 to 12 in. (25 to 30 cm)
A PanAmerican Seed product.
Available as Ball Premier Line® seed.

High-yielding plants are very uniform for height and flowering time. No vernalization needed for first-year-flowering. Produces long-lasting, very fragrant blooms on vigorous, frost-tolerant plants.

- **Black Cherry**
- **Coral**
- **New Deep Pink Maxine** Offers a more intense color than Sweet Pink. A top-selling color in most markets.
- **Magenta Bicolor**
- **Pink**
- **Pink Magic**
- **Purple**
- **Purple White Bicolor**
- **Red**
- **Scarlet** Deep scarlet; 3 to 5 days later to flower than others in the series.
- **White** Pure, clean white flower color with no gray anthers.
- **Mix** Includes Black Cherry, Purple White Bicolor and White.

DIGITALIS ☀️

D. purpurea (Common Foxglove)

Camelot F1 Series

Height: 42 to 48 in. (1 to 1.2 m)
Spread: 15 to 24 in. (38 to 60 cm)
Available as Ball Premier Line® seed.

High germination and strong vigor, plus uniform growth and flowering. Very large flower spikes hold bell-shaped, scented blooms.

- **Cream**
- **Lavender**
- **Rose**
- **White**
- **Mix**



Camelot Mix Digitalis



Sweet Coral Dianthus



Amazon Neon Cherry Dianthus



Glitter Blue Eryngium



Silverdrop Eucalyptus



NEW Crane Feather King White Flowering Kale

ERYNGIUM 🌞

E. planum

Glitter Series

Height: 26 to 32 in. (65 to 80 cm)
Spread: 15 in. (38 cm)

Dense spikes of flowers are shaped like small pink cushions. Tall, strong, silver-blue stems have dark green leaves. Very heat tolerant and easy-care. Good vase life.

- Blue
- White

EUCALYPTUS 🌞

E. CITRIODORA

Lemon Bush (Reintroduction)

Height: 36 to 60 in. (0.9 to 1.5 m)
Spread: 36 to 60 in. (0.9 to 1.5 m)

Fast-growing, shrublike plant has textured, aromatic foliage with lemon scent. Leaves contain citronella oil, a natural insect repellent. Good in containers and landscapes.

E. GUNNII

Silverdrop

Height: 20 in. (50 cm)
Spread: 8 to 10 in. (20 to 25 cm)

Fragrant, small, blue-green leaves on vigorous, uniform filler plants with strong side branching.

FLOWERING KALE (ORNAMENTAL KALE) 🌞

Brassica oleracea

Ball Seed is working hard to make sure the seed you receive has been tested for seedborne diseases. Flowering Kale seed is tested according to the International Seed Health Initiative guidelines.

Sunrise F1 (Reintroduction)

Height: 24 in. (60 cm)
Creamy white leaves around light pink centers. Well-matched to Sunset.

Crane F1 Series

Height: 24 to 35 in. (60 to 88 cm)
Unique flower heads resembling large roses are tight and colorful; 6-in. (15-cm) diameter. Long-stemmed varieties are uniform and long lasting.

- **Bicolor** Creamy white with rose center; green outer petals.
- **Pink** Lighter color than Rose.
- **Red**
- **Rose**
- **White**

New Crane Feather F1 Series

Height: 20 to 30 in. (50 to 75 cm)
The first uniform feather-leaf kale offers two distinct colors, excellent stem length for easy harvest and uniform habit. Adds texture and interest to floral arrangements.

- **King White**
- **Queen Red** Red stems.

Lucir F1 Series

Height: Varies by variety
Features long-lasting, shiny leaves and long, single stems ideal for arrangements.

- **Rose** 25 to 35 in. (63 to 88 cm) tall.
- **White** 30 to 35 in. (75 to 88 cm) tall.

Sunset F1

Height: 24 in. (60 cm)
Round-edged, dark green leaves with red highlights on 6-in. (15-cm) heads. 6-in. (15-cm) spacing keeps heads compact.

Wine Bright

Unique and versatile focal variety adds a trendy look to bouquets.

