

STOKES®

SEEDS

~ Quality Seed Since 1881 ~

Petunia
FotoFinish™
Salmon

2021 GROWERS GUIDE

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STOKES

for:

PW
PROVEN
WINNERS®



Machu™ Morado
Mexican Petunia



High Noon™ Bush Daisy



Double Delight™
Blush Rose Begonia



Sweet Caroline Medusa™
Green Ipomoea

Grown For Stokes Seeds® By:
Ed Sobkowich Greenhouses & Nordic Nurseries

Hello Growers!

Arriving this Fall, our 2021 Commercial Vegetable Seed Guide will have a new look enabling us to introduce more varieties. Our management and marketing team collaborated to design a comprehensive vegetable variety guide set in an easy to read chart format.

Don't miss out and request your copy at www.stokeseeds.com or call 1-800-263-7233.



Thorold, Ontario - Head Office, Warehouse & Retail Store

4 WAYS TO ORDER



ONLINE www.StokeSeeds.com

All products in this catalog are available to order on our fully secure website, available 24 hours a day.



PHONE 1-800-263-7233

Monday - Friday 8:00 am - 6:00 pm EST
Saturdays 8:00 am - 4:30 pm EST

Extended Hours December - May

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(Credit Card & Account Orders Only)



FAX 1-800-272-5560

Complete and fax a copy of your order form (24 hours).
(Credit Card & Account Orders Only)



MAIL

Complete and mail your order form with payment to our address on the back of this catalog.



CHEQUE MONEY ORDER



METRIC WEIGHTS

Since Stokes is a major supplier of flower and vegetable seed in both Canada and the U.S.A., we have had to provide Imperial and Metric weight measurement to serve both customer groups. The following list of equivalents may help you:

1/512 oz. = .06 g	1/64 oz. = .44 g	1/4 oz. = 7 g
1/256 oz. = .11 g	1/32 oz. = .89 g	1/2 oz. = 14 g
1/128 oz. = .22 g	1/8 oz. = 3.6 g	oz. = 28 g

CONDITIONS OF SALE

PRICES: All prices on flower, vegetable seed and accessory products are payable in Canadian funds. Recent changes in tariffs and counter tariffs on seed imported into the US may require us to change prices without notice.

REMITTANCE: We will accept Visa, MasterCard and personal cheques, or money orders made out to Stokes Seeds Ltd. Do not send cash in the mail because we cannot accept responsibility for its loss. Sorry - No C.O.D.'s or SASE.

CREDIT: All charge orders from our regular commercial grower customers, who have established credit with us, will be invoiced and are due 60 days from the invoice date. Interest will be charged on all overdue accounts at the rate of 2% per month, an annual rate of 24%.

NEW CREDIT: We cannot extend new credit by phone. Please write, call or visit our website for a credit application and supply us with two complete credit references. All new credit is limited to 60 days. All overdue accounts will be reviewed for future credit and interest will be charged at 2% per month or 24% per annum.

CASH DISCOUNTS: A 2% discount applies to all orders over \$500, when payment accompanies your order. This discount does not apply to special prices.

VOLUME DISCOUNTS: On orders for flower seed only an additional volume discount applies for orders over \$500. For orders over \$5,000 please contact your Stokes Seeds® territory manager.

\$500 - \$999	5%
\$1,000 - \$1,999	10%
\$2,000 - \$2,999	15%
\$3,000 and up	20%

SALES TAX: Residents of AB, MB, SK, QC, YT, NT, NU and BC please add 5% GST. Residents of NB, NS, NL, PE and ON please add applicable HST.

CORRESPONDENCE: To write, phone or email us about shortages or errors on your order - please provide us with your order number as shown on the packing slip included with all orders.

DELIVERY: Orders under \$500.00 are subject to a \$7.95 shipping and handling charge. For prompt, efficient delivery of your order these charges **MUST** be included.

PRODUCT ILLUSTRATIONS: All color illustrations are copyrighted and are the property of Stokes Seeds® or their respective owners. Colors may vary in printing.

RETURNED ITEMS: Unauthorized returns of seed or goods will be shipped back to the customer, collect. Authorized returns must be cleared with our head office and shipped back prepaid, within 30 days of receipt of the original order. A 10% restocking and handling charge will be charged on all returns.

CUSTOMER SERVICE: For technical advice about our seed varieties and horticultural products please phone 1-800-263-7233, email Stokes@StokeSeeds.com, or write to our Customer Service Dept. When requesting information, please use a separate sheet of paper, so we may process your order quickly.

CROP FAILURES AND SUBSTITUTIONS: We are dealing with live products, many of which are harvested after our catalog has been printed. If a crop fails or develops a shortage, we reserve the right to pro-rate the item, substitute another item or refund your money. Please indicate your preference on your order.

TESTED FOR GERMINATION: All seed is tested for germination and vigor each year, before we sell it. We maintain our own seed testing department to ensure that only seeds of high germination will be supplied to our customers. Results of the most recent germination test of each stock are marked on all packages of flower and vegetable seed. Germination varies each year.

PLEASE READ THIS LIVE PRODUCT WARRANTY BEFORE ORDERING OUR SEED

NOTE: Seed is a live product which depends on many important related grower skills such as proper planting time, seed depth, type of soil, irrigation, proper use of fertilizers, weed controls, fungicides, insecticides, disease free soil, and reasonable weather conditions during the growing period. These factors are totally out of the seedsman's control and are the growers responsibility and risk. Our seed cannot be unconditionally guaranteed to perform properly - regardless of weather conditions or the growers methods or mistakes.

NOTICE TO BUYER - STOKES WARRANTY AND CONDITIONS OF SALE

Stokes Seeds Ltd., and/or Stokes Seeds Inc., and/or Semences Stokes Ltée., and their suppliers, (herein after collectively referred to as the vendor "Stokes") warrants that the seed it sells conforms to the label description as required by Provincial and/or State and Federal Seed Laws. Stokes limits its warranty to the full amount of the purchase price of such seeds. STOKES MAKES NO OTHER WARRANTIES, GUARANTEES OR CONDITIONS EXPRESS OR IMPLIED OF THE MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE OR OTHERWISE OF THE SEED SOLD BY IT OR THE CROPS GROWN FROM SUCH SEEDS. It is recognized that a mistake or human error can be made in the production, processing or packaging of such seed, therefore, in any event, direct or consequential on account of any negligence whatsoever - IF A BREACH OF WARRANTY, CONDITION OR CONTRACT OCCURS WITH RESPECT TO SUCH SEEDS - THAT IN NO CASE SHALL STOKES BE LIABLE FOR MORE THAN THE PRICE ACTUALLY INVOICED AND/OR PAID FOR SUCH SEEDS BY THE PURCHASER TO THE VENDOR AND/OR THE VENDOR'S AGENT. As a condition to any liability, Stokes must receive notice by registered mail of any claim that the seed is defective within 30 days after the defect in the seed became apparent. Stokes has based the prices of its seeds on this limited warranty and limited liability and these prices would be much higher if further liability coverage were required. These warranties and limitations of liability may not be altered or amended except by an instrument in writing executed by duly authorized officers of Stokes and stamped with the company seal. By acceptance of such seeds, the Purchaser of such seeds acknowledges that this limited warranty and disclaimer herein before described, are conditions of sale and that they constitute the entire agreement between the Vendor and the Purchaser regarding warranty and/or any other liability or conditions.

IF THIS LIMITED WARRANTY AND GUARANTEE IS NOT ACCEPTABLE TO THE PURCHASER AS A CONDITION OF SALE - THEN THE PURCHASER MUST NOT PLANT THE SEEDS AND MUST RETURN THE SEEDS IN THEIR ORIGINAL UNOPENED PACKAGE, and the purchase funds shall be refunded.

NOTICE: ARBITRATION / CONCILIATION / MEDIATION REQUIRED BY SEVERAL STATES

Under the seed laws of several states, arbitration, mediation or conciliation is required as a prerequisite to maintaining a legal action based upon the failure of seed to which this notice is attached to produce as represented. The consumer shall file a complaint (sworn for AL, AR, CO, FL, IN, MN, MS, SC, TX, WA; signed only CA, GA, ID, MT, ND, NV, RI, SD) along with the required filing fee (where applicable) with the Commissioner/Director/Secretary of Agriculture, Seed Commissioner, or Chief Agricultural Officer within such time as to permit inspection of the crops, plants or trees by the designated agency and the seedsman from whom the seed was purchased. A copy of the complaint shall be sent to the seller by certified or registered mail or as otherwise provided by state statute.



Salvia Lancelot



Celosia Sol Lizzard Leaf



Cuphea Sriracha Rose



Delphinium Dasante Blue



Lobelia Starship Scarlet/bronze leaf



Rudbeckia Amarillo Gold



Celosia Sol Gecko Green



Delphinium Jenny's Pearl Pink



Sriracha Lavender Bicolor



Marigold Marvel II Yellow



Succulents Hippy Chicks



Petunia FotoFinish Salmon



Petunia FotoFinish Mix

NEW FLOWERS OF MERIT 2021

CELOSIA - Sol Gekko Green and Sol Lizzard Leaf: A attractive foliage celosia in two distinct bicolor patterns. Thrives in full sun and rich, well-drained soil.

CUPHEA - Sriracha Series: Compact, well-branched plants that are easy to program and colors are very well matched for uniform production. A premium heat and drought tolerant variety that offers season-extending opportunities.

DELPHINIUM - Jenny's Pearl: Beautiful branched sprays of flowers for use in pots, bedding or as a cut flower. **Dasante Blue:** Vibrant blue flowers with light purple accent and white bee. Easy-care, cool season crop with uniform, grower friendly compact plants.

DIANTHUS - Venti Parfait Blueberry: Stronger plants with blush colors with contrasting center eyes. Venti Parfaits produce larger blooms than Super Parfaits.

MARIGOLD - Marvel II Series: Uniform series under both short and long days. Offers improved branching, earliness, flower size and brighter colors. Sturdy stems hold up in shipping and poor weather.

LOBELIA - Starship Scarlet/Bronze Leaf: Stems are wind tolerant in full or partial sun. Use 1 or 2 gallon containers. Bloom Summer and Fall.

PETUNIA - FotoFinish Series: Extremely uniform, extra-early spreading series with perfectly matched plant habit and flower timing. Mounded and branching habit is ideal for high density growing. **Easy Wave Rose Fusion:** Plants fill out well, stay full of blooms longer and look good all season. **Shock Wave Purple Tie Dye:** Earliest to flower of all spreading types. Lush plants are blanketed with masses of small 1.5 in/4 cm self cleaning blooms on mounded spreading foliage.

SALVIA - Lancelot: A unique plant for borders. Produces silvery-white, felted leaves with lavender flowers. Rosy-lavender bracts and a pleasant sage fragrance. Excellent pollinator.

SNAPDRAGON - Potomac Pink: Plants produce tall, strong stems and long spikes with vivid color and good flower quality. Best production during periods of high light, long days and warm temperatures. Excellent cut flower.

RUDBECKIA - Amarillo Gold: Alluring huge flowers on short stems. Very well suited for pots, bedding plants and bouquets.

SUCCULENTS - Hippy Chicks: Attractive structural plant for rock gardens, mixed containers and green roofs. Mixture in a variety of colors. Succulent leaf rosettes, non-branching flower spikes.

VINCA - Tattoo Blueberry: Bold, fun and head turning this vinca's unique petals have an airbrushed look with soft strokes of black. Very floriferous and well-branched plants with an overlapping, fully round form that won't show gaps in hot temperatures. Outstanding color in hot, sunny conditions.



Marigold Marvel II Orange

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SEEDS

Quality Seed Since 1881

SEED DISTRIBUTOR FOR:

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BENARY
RIJK ZWAAN
PAN AMERICAN
HARRIS MORAN

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Try Basil



Forest Green



Garlic Chives



Black Magic



CONTAINER AND BEDDING PLANT FAVORITES



WATCH FOR OUR FULL VEGETABLE CATALOG LISTING AND PRICING THIS NOVEMBER.

BROCCOLINI

UT48L ASPABROC 50-60 days. Resembles broccoli raab with an asparagus-like stem. Mild tasting. Produces tiny broccoli heads in 50 days from transplant plus 3-5 side shoots in 10 days. Continues producing heads for 4 weeks. Untreated seed. **Limited.** Pkt. (75 seeds) \$6.65; 1,000 seeds \$80.97; 5,000 seeds \$74.36 per M.

BUTTERNUT SQUASH

UT306Q BUTTERBABY 100-105 days. Plants produce an abundance of sweet 1 lb/454 g personal-size mini butternuts with light tan skin color. Uniform fruit on a restricted vine with excellent storage quality. Can be grown on a trellis. Intermediate resistance to Powdery Mildew. Untreated seed. Pkt. (25 seeds) \$4.10; 250 seeds \$19.90; 1,000 seeds \$45.31.

CAULIFLOWER

97J AQUARIUS 70 days. Uniform, high quality white, smooth, firm head with heavy curds. Very tolerant to heat and curd hairyness. Strong erect plant with good curd cover. Pkt. (25 seeds) \$4.75; 1,000 seeds \$46.91; 5,000 seeds \$42.21 per M.

CUCUMBER

UT141Q GHERKING 50 days. F1 hybrid. Parthenocarpic, 3-5 in/8-12 cm fruit. Early, large yields of bitter-free fruit even if left on the vine. Suitable for garden and production, best results when trellised. Perfect for pickling or fresh eating. Isolate from other cukes and pickles. Untreated seed. Pkt. (30 seeds) \$6.45; 250 seeds \$23.85; 1,000 seeds \$75.90.

EGGPLANT

151K PICASSO 65 days. F1 hybrid. High yielding purple-black oval shaped fruit with a firm consistent shape and uniform color. High crown set and longevity in the field in hot conditions. Spineless green calyx. Pkt. (50 seeds) \$4.95; 500 seeds \$49.05; 1,000 seeds \$73.10.

HERBS

157B GARLIC CHIVES *Allium tuberosum*. 85 days. Perennial. Flat bladed, chive-like herb with an assertive garlic flavor. Referred to as "Chinese Chives". Replaces garlic in sauces and salads. Compact 12 in/30 cm plant also provides beautiful, long lasting flowers. Pkt. (100 seeds) \$2.75; 1/2 oz. \$11.70; oz. \$15.40.

160D STEVIA *Stevia rebaudiana*. Popular sweet herb used as an alternative to sugar. Can be used fresh or dried. Attractive bushy, high yielding plants. Pkt. (25 seeds) \$6.75; 250 seeds \$65.30; 1,000 seeds \$161.41.

227F FOREST GREEN PARSLEY 74 days. Deeply cut, dark green leaf. Erect, vigorous plant has good holding ability in hot weather and good grow-back after multiple cuts. Pkt. (500 seeds) \$2.75; oz. \$7.35; 1/4 lb. \$16.85; lb. \$39.50; 5 lb. \$37.75 per lb; 10 lb. \$33.80 per lb.

228 CHAMPION MOSS CURLED PARSLEY 80 days. Finely curled leaves, deep green. Pkt. (500 seeds) \$2.75; oz. \$5.85; 1/4 lb. \$12.25; lb. \$26.85; 5 lb. \$25.90 per lb.

159N EVERLEAF EMERALD TOWERS BASIL The first basil bred for season-long performance, flowers up to 8 weeks later than standard varieties. Compact 18-24 in/46-61 cm plant perfect for in ground or containers. Robust flavor perfect for pesto. Resistant to Downy Mildew and Fusarium. Pkt. (25 seeds) \$2.75; 250 seeds \$14.10; 1,000 seeds \$44.99.

P166B TRY BASIL Each precision multi-pellet contains 8-10 seeds which should solve any germination problems. Plants are short, bushy types. Transplant from plugs to harvest 28 days.

P166A OREGANO Each pellets contains 9-14 seeds to solve any germination problems. Larger plants can grow 24 in/61 cm. Transplant from plugs to harvest 28 days.

Prices of the above two: Pkt. (25 pellets) \$3.50; 250 pellets \$22.65; 1,000 pellets \$53.26.

KALE

168F BLACK MAGIC 55 days. O/P. Has dark black/green heavily savoyed, narrow, well textured 16 in/41 cm leaves with white ribs. A rosette plant habit makes harvesting easier. Plants have an improved bolting resistance and an excellent tolerance to cold weather. 1,000 seeds \$4.05; 5,000 seeds \$3.83 per M.