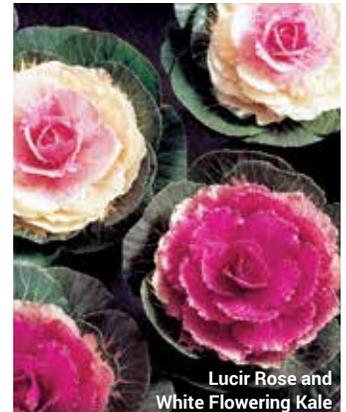
Height: 26 in. (65 cm)
Produces compact, serrated flowers on tall, upright plants. Flower head size ranges from 2.5 to 4.75 in. (6 to 12 cm) and is dependent on growing density, while color brightness depends on production temperatures. Works well in Christmas and year-round bouquets. Suitable for cool, energy-efficient greenhouse or field production. Formerly Giraffe Wine Bright.



NEW Crane Feather Queen Red Flowering Kale



Crane Pink Flowering Kale



Lucir Rose and White Flowering Kale



Wine Bright Flowering Kale

MUST HAVE



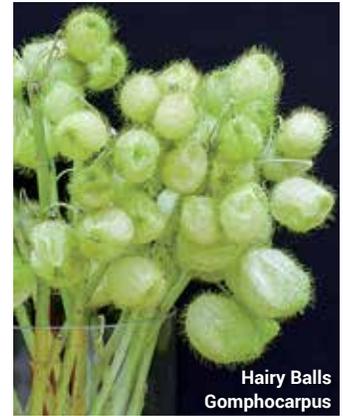
Fireworks Gomphrena



QIS Rose Larkspur



Grace Mix Godetia



Hairy Balls Gomphocarpus



QIS Dark Blue Limonium



QIS Red Gomphrena



QIS Pastel Limonium



QIS Orange Gomphrena



QIS Mix Limonium

GODETIA F1 ☀️
G. whitney/Clarkia amoena

Grace Mix

Height: 30 in. (75 cm)
Spread: 10 to 12 in. (25 to 30 cm)
Basal-branching plants hold 2-in. (5-cm) flowers on strong stems.

GOMPHOCARPUS ☀️
G. physocarpus (syn. *Asclepias physocarpa*, Balloon Cottonbush)

Crop time: Gallon or field grown, 17 to 18.5 weeks

Hairy Balls

Height: 47 in. (1.2 m)
Light green, round, inflated fruits with soft spikes top long, arching stems. Well-suited to butterfly gardens. Tender perennial to USDA Zones 6b.

GOMPHRENA ☀️

G. SPECIES

Fireworks

Height: 4 ft. (1.2 m)
Spread: 4 ft. (1.2 m)
A PanAmerican Seed product.
Available as **Ball Premier Line®** seed.
Vigorous, drought-tolerant plants are topped by many long-lasting, hot pink flowers tipped with bright yellow. Resists weather damage. Suitable for field and garden cut flower production.

G. HAAGEANA

Crop Time: 18 weeks

QIS Series

Height: 24 to 26 in. (60 to 70 cm)
Spread: 8 to 10 in. (20 to 25 cm)
A PanAmerican Seed product.
• Carmine
• Lilac
• Orange
• Purple
• Red
• Mix

HELIANTHUS See Sunflower.

LARKSPUR ☀️ Also see Delphinium.

DELPHINIUM CONSOLIDA

Frosted Skies

Height: 40 in. (1 m)
Spread: 8 to 12 in. (20 to 30 cm)
Dense spikes on early, upright plants hold semi-double flowers of white with a purple-blue picotee edge.

CONSOLIDA AMBIGUA

Imperial Giants Series

Height: 36 to 48 in. (90 cm to 1.2 m)
Spread: 12 to 15 in. (30 to 38 cm)
Strong stems hold high-quality flowers.
• **Blue Spire** Deep blue.
• **Pink Perfection**
• **White King**
• **Mix**

QIS Series

Height: 30 to 48 in. (75 cm to 1.2 m)
Spread: 10 to 20 in. (25 to 50 cm)
Uniform color and stem quality.
• Carmine
• Dark Blue
• Light Blue
• Light Pink
• Lilac
• Rose
• White

LIMONIUM ☀️
L. sinuata (Sea Lavender, Statice)

QIS Series

Height: 30 to 35 in. (75 to 90 cm)
Spread: 8 to 10 in. (20 to 25 cm)
A PanAmerican Seed product.
• Apricot
• Dark Blue
• Lavender
• Pale Blue
• Pastel Soft, pastel shades.
• Purple
• Rose
• White
• Yellow
• Mix



F1 LISIANTHUS, DOUBLE FLOWERED 
Eustoma grandiflorum (Texas Blue Bell)

All lisianthus seed is supplied pelleted.