Primero Red



Yellow Belle II



Mad Hatter



Orange You Sweet



Snackabelle Red



CONTAINER AND BEDDING PLANT FAVORITES



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LEMON GRASS

165L LEMON GRASS Widely used as a culinary herb, gives off a pleasant lemon scent and mild taste. Easily grown in moisture retentive soils in containers in warm greenhouse conditions or as a houseplant. Pkt. (25 seeds) \$7.95; 100 seeds \$31.45; 250 seeds \$69.15; 1,000 seeds \$200.74.

PEPPERS

UT261T CANDY CANE 60-65 days. Capsicum annum. F1 hybrid. An elongated bell-shaped 3.5-4 x 1.25-1.75 in/9-10 x 3-4 cm snack pepper that ripens from green and white stripes to solid red. Thin walls and crispy texture make it perfect for eating at all stages of ripeness. Ideal for growing in-ground or in a container with or without support. Untreated seed. Pkt. (25 seeds) \$7.25; 250 seeds \$68.45; 1,000 seeds \$181.90.

262R SWEET ARROW 62 days. F1 hybrid. Longer, earlier, creamier yellow. 8.5x2 in/22x5 cm. Pkt. (25 seeds) \$5.05; 250 seeds \$20.00; 1,000 seeds \$45.73.

UT261U MAD HATTER 65-70 days. Capsicum baccatum. F1 hybrid. This novelty Bishops Crown type pepper has eye-catching flattened-disc fruit with lobes, measures 2-3.5 x 2-2.5 in/5-9 x 5-6 cm and ripens green to red. Crunchy, crisp and high yielding this variety has a delicate citrus-floral flavor that sweetens as it matures, occasionally expressing a slight heat around the seed cavity. Suitable for large containers and open fields. Staking required. AAS winner. Untreated seed. Pkt. \$7.25; 250 seeds \$80.50; 1,000 seeds \$214.00.

262A SUPER SHEPHERD 68 days. O/P. Popular open pollinated Italian Sweet type. Dark red 7.5 in/19 cm early fruit have very thick juicy flesh. High soluble sugars. Pkt. (100 seeds) \$3.00; 1/2 oz. \$15.75; oz. \$23.35.

MINI HUNGARIAN SWEET CHEESE PEPPERS 70 days. Flat round shape silver dollar size. Use for stuffing and pickling.

262S Orange You Sweet

262T Right On Red

262U Yes To Yellow

Prices of the above three: Pkt. (25 seeds) \$6.65; 250 seeds \$50.50; 1,000 seeds \$124.99.

PEPPERS

267U YELLOW BELLE II 70 days. O/P. Larger 4.75 in/12 cm square yellow bell fruit with thick flesh, four lobes. Ripens dark green to golden yellow by Sept.1st. Exclusive. Pkt. (100 seeds) \$3.00; 1/2 oz. \$31.65; oz. \$47.05; 1/4 lb. \$109.95; 1/2 lb. \$206.95.

UT262Z SNACKABELLE RED 70-75 days. Mini 2-2.25 in/5-6 cm sweet bell pepper. Rich, sweet flavor that's great for fresh eating green to red. Excellent for grilling and stuffing. Easy-out stem and seeds allows for quick cleaning. Superior resistance to BLS 1, 2, 3, 7, 8 and TMV. Untreated seed. Pkt. (25 seeds) \$7.25; 250 seeds \$58.20; 1,000 seeds \$133.16.

260F RED KNIGHT (X3R) 72 days. A larger blocky version of King Arthur with BLS 1,2,3 tolerance. Pkt. (25 seeds) \$7.25; 250 seeds \$57.90; 1,000 seeds \$111.34.

257C CURRIER 74 days. Extra large, blocky thick walled early pepper that matures green to red. High tolerances to BLS 1,2,3; TMV; PPMV; PPYMV; PVY 0,1,2 plus IR to CMV and Phy RR. Pkt. (25 seeds) \$6.65; 250 seeds \$64.30; 1,000 seeds \$133.78; 5,000 seeds \$126.73 per M.

UT263E PRIMERO RED 75-80 days. F1 hybrid. The earliest ripening habanero on the market. Huge yields of 3x 1.5 in/8x4 cm rich flavored peppers that are larger than the typical habaneros and have one-third the heat. Perfect for fresh salsa and cooking. Untreated seed. Pkt. (25 seeds) \$7.95; 250 seeds \$72.05; 1,000 seeds \$178.34.

HOT PEPPERS

264B JALAPENO M 70 days. Dark green, 3.5 in/9 cm long, bullet shaped fruit mature red. (6000sc) Pkt. (25 seeds) \$3.05; 1/2 oz. \$11.50; oz. \$17.10; 1/4 lb. \$39.65.

265H SV5232HY 75 days. This Flaming Flare brand 3.5 in/9 cm long Fresno type pepper is a glossy red, triangular shaped fruit grown on vigorous plants. Can be picked green, but grow hotter as they ripen. Disease resistant. Great for chili sauces. (500-1000sc) Pkt. (25 seeds) \$6.55; 250 seeds \$54.65; 1,000 seeds \$125.04.

UT265G GHOST CHILE 100 days. Certified as one of the "World's Hottest Peppers" with a Scoville heat rate at over 1,000,000 units. Handle seeds and fruits with extreme caution (gloves if possible). Untreated Seed. Pkt. (25 seeds) \$7.95; 250 seeds \$73.90; 1,000 seeds \$182.91.



Jalapeno M



Currier



Lemon Grass



Candy Cane



Ghost Chile



Yes to Yellow



Mesclun Mix



Tidy Treats



City Garden Mix



Bright Lights



Chocolate Sprinkles



CONTAINER AND BEDDING PLANT FAVORITES



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LETTUCE

185M MILD MESCLUN MIX 20 days. A blend of red and green leafy greens and lettuces. Ingredients include red and green Salad Bowls, red and green Rapids, red and green cos plus pak choi, hon tsai tai, kale and brassica greens. To add more spicy flavor, add endives, Lolla Rossa lettuces, arugula and chicory. Each mild mesclun mix contains 2 separate packages: a) Lettuce, Endive, Chicory and b) Asian Greens, Kale, Mustards. Pkt. (1200 seeds) \$4.95; 1/2 oz. \$11.65; oz. \$20.95.

P186S SUMMER PICNIC MIX Extend your bedding plant selling season with a mix of more heat tolerant red and green lettuce varieties.

P185X ALFRESCO MIX Red and green leaf lettuces with arugula, endive and radicchio. A true Mediterranean flavor.

P185Y CITY GARDEN MIX A traditional mix of red and green leaf lettuces that are easy on the palate.

P185Z GLOBAL GOURMET MIX Red and green leaf lettuces and Asian greens make a nice mix of flavors great in salads or in a stir-fry.

Prices for the above four: Pkt. (25 pellets) \$6.95; 250 pellets \$54.20; 1,000 pellets \$173.03.

STRAWBERRY

395K DELIZZ® 120 days. F1 hybrid. Vigorous, compact plant with few runners, produces white flowers and plenty of conical shaped mid-sized wonderfully sweet strawberries all summer long. Easy to grow from seed and great for containers or hanging baskets. AAS Winner. Pkt. (15 seeds) \$7.95 100 seeds \$69.20; 500 seeds \$248.85; 1,000 seeds \$449.10; 5,000 seeds & over \$400.50 per M.

395J ELAN 120 days. F1 hybrid. A vigorous ever-bearing plant that produces large, bright red fruit from June to October. This bi-conical shaped fruit has a delicious flavor caused by high sugar levels. Great for garden, containers or hanging baskets. White blooms. Pkt. (15 seeds) \$7.95; 100 seeds \$50.00; 500 seeds \$179.75; 1,000 seeds \$324.35; 5,000 seeds & over \$289.25 per M.

TOMATO

334 PATIO HYBRID 50 days. Developed for bedding plant growers or container sales. Dark green, bushy, potato leaf foliage average 24 in/60 cm. Produces large 4 oz/113 g red fruit. DF, GS Pkt. (50 seeds) \$5.05; 500 seeds \$37.85; 1,000 seeds \$66.08; 5,000 seeds \$62.86 per M.

UT336C CANDYLAND 55 days. O/P. Untreated seed. Red Currant type with high yields of tiny, red 0.25-0.5 in/0.6-1.25 cm fruit that delivers bursts of flavor. Very high brix. Vigorous, bushy indeterminate. AAS Winner. Pkt. (10 seeds) \$6.45; 100 seeds \$12.65; 500 seeds \$37.85; 1,000 seeds \$62.84.

TOMATO

UT394R TIDY TREATS VF 55 days. F1 hybrid. Untreated Seed. Tons of amazing cherry sized fruit on a very compact plant. Good in small space gardens and containers, continues to produce 0.75-1 in/2-3 cm fruit all season. Pkt. (10 seeds) \$4.50; 100 seeds \$18.35; 500 seeds \$54.80; 1,000 seeds \$91.02.

UT336S SUGAR RUSH F/TMV 55 days. F1 hybrid. Super-sweet elongated fruit has one of the highest brix ratings of its type. Fast maturing plant with 0.75-1.25 in/2-3.25 cm fruit is productive all season. Untreated. Pkt. (10 seeds) \$6.45; 100 seeds \$17.05; 500 seeds \$50.90; 1,000 seeds \$84.52.

UT338B CHOCOLATE SPRINKLES FN/TMV 70 days. Untreated Seed. Unique striped bicolor crack resistant grape shaped fruit with a high brix. Indeterminate plant must be staked. Pkt. (10 seeds) \$6.95; 100 seeds \$36.70; 500 seeds \$109.60; 1,000 seeds \$182.04.

332 CELEBRITY VFNT 70 days. Plant is adapted for row crops. Large 10 oz/283 g fancy, firm green shouldered fruit turn dark at maturity. AAS Winner. Pkt. (10 seeds) \$6.15; 500 seeds \$38.10; 1,000 seeds \$63.30; 5,000 seeds \$60.22 per M.

333T MOUNTAIN MERIT VFFF/TSWV 75 days. F1 hybrid. Dark red fruit on compact, uniform plants. Perfect for slicing and sandwiches. AAS Winner. Pkt. (25 seeds) \$10.95; 500 seeds \$110.65; 1,000 seeds \$183.80.

SWISS CHARD

41F BRIGHT LIGHTS 55 days. 20 in/51 cm. Colors include yellow, gold, pink, crimson, orange, purple, white, green and white stripe with several pastel shaded petioles - express themselves in the seedling stage and become more intense after 5 weeks in the greenhouse or outdoors. Green savoyed leaves. Colors fade when cooked. Pkt. (150 seeds) \$3.95; 1,000 seeds \$13.87; 5,000 seeds \$9.32 per M.



Candyland



Elan



Bees



Butterflies



Edible



Scented



Containers



Small Pot



Hanging



Hummingbirds



Dried



Cutting



Shade



Full Sun

Flower Symbols

* Celsius	Zone	* Fahrenheit
Below -45.6	1	Below -50
-42.8 to -45.5	2a	-50 to -45
-40.0 to -42.7	2b	-45 to -40
-37.3 to -39.9	3a	-40 to -35
-34.5 to -37.2	3b	-35 to -30
-31.7 to -34.4	4a	-30 to -25
-28.9 to -31.6	4b	-25 to -20
-26.2 to -28.8	5a	-20 to -15
-23.4 to -26.1	5b	-15 to -10
-20.6 to -23.3	6a	-10 to -5
-17.8 to -20.5	6b	-5 to 0
-15.0 to -17.7	7a	0 to 5
-12.3 to -14.9	7b	5 to 10
-9.5 to -12.2	8a	10 to 15
-6.7 to -9.4	8b	15 to 20
-3.9 to -6.6	9a	20 to 25
-1.2 to -3.8	9b	25 to 30
1.6 to -1.1	10a	30 to 35
4.4 to 1.7	10b	35 to 40
Above 4.5	11	Above 40

Average Annual Minimum Temperature
Hardiness Zone Map



USDA Plant Hardiness Zones

Zone Map: Included in the index below are the approximate zones of hardiness for each perennial and biennial. Zone 3-6 = 3a-6b.

FLOWER SEED INDEX

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Abutilon Bella Select Mix



Angelonia Serena Mix



Ageratum Aloha White



Alyssum Easter Bonnet Deep Pink



Ageratum High Tide Blue



ALYSSUM



CULTURE: Sow Feb.15th-Apr.1st for May blooms. Do not cover seeds. Germinate at 65-70°F/18-21°C soil temp. for 3 days. Grow seedlings at 55°F/13°C. Use well drained soil that is not too high in pH. As blooms appear, give partial shade for the richer colors. **DIRECT SEED:** Sow outside in late May, thin to 4 in/10 cm apart. 1/8 oz/3.5 g should provide about 1500 seedlings. Allow 6-9 weeks from seeding to sale in paks. Grow plants cool 50°F/10°C for deeper colors.

WONDERLAND®

(3 in/8 cm) Six colors and two mixes are bred to complement each other in growth habit, earliness and color intensity. Earlier blooming. Both raw seed and multi-pellets are available for Wonderland colors and mixes - **add 'P' in front of code when ordering multi-pellets.** Multi-pellets contain 3 or more seeds per pellet.

427 Deep Rose
427E Deep Purple
427P Pink

427B White
427H Blue

427M Wonderland Mix Formula blend of above.
427Z Wonderland Mulberry Mix Bright blues, purples and whites. Available as Raw seed only.

Prices for Wonderland seed: Pkt. (250 seeds) \$2.25; 1,000 seeds \$3.04; 5,000 seeds & over \$2.56 per M.

Prices for Wonderland Multi-pellets: 1,000 pellets & over \$30.95 per M.

EASTER BONNET® SERIES

(4-10 in/10-25 cm) Plants are uniformly compact, very early flowering and fragrant across all the colors. They stay tidy much longer than any other alyssums - making this series excellent for borders or massed beds. Violet is a solid purple. Plants spread 12-14 in/30-36 cm.

438A White **438B Violet**
438D Deep Rose **438E Deep Pink**
438M Mix Formula blend of 7 fragrant colors.

Prices for Easter Bonnet colors & mix: Pkt. (250 seeds) \$2.25; 1,000 seeds \$4.66; 5,000 seeds & over \$4.25 per M.



ABUTILON



CULTURE: Approx. 8,500 seeds per oz/28 g. Abutilon is really a tender shrub but is grown as a popular annual bedding plant. Blooms the first summer in 4 in/10 cm pots, baskets or as a small standard, in gallon containers, in about 11-13 weeks. Sow April 1st, germinate 3 to 5 days at 70°F/21°C in high humidity, cover seed lightly. Grow plants at 65-75°F/18-24°C. Flowers from seed in 80 days.

477 Bella™ Select Mix F1 hybrid. (14-18 in/36-46 cm) Large 3-4 in/8-10 cm pastel blooms in ivory, lemon, pink, apricot, rose, coral and red. Great for flowering house plant or bedding plant use. 100 seeds \$57.20; 1,000 seeds & over \$330.82 per M.



AMARANTHUS



CULTURE: 40-50,000 seeds per oz/28 g. **GREENHOUSE:** Sow Mar.15th in sandy, well drained soil for late April paks. Beautiful foliage sells on sight. **DIRECT SEED:** outdoors April 20th for fall cut flowers. Useful bedding plant for extra dry areas.

608D Caudatus (3 ft/90 cm) Love Lies Bleeding. Ropes of red blooms trail from main stems. Can use as dried flower. Pkt. (300 seeds) \$2.50; 1/16 oz. \$3.70; 1/4 oz. \$9.65; oz. \$38.60.



Order Online Now!
www.StokeSeeds.com



AGERATUM

CULTURE: 210,000 seeds per oz/28 g. **GREENHOUSE:** Sow Feb. to April at a soil temp. of 80°F/27°C for 7 days. Do not cover seed as it must have light to germinate. Press seed firmly into seed bed. Use luke-warm water to germinate. Transplant 4 weeks from seeding. Grow plants at 60°F/16°C. Sow approx. 1/256 oz/0.11 g for 800 seedlings. Allow 10-12 weeks from seeding/ sale in paks and 12-14 weeks for 2.25 in/6 cm pots.

ALOHA

(6-8 in/15-20 cm) F1 hybrid. Early flowering vigorous type with excellent garden performance. Suited for growing in paks or 4 in/10 cm pots, well suited for mass production. Pelleted seed only.

P429A White

P429B Blue

Prices for Aloha: Pkt. (100 pellets) \$2.95; 1,000 pellets & over \$28.18 per M.

431 Blue Mink (10-12 in/25-30 cm) Standard, large flowered fluffy powder blue blooms. Best O/P for cutting or intermediate height borders. Pkt. (250 seeds) \$2.50; 1/8 oz. \$4.35; 1/2 oz. \$12.50; oz. \$19.40.



TALL AGERATUM

HIGH TIDE™

(14-16 in/36-41 cm) F1 hybrid. Taller, more vigorous than other ageratum. Provides a dense mounded hedge of color. Self cleaning large Blue Mink type blooms - outlasts standard or hybrid ageratum as a bedding plant. Crop time 12-14 weeks. Single pellets only.

P437A Blue

P437B White

Prices for High Tide: Pkt. (10 pellets) \$5.95; 100 pellets \$41.05; 1,000 pellets & over \$237.37 per M.



ANGELONIA



CULTURE: Crop time 13-14 weeks. Start Feb.15-Mar.10 in the greenhouse and grow with impatiens. Germinate at 74°F/23° C for 4-5 days. Use 288 cell paks. Grow plants at 68-80°F/20-26°C days and 64-66°F/18-19°C nights. Transplant into 4-4.5 in/10-11 cm pots. Pelleted seed only.

SERENA®

Hybrid (16-20 in/41-51 cm) First seed-grown Angelonia can be grown easily from seed. Plants are shorter than vegetative types. An excellent choice as a mid-height bedding plant, like salvia, for hot/humid or hot/dry areas. Branches well without pinching - continuous bloomer - no deadheading required.

P623C Purple
P623E Blue

P623D White
P623F Rose

P623 Mix Pink, sky blue, white, lavender, raspberry & blue

Prices for Serena colors & mix: Pkt. (10 pellets) \$4.95; 100 pellets \$41.05; 1,000 pellets & over \$285.36 per M.



Begonia Sprint Plus Pink



Aster Hulk



Begonia Viking XL Red on Green



Aster Matsumoto Mix



Begonia Big White Green Leaf



Sprint Plus Blush



Begonia Bada Bing Series



ASTERS



CULTURE: Crop time 13-15 weeks from seeding. For earlier May flowers sow in January. For flowers in September sow by May 1st.

628M Pot 'N Patio® Mix (6 in/15 cm) Dwarf Aster. Dark green, bushy, uniform plants produce fully double, rounded 2.25 in/6 cm blooms. Mix of blue, pink, scarlet and white. Pkt. (25 seeds) \$2.50; 500 seeds \$24.00; 1,000 seeds & over \$31.47 per M.

630 Crego Finest Mix (20 in/51 cm) Tall Aster. Large, shaggy, curled blooms and strong stems. Mix of 6 colors. Pkt. (50 seeds) \$2.50; 1/4 oz. \$3.50; oz. \$9.05; 1/4 lb. \$36.20.

631 Hulk (24 in/61 cm) Tall Aster. Unique flower features pale green blooms without petals. Likes partial sun or some shade for good color. Pkt. (50 seeds) \$3.25; 1,000 seeds & over \$47.19 per M.

660 Mixed Powderpuffs (24 in/61 cm) Tall Aster. Fully double 3 in/8 cm blooms lose yellow centers at maturity. Mix of white, pink, red, purple/blue with yellow. Pkt. (50 seeds) \$2.50; 1/4 oz. \$6.40; oz. \$18.05; 1/4 lb. \$65.15.

633 Bonita® Mix (30 in/76 cm) Pompon type. Fully double 2 in/5 cm blooms on sturdy tall wind and fusarium (aster yellows) resistant plants. Mix of blue and scarlet flowers. Pkt. (100 seeds) \$3.75; 1,000 seeds & over \$22.58 per M.

LARGE SINGLE FLOWERED TYPES

Extra large single blooms on sturdy stems. For tall backgrounds.

640 Serenade Mix (30 in/76 cm) Early flowering semi-double daisy flowered type. 1 in/3 cm diameter blooms in 9 colors. Resistant to fusarium wilt (aster yellows). Scarlet, blue, blue tipped white, deep rose, red, rose, rose tipped white, white and yellow. Pkt. (100 seeds) \$2.50; 1,000 seeds & over \$15.17 per M.



GIANT PRINCESS DOUBLE

MATSUMOTO®

(30 in/76 cm) All colors have contrasting yellow centers. Tolerant to heat. Blooms 90 days from seed. Mix is formula blend of 10 colors: apricot, blue, blue tipped white, light blue, pink, red, rose, scarlet, white, yellow.

637K Rose **637P Dark Blue**
637X Mix Formula blend of 10 colors

Prices for Matsumoto colors & mix: Pkt. (100 seeds) \$2.50; 1,000 seeds & over \$17.24 per M.

634 Standy Mix (30 in/76 cm) Quality stems for commercial cutting. Strong resistance to Fusarium (aster yellows) and Verticillium wilts. Medium size 4 in/10 cm double blooms. Formula blend of 9 colors. Pkt. (25 seeds) \$2.95; 250 seeds \$11.65; 1,000 seeds & over \$30.55 per M



FIBROUS BEGONIAS



CULTURE: 1/64 oz/5 g - 33,000 seeds; 65-75°F/18-24°C; 2-3 weeks; sow Jan. for 4 in/10 cm May sales. Production of begonias from seed is easy, by following cultural directions closely. To germinate, maintain constant temp. of 70°F/21°C. Use light fibrous soil of equal parts light soil, sand, peat moss or leaf mold. Soil must never dry until germination begins. After germination, the seedlings must be kept gently moist. Cover very slightly with big sand or light gravel. You should be able to still see soil, this helps keep constant humidity and protects emerging seedlings from direct sun, also protects the seed when watering. After germination a minimum night temperature of 60-65°F/16-18°C. A weekly feeding of 1/2 strength complete soluble fertilizer is necessary to keep them growing. Begonias are light sensitive, light 14-18 hours per day. Continue lighting after germination or they will not grow and will gradually disappear. Cover seed flats on bright days with one thickness of newspaper. Dec. or Jan. sowing produces for spring bedding. Sow July for Mid winter sales.



BRONZE FOLIAGE HYBRIDS



GREEN FOLIAGE HYBRIDS



BADA BOOM®

(8 in/20 cm) Best dark bronze leaf type in our trials. Matures 10-14 days earlier than the market leader. All colors bloom together - loaded with blooms! Crowth time 12-15 weeks during short day length. Pelleted seed only.

P674A Pink

P674B Rose

P674C Scarlet

P674D White

P674E Rose Bicolor

P674M Mix

Bada Boom pellets: 1,000 pellets & over \$10.36 per M.



COCKTAIL™



(8-10 in/20-25 cm) Best selling fibrous Begonia in the world. Bronze leafed, resistant to poor weather conditions, will stand more sun and rain. Pelleted seed only.

P706A Vodka Scarlet

P706B Gin Rose-pink

P706C Whisky White

P706E Brandy Pink

P706D Cocktail Mix Bronze leaf mix

Prices for Cocktail pellets: 1,000 pellets & over \$12.26 per M.



BIG®



Allow 13-14 weeks from seeding to bloom for 6-8 in/15-20 cm plants in 10 in/25 cm pots or 3 plants per gallon container. For fully mature 28 in/71 cm plants for landscaping or park use, allow 16 weeks from seeding. Blooms are absolutely huge, averaging 3 in/7.5 cm in diameter. Flowers are held above the large dark bronze or bright green leaves for maximum contrast. Use mature for landscapes or extra large containers. Excellent for combination plantings, window boxes and hanging baskets. Pelleted seed only.



P676E White Green Leaf

P676A Red Bronze Leaf **P676B Red** Green Leaf

P676C Rose Bronze Leaf **P676D Pink** Green Leaf

Prices for Big pellets: Pkt. (10 pellets) \$9.75; 250 pellets \$86.10; 1,000 pellets & over \$248.87 per M.



DRAGON WING®

(12-15 in/30-38 cm) Amazing plant vigor. Huge glossy green wing-shaped leaves contrast nicely with large pendulous blooms. Plants are heat tolerant used in hanging baskets or long stems trained to trellises in full sun or semi shade. Pelleted seed only.

P701P Pink

P701 Red

Prices for Dragon Wing pellets: 100 pellets \$45.45; 1,000 pellets & over \$262.62 per M.



Megawatt Red Bronze Leaf



Begonia Nonstop Sunset



Begonia Funky Pink



Begonia On Top Sun Glow



Bacopa Utopia

FIBROUS BEGONIAS

GREEN FOLIAGE HYBRIDS

TOPHAT™

(16-20 in/41-51 cm) F1 hybrid. Strong upright branching habit with huge flowers. Finishes one week earlier than other varieties and is the first extra-large type with white flowers. Great performance in both patio containers and landscapes. Pelleted seed only.

P708A Pink **P708B Scarlet**
P708C White **P708D Rose Bicolor**

Prices for Tophat pellets: 100 seeds \$40.90; 1,000 pellets & over \$236.34 per M.

MEGAWATT™

(20-28 in/51-71 cm) F1 Hybrid. Striking flowers keep plants covered in color all summer long! Performs well in heat/drought conditions with no deadheading required. Sturdy stems hold flowers above the foliage. Bronze leaf varieties flower faster than green leaf varieties. Crop time 12 weeks. Pelleted seed only.

P702E Pink Bronze Leaf **P702F Red** Green Leaf
P702G Rose Bronze Leaf **P702H Rose** Green Leaf
P702J Red Bronze Leaf **P702K Pink** Green Leaf

Prices for Megawatt pellets: 100 pellets \$45.45; 1,000 pellets & over \$262.62 per M.

BEGONIA BOLIVIENSIS

Plants average 12 in/30 cm in height; spread 16-20 in/41-51 cm; have arrow shaped leaves and large conical shaped blooms. Plants like full sun or partial shade and flower under long daylength (10-14 hours). Total crop time 14-16 weeks. Plug crop 7-8 weeks in 288 trays; Transplant to finish 14-16 weeks. For 10 in/25 cm baskets (3-5 plugs per basket) will take about 8-10 weeks. CULTURE: Single seed pellets @ approx. 85% germ. Use well drained media with balanced fertilizer (pH 5.5-6.2). Maintain high moisture, germinate in 14 days @ 73°F/23°C; do not cover pellets; use additional light (50W per m²) to aid germ. Reduce temps to 70°F/21°C; lower humidity, use tempered water on seedlings and continue long daylength (14 hour) lighting. Grow @ 64°F/18°C. Transplant plugs 7-8 weeks after germ. Avoid soluble salts in your soil.

BOSSA NOVA®

P705B Red **P705C Rose**
P705D Pure White **P705F Pink Glow**
P705G Night Fever Papaya

Prices for Bossa Nova: Pkt. (10 pellets) \$9.75; 250 pellets \$104.15; 1,000 pellets & over \$317.28 per M.

SUN CITIES COLLECTION

P678A San Francisco™ Bright Salmon
P678B Santa Barbara Pure White
P678 Santa Cruz® Bright red-orange blooms.
All above have dark green leaves.

Prices for Sun Cities: Pkt. (10 pellets) \$9.75; 250 pellets \$104.30; 1,000 pellets & over \$317.79 per M.

TUBEROUS ROOTED BEGONIAS

CULTURE: Sow in Dec.-Jan. 15th for June sales and Nov.15th for Mother's Day. Most tuberous types take a week longer to germinate than fibrous types. Normal germination takes about 20 days, you can cut this in half with heat lamps. Use timed lights, limiting day length to 15 hours. Longer periods cause leggy or stunted seedlings. This type of growth check will cause seedlings to try to form tubers almost at once - at this point they will stop growing and die. Germinate at 75°-78°F/24°-26°C at night. Use sterile soil medium like a Jiffy mix and sand mix. Keep seeds moist, watering with luke warm water. Shade young seedlings with cheesecloth from direct sun as they germinate. If using pellets with a misting system - do not cover them and keep them moist until they sprout. If you are growing plugs - do not let seedlings dry out or they will become stunted and form tubers in the seedling stage! Seed sold by count.

PENDULA BEGONIA



ILLUMINATION®

Long flexible, cascading stems with large semi double blooms. Pelleted seed only.

P704A Salmon Pink **P704B Orange**
P704D Rose **P704E White**
P704H Golden Picotee **P704K Lemon**
P704J Illumination Mix Formula blend of 6 colors.

Prices for Illumination pellets: Pkt. (50 pellets) \$5.95; 250 pellets \$33.45; 1,000 pellets & over \$96.74 per M.



DWARF BRONZE FOLIAGE



NONSTOP® MOCCA

F1 hybrid, superior chocolate leaf colored companion for our popular green leafed Nonstop originals. The Nonstop Mocca series has 4 in/10 cm fully double flowers. Mix/eight vibrant colors contrast richly with dark coffee colored foliage. Pelleted seed only.

P720E Bright Orange **P720F Red**
P720S Cherry **P720T Pink Shades**
P720U Deep Orange **P720W Scarlet**
P720X White **P720Y Yellow**
P720Z Mocca Mix

Prices for Nonstop Mocca pellets: Pkt. (50 pellets) \$5.95; 250 pellets \$21.90; 1,000 pellets & over \$63.32 per M.

NONSTOP®

This series produces 100% double flowers, 3.5 in/9 cm across on 12 in/30 cm plants. Use for sales of 4 in/10 cm pots in late summer or spring as a bedding plant. Pelleted seed only.



P719V Sunset **P719C Pink**
P719E Yellow **P719G White**
P719H Orange **P719K Appleblossom**
P719L Rose Petticoat **P719S Deep Rose**
P719U Red
P719T Yellow w/red back
P719 Nonstop Mix Formula blend of above.

Prices for Nonstop pellets: Pkt. (50 pellets) \$5.95; 250 pellets \$21.90; 1,000 pellets & over \$63.32 per M.

NONSTOP® JOY

P718K Mocca White **P718Z Yellow**

Prices for Nonstop Joy pellets: Pkt. (50 pellets) \$5.95; 250 pellets \$38.30; 1,000 pellets & over \$110.72 per M.

DWARF GREEN FOLIAGE TYPE

ON TOP®



(10-12 in/25-30 cm) Easy to grow. Mounded plants covered in 2-5 in/5-13 cm large flowers that bloom early and flower longer than other varieties. Pelleted seed only.

P709V Fandango **P709W Melon Lace**
P709X Pink Halo **P709Y Sun Glow**
P709Z Sunset Shades

Pkt. (50 pellets) \$5.95; 250 pellets \$21.85; 1,000 pellets & over \$63.14 per M.

FUNKY®

(8 in/20 cm) Compact semi-trailing, well branched plants are easy to grow. Puts on an outstanding show in baskets, containers or in the landscape. Withstands full sun and lightens up shady places. Reliable, high germination. Pelleted seed only.

P679A Orange **P679B White**
P679D Scarlet **P679 Pink**

Pkt. (10 pellets) \$9.75; 250 pellets \$97.95; 1,000 pellets & over \$296.78 per M.

BACOPA

CULTURE: Approx. 12,675-19,845 multi-pellets per oz/28g. Crop time 10-12 weeks. Leave seed uncovered after sowing and mist well. Germinate 4 days at 68-74°F/20-23°C. Grow at 60°F/15°C days, 55°F/13°C nights. Use 4.5 in/11 cm pots or 10-12 in/25-30 cm hanging baskets. Flowers in 8-10 weeks for baskets. Heat tolerant - likes full sun. Not for landscaping. Multi-pelleted seed.

P663A Blutopia® **P663B Snowtopia®**
P663C Pinktopia

Prices for Bacopa colors: Pkt. (10 pellets) \$5.95; 100 pellets \$39.95; 1,000 pellets & over \$271.00 per M.



Easy-to-grow Fuseables® precision multi-pellets are formulated to germinate and grow a balanced mix of Blutopia and Snowtopia from the same precision multi-pellets. Crop time is about 8-12 weeks from sow to finish. Use 3-5 plugs per pot. Press precision multi-pellets into the soil surface.

P1901A Utopia Blue and white seeds in the same pellet. Pkt. (10 pellets) \$5.95; 100 pellets \$44.35; 1,000 pellets & over \$288.73 per M.



Calibrachoa Paradise Island



Calibrachoa Kabloom Cherry



Calibrachoa Kabloom Blue



Bells of Ireland



Single Annual Mix

BEANS (Ornamental Climber)

698 Scarlet Runner (10 ft/3 m) A rapid climber covered with attractive bright red blooms. The green beans are edible. 2 oz. \$4.40; 1/2 lb. \$7.80; lb. & over \$11.35 per lb.