ABC Series

Outstanding double flower form with high petal counts.

Height: 36 to 45 in. (90 to 115 cm)

A PanAmerican Seed product.

Available as Ball Premier Line® seed.

Uniform plants finish 1 to 2 weeks before comparable varieties and have reduced sensitivity to rosetting. The number in the variety name is the "Speed Guide" and tells whether the variety is faster or slower to flower (1 = Early, 2 = Mid, 3 = Late).

- 1 Deep Rose
- 1 Green
- 1 Misty Blue
- 1 Purple
- 1 Rose Rim
- 1 White
- 1 Yellow
- 2 Blue
- 2 Blue Blush
- 2 Blue Rim
- 2 Lavender
- 2 Misty Blue
- 2 Misty Pink
- 2 Purple
- 2 Rose
- 2 Yellow
- 3 Purple
- 3 Rose
- 3 White

Advantage Series

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

Available as Ball Premier Line® seed.

Mid-early series offers well-shaped double flowers and good-quality, strong stems.

- Cherry Sorbet
- Green
- Pink
- Purple
- Yellow

Bolero Series

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

Available as Ball Premier Line® seed.

Early-flowering series works well in Winter production. Less susceptible to rosetting under warm growing conditions. Sturdy stems and good vase life.

- Blue Blush
- Blue Picotee
- Green
- White

Doublini Series

Height: 26 to 34 in. (65 to 85 cm)

Available as Ball Premier Line® seed.

Group 1 series features extra-small, 1.5 to 2-in. (4 to 5-cm) blooms shaped like roses. Producing numerous branches on each stem, these eye-catching, spray-type varieties are ideal for bouquets.

- Blue
- Rose Pink
- White



Advantage Cherry Sorbet



Advantage Yellow



Bolero Blue Picotee



Bolero Blue Blush



Echo Series

Height: 24 to 36 in. (60 to 90 cm)
Available as Ball Premier Line® seed.

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

Excalibur Series

Height: 30 to 36 in. (75 to 90 cm)
Available as Ball Premier Line® seed.

Group 2 standard double series is well-suited for growing in areas with higher temperatures. Offers strong stems, more usable flower buds, mid-size flowers and good vase life. Flowers slightly earlier than Flamenco or Mariachi, with less sensitivity to rosetting. Top flowering lowers the risk of *Botrytis* when sleeved.

- Blue Picotee
- Green
- Pure White
- Rose Pink
- Yellow

Flare Series

Every stem looks like a bouquet, without any pinching.

Height: 36 to 45 in. (90 to 115 cm)
A Ball Ingenuity product, available exclusively through Ball Seed.
Available as Ball Premier Line® seed.

Spray-type Flare produces more flowers on the top of each stem that open within a short window. No pinching is needed to deliver top-quality stems with multiple blooms on top, each resembling a bouquet. Available in three popular colors, well-matched for attractive mid-size flowers and medium flowering speed.

- Deep Blue
- Deep Rose
- White



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NEW



NEW Super Magic Pink



Rosita 1 Pink Picotee

NEW



NEW Super Magic Capri Blue Picotee

F1 LISIANTHUS DOUBLE-FLOWERED continued

Mariachi Series

Height: 30 to 38 in. (75 to 95 cm)
Available as Ball Premier Line® seed.
2 to 2.75-in. (5 to 7-cm) flowers on strong stems.

- Blue Deep blue.
- Carmine
- Grande White
- Lavender
- Lime Green
- Misty Blue White with frosty blue streaks.
- Misty Pink White with frosty pink streaks.
- Pink Rose pink.
- Pink Picotee
- Pure White
- Yellow

Purple Flamingo

Height: 36 to 40 in. (90 cm to 1 m)
Available as Ball Premier Line® seed.
Mid-late variety features rich purple, dark-centered double blooms on strong stems.

Super Magic Series

Height: 28 to 32 in. (70 to 80 cm)
Available as Ball Premier Line® seed.
Mid-early series offers well-shaped flowers and strong stems.