BELLS OF IRELAND



CULTURE: 4,000-5,000 seeds per oz/28 g. Pre-chill seed at 50°F/10°C for 5 days. Sow seed in sandy soil April 1st, germinates irregularly in 5 weeks. Alternate soil temp. between 50-85°F/10-29°C. Grow at 60°F/16°C. Keep moist, sow outside May 1st, thin to 12 in/30 cm apart.

711 Bells of Ireland (2 ft/60 cm) Long stems covered with green, bell-like 2 in/5 cm blooms. Excellent for dried bouquets or cut flowers. Pkt. (100 seeds) \$2.25; 1,000 seeds & over \$6.33 per M.



CALENDULA



CULTURE: 3,500 seeds per oz/28 g. .25 oz/7 g provides about 700 seedlings. Germinate at 75-65°F/24-18°C day and night temps. for 5-10 days in darkness. .25 in/6 mm deep, cover seed. Sow March - April for July cutting. June 15th for fall blooms. Thin to 12 in/30 cm apart.

739 Pacific Beauty Mix (18 in/46 cm) Popular for bedding or florist outdoor cutting. Long stems, double flowers, heat tolerant. A great background for fall mums. Pkt. (100 seeds) \$2.50; 1/4 oz. \$5.25; oz. \$15.15.



DWARF CALENDULA

Approx. 5,500 seeds per oz/28 g. Use in 4 in/10 cm pots or formal bedding combinations in cooler climates. Allow 8 weeks from seed to sale for paks and 10 weeks for pots.

741A Touch of Red Mix (24 in/60 cm) A bicolor blend of red, yellow and orange, each petal with a red tip. Double 2.5 in/6 cm blooms. Pkt. (50 seeds) \$2.50; 500 seeds \$10.60; 1,000 seeds & over \$20.23 per M.

BON BON™

12 in/30 cm bushy plants are perfect for 4 in/10 cm or 6 in/15 cm pots and gallon containers. Large 2.5 in/6 cm double blooms bloom 10 days earlier than Fiestas.

747A Orange **747B Bright Yellow**
747C Bon Bon Mix Formula mix

Prices for Bon Bon colors & mix: Pkt. (50 seeds) \$2.50; 500 seeds \$7.05; 1,000 seeds & over \$13.43 per M.



CARNATION



1/16 oz/1.8 g should provide 500 seedlings. Our special selection of carnations are grown for us by a carnation specialist in Europe. Our extensive carnation trials at 'Stokes' have proven, year after year, that our strains will delight the most discriminating grower. CULTURE: Approx. 200 seeds per pkt. Hybrids 10 seeds per pkt. 15,000 per oz/28 g. Sow Feb. 15th - March 15th for July blooms. Freeze seed for 5 - 7 days before sowing. Germinate at alternating temperatures of 70°F/21°C days and 60°F/16°C nights, for 7 days. Plant seed 1/8 in/3 mm deep and cover. Sow thinly. Transplant 4 weeks after seeding, keep well ventilated. Sow outside May 15th, thin in 20 days to 8 in/20 cm apart. Allow 10-12 weeks from seed to sale for paks and 12-14 weeks for dwarf hybrid pot types. Use 4 in/10 cm pots.

DWARF HYBRID CARNATION

766 Can Can Scarlet (18 in/46 cm) 2 in/5 cm Scarlet "knee-high" fragrant carnation for use as a bedding plant or for cut flowers. Crop time 4-5 months to bloom. AAS Winner. Pkt. (10 seeds) \$6.25; 100 seeds \$50.75; 500 seeds \$192.10; 1,000 seeds & over \$325.85 per M.



CALIBRACHOA

KABLOOM®

(8-12 in/20-31 cm) F1 hybrid. CULTURE: Sow Jan. 15 - Feb. 15th - in light or darkness - do not cover with media. Germinate @ 73°F/22.5°C for 7 days. Crop time for 4-6 in/10-15 cm pots and single plants is 12-13 weeks; 10 in/25 cm baskets @ 3 plants per basket 14-15 weeks; 12 in/30 cm 5 plant baskets 14-15 weeks. Precision multi-pellet seed.

P1800B Pink
P1800F Yellow
P1800H Cherry
P1800K Orange
P1800N Blue

P1800E White
P1800G Denim
P1800J Light Pink Blast
P1800M Coral

Prices for Kabloom colors: 50 pellets \$25.30; 100 pellets \$42.75; 500 pellets \$190.35; 1,000 pellets \$272.73.



See index for more Fuseables®!

P1800Z Paradise Island (8-12 in/20-30 cm) The first Calibrachoa Fuseable! Combines Kabloom Yellow, Denim and Rose in the same precision multi-pellet. 50 pellets \$51.30; 100 pellets \$86.65; 500 pellets \$386.05; 1,000 pellets & over \$553.03 per M.



CLARKIA

CULTURE: 80,000 seeds per oz/28 g. Sow outdoors in early April in clumps of about 50 seeds, very thinly. Space out plants by thinning 6 in/15 cm apart. Likes a cool semi shaded location. For early blooms, sow indoors March 1 at 65-70°F/18-21°C directly into peat pots. Used as medium height background in parks or estate plantings. Easy to grow for cut flower production. Blooms last 6-9 days after cutting. Use above the 40th parallel (Columbus, Ohio).

820 Mix (24 in/61 cm) A choice mixture, shades of pink, lavender and white. Plants flower from seed in 90 days. Pkt. (1,000 seeds) \$2.25; 1/4 oz. \$3.80; oz. \$8.60.

COBAEA

Used by nurseries as a climber for spring bedding plant sales with morning glories. CULTURE: 300 per oz/28 g. Sow in pots anytime or outdoors May 20th. Must be staked.

818 Scandens Popular purple climber. Pkt. (25 seeds) \$4.50; 250 seeds \$36.35; 1,000 seeds & over \$77.52 per M.



CHRYSANTHEMUM



PAINTED DAISY

CULTURE: 9,000 per oz/28 g. 1/8 oz/3.5 g should provide 600 plants. Sow indoors March 1st at 60°F/16°C soil temp. 1/8 in/3 mm deep at 6 seeds per in/25 mm, cover with soil. Keep in dark for 10 days. Sow outdoors in rows May 15th, thin 8 in/20 cm apart.

810 Single Annual Mix (18-36 in/46-91 cm) Large, single blooms include white, yellow, red and purple bicolors.

Prices for Painted Daisy mix: Pkt. (150 seeds) \$2.50; 1/4 oz. \$4.35; oz. \$11.75.

MINIATURE BUTTON TYPES

CULTURE: Multicaule - 17,000 seeds per oz/28 g. Snowland (Paludosum) -32,000 seeds per oz/28 g. Sow both indoors Feb.15th for May-June blooms. Germinate at 60°F/16°C for 14 days in darkness.

849 Multicaule (6-12 in/15-30 cm) Masses of tiny, single yellow blooms. A great ground cover or for rock gardens. Pkt. (150 seeds) \$2.50; 1/8 oz. \$7.60; oz. \$47.85.

817 Snowland™ (10 in/25 cm) Large 1.5 in/38 cm white, single blooms, yellow centers. 100 seeds \$4.15; 1,000 seeds & over \$8.33 per M.



4 Easy Easy Ways To Order!
Please see page 1 for Details.



Celosia Bright Sparks Bright Yellow



Celosia First Flame Purple



Celosia Sol Lizzard Leaf



Celosia Century Salmon Pink



Celosia Sol Gekko Green



CELOSIA



CULTURE: Plumosa or feathered class has two different types. Dwarf strains are used for informal bedding effects. Tall types are sometimes preferred to salvia for background plantings. The taller plumosa types also are great for fall cut flowers or dried arrangements. **GREENHOUSE:** Dec. sowings for florists' pots only. Do not sow before April 1st for bedding plants. Germinate at 70-80°F/21-27°C soil temp. for 5 days. Use luke warm water at all times when watering. 1 oz/28 g sows 16 (12x20 in/30x51 cm) flats at 600-700 seedlings per flat. Sow as thinly as possible 1/8 in/3 mm deep, in sandy soil, cover seed. Grow seedlings at 70°F/21°C. Keep in a well ventilated area and avoid cold drafts. Transplant at same depth as original seedlings, not too deep. **DIRECT SEEDING:** Sow outdoors May 15th for June blooms 1/8 in/3 mm. deep, thinning tall types to 16 in/40 cm apart - dwarf types 8 in/20 cm apart.



DWARF PLUMOSA TYPES

KIMONO

(10 in/25 cm) A true dwarf type developed primarily for pots. Plumes show 6-7 weeks after seeding and plants remain about the same height throughout the season.

774A Red Bronze leaves **774B Yellow**
774C Rose **774D Orange**
774E Cream **774J Cherry**
774 Kimono Formula Blend Blend of select colors

Prices for Kimono colors & mix: Pkt. (75 seeds) \$2.75; 1,000 seeds & over \$11.96 per M.

FIRST FLAME

(10-14 in/25-36 cm) Excellent brightly colored summer blooms finish days earlier than other varieties. Uniform branching habit across all colors for fuller looking containers. Ideal as a border plant. Pelleted seed.

768G Purple **768H Red**
768J Yellow **768M Mix**

Prices for First Flame colors & mix: Pkt. (50 pellets) \$2.50; 1,000 pellets & over \$20.32 per M.

BRIGHT SPARKS

(11-12 in/28-30 cm) Stands out from the competition with large 3-4 in/8-10 cm plumes on a well branched habit that results in secondary bloom sizes that match the initial flower. Great heat tolerance and less prone to color fading. Puts on a showy, long lasting garden display.

751W Bright Yellow **751Y Scarlet**

Prices for Bright Sparks colors: Pkt. (50 seeds) \$2.50; 1,000 seeds & over \$20.56 per M.

FRESH LOOK

(14 in/36 cm) Fresh Look, well-branched green leaf plant, helps to protect tender roots from intense summer heat. New Look has bronze foliage, similar size plant. Pelleted seed.

750B Yellow **750C Red**
750E Gold **750D Orange**

Prices for Fresh Look colors: Pkt. (75 pellets) \$2.75; 1,000 pellets & over \$15.76 per M.

750A New Look™ (16 in/41 cm) Scarlet plumes, bronze foliage. AAS Winner. Pelleted seed. Pkt. (75 pellets) \$2.75; 1,000 pellets & over \$15.76 per M.



TALL PLUMOSA TYPES

CENTURY

(27 in/68.5 cm) Our best tall plumosa type. Great as a bedding plant for colorful tall backgrounds or for commercial cut flower use. Nice, full 12 in/30 cm feathery plumes with green leaves. Matures 80 days from sowing.

751A Red **751B Yellow**
751F Pink **751G Salmon Pink**
751 Mix Blend of flame, red, rose and yellow

Prices of the Century colors & mix: Pkt. (50 seeds) \$2.50 1,000 seeds & over \$16.21 per M.



FOLIAGE CELOSIA



SOL™

(10-14 in/25-36 cm) A attractive foliage Celosia in two distinct bicolor patterns. Thrives in full sun and rich, well-drained soil. Pelleted seed.

P775B Gekko Green **P775C Lizzard Leaf**

Prices for Sol: 100 pellets \$42.80; 1,000 pellets & over \$247.48 per M.



WHEAT CELOSIA (SPICATA)



TALL SPICATA TYPE

CULTURE: A unique plumosa spicata or wheat-feather type. 30,000 seeds per oz/28 g. **GREENHOUSE:** Sow indoors in late April, 5 weeks before transplanting outdoors. Germinate in warm 80°F/27°C soil. Increase germination by soaking seeds in a 0.2% solution of potassium nitrate for 5 minutes, dry seed and sow. Slim stems. Harvest tassels young in mid August, colors fade fast.

749J Flamingo Feather (18-26 in/46-66 cm) Light pink/white. Pkt. (50 seeds) \$2.50; 1,000 seeds \$5.40 per M.



CELOSIA ARGENTEA TYPE

CULTURE: Sow March 15th as it requires a longer 3 month vegetative growth time, transplanted into 5 in/13 cm pots (constricting growth) which promotes late June flowering in shorter daylength. Transplant outdoors July 1st for amazing red foliage throughout late summer and fall. Plants love heat. Use in gallon containers or landscaping.

775Z Dragon's Breath® (24 in/61 cm) Glorious vibrant red foliage and plumes. Pkt. (15 seeds) \$5.50; 250 seeds \$79.55; 1,000 seeds & over \$209.14 per M.



CELOSIA - CRISTATA TYPES

The Cristata or cockscomb class has two major types, the taller Chief Mixed with larger combs, and the unique narrow or ribbon combed tall Triangle type which is used by cut and dried flower growers.

TALL CRISTATA TYPES

767 Prestige Scarlet (18 in/46 cm) Lots of 3 in/8 cm wide red combs for cutting or bedding. AAS Winner. Pkt. (75 seeds) \$2.50; 1,000 seeds & over \$11.96 per M.

759A Kurume™ Corona (40 in/102 cm) Gold/red. 1,000 seeds & over \$8.06 per M.

752 Chief Mix (30-40 in/76-101 cm) Tall plants with huge 24 in/61 cm cauliflower shaped combs. 6 colors. Pkt. (75 seeds) \$2.50; 1,000 seeds & over \$11.66 per M.

752K Triangle Mix (40 in/102 cm) Bombay type narrow paint brush or ribbon shaped combs, tall sturdy stems. Cut flower lasts 3 weeks. Blend of 5 colors. Pkt. (75 seeds) \$2.60; 1,000 seeds & over \$11.54 per M.



CLEOME (SPIDER FLOWER)

SPARKLER™

First commercial F1 hybrid semi dwarf Cleome. Sturdy, more wind tolerant, 3 ft/90 cm plants are bushier than standard O/Ps. May be sold in flower in 6 in/15 cm or larger containers. Crop time 10-12 weeks. Makes a spectacular background hedge of color. Primed enhanced seed for easier germination with better rates.

R835A Blush Pink/white **R835B Lavender**
R835C Rose **R835D White**
R835 Sparkler Mix Blend of above colors.

Prices for Sparkler colors & mix: Pkt. (10 seeds) \$4.75; 100 seeds \$32.85; 500 seeds \$132.80; 1,000 seeds & over \$214.15 per M.



TALL OPEN POLLINATED

Used as a tall border bedding plant for spring sales. Also a good cut flower. **CULTURE:** 13,000 per oz/28 g. ¼ oz/7g should provide about 2,000 seedlings. Sow March 5th - April 15th for May sales and July blooms. Pre-chill seed at 40°F/4°C for 5 days. Sow in cold frames, alternating temps. of 85°F/29°C days and 65°F/18°C nights. Transplant in 4 weeks. Sow outdoors May 1, thin 16 in/41 cm apart.

826A Rose Queen (36 in/91 cm) Bright rose pink blooms which are attractive in mass plantings. Pkt. (200 seeds) \$2.50; 1/4 oz. \$4.15; oz. \$12.80; 1/4 lb. \$51.20.



Cosmos Apollo Pink



Cosmos Sonata Purple Shades



Cosmos Double Click Mix



Centaurea Polka Dot Mix



Dahlia Figaro Mix



COSMOS



Border bedding plant or mid summer cut flower. Likes full sun. CULTURE: Seed size varies, depending on type. Sow outdoors in warm sandy soil about May 15th. Germinate at 75-80°F/24-27°C soil temp. for 15 days. Plant 0.25 in/6 mm deep, cover lightly, sow in groups of 3-4 seeds, 18 in/46 cm apart. For earlier sow indoors March 15th. Use 4 in/10 cm pots or gallon containers for dwarf types.

838D Limara Lemon (8 in/20 cm) Extra dwarf lemon yellow small 1.5 in/4 cm semi-double blooms cover bushy plants from May until August. Likes partial shade. Crop time 7-8 weeks. Pkt. (40 seeds) \$2.95; 250 seeds \$9.35; 1,000 seeds & over \$25.77 per M.

APOLLO

(18-26 in/46-66 cm) F1 hybrid. The naturally dwarf habit and shorter internodes allows a better shelf life and transport. Meanwhile, larger flowers and better petal quality put on an incredible show in containers or the garden. Very long flowering period with unrivaled disease and heat tolerance. Easy to grow.

832W White
832Y Carmine

832X Pink
832Z Lovesong

Prices for Apollo: Pkt. (25 seeds) \$2.95; 250 seeds \$20.40; 1,000 seeds & over \$56.25 per M.

843A Cosimo Collarette (20 in/51 cm) Early flowering semi-dwarf, semi-double large blooms striped pink/white.