- Apricot
- New Capri Blue Picotee
- Deep Blue
- Green
- New Pink
- White

Rosita Series

Height: 30 to 36 in. (75 to 90 cm)
Available as Ball Premier Line® seed.

Group 1-2 spray double series offers top flowering, strong stems and thick flower petals to assure easier transport without *Botrytis* issues. Mid-size, rose-shaped flowers have excellent vase life with high usable bud count.

- 1 Green
- 1 Pink Picotee
- 1 Rose Pink
- 1 White
- 2 Apricot
- 2 Blue
- 2 Blue Picotee
- 2 Green
- 2 Hot Lips
- 2 Jade
- 2 Pink
- New 2 Pink Flash
- 2 Purple
- 2 Sapphire
- 2 White
- 2 Yellow
- 3 Pink
- 3 White
- 3 Yellow



Super Magic Apricot



Mariachi Pink Picotee



Purple Flamingo



MUST HAVE

Katz Series



Aida Lavender



NEW

NEW Aida Apricot Improved

MATTHIOLA 🌻
M. incana

GREENHOUSE-GROWN SELECTABLE TYPE

Aida Series

Height: 32 in. (80 cm)

A PanAmerican Seed product.

Spring-flowering (primarily Group 2) varieties are well-suited to low light/cool temperatures.

- **New Apricot Improved** More uniform flowering; more consistent height and color.
- Blue
- Lavender
- White

Cheerful Series

Height: 32 in. (80 cm)

Plants set buds without a cold period, bearing 2-in. (5-cm) blooms. Recommended for greenhouse cut flower production only, due to 95% doubleness.

- White
- Yellow

FIELD-GROWN TYPE

Column Series (Non-Selectable Series)

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

A PanAmerican Seed product.

Non-branching plants bear 50 to 60% double blooms.

- **Appleblossom**
- **Apricot**
- **Avalanche** Pure white.
- **Lilac Lavender**
- **Malmaison Pink** Pastel salmon-pink.
- **Miracle Blue** Mid-blue.
- **Miracle Crimson**
- **Miracle White**
- **Miracle Yellow**
- **Purple Heart**
- **Ruby**
- **Sweetheart Pink**

Quartet Series

Height: 18 to 24 in. (45 to 60 cm)

Early-blooming, sweetly scented spray-type series has strong branching and hard stems, making it excellent for bouquets and floral arrangements. Up to 55% of the blooms are doubles. Pinching is required to make a well-balanced spray form. Also suited to 6-in. (15-cm) pot programs with PGRs.

- Blue
- **Cherry Blossom**
- **Deep Apricot**
- Lavender
- Marine
- Purple
- Red
- Rose
- White
- Yellow

EXTRA EARLY-FLOWERING TUNNEL OR FIELD-GROWN TYPE

Katz Series

Delivers shorter crop time, uniformity in flowering for stem length and timing between colors, and better heat tolerance than traditional types.

Stem Length: 32 in. (80 cm)

A PanAmerican Seed product.

Can be grown earlier and later in the season, and even be sold in flower for Christmas. About 55 to 60% double-flowering, with some selectability possible. Tunnel production is recommended for overall quality and weather protection.

- **Apricot**
- Blue
- **Bright Rose**
- **Cherry Blossom**
- **Crimson**
- Lavender Blue
- Light Lavender
- Pink
- Purple
- **Ruby** US PVP 201200438
- White
- Yellow



Column Miracle Crimson



Column Malmaison Pink



Quartet Marine



Quartet Yellow



Opus Red Snapdragon



Fama Deep Blue Scabiosa



NEW Cool Orange Snapdragon

SCABIOSA

S. caucasica (Pincushion Flower)

Fama Series

Height: 24 in. (60 cm)

Spread: 24 in. (60 cm)

Available as Ball Premier Line® seed.

Large flowers on strong stems.

- Deep Blue
- White Non-fading pure white.

SNAPDRAGON

Antirrhinum majus

Stem Length: 39 to 60 in. (1 to 1.5 m) unless noted

Calima Series

(Group 3) Early-flowering series has thick flower stems with large, 6-in. (15-cm) flower spikes and good harvest length.

- Deep Rose
- Ivory White
- Pure White
- Yellow

Cool Series

A PanAmerican Seed product.

Available as Ball Premier Line® seed.

(Group 1,2) Winter-flowering series of genetically matched varieties. Exceptionally uniform across a wide range of growing conditions for timing, height and spike quality. Strong, sturdy stems have long, full, tapered spikes that hold many blooms. Well-suited to outdoor growing or under tunnels in California Winter conditions.

- Bronze Gold face with pink tube.
- Coral Unique rich bronzy rose.
- Crimson
- New Orange
- Orange Bicolor Unique color – orange with yellow bee and white tube.
- Pink
- Rose
- White
- Yellow

Legend F1 Series

Stem length: 36 to 52 in. (90 cm to 1.3 m)

(Group 1) Extra-early series is well-suited to Winter production. Uniform plants have strong stems, dense spikes and strong petals for good shippability and vase life.

- Pink
- White
- Yellow

Maryland Series

A PanAmerican Seed product.

Available as Ball Premier Line® seed.

(Group 1,2) Well-suited to cool-season, low-light/low-temperature conditions.

- Appleblossom
- Bright Yellow
- Flamingo Bright salmon-rose.
- Ivory White
- Lavender
- Orange
- Plumblossom White with light purple.
- Red
- Royal
- Shell Pink Clear pink with white tube.
- True Pink
- White
- Yosemite Pink Darker than True Pink.

Monaco Series

A PanAmerican Seed product.

Available as Ball Premier Line® seed.

(Group 2,3) Good choice for Summer transitions into Fall.

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

Opus Series

(Group 3, 4) Late Spring to early Fall-flowering. Tightly spaced florets, superior stem length and caliper.

- Appleblossom III/IV
- Early Bronze III
- Early White III
- Fresh White IV
- Lavender III
- Red III/IV
- White III/IV
- Yellow III



Calima Deep Rose Snapdragon



Legend Pink and White Snapdragon



Maryland Appleblossom Snapdragon



Monaco Baltimore Rose Snapdragon



Purple Twist Snapdragon



Red Delilah Snapdragon



Pumpkin On A Stick Solanum



Overture II Orange Snapdragon

Overture II Series

(Group 2) Winter-flowering varieties feature tightly spaced florets and superior stem length/caliper.

- Orange
- Pink
- Red
- White
- Yellow

Potomac Series

A PanAmerican Seed product.

Available as Ball Premier Line® seed.

(Group 3,4) Excellent for high light, long days and warm temperatures. NOTE: The "Early" varieties are Group 3 and listed for all but the warmest periods, when other Potomac varieties should be used.

- Appleblossom White and rose bicolor.
- Cherry Rose Darker than Rose.
- Crimson
- Dark Orange
- Early Orange Light golden bronze.
- Early Pink
- Early Rose
- Early White
- Early Yellow
- Ivory White White with yellow bee.
- Lavender
- Orange
- Pink
- Red
- Rose
- Royal Purple.
- Soft Yellow
- White
- Yellow

Purple Twist

A PanAmerican Seed product.

Available as Ball Premier Line® seed.

(Group 2) Novelty cut has unique purple and white striped flowers. Color pattern varies depending on the growing environment – in warmer greenhouse conditions, white stripes are more dense/prominent; under cool outside/tunnel conditions, purple is more dense/prominent. Good grown with Maryland in cool-season, low-light/low-temperature conditions. Slightly fragrant.

Red Delilah

Great choice to make top-quality, novelty bouquets.

A PanAmerican Seed product.

Available as Ball Premier Line® seed.

(Group 2) Fun and first-of-its-kind snapdragon produces unique red and white tube-patterned flower spikes on strong, sturdy stems. Can be grown along with Maryland varieties, and is suitable for greenhouse, field or garden cut flower production.

Rocket Series

Height: 30 to 36 in. (75 to 90 cm)

Spread: 16 to 18 in. (40 to 45 cm)

A PanAmerican Seed product.

New! Now available as Ball Premier Line® pelleted seed.

Flowers well under long days.