843B Cosimo Red-White (20 in/51 cm) Early flowering semi-dwarf, semi-double large blooms striped red/white.

Prices of the above two: Pkt. (40 seeds) \$2.95; 250 seeds \$11.70; 1,000 seeds & over \$36.11 per M.

843E Xanthos (20 in/51 cm) Unique soft large butter yellow never before seen cosmos. Great cut flower.

843D Capriola (20 in/51 cm) Large white with light rose/red picotee center. Nice accent item.

Prices of the above two: Pkt. (40 seeds) \$4.25; 250 seeds \$25.85; 1,000 seeds & over \$79.55 per M.

843C Rubenza (25 in/64 cm) Best semi-dwarf dark red with contrasting yellow center. Large 3 in/8 cm blooms. Great cut flower, strong stems. Pkt. (40 seeds) \$2.95; 1/4 oz \$14.60; oz \$44.85.

SONATA

(20-25 in/51-64 cm) Bedding or cut flower type. Wind tolerant bushy plants have many 2.5 in/6 cm single blooms. Sonata colors and mix are supplied in Premium grade seed.

834C White
834F Pink Blush
834Z Red Shades

834E Carmine
834G Purple Shades

834D Sonata Mix A formula blend of red, white, pink and rose, all with gold centres.

Sonata colors & mix: Pkt. (25 seeds) \$2.95; 250 seeds \$22.45; 1,000 seeds & over \$61.94 per M.

830 Sensation Mix (3 ft/90 cm) Extra-large 3.5 in/9 cm single blooms. Crimson, pink, white, and rose. 4000 seeds per oz/28gr. AAS Winner. Pkt. (25 seeds) \$2.35; 1/4 oz. \$3.65; oz. \$7.45; 1/4 lb. \$23.40.

844E Double Click Mix (3 ft/90 cm) Likes full sun and rich soil. Great fully double and semi-double large flowers for tall backgrounds or cut flowers all summer long. Pkt. (40 seeds) \$3.25; 250 seeds \$17.60; 1,000 seeds & over \$54.18 per M.



CENTAUREA



Bachelor Button or Cornflower

Both tall and short centaurea make excellent cut flowers. Flower size will increase dramatically if plants are disbudded - labor intensive, but results are well worth the effort. Bedding plants are sold green. CULTURE: 6,000 per oz/28 g. 1/8 oz/3.5 g should provide 600 plants. For greenhouse cut flowers, sow taller types Sept. 15th in raised beds, 12 in/30 cm apart for Feb. blooms; Nov./Jan. for spring blooms. Direct seed in paks for bedding plants March 15th. Outdoor cut flower crops should be sown Apr. 1; thin to 8 in/20 cm apart. Does not transplant well. Pre-chill seed at 40°F/4°C for 5 days before sowing. Germinate in darkness for 7 days at 65-70°F/18-21°C. Do not over fertilize or grow in rich soil - plants become vegetative.

TALL STRAINS

786 Blue Boy (30 in/76 cm) Large dark blue blooms. Pkt. (25 seeds) \$2.50; 1,000 seeds & over \$6.35 per M.

780 Sweet Sultan Mix (30 in/76 cm) Popular large, fluffy thistle-like flowers. Plants prefer dry locations. White, pink and mauve scented blooms. Pkt. (350 seeds) \$2.50; 1/4 oz. \$5.30; oz. \$12.85.



DWARF STRAINS



790 Jubilee Gem (15 in/38 cm) Dark blue. Pkt. (25 seeds) \$2.50; 1,000 seeds & over \$4.04 per M.

795 Polka Dot Mix (16 in/41 cm) Standard extra dwarf mix for bedding plant sales. Colors include blue, purple, pink, white and red. Heavier blooming than taller types. Pkt. (350 seeds) \$2.50; 1/4 oz. \$3.30; oz. \$6.75; 1/4 lb. \$24.95.



DAHLIA



CULTURE: 3,000 seeds per oz/28 g; 0.25 oz/7 g should provide 500 seedlings. Sow Feb. 15th-April 15th for May sales and July blooms. Allow 8-12 weeks from seed to sale for paks and 10-13 weeks for pots. Germ. averages 70% at best. Use a well-drained soil with a PH of 5.8-6.2. Do not over water! Soil should be barely moist to the touch. Do not let plants wilt. Plants need at least 12 hours of daylight to form buds. Short daylength causes plants to produce tubers - not blooms! Germinate at 70°F/21°C days and 65°F/18°C nights for 5-7 days. Transplant 18 days later - smaller seedlings are usually the best colors in a mix.

898A Harlequin™ (12 in/30 cm) A Collarette type 2.5 in/6 cm bloom with extra inner crown, or collar of contrasting colors. Many two-tone solid colors and bicolors. Pkt. (25 seeds) \$4.25; 250 seeds \$19.55; 500 seeds \$33.05; 1,000 seeds & over \$48.16 per M.

FIGARO™

(14-18 in/36-46 cm) Standard double and semi-double O/P for bedding plant sales. Large 2.5 in/6 cm blooms, bushy, uniform plants with dark green leaves.

898C Yellow
898F Red

898D White
898H Violet

898E Orange
898 Mix

Prices for Figaro colors & mix: Pkt. (25 seeds) \$2.75; 250 seeds \$15.50; 500 seeds \$26.25; 1,000 seeds & over \$38.21 per M.

899 Garden Pride (15 in/38 cm) Uniform blooming, semi-double separate colors. Very uniform plants. Shades of red, orange, yellow, pink, rose and white. Coated seed. Pkt. (25 seeds) \$2.75; 250 seeds \$13.35; 500 seeds \$18.95; 1,000 seeds & over \$30.95 per M.

899S Sunny Reggae (20 in/51 cm) Knee-high Collarette with large semi-double blooms in various shades of orange, scarlet, yellowish orange bicolors. For borders and cut flowers. Pkt. (25 seeds) \$4.50; 1/2 oz. \$49.60; oz. \$79.85.

865 Large Flowering Double Mix (3 ft/90 cm) Tall mix with double flowers. Used for cut flower production or bulbs. Extra large heavy blooms, should be staked. Pkt. (50 seeds) \$2.50; 1,000 seeds & over \$12.57 per M.



Cosmos Cosimo Red-White



Kong Lime Sprite



Coleus Crimson Gold



Coleus Chocolate Covered Cherry



Coleus Under the Sun



Dusty Miller Silverdust



COLEUS



CULTURE: Seed size varies 90,000 -110,000 seeds per oz/28 g. For early pot culture sow in Dec. For spring sales sow Feb. 1 - March 15. Allow 8-10 weeks from seed to sale for bedding plants; 12-14 weeks for pots. Germinate seed at 70°-75°F/21°-24°C for 10-12 days. Press seed into soil; do not cover (seed needs light to sprout). Maintain moisture and warm soil during germination. Transplant 15 days after germination, grow plants cooler at 60°F/16°C. Coleus damps off easily - treat plants with fungicide. Semi shade assures darker colors.



WIZARD®

Dwarf 12-14 in/30-36 cm base branching, uniform and low maintenance.

831 Rose **831A Golden**
831E Scarlet/green **831F Mosaic**
831G Velvet Red **831J Jade**
831K Sunset **831L Coral Sunrise**
831M Wizard® Mix Formula blend of 10 colors

Prices for Wizard colors & mix: Pkt. (50 seeds) \$2.75; 500 seeds \$11.65; 1,000 seeds & over \$16.09 per M.



KONG®

(18 in/46 cm) Very large blistered leaves; unique color patterns, well branched plants. Use 4.5 in/11 cm pots. Full shade. Pelleted seed only. PVP.

P824A Lime Sprite **P824K Mosaic** Tricolor
P824S Rose Lime edge **P824R Red** Green edge
P824U Scarlet Green edge
P824T Salmon Pink Green edge

Prices for Kong colors: Pkt. (10 pellets) \$4.95; 100 pellets \$33.85; 1,000 pellets & over \$250.00 per M.



PREMIUM SUN



(18-26 in/46-66 cm) A unique type for full sun or shade! Well branched multi-colored foliage looks great all summer long. Flower spikes do not appear until later than other types. Use for 5 in/13 cm pots or 3 plants per gallon container. Pelleted seed only.

P1811B Crimson Gold **P1811F Watermelon**
P1811D Lime Delight **P1811G Mighty Mosaic**
P1811E Rose Lime Magic
P1811Z Pineapple Surprise

P824C Chocolate Mint (12 in/30 cm) Each leaf is finely edged with a mint green border. Pelleted seed.

P824D Dark Chocolate (24-30 in/61-76 cm) Rich, dark purple foliage appears 'chocolate' in shade. Pelleted seed.

P824E Chocolate Covered Cherry (14 in/35 cm) Tricolor rose center, mahogany background plus green edge. Pelleted seed.

Prices for Premium Sun: Pkt. (10 pellets) \$4.95; 100 pellets \$31.50; 1,000 pellets & over \$232.32 per M.



GIANT EXHIBITION™

Unique Rainbow type colors. Plants average 20 in/51 cm in height.

825P Palisandra Uniform black/burgundy velvet leaves are 6 in/15 cm long, 4 in/10 cm wide at maturity.

825S Rustic Red Rusty brownish red, thin yellow edge

825Q Limelight Pure lime green leaves

825T Marble Green leaves, white center, marbled all over with red.

Prices for Giant Exhibition colors: Pkt. (25 seeds) \$4.50; 500 seeds \$70.25; 1,000 seeds & over \$112.83 per M.

UNIQUE COLORS

831Z Black Dragon (12 in/30 cm) Tongue shaped serrated leaves. Deep red/purplish-black edge. Pkt. (50 seeds) \$2.75; 500 seeds \$12.15; 1,000 seeds & over \$16.41 per M.

822J Striped Rainbow (18 in/46 cm) A novel mixture of striped, colored leaf, rainbow types. Pkt. (50 seeds) \$2.75; 1,000 seeds & over \$14.40 per M.



Each precision multi-pellet contains both colors of Premium Sun Crimson Gold and Lime Delight (Under the Sun) or Chocolate Mint and Lime Delight (Chocolate Symphony) at 95% min. germinate easily grow together. Crop time 8-12 weeks sow to finish. See index for more Fuseables™!

P1901B Under The Sun For partial shade or sunny hanging basket locations. Use 3-5 plugs per container.

P1901E Chocolate Symphony Chocolate Mint and Lime Delight for partial shade hanging basket locations. Use 3-5 plugs or pellets per container.

Prices of the above two: Pkt. (10 pellets) \$5.95; 100 pellets \$44.35; 1,000 pellets & over \$288.73 per M.



DAHLBERG DAISY



CULTURE: 180,000 seeds per oz/28 g. Sow indoors Feb.1-15th for May plants. Germinate at 65°F/18°C for 14 days. Press seed into surface, do not cover. Transplant about 25 days after germination, grow cool at 65°F/18°C. Seeds germinate irregularly at about 65% and should be sown in flats - not plugs. Sell plants green or with early color. Allow 9 weeks for pak sales, 12 weeks for baskets. Flowers mid summer to fall; full sun.

892 Golden Fleece (8 in/20 cm) Masses of 1 in/3 cm yellow daisies on cascading, bright green, fern-like foliage. Likes sunny, dry locations. Use in rock gardens or hanging baskets. Pkt. (50 seeds) \$2.50; 1/16 oz. \$5.05; 1/8 oz. \$8.70; 1/2 oz. \$27.10.



DUSTY MILLER

CULTURE: Sow Silverado, Silverdust and Cirrus in January for 4 in/10 cm pots or by Feb 1-15th for bedding plants. Allow 6-7 weeks crop time for 4 in/10 cm pots. Cineraria.

P798 Cirrus (8 in/20 cm) Larger, wider, silver gray leaves. Very hardy. Best choice for solid gray borders. Pkt. (50 pellets) \$3.95; 250 pellets \$19.20; 500 pellets \$31.80; 1,000 pellets & over \$41.73 per M.

788Z Silverado (8 in/20 cm) Extra high germination for high density growers. Raw seed. Pkt. (150 seeds) \$1.95; 10,000 seeds & over \$1.30 per M.

P788 Silverdust (10 in/25 cm) Leaves are finely cut, silver white - coral like in appearance. Pellets only. 1,000 pellets & over \$9.19 per M.

788 Silverdust (10 in/25 cm) Raw seed. Pkt. (150 seeds) \$1.95; 10,000 seeds & over \$1.13 per M.



ERYSIMUM



CULTURE: (10-12 in/25-30 cm) 14,250 seeds per oz/28 g. A sweet smelling, base branching companion for pansies. CROPTIME 11-12 weeks. Matures about one week later than most pansies from seed. Germinate at 72°F/22°C for 4 days. Cover seed lightly. Grow at 65°F/18°C. PVP.

907A Citrona® Orange **907B Citrona® Yellow**

Prices for Citrona colors: Pkt. (20 seeds) \$3.50; 250 seeds \$33.25; 1,000 seeds & over \$107.85 per M.



Venti Parfait Blueberry Eye



Venti Parfait Strawberry Shades



Dianthus Supra Pink



Dianthus Ideal Select Violet



Euphorbia Glitz White



Dianthus Coronet New Mix



HYBRID DIANTHUS



DIANTHUS BARBATUS, commonly referred to as **SWEET WILLIAM**, is also listed in the perennial section. CULTURE: Approx. 26,000 seeds per oz/28 g. Sow from Feb.20th-March 15th for May blooms in paks. Plant seed 1/8 in/3 mm deep, cover lightly. Germinate in 70°F/21°C soil for 8-10 days. Always use luke warm water. Lower seedling temp. 50°F/10°C as soon as seedlings appear. Transplant in 4-5 weeks at the same seedling depth. Keep well ventilated to prevent damping off. 1/32 oz should provide about 600 seedlings, depending on seed size (which varies). DIRECT SEED: outdoors in early May for cut flowers. Thin 8 in/20 cm apart. Pinch off spent blooms to prolong flowering. **M = 1,000 Seeds or Pellets.**

CARPET™

(6 in/15 cm) Large 1.75 in/4.5 cm blooms with excellent heat tolerance. Blooms about a week after Super Parfaits.

888A Crimson **879 Snowfire**
888 Carpet Mix Formula blend

Prices for Carpet colors & mix: Pkt. (30 seeds) \$3.25; 250 seeds \$13.30; 1,000 seeds & over \$36.29 per M.

SUPRA™

(12 in/30 cm) Supra series are early, short stemmed, fringed 1.5 in/3 cm lacey-like blooms, winter hardy to zone 4. Crop time 12 weeks. Diana colors are early flowering and have large single fringed blooms. Supra Pink is an AAS Winner.

1817A White **1817B Crimson**
1817C Mix **1817D Pink**
1817 Purple

Prices for Supra: Pkt. (25 seeds) \$3.75; 250 seeds \$22.45; 1,000 seeds & over \$61.20 per M.

DIANA™

874K Loving White **874M Blueberry**
874L Lavender Picotee

Prices for Diana: Pkt. (25 seeds) \$4.95; 250 seeds \$25.85; 1,000 seeds & over \$70.42 per M.

SUPER PARFAIT™ & VENTI PARFAIT™

(8-10 in/20-25 cm) A week earlier than original Parfaits. Stronger plants with blush colors with contrasting center eyes. Venti Parfaits produce larger blooms than Super Parfaits. Crop time 15-18 weeks.



1812B Venti Parfait Blueberry Eye Purple center with white edges.



1812C Venti Parfait Strawberry Shades Strawberry center with white/pink edges.

1812 Venti Parfait Crimson Eye Super-sized blooms. Crimson center with pink edges.

875C Super Parfait Raspberry Crimson/dark eye

875D Super Parfait Strawberry White/scarlet eye

875E Super Parfait Red Peppermint White/cherry eye

Prices for Parfait colors: Pkt. (30 seeds) \$3.75; 250 seeds \$19.60; 1,000 seeds & over \$53.43 per M.

CORONET™

(8-10 in/20-25 cm) Uniform flowering time and habit with extra large blooms. Compact, mounded plant. Excellent cool weather performance makes it a great choice to plant with other cool-season annuals like pansies. Pelleted seed only.

P874C Cherry Red **P874D Strawberry**
P874E White **P874Z New Mix**

Prices for Coronet: Pkt. (30 pellets) \$4.95; 250 pellets \$23.15; 1,000 pellets & over \$64.45 per M.

IDEAL SELECT™

(8 in/20 cm) Contains the best colors from the original Ideal series with improved habit and timing, exceptional winter hardiness and extra large early blooms. Very tolerant to heat. A true biennial and excellent companion to pansies. Crop time 9-12 weeks.

881A Raspberry **881B Red**
881C Rose **881E Violet**
881F White **881G White Fire**
881M Mix

Prices for Ideal Select colors & mix: Pkt. (30 seeds) \$3.75; 250 seeds \$17.60; 1,000 seeds & over \$47.98 per M.

JOLT™

(16 in/41 cm) Blooms spring to fall, loves heat and continues to flower without setting seed to reduce fall flowers. Crop time 18 weeks. Pelleted seed only.

P1823B Pink AAS Winner **P1823C Pink Magic**
Pkt. (10 pellets) \$3.50; 100 pellets \$36.70; 250 pellets \$77.80; 1,000 pellets \$212.12 per M.

P1823A Cherry 100 pellets \$36.70; 250 pellets \$77.80; 1,000 pellets & over \$212.12 per M.

AMAZON™

(18-36 in/46-91 cm) Can be used as a bedding plant or cut flower. Dark, green leaves. Neon Duo - 50% cherry/50% purple; Neon Cherry; Neon Purple and Rose Magic - blooms age white/pink/deep rose. Blooms late spring/summer. Pelleted seed only.

P885A Neon Cherry **P885B Neon Duo**
P885D Rose Magic

Prices for Amazon colors: Pkt. (30 pellets) \$5.25; 250 pellets \$37.95; 1,000 pellets & over \$103.55 per M.



EUPHORBIA



CULTURE: 1,500 seeds per oz/28 g. Sow indoors Apr.1st or outdoors May 20th for July foliage. Germinate 65-75°F/18-24°C for 20 days.

909D Glamour (15 in/38 cm) Dark green foliage with very white flowers, no deadheading. For 6 in/15 cm pots and gallons. Crop time 10 weeks. Heat and drought tolerant. Pkt. (10 seeds) \$6.50; 100 seeds \$43.25; 1,000 seeds & over \$260.42 per M.

909C Glitz White (10 in/25 cm) Euphorbia graminea from seed provides ease of seed without the vegetative demands. Perfect "no pinch" habit for premium containers. Mounded plant habit spreads 18 in/46 cm. Likes full sun. Approx. 6 days to germinate @ 65-72°F/18-22°C in moist soil. Crop time 10-13 weeks from seed. Pkt. (10 seeds) \$6.50; 100 seeds \$43.25; 1,000 seeds & over \$260.42 per M.



GODETIA



CULTURE: 42,000 per oz/28 g. Sow direct outdoors May 1st, thin to 8 in/20 cm. They prefer a cool shady location and rather poor soil. Blooms 70 days from seed.

957 Monarch Single (12 in/30 cm) Dwarf plants become smothered with quarter sized silky flowers in shades of pink, white and red. Pkt. (800 seeds) \$2.25; 1/4 oz. \$22.75; oz. \$65.70.

SATIN - DWARF HYBRID

(8 in/20 cm) Extra dwarf F1 hybrid for 4 in/10 cm pots. Base branching plant habit with very uniform flowering time between 8 different colors. Flowers heavily without pinching or use of growth regulators. Can be used outdoors in heavy shaded areas.

957A Satin Mix (8 in/20 cm) Blend of 8 colors. Pkt. (25 seeds) \$4.50; 1,000 seeds & over \$91.12 per M.



Dianthus Jolt Pink Magic



Gazania Big Kiss Red



Gazania New Day Red Stripe



Gomphrena Ping Pong White



Helenium Dakota Gold



Gypsophila Gypsy Deep Rose



GAZANIA



CULTURE: 16,000 seeds per oz/28 g. Sow indoors Feb.15 to Mar.1 for July blooms. Germ. at 60°F/16°C soil temp. in total darkness for 7 days. Do not overwater, it causes crown rot. Flowers close at night. Water once a week!

NEW DAY® SERIES

(8-10 in/20-25 cm) Hybrid. More compact with larger flowers, shorter flower stems and easier to produce than most gazanias. Plants are drought tolerant, hold appearance better in chain stores and garden centers, plus perform well in containers, baskets and outdoors as a bedding plant. Crop time 12-14 weeks from transplanting. Use 306 paks; 4 in/10 cm or 6 in/15 cm pots. Coated seed.

942K Red Shades **942L Rose Stripe**
942N Red Stripe **942P Bronze**
942Q Clear Orange **942R Pink Shades**
942S White **942T Yellow**

942M Mix Blend of 8 colors
942Z Bright Mix Bronze, orange, yellow, pink

Prices for New Day colors & mixes: Pkt. (15 seeds) \$2.95; 250 seeds \$21.80; 1,000 seeds & over \$59.53 per M.

KISS™ & FROSTY KISS™

(8 in/20 cm) Hybrid. Beautiful 3 in/7.5 cm blooms with a mounding plant habit. Frosty shades have silver leaves. All others have green leaves. Croptime 13-15 weeks. Use 4-6 in/10-15 cm pots. Do not use paks. M = 1,000 Seeds or Pellets.

947M Kiss Mix Blend of Flames, orange, rose, yellow, gold, bronze, white, lemon, mahogany

947Y Kiss Flame Mix Orange and Yellow Flames

947Z Kiss Frosty Mix Blend of silver leaf colors
 Pkt. (15 seeds) \$2.95; 250 seeds \$24.30; 1,000 seeds & over \$66.37 per M.

BIG KISS™

(10-12 in/25-30 cm) Hybrid. Sun loving bushy plants with 4.5 in/11 cm blooms that offer color all summer long.

1950A White Flame **1950B Yellow Flame**
1950C Red **1950D Yellow**
1950E White **1950F Orange**
1950M Mix

Prices for Big Kiss colors: Pkt. (15 seeds) \$3.75; 250 seeds \$40.45; 1,000 seeds & over \$110.50 per M.



GOMPHRENA



CULTURE: Sow Mar. 15th in 80°F/27°C soil for 14 days in total darkness. Press fine seed into soil, cover seeds with 0.25 in/6mm of soil. Reduce soil temp. to 70°F/21°C at night. Never overwater seedbeds or transplants.



GNOME - DWARF TYPE

941C Gnome Mix (6 in/15 cm) Pink, white, rose. Use for 4 in/10 cm pots or landscaping. Pkt. (25 seeds) \$2.50; 250 seeds \$6.85; 1,000 seeds & over \$21.06 per M.

PING PONG™

(16-20 in/41-51 cm) Hybrid. Add an explosion of color to containers and mass plantings. Easy to produce, drought tolerant and low maintenance! Adds height and dimension and makes a great cut flower. Spreads 8-10 in/20-25 cm.

941E Purple **941F Lavender**
941G White

Prices for Ping Pong colors: Pkt. (25 seeds) \$2.50; 250 seeds \$14.95; 1,000 seeds & over \$45.83 per M.



LAS VEGAS™



(16-20 in/41-51 cm) Perfect for 4.5 in/11 cm pot production. Short 9-11 week croptime in paks. Heat tolerant.

1931B Purple **1931C White**
1931 Las Vegas Mix

Prices of above colors & mix: Pkt. (50 seeds) \$2.75; 250 seeds \$9.90; 1,000 seeds & over \$30.44 per M.

1932A Audray Bicolor Rose (20 in/51 cm) Rose flowers with white centers. Pkt. (50 seeds) \$2.75; 250 seeds \$13.00; 1,000 seeds & over \$39.88 per M.



WOODCREEK - TALL CUTTING



(24-26 in/61-66 cm) A dwarf everlasting that has a clover-like bloom. Space 5-6 in/13-15 cm apart in well drained, fertile soil.

940A Orange **940C Red**
940K Woodcreek Mix Formula blend of 7 colors

Prices for Woodcreek colors & mix: Pkt. (50 seeds) \$2.50; 250 seeds \$6.25; 1,000 seeds & over \$19.15 per M.

941D Fireworks (48 in/122 cm) Rose pink/yellow tips. Coated seed. **CROP FAILURE.**



GYPSOPHILA (Baby's Breath)



(20 in/50 cm) CULTURE: 25,000 per oz/28 g. Sow indoors from Dec. to April for greenhouse cut flowers. Plants flower about 3 months from seeding. Germinate at 70°F/21°C soil temp. for 10 days. Sow outdoors every two weeks from May 1st to July 15th. Multi-Pellets only.

P959A Gypsy Pink Double blooms
P959B Gypsy Deep Rose Double blooms.
P959C Gypsy White Double blooms

Prices for Gypsy pellets: 100 pellets \$25.90; 500 pellets \$118.90; 1,000 pellets & over \$210.47 per M.

955 Elegans Pure white. Pkt. (300 seeds) \$2.50; 1/4 oz. \$4.65; oz. \$7.50; 1/4 lb. \$12.60.



HELENIUM



CULTURE: Vigorous plants are tolerant to drought, high heat, plus wet and cool conditions. Crop time 8-12 weeks. Sow indoors in a sunny area Feb.15th. Germinates in 3-5 days at 65-75°F/18-22°C. Cover multi-pellet lightly with vermiculite. Grow plants at 75°F/22°C days; 64°F/18°C nights. Plants flower in 8-12 weeks and spread to 24 in/61 cm. Multi-pellet. PVP.

P1725 Dakota Gold (8 in/20 cm) Golden yellow daisy-like flower. Pkt. (10 pellets) \$4.95; 100 pellets \$42.80; 1,000 pellets & over \$247.48 per M.



HELICHRYSUM



CULTURE: 45,000 seeds per oz/28 g. Sow indoors March 15th for florist cut flower. Germinate at 75°F/24°C soil temp. Press seed into surface and do not cover as seed needs light to germinate. Transplant in mid June. Sow outside June 1st in rows 16 in/41 cm apart, thin to 8 in/20 cm apart. Harvest in September - hang upside down to dry. For bedding plants, allow 7-8 weeks from seed to sale in paks. High soil temperature will limit germination.

975 Finest Mix (3 ft/90 cm) Superior Swiss selection, extra large flowers for Eastern growers. Stiff stems, unusual colors. For commercial cut or dried flowers. Pkt. (100 seeds) \$2.75; 1,000 seeds & over \$4.20 per M.



HELIOMERIS



CULTURE: Hardy annual. Bright yellow daisy-like single blooms are free-flowering all summer long. This is a beautiful wild flower in Europe. An approved novelty by Fleuroselect. Use as a bedding plant for large landscaping areas - blooms in July and flowers until late August.

969A Sunsplash (20-25 in/51-64 cm) Lemon yellow/bronze eye. Pkt. (100 seeds) \$4.95; 1/8 oz. \$48.65; 1/2 oz. \$171.05; oz. \$313.00.



HELIOTROPE



CULTURE: 50,000 per oz/28 g. Sow indoors Mar. 1st at 70-80°F/21-27°C alternate night soil temperatures to 60°F/16°C for 15-20 days. Transplant outside after June 10th, space 12 in/30 cm, blooms in July. Attracts bees and has a vanilla scent.

985 Marine Lemoine Strain (24 in/61 cm) Deep purple fragrant blooms. Pkt. (100 seeds) \$2.95; 1/128 oz. \$6.10; 1/32 oz. \$9.45; 1/8 oz. \$33.40; 1/2 oz. \$116.75.



Geranium Bullseye Light Pink



Pinto Premium Orange Bicolor



Flowering Kale Nagoya Rose



Flowering Kale Pigeon Victoria



Geranium Maverick Rose



Flowering Cabbage Osaka Series



HYBRID GERANIUMS



CULTURE: For May 10th blooms in 4 in/10 cm pots, seed by Dec. 20th. Use sterilized soil or a commercial mix (Pro Mix or Jiffy Mix). For more detailed geranium culture, please see our website; www.StokeSeeds.com. **M = 1,000 seeds or pellets.**

MULTIBLOOM™

Produces an ideal 4 in/10 cm pot plant in about 80 days from seed. True multiflora type, averaging 15 flower heads per plant at maturity. It is very important not to check the growth of the plug, seedling or plant. Coated seed.

925A Red 925C Lavender 925H Pink
925I Salmon 925F Capri Coral 925G White
925K Violet 925 Multibloom Mix 9 colors

Prices for Multibloom: 20 seeds \$7.15; 100 seeds \$25.30; 500 seeds \$100.10; 1,000 seeds & over \$181.30 per M.

PINTO™ PREMIUM

Plants are very uniform - flower stems are very short and well branched, free flowering with large round flowers. Uniform flowering colors are easy to schedule, short flower stems make plants easy to ship. Use for Jumbo Paks or 4 in/10 cm pots. Plants require flower growth regulators. Crop time for 4 in/10 cm pots 12-14 weeks. Coated seed.

1914A Coral 1914B Deep Red
1914C Deep Rose 1914D Lavender
1914E Salmon 1914F Salmon Splash
1914G Scarlet 1914H Violet
1914J Orange Bicolor 1914K Rose Bicolor
1914L White 1914M Lavender Rose
1914N Orange 1914P Deep Scarlet
1914Z White to Rose AAS Winner

Prices for Pinto Premium: 20 seeds \$7.30; 250 seeds \$54.80; 1,000 seeds & over \$184.54 per M.

949M Black Velvet™ Formula Mix Distinct bicolor leaves have chocolate centers with a green edge. The dark foliage contrasts well with the bright blooms. 20 seeds \$9.60; 100 seeds \$34.00; 500 seeds \$134.40; 1,000 seeds & over \$243.36 per M

949C Landscaper Red Bright red/white eye, large bloom, well zoned, vigorous branching plant. 20 seeds \$7.90; 100 seeds \$28.05; 500 seeds \$110.90; 1,000 seeds & over \$200.86 per M.

BULLSEYE™

(13-15 in/33-38 cm) Unique chocolate on green foliage. Fewer PGRs needed, make "bench run shipping" uniform. Higher percent of transplantable seedlings. Crop time 13-15 weeks. Coated seed.

1915A Cherry 1915B Light Pink
1915C Salmon 1915D Scarlet 1915E Red

Prices for Bullseye: 20 seeds \$7.70; 100 seeds \$28.90; 500 seeds \$127.10; 1,000 seeds & over \$194.90 per M.

926Z Quantum Formula Mix (12-16 in/30-41 cm) Attractive star-shaped flowers with contrasting serrated foliage are less prone to shattering giving a greater display of color for longer. Outstanding heat tolerance. Scarified and coated seed. 20 seeds \$8.70; 100 seeds \$30.85; 1,000 seeds & over \$220.93 per M.

MAVERICK™

Similar to the Pintos in plant habit and flower shape. Responsive to growth regulators. For pots or bedding plants. Coated seed.

932A Red 932B Pink 932C Salmon
932D Scarlet 932E White 932F Coral
932H Violet 932M Orange 932 Star
932Q Rose 932Z Mix
932L Appleblossom 932N Scarlet Picotee
932K Quicksilver 932R Violet Picotee

Prices for Maverick colors & mix: 20 seeds \$7.30; 100 seeds \$25.75; 500 seeds \$101.90; 1,000 seeds & over \$184.54 per M.



TRAILING IVY GERANIUMS

SUMMER SHOWERS™

True cascading, base branching ivy leaf geraniums from seed. Large open 4 in/10 cm single blooms, dark green, plain leaves. For window boxes and hanging baskets.

948U Fuschia 948G Mix
1917 Tornado Mix™ Blend of 6 colors. Coated seed.

Prices for the above: 20 seeds \$20.60; 100 seeds \$73.00; 500 seeds \$288.60; 1,000 seeds & over \$522.73 per M.

HYBRID FLOWERING CABBAGE

CULTURE: Seed size varies 7,000-14,500 seeds per oz/28 g. Sow indoors Mar. 20th. Germinate at 70°F/21°C for 10 days, transplant into 6 in/15 cm pots. Allow 5-7 weeks from seed to sale. Cut flower type cabbage have 24 in/61 cm tall stems.

1011C Osaka Pink Rose-pink center rosette/green veins
1011B Osaka Red Deep rosy-red center rosette/greenish-purple veined leaves
1011A Osaka White Creamy white interior rosette/green veined leaves
1011 Osaka Mix Blend of red, pink, white cabbages

Prices for Osaka: Pkt. (35 seeds) \$2.50; 250 seeds \$8.30; 1,000 seeds & over \$24.95 per M.



HYBRID FLOWERING KALE

CULTURE: Seed size varies. Sow indoors Mar. 20th. Germinate at 70°F/21°C for 10 days, transplant into 6 in/15 cm pots. Allow 5-7 weeks from seed to sale. Cut flower type kales have 24 in/61 cm tall stems with small round leaf cabbage heads.