- Bronze All-America Selections National Winner.
- Cherry
- Golden All-America Selections National Winner.
- Lemon
- Orchid All-America Selections National Winner.
- Pink
- Red All-America Selections National Winner.
- Rose Shades All-America Selections National Winner.
- White All-America Selections National Winner.
- Mix



Potomac Lavender Snapdragon



Potomac Early Orange Snapdragon



Potomac Cherry Rose Snapdragon



Potomac Appleblossom Snapdragon

MUST HAVE

SOLANUM (ORNAMENTAL EGGPLANT)



S. integrifolium

Pumpkin On A Stick

(Reintroduction)

Height: 3 to 4 ft. (90 cm to 1.2 m)

Spread: 2 to 3 ft. (60 to 90 cm)

Available as organic seed.

A must for Fall decorating! The well-branched, upright plants have strong woody stems and very large leaves that protect the developing clusters of fruit from sun. Pale green fruit appear in late Summer and mature to bright, deep scarlet and finally orange.

STATICE See Limonium.

STOCK See Matthiola.

SUNFLOWER 🌻
Helianthus annuus

INTERMEDIATE SUNFLOWER
(3 to 5 ft./0.9 to 1.5 m)

Jua Inca

Bred for less sensitivity to cultural variations than traditional varieties.

Height: 3 to 5 ft. (0.9 to 1.5 m), depending on culture

Days to maturity: 49 to 63

A PanAmerican Seed product.

Available as Ball Premier Line® seed.

Fast-growing plants produce big, pollenless blooms over small, deep green top leaves. Mahogany/gold bicolor flower with a dark center. Very good vase life.



Sunbright Supreme F1

Height: 4 to 5 ft. (1.2 to 1.5 m)

Days to maturity: 70

Available as Ball Premier Line® seed.

Pollenless, bright yellow flowers have a large, dark brown center. Earlier and more uniform than Sunbright.



Sunrich F1 Series

Height: 3 to 5 ft. (0.9 to 1.5 m)

Days to maturity: 60 to 65

Available as Ball Premier Line® seed.

Blooms 10 to 14 days earlier than Sunbright. Single-stemmed plants bear 5 to 6-in. (13 to 15-cm) flowers. The three Summer varieties flower 5 to 10 days earlier than others in the series.

- **Gold Green** face matures to golden orange.
- **Lemon** Bright yellow.
- **New Lemon Summer**
- **New Lime** Light yellow with a green center.
- **Limoncello Summer** White-yellow with a dark center.
- **Orange** Golden yellow.
- **Orange DMR** Offers added vigor and disease resistance to multiple strains of Downy Mildew.
- **Orange Summer** True orange.



TALL SUNFLOWER
(5 to 7 ft./1.5 to 2.1 m)

Double Quick Orange F1

Height: 5 ft. (1.5 m)

Days to maturity: 65

Available as Ball Premier Line® seed.

The only single-stemmed, early-flowering double suitable for the mass market. Fully double, golden-yellow, 4 to 5-in. (10 to 13-cm) flowers have a pollenfree, green disk. Upright habit.



Full Sun F1

Height: 6 ft. (1.8 m)

Days to maturity: 65 to 75

Available as Ball Premier Line® seed.

Classic, golden yellow blooms are 6 to 8 in. (15 to 20 cm) wide.





Pro Cut F₁ Series

Height: 5 to 6 ft. (1.5 to 1.8 m)
Days to maturity: Varies by variety.
Available as Ball Premier Line® seed.
 Each bright, 4 to 5-in. (10 to 13-cm) flower features a dark, pollenless disk on single-stemmed plants. Daylength neutral varieties are excellent for mass market production.

- **Bicolor** Mahogany with large yellow tips. 55 days.
- **Brilliance** Unique petal color – yellow on outside intensifies to orange near the dark center. 55 days.
- **Gold** 55 days.
- **Orange** 50 days.
- **New Plum** 60 to 65 days.
- **Red** 55 days.



Sunbright F₁

Height: 5.5 to 7 ft. (1.7 to 2.1 m)
Days to maturity: 50
Available as Ball Premier Line® seed.
 The single-stemmed plants each bear one 5 to 7-in. (13 to 18-cm), single, bright yellow bloom. Daylength-neutral; can be grown under short days.

Vincent F₁ Series

Height: 4 to 5 ft. (1.2 to 1.5 m)
Days to maturity: 55
New! Now available as Ball Premier Line® treated seed.
 Daylength-neutral series allows for flexible programming, with production of high-quality crops in early, mid and late seasons. Upward-facing flowers on strong stems have round, overlapping petals for better shipping, and an extra ring of petals for more attractive presentation. Also pictured on the cover.