PIGEON™

(8-12 in/20-30 cm) Grown for their colorful rosettes of leaves which look like a large, exotic flower. For bedding, fall sales, mixed containers. Popular as a garnish in gourmet markets.

1010C Purple 1010D Red
1010E Victoria 1010F White

Prices for Pigeon colors: Pkt. (40 seeds) \$2.75; 250 seeds \$12.75; 1,000 seeds & over \$35.74 per M.

SONGBIRD™

Round leaf allows better rain drainage. Needs cooler night temperatures and lower fertilizer rates to color properly.

1009B Pink 1009C Red
1009D White

Prices for Songbird colors: Pkt. (40 seeds) \$2.95; 250 seeds \$12.50; 1,000 seeds & over \$37.44 per M.

NAGOYA™

Savoyed center with greenish-purple outer leaves.

1012A White 1012B Red
1012C Rose 1012 Mix

Prices for Nagoya: Pkt. (40 seeds) \$2.50; 250 seeds \$8.30; 1,000 seeds & over \$24.95 per M.

PEACOCK™

1012G Red Rose-pink center/dark crimson leaves
1012D White Creamy white center/bright green leaves
 Prices for Peacock: Pkt. (40 seeds) \$2.50; 250 seeds \$15.25; 1,000 seeds & over \$45.78 per M.

1013J Kamome Pink Fringed pink/green leaves
1013K Kamome Red Fringed red/green leaves
 Prices for Kamome: Pkt. (40 seeds) \$2.50; 250 seeds \$9.70; 1,000 seeds & over \$29.02 per M.

1010B Glamour Red Shiny leaves have waxless quality, medium green fringed with vivid red contrasting centers. Heads average 10 in/25 cm. Pkt. (20 seeds) \$5.95; 250 seeds \$53.20; 1,000 seeds & over \$159.54 per M.



TALL FLOWERING KALE

(24 in/61 cm) Small teacup size heads on tall stems for cut flower sales.

1012Q Crane™ Bicolor Rose & white/green leaf
1012M Crane™ White Cream rose/ green leaf
1012N Crane™ Red Red/wine leaves
1012P Crane™ Rose Rose purple/grey green leaf

Prices for Crane colors: Pkt. (40 seeds) \$2.75; 250 seeds \$12.45; 1,000 seeds & over \$37.34 per M.



Accent Premium Mix



Beacon Select Mix



Imara XDR Mix



Beacon Red/White Mix



Accent Rose Star



Imara XDR Orange



Beacon Coral



Imara XDR Rose



Beacon White



Imara XDR Red



Beacon Salmon



Imara XDR Orange Star



Beacon Violet Shades



Accent Premium Violet Star



Accent Premium Bright Eye



Accent Premium White



Accent Premium Lilac



HYBRID IMPATIENS



CULTURE: For pak sales sow Feb.15th-Mar.10th. Allow 9-12 weeks for paks or 10-14 weeks from seed to sale for pots, containers or hanging baskets. **GERMINATION:** Research data proves that excessively high soil temperatures will prevent germination (over 86°F/29°C). Impatiens like a maximum soil temp. of 70°F/21°C to germinate. Use a sterile medium like Jiffy Mix, press seed into surface without covering it. Provide a uniform moisture level, do not let seeds dry out or it will limit proper germination. Most cultivars require light to begin germination - Accents prefer 2 days without light. If you cover seed flats with plastic sheets to retain moisture make sure you keep them semi shaded and out of the direct rays of the sun. Remove plastic a few hours during sunny days to provide proper ventilation so that you don't kill the seed. Grow plants cool at 60°F/16°C, keep them on the dry side and do not fertilize. Surplus seed **MUST** be stored at 60°F/16°C or less, higher temperatures over long time periods will reduce germination severely. **DISEASE:** Regular (walleriana) impatiens varieties are very susceptible to "Impatiens Downy Mildew" which is an air and soil borne, destructive disease that spreads quickly under moist conditions and cool nights throughout variable northeastern USA and Canada (locations as far north as zone 4a). **M = 1,000 Seeds or Pellets.**

IMARA™ XDR



(10-12 in/30-35 cm) An Impatiens Walleriana with a high degree of resistance to downy mildew. Proven garden performance and reliable flowering all season long.

1857A Orange

1857C Red

1857E Purple

1857G Salmon Shades

1857B Orange Star

1857D Rose

1857F White

1857 Imara XDR Mix

Prices for Imara XDR colors & mix: 50 seeds \$5.95; 250 seeds \$11.60; 1,000 seeds & over \$30.76 per M.

ACCENT™

Syngenta Flowers has installed a fabulous computerized screening system to ensure each seed lot achieves 95% germination and a minimum CASA uniformity rating of 9.65. Vigorous mounded plants with a range of high-demand star pattern colors.

1024D Rose Star

1014U Burgundy

1014P Red Star

1014V Star Mix

Prices for Accent colors & mix: 50 seeds \$5.20; 250 seeds \$10.15; 1,000 seeds & over \$27.04 per M.

BEACON®



(15-20 in/38-51 cm) An Impatiens Walleriana with a high genetic resistance to downy mildew without the use of chemicals. Brings season-long, fast filling color back to gardens and landscapes. Coated seed,

1853A Bright Red

1853C Red/White Mix

1853E Orange

1853G Violet Shades

1853B Coral

1853D Select Mix

1853F Salmon

1853H White

Prices for Beacon colors & mixes: 50 seeds \$7.15; 500 seeds \$24.35; 1,000 seeds & over \$37.11 per M.

ACCENT™ PREMIUM

Large, high quality blooms and strong weather tolerant garden vigor, plus more uniform flowering between colors and a better base branching plant. Ideally suited for 4 in/10 cm pots, large paks or baskets. Crop time 10-11 weeks.

1852A Bright Eye

1852C Lilac

1852E Pink

1852G Rose

1852J Violet

1852L White

1852B Deep Orange

1852D Orange Star

1852F Red

1852H Salmon

1852K Violet Star

1852M Accent Premium Pastel Mix A special blend of designer colors plus rose, pink, white highlighted by a Bright Eye.

1852 Accent Premium Mix Formula blend of the above Premium colors.

Prices for Accent Premium colors & mixes: 50 seeds \$5.20; 250 seeds \$10.15; 1,000 seeds & over \$27.04 per M.



Beacon Orange



Divine Orchid



Xtreme Hot Mix



Super Elfin XP Red Starburst



Xtreme Sapphire Mix



Divine Red



HYBRID IMPATIENS



SUPER ELFIN® XP Best color range

Uniformity, performance and blooming windows have been drastically improved. Uniform, dwarf, free flowering 6 in/15 cm plants. All are green leaf types. All XP colors have been updated and improved for earliness and flower size.

- | | |
|---|-------------------------|
| 1015A Pink | 1015B Violet |
| 1015C Rose | 1015D White |
| 1015E Bright Orange | 1015F Blue Pearl |
| 1015G Scarlet | 1015L Lipstick |
| 1015M Red | 1015Q Coral |
| 1015Y Salmon | 1016G Ruby |
| 1016J Punch | 1016K Clear Mix |
| 1016M Red Starburst | |
| 1016N Salmon Splash | |
| 1015 Mix Formula blend of above. | |

Prices for Super Elfin colors & mixes: 50 seeds \$5.75; 250 seeds \$11.20; 1,000 seeds & over \$29.79 per M.

XTREME™ Best for Plugs

An ultra Super Elfin type bred to produce high quality plugs faster than other types. Colors are limited to best performers and highest germinators.

- | | |
|--|--------------------------|
| 1032A Lavender | 1032B Pink |
| 1032C Red | 1032D Rose |
| 1032E Salmon | 1032F Scarlet |
| 1032G Violet | 1032H White |
| 1032K Lilac | 1032L Orange |
| 1032N Bright Eye | 1032Q Bright Rose |
| 1032M Xtreme Mix Formula blend of 10 colors. | |
| 1032X Utopia Mix Lavender, rose, salmon, violet | |
| 1032Y Hot Mix Deep salmon, scarlet, white, salmon | |
| 1032Z Sapphire Mix Pink, lavender, violet | |

Prices for Xtreme colors & mixes: 50 seeds \$5.20; 250 seeds \$10.10; 1,000 seeds & over \$26.88 per M.



Xtreme Bright Eye



Xtreme Lavender



Super Elfin XP Punch



Xtreme Lilac

NEW GUINEA IMPATIENS



CULTURE: For plugs use 128 to 288 cells. Cover seed lightly with coarse vermiculite to maintain high moisture. Germinate in 6-8 days @ 72°F/22°C and maintain these temps. until seedlings are ready to transplant. Keep area well lit and plugs at 50% moisture content. After transplanting into 306 premium paks, 4 in/10 cm pots or hanging baskets - reduce moisture slightly. Avoid wilting transplants. As plants flower, lower growing temps to 65°F/18°C to increase flower size. Green or bronze leaf.

DIVINE™

F1 hybrid. The best professional quality seed propagated New Guinea impatiens on the market without germination or recent disease issues. **The Divines are highly resistant to Downy Mildew** and work well with mechanical sowing and transplanting operations. Plants average 10-14 in/25-36 cm and spread 12-14 in/30-36 cm. CULTURE: For plugs use 128 to 288 cells. Cover seed lightly with coarse vermiculite to maintain high moisture. Germinate in 6-8 days @ 72°F/22°C and maintain these temps. until seedlings are ready to transplant. Keep area well lit and plugs at 50% moisture content. After transplanting into 306 premium paks, 4 in/10 cm pots or hanging baskets - reduce moisture slightly. Avoid wilting transplants. As plants flower, lower growing temps to 65°F/18°C to increase flower size. Green or bronze leaf.

- | | |
|--|-------------------------------|
| 1856F Red/green | 1855H White/green |
| 1855K Violet/green | 1855S Blue Pearl/green |
| 1855N Orange/green | 1855X Lipstick/green |
| 1855P Lavender/green | 1855U Orchid/green |
| 1855Z Mystic Mix Lavender, white, violet/green | |
| 1855M Divine Mix Blend of above separate colors plus contrasting leaf colors. | |

Prices of above Divine colors & mixes: 100 seeds \$16.80; 1,000 seeds & over \$85.85 per M.



Super Elfin XP Mix



Divine Violet



Divine Blue Pearl



Super Elfin XP Salmon



Super Elfin XP White



Divine Mix



Pacino Mix



Ring of Fire



Sunrich Lime



Jua Inca



SunBuzz



Jua Maya



Sunrich Orange

**HELIANTHUS (Sunflower)****DWARF HELIANTHUS - Blooms with Seeds**

CULTURE: Mature 45-55 days from seed. Use 5-6 in/13-15 cm pots.

981B Sunspot (16 in/41 cm) Golden, single 6 in/15 cm blooms with golden brown centers. Pkt. (30 seeds) \$3.25; 100 seeds \$4.45; 500 seeds \$16.20; 1,000 seeds & over \$26.59 per M.

981Z Pacino Mix™ (16 in/41 cm) Formula blend of 3 colors - lemon yellow/green center, gold, golden yellow/dark center. Single 5 in/13 cm blooms. Great for containers or potted sales. Pkt. (30 seeds) \$3.25; 100 seeds \$6.05; 500 seeds \$22.05; 1,000 seeds & over \$36.19 per M.

TALL HELIANTHUS - Blooms with Seeds

CULTURE: Seed size varies. 250-700 seeds per oz/28 g. Sow outdoors after frost danger, thin to 12 in/30 cm apart. May also be started indoors in peat pots April 1st.

981F Ring of Fire (4 ft/1.2 m) Large 6 in/15 cm tricolor bloom, dark red base, golden tips, dark center. Branching habit, long side stems. AAS Winner. Pkt. (20 seeds) \$3.25; 250 seeds \$20.40; 1,000 seeds & over \$41.31 per M.

981H Cutting Gold (5 ft/1.5 m) Sold as an immature medium size yellow with small black disc and large petals or mature large center disc small petals. Pkt. (25 seeds) \$2.75; 250 seeds \$6.45; 1,000 seeds \$13.05 per M.

979 Color Fashion Mix (6.5 ft/2 m) A beautiful blend of yellow, bronze and red single flowered sunflowers. Provides excellent cutting material and a tall border. Medium sized 4 in/10 cm single blooms. Pkt. (30 seeds) \$3.50; 1/2 oz. \$8.60; oz. \$14.20; 1/4 lb. \$36.85; lb. \$147.40.

980 Mammoth Russian (6.5 ft/2 m) Huge single yellow blooms 10 in/25 cm in diameter are produced on heavy 6.5 ft/2 m stalks. Stake tall plants. Pkt. (40 seeds) \$2.50; 1/2 oz. \$5.00; oz. \$6.05; 1/4 lb. \$10.55; lb. \$42.20.

981E Soraya (6.5 ft/2 m) Extra large 4-6 in/10-15 cm tangerine blooms with dark centers and very thick stems. Yields 20 stems per plant - 20 in/51 cm long. 1700 seeds per oz/28 g. AAS Winner. Pkt. (25 seeds) \$3.25; 250 seeds \$15.30; 1,000 seeds & over \$30.95 per M.

1973A Kong (12 ft/3.5 m) F1 hybrid. Sturdy, 2.5 in/6 cm thick stems and a massive root system provide excellent wind tolerance for the huge 6 in/15 cm, gold blooms with seeds. Pkt. (20 seeds) \$2.75; 100 seeds \$6.80; 500 seeds \$24.80; 1,000 seeds & over \$40.68 per M.

**HYBRID HELIANTHUS Pollen Free, Sterile, Seedless Sunflowers**

The following hybrids are pollen free, seedless types which do not attract birds, have lighter flower heads (no seeds) and thicker stems - making them trouble free and better for cut flowers with longer shelf life than regular sunflowers.

SUNRICH®

(36 in/91 cm) Male sterile. Medium large 6 in/15 cm blooms on sturdy wind tolerant plants. Sunrich colors mature 60 days from seeding with contrasting centers. Orange and Lemon Summer matures 10 days earlier. Daylength neutral.

982P Provence sunlight yellow/brown center.

982N Lime/green

981Q Gold/green

981U Lemon Summer/black

981R Lemon/black

981V Orange Summer/black

981S Orange/black

Prices for Sunrich colors: Pkt. (20 seeds) \$2.95; 100 seeds \$9.50; 500 seeds \$34.60; 1,000 seeds \$56.76 per M.

982K Summer Breeze/green. Pkt. (25 seeds) \$3.95; 250 seeds \$34.55; 1,000 seeds & over \$71.46 per M.

982Z Sunrich Orange DMR (36 in/91 cm) Golden yellow/black disc. Extra DM disease tolerance. Pkt. (20 seeds) \$3.95; 100 seeds \$10.55; 500 seeds \$38.40; 1,000 seeds & over \$56.19 per M.

982B Orange Mahogany Bicolor (5.75 ft/1.75 m) Large pollen free 4 in/10 cm bloom. Single flower with dark mahogany central disc. Pkt. (25 seeds) \$3.95; 250 seeds \$34.55; 1,000 seeds & over \$71.46 per M.

978C Rouge Royal (6.5 ft/2 m) Red/dark disc. Large pollen free 4 in/10 cm bloom. Pkt. (20 seeds) \$2.50; 100 seeds \$6.80; 500 seeds \$24.80; 1,000 seeds & over \$40.68 per M.

VINCENT®

Pollen free. Bred to be less sensitive to day length allowing growers to produce high quality crops early, mid and late season. 5 in/13 cm blooms with an extra ring of flower petals create better filled, more attractive flower heads. Well suited for producing smaller flowers for bouquets or extra large mature flowers.

982H Vincent's Fresh Yellow green center

982J Vincent's Choice Orange brown center

Prices: Pkt. (20 seeds) \$3.50; 100 seeds \$9.10; 250 seeds \$23.45; 1,000 seeds & over \$48.45 per M.

982M Vincent's Choice Deep Orange DMR Pkt. (20 seeds) \$3.75; 100 seeds \$8.95; 500 seeds \$32.50; 1,000 seeds & over \$53.38 per M.

SUN®

(7 ft/2.1 m) Pollen free and day neutral. Grow in the greenhouse or outdoors under longer day length in 65 days. 4-6 in/10-15 cm blooms.

981N Sunbright Golden yellow/brown center
981P Sunbright Supreme Strong stems and necks.

Prices for Sun colors: Pkt. (20 seeds) \$3.25; 100 seeds \$7.25; 500 seeds \$26.45; 1,000 seeds \$43.45 per M.