- **Vincent's Fresh** Deep orange petals with a brown center.
- **Vincent's Choice** Green center.



New Vincent Deep Orange DMR F₁

Height: 4 to 5 ft. (1.2 to 1.5 m)
Days to maturity: 55
Available as Ball Premier Line® treated seed.
 All the impressive attributes of the original Vincent series, plus Downy Mildew resistance! Also features a deeper flower color and larger flower disc size than the original Vincent series.



Mammoth Navy Blue Sweet Pea



Mammoth Salmon Cream Sweet Pea



Knee High Mix Sweet Pea



'Blue Bouquet' Veronica

SWEET PEA ☀️
Lathyrus odoratus

Knee High Mix

Height: 24 to 30 in. (60 to 75 cm)
Colorful bush-type mix.

Mammoth Series

Height: 5 to 7 ft. (1.5 to 2.1 m)
Large, early flowers and long stems.

- Crimson
- Deep Rose
- Lavender
- Mid Blue
- Navy Blue
- Rose Pink
- Salmon Cream
- Scarlet
- White
- Mix

Winter Elegance Mix

Height: 18 to 24 in. (45 to 60 cm)
Multiflora blend useful for flowering under short days from Winter to early Summer.

VERONICA ☀️🌱
V. spicata

'Blue Bouquet'

Height: 12 in. (30 cm)
Spread: 12 in. (30 cm)
A Kieft Seed product.
Available as Ball Premier Line® seed.
Medium blue flowers top deep green, textured leaves.

ZINNIA ☀️
Z. elegans

Benary's Giant Series

Height: 40 in. (1 m)
Spread: 12 in. (30 cm)
Available as Ball Premier Line® seed.
Thick stems hold 4 to 5-in. (10 to 13-cm), fully double blooms with excellent yield per plant.

- Bright Pink
- Carmine Rose
- Coral
- Deep Red
- Golden Yellow
- Lilac
- Lime
- Orange
- Purple
- Scarlet
- White
- Wine
- Mix Bright mix does not include Lime.



Benary's Giant Mix Zinnia

Oklahoma Mix

Height: 30 to 40 in. (75 to 100 cm)
Spread: 28 in. (70 cm)
Powdery Mildew-tolerant plants bear 1.25 to 1.5-in. (3 to 4-cm), double and semi-double blooms.

Queen Series

Tall specialty cut offers unique, showy colors.

Height: 24 to 30 in. (60 to 75 cm)
Spread: 18 to 20 in. (45 to 50 cm)
Produces a mass of fully double, 2.5 to 3-in. (6 to 7-cm) flowers. Well-branched, upright plants supply a high number of sturdy flower stems. Long vase life. Also makes a good garden cut flower.

- Lime
- Lime Red Exotic bicolor – maroon petals topped with lime green.



Queen Lime Zinnia

TALL Z. ELEGANS

Cut & Come Again Mix
(Reintroduction)

Height: 24 in. (60 cm)
Spread: 15 to 20 in. (38 to 50 cm)
Available as Ball Premier Line® seed.
Great for cutting, this bright mix shows a complete color range. Fully double to semi-double flowers have flat petals and grow up to 3 in. (7 cm) in diameter.



Oklahoma Mix Zinnia



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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, TITLE, NON-INFRINGEMENT AND 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.

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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. Requests to package seed in unlisted sizes will incur a charge of \$0.75 per packet. 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, DECLINED EFT TRANSACTION 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 due to weather-related issues, 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 \$10.00 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. 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 seed is perishable and has a shorter shelf life, no returns of these products 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.

Sales Limitations

THE COMPANY'S PRODUCTS MAY NOT BE SOLD, DIVERTED, TRANSFERRED OR RE-EXPORTED, DIRECTLY OR INDIRECTLY, TO ANY INDIVIDUAL, ENTITY, OR DESTINATION THAT IS SUBJECT TO UNITED STATES OR UNITED NATIONS SANCTIONS PROGRAMS OR EMBARGOS (INCLUDING BUT NOT LIMITED TO OFAC SANCTIONS PROGRAMS AND THOSE LISTED ON OFAC'S "SPECIALLY DESIGNATED NATIONALS" LIST) WITHOUT AN APPROPRIATE EXPORT LICENSE.

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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