PROCUT®

F1 hybrid, daylength neutral, single stem types with large 4 in/10 cm pollen free blooms. They mature in 50 days, all have dark discs. Height 5 ft/1.5 m.

979C Bicolor Yellow/mahogany
979B Orange
979A Lemon (can also be dyed with red/blue tips)

Prices of the above: Pkt.(20 seeds) \$3.25; 250 seeds \$17.90; 1,000 seeds & over \$54.72 per M.

NOVELTY COLORS & BICOLORS

The following colors are F1 hybrid pollen free types and mature in about 55 days. Branching plant habits with 3-5 in/9-13 cm blooms.

982C Jade (4 ft/1.2 m) White/lime/green disc. Pkt. (20 seeds) \$2.95; 100 seeds \$10.85; 500 seeds \$39.55; 1,000 seeds & over \$64.93 per M.

982D Ruby Eclipse (6.5 ft/2 m) Ruby/Lemon/Pink/dark disc. Pkt. (20 seeds) \$2.95; 100 seeds \$6.80; 500 seeds \$24.80; 1,000 seeds & over \$40.68 per M.

981W Tiffany (5 ft/1.5 m) Orange/dark disc. Pkt. (20 seeds) \$3.25; 100 seeds \$10.60; 500 seeds \$38.60; 1,000 seeds & over \$63.37 per M.

982F Jua Inca (36-60 in/91-152 cm) Mahogany/Gold bicolor with dark center.

982G Jua Maya (36-60 in/91-152 cm) Rich golden yellow with dark black center.

Prices of Jua Inca and Maya: Pkt. (25 seeds) \$3.50; 250 seeds \$25.55; 1,000 seeds & over \$52.85 per M.

DWARF SINGLE FLOWERED STERILE TYPES

Sow dwarf seedless types about Mar. 1 or 10 weeks before flowering for spring pot plant sales. Germinate seed at 65-75°F/18-24°C for 5-10 days in well-lit area of greenhouse.

982Q SunBuzz (12-20 in/30-51 cm) F1 hybrid. Compact, smaller leaf plant perfect for pots. Yellow with brown center. Pkt. (20 seeds) \$4.50; 250 seeds \$49.00; 1,000 seeds & over \$131.47 per M..



Lobelia Starship Burgundy



Helianthus Choco Sun



Lobelia Starship Scarlet/bronze leaf



Lavender Bandera Deep Rose



Lobelia Starship Blue



HYBRID HELIANTHUS



DWARF SINGLE FLOWERED STERILE TYPES

Sow dwarf seedless types about Mar. 1 or 10 weeks before flowering for spring pot plant sales. Germinate seed at 65-75°F/18-24°C for 5-10 days in well-lit area of greenhouse.

982R Smiley™ Height varies under daylength. Short: 5-8 in/12.5-20 cm Long: 13-16 in/33-40.5 cm. Rich color with broad petals that maintain excellent shape. Pkt. (20 seeds) \$3.95; 100 seeds \$14.90; 500 seeds \$54.25; 1,000 seeds & over \$79.32 per M.

982E Suntastic Gold Yellow w/Black Center (10 in/25 cm) F1 hybrid. Very compact, 5-8 blooms per plant. Ideal for window boxes. AAS Winner. Pkt. (20 seeds) \$5.95; 250 seeds \$84.60; 1,000 seeds & over \$174.83 per M.

981K Choco Sun (10-12 in/25-30 cm) Lemon yellow flowers with dark chocolate brown centers over dark green leaves. Pkt. (20 seeds) \$3.95; 100 seeds \$17.90; 1,000 seeds & over \$107.07 per M. Coated Seed.



HOLLYHOCK (ANNUAL)



CULTURE: Seed size varies 1,900-3,800 seeds per oz/28 g. Sow indoors Apr. 1st; outdoors May 1st at 60°F/16°C soil temp. for 10 days, for Aug. blooms. Space 12 in/30 cm apart. Reseeds. More Hollyhocks in our Perennial Section.

988D Spring Celebrities Formula Mix (30 in/76 cm) Semi dwarf, semi double bloom 14-16 weeks from sowing. Rose, lemon, purple, white, crimson, lilac and pink. Hardy annual to zone 5. Pkt. (15 seeds) \$6.25; 250 seeds \$101.00; 1,000 seeds & over \$261.02 per M.

988A Summer Carnival Mix (4.5 ft/137 cm) Fully double 4.5 in/11 cm blooms. 5 colors. Pkt. (40 seeds) \$2.25; 1/8 oz. \$4.00; 1/2 oz. \$7.45; oz. \$12.70; lb. \$203.20.



LARKSPUR



CULTURE: Annual delphinium. 8,000 seeds per oz/28 g sows 600 ft/186 m of row. 1/4 oz/7.2 g seed per 1,000 plants. Sow March 20th; 10-12 weeks from seed to sale as a bedding plant. Cut flower growers should sow outdoors a week after the last frost. For spring cuts sow in September.

CANNES™

100% double flowered. Used as a commercial cut flower in greenhouse or outdoor cultures. Grows 32-48 in/81-122 cm, depending on day length (short in winter/longer in summer). Allow 160 days crop time in winter and 120 days in summer. Stake for straight stems.

1961A Deep Blue **1961C Rose Stripe**

Prices for Cannes colors: Pkt. (50 seeds) \$2.95; 250 seeds \$13.40; 1,000 seeds & over \$34.74 per M.



HYBRID DWARF LISIANTHUS



CULTURE: Seed is very small, 625,000 seeds per oz/28 g or 22,000 per g, so we offer only pelleted seed. For bedding plant sales sow Feb. 15th for green/pak sales in May. For cutting crops sow dwarf types Aug.15th for April blooms or Nov. for June flowers. Germinate at 70°F/20°C, thin and transplant 2 months later. Cut flowers last about 10 days. Biennial Eustoma (Zones 7-11). (8 in/20 cm) An earlier flowering Lisa type. Dwarf, base branching plants do not require pinching or growth regulator. Allow 120 days from seeding to sale. Pelleted seed.

P1018A Mermaid Blue Pkt. (25 pellets) \$2.75; 500 pellets \$19.70; 1,000 pellets & over \$32.95 per M.



LAVATERA (Mallow)

CULTURE: 3,000 seeds per oz/28 g. Seed looks similar to hibiscus. 4 in/10 cm flowers have distinct waxy sheen with nice green foliage. Sow indoors in peat pots February - March. Germinate at 70°F/21°C for 14-21 days, cover seed. Plants reach 24 in/61 cm in height and bloom by mid July. Great cut flower.



DWARF LAVATERA

4 in/10 cm plants are suitable for commercial pot production. Early flowering with 3 in/9 cm single blooms. Grow 8 in/20 cm plants in pots. Taller garden height up to 24 in/61 cm.

987N Novella Rose Rose on creamy pink. Pkt. (15 seeds) \$2.95; 250 seeds \$21.85; 1,000 seeds \$55.39 per M.

987A Silver Cup (24 in/61 cm) Rose. Pkt. (25 seeds) \$2.50; 1/4 oz \$4.00; 1/2 oz. \$7.05; oz \$10.85.



LAVENDER



CULTURE: Sow indoors in early April or outdoors April 15 - May 15th. Germinate @ 45-60°F/7-16°C for 4 or 5 days. Pre-chill seed for 24 hours before sowing. Press seed into the soil surface, do not cover - it needs light to germinate. Plug production will take 6-8 weeks. Transplant after 30 days into 4 in/10 cm pots - grow @ 60°F/15°C days and 52°F/9.5°C nights.

165F Avignon Early Blue (10-12 in/25-30 cm) Tight, well-branched and strong stemmed plants produce deeper blue flowers earlier than other English Lavenders. Grow as an annual in the early cool season. 100 seeds \$12.65; 1,000 seeds & over \$54.38 per M.

BANDERA

(7-9 in/18-23 cm) Blooms first year. Mounded plant, short harvest.

165G Deep Purple **165M Deep Rose**

100 seeds \$25.40; 1,000 seeds & over \$109.44 per M.



TALL LOBELIA



CULTURE: Sow Jan. 15. Grow as annuals. Tender perennials, zone 6.

STARSHIP™

(20 in/51 cm) F1 hybrid. Crop time 21 weeks. Green foliage. Stems are wind tolerant in full or partial sun. Use 1 or 2 gallon containers. Bloom Summer and Fall. Pelleted seed.



P1041H Scarlet/bronze leaf



P1041D Blue



P1041G Burgundy

P1041C Deep Rose **P1041E Scarlet**

Prices for Starship: Pkt. (25 pellets) \$5.65; 100 pellets \$19.25; 1,000 pellets & over \$130.10 per M.



LOBELIA



CULTURE: 256,000 seeds per oz/28 g. For pak sales or May blooms sow Jan.15th-Mar.15th at 70°F/21°C. for 20 days, as thin as possible. Transplant in clumps of 4 or 5 seedlings per clump, about 4 weeks later. Grow at 45-50°F/7-10°C.

1050 Rainbow™ Crystal Palace (5 in/13 cm) Dwarf standard. Dark blue, bronze leaf. Pkt. (500 seeds) \$2.95; 1/16 oz. \$10.40; 1/4 oz. \$31.65; oz. \$94.85.

DWARF RIVIERA

(5 in/13 cm) Midnight is dark blue type, with bronze leaves. Multi-pellet only.

P1046 Lilac
P1046H Rose
P1046F Marine
P1046E Blue Eyes
P1046M Riviera Mix 8 colors

P1046A Sky Blue
P1046D White
P1046G Midnight
P1046C Blue Splash

Prices for Riviera colors & mix: Pkt. (50 pellets) \$2.75; 1,000 pellets & over \$15.88 per M.



TRAILING LOBELIA

REGATTA™

(8 in/20 cm) 12 in/30 cm spread. Multi-pellets only.

P1040B Lilac
P1040E Rose
P1040G White
P1040M Mix
P1040A Blue Splash

P1040C Marine
P1040D Midnight
P1040F Sky Blue
P1040H Sapphire

Regatta prices: Pkt. (50 pellets) \$2.75; 1,000 pellets & over \$19.34 per M.



Big Top Yellow



Inca II Deep Orange



Marvel II Gold



Marvel II Orange



Proud Mari Gold



HYBRID MARIGOLD



DWARF AFRICAN



SEMI-DWARF AFRICAN



VANILLA

CULTURE: 9,000 seeds per oz/28 g. Germination takes 3-7 days at 75-80°F/24-27°C soil temperature. Sow 1/8 oz/3.5 g of seed for approx. 900-1,000 transplants. Sowing depth 0.25 in/6 mm. **EARLY SOWING:** This type must be sown Jan.10th - Feb.15th to provide some blooms 13 to 14 weeks later. To prevent damping off use a fungicide at time of seeding. Seed sown after Mar.1st will produce taller plants that take 18 weeks to bloom.

ANTIGUA™

The Antigua Series is not sensitive to daylength. Earlier than the Discovery types. Allow 8 weeks to a saleable pak or 10 weeks for pots. Compact, bushy, 10 in/25 cm plants in pots or 12 in/30 cm plants outdoors. Double 2.5 in/6 cm blooms. Detailed/Coated Seed.

D1064A Yellow

D1064B Orange

D1064C Gold

D1064D Primrose

D1064 Antigua Mix

Prices for Antigua colors & mix: Pkt. (25 seeds) \$3.15; 100 seeds \$9.95; 1,000 seeds & over \$63.63 per M.

DISCOVERY™

(10 in/25 cm) This all season hybrid is not sensitive to daylength. Free flowering during long summer days. Blooms are fully double and average 2.5 in/6 cm across. Plants flower about 11 weeks from sowing. Detailed/Coated Seed.

D1065A Yellow

D1065B Orange

Prices for Discovery colors: Pkt. (25 seeds) \$3.15; 100 seeds \$8.80; 1,000 seeds & over \$57.38 per M.

PROUD MARI™

(10-12 in/25-30 cm) Large fully double flower heads provide excellent landscape performance. The three colors have the same bloom time and plant heights. Extra thick flower stems provide good support for the larger flower heads. Ships well. Detailed/Coated Seed.

D1067A Orange

D1067B Yellow

D1067C Gold

Prices for Proud Mari colors: Pkt. (25 seeds) \$3.75; 100 seeds \$10.55; 1,000 seeds & over \$71.48 per M.



Antigua Mix



Marvel II Yellow



Big Top Gold



MARVEL II™

(16-18 in/41-46 cm) Uniformity under both short and long days. Offers improved branching, earliness, flower size and brighter colors. Sturdy stems hold up in shipping and poor weather.

D1077X Gold

D1077Y Orange

D1077Z Yellow

Prices for Marvel II colors: Pkt. (25 seeds) \$3.75; 100 seeds \$9.95; 1,000 seeds & over \$67.36 per M.

BIG TOP™

(16-20 in/41-51 cm) Massive blooms on a sturdy upright plant creates an impressive display of fully double flowers. Multi-branched habit and fantastic flower quality. Detailed/Coated seed.

D1021X Gold

D1021Y Orange

D1021Z Yellow

Prices for Big Top colors: Pkt. (25 seeds) \$3.75; 100 seeds \$11.65; 1,000 seeds & over \$79.12 per M.

INCA II™

(12-14 in/30-36 cm) The INCA II series is slightly shorter, with all colors flowering about 7 days earlier than the original Incas. Much stronger flower stems support fully double blooms. Detailed/Coated Seed.

D1082H Deep Orange

D1082D Gold

D1082E Yellow

D1082F Orange

D1082G Primrose

D1082M Mix

Prices for Inca II colors & mix: 100 seeds \$9.95; 1,000 seeds & over \$63.63 per M.

(16 in/41 cm) F1 hybrid. Novel sturdy dark green bushy plants with double creamy white blooms. This superior plant produces large 2.5-3 in/6-7 cm blooms 11-12 weeks from seeding. Excellent garden performance. Ideal for borders, mass bed plantings or large mixed containers. Detailed/Coated Seed.

D1065V Vanilla Creamy white. 100 seeds \$23.15; 250 seeds \$55.90; 1,000 seeds & over \$161.90 per M.



TALL MARIGOLD



1055 Crackerjack (35 in/89 cm) Popular O/P variety. Improved Super African, more fully double than the old favorite with the same yellow, orange and gold color range. Used by cut flower growers for summer production and fall harvests. When used in chicken feed, hens produce eggs with darker yolks because of the high color concentration in the blooms. Pkt. (75 seeds) \$2.25; 1/4 oz. \$3.60; oz. \$6.40; 1/4 lb. \$18.40; lb. \$73.60.



Inca II Primrose



Vanilla



Super Hero Spry



Bonanza Bolero



Safari Yellow Fire



Durango Flame



Chica Orange



MARIGOLDS (Dwarf Double Carnation Flowered French)



CULTURE: Height 6-16 in/15-41 cm. Tagetes patula. 9,000 seeds per oz/28 g. Germination: 3-7 days at 75-80°F/24- 27°C soil temp. Sow 1/8 oz/3.5 g of seed for approx. 900-1,000 plants. **GREENHOUSE:** Several sowings are possible to spread transplanting over a longer period. We make 3 or 4 sowings about 2 weeks apart, starting about Feb.15th until late April for May or June blooms. Sow seed about 1/4 in/6 mm deep, cover lightly with coarse vermiculite or peat-lite mix, rather than soil. For best results use bottom heat (heating cables) and keep moist with tempered water to maintain soil temp. To bloom in paks sow the dwarf French 7 to 8 weeks before sale. Transplant seedlings into paks about 4 weeks after seeding. After transplanting, lower greenhouse growing temp. to 50-60°F/10-16°C. Temperatures lower than 50°F/10°C reduce growth rate and may affect the flowering date. We find that the newer dwarf French types may be grown at a cooler 50-55°F/10-13°C for shorter, stockier plants. **SMALLER GROWERS:** Sow indoors in flats or pots April 1st as above for mid June blooms. Transplant into 3 in/8 cm pots about 25 days after seeding. Seed may also be sown in rows outdoors June 1st at soil temp. of 60°F/16°C. Transplant 3 weeks later 8 in/20 cm apart. Low outdoor night temperatures of 40°F/4°C may cause plants to turn purple and have slow growth - plants should green up as temperatures increase. Most dwarf French types average 275-375 seeds per g. **DETAILED SEED:** Tail removed for easier mechanical sowing.

D1074Z Flamenco (10-12 in/25-30 cm) Novelty color and unique pattern with yellow centre and red tipped petals. Looks great in the garden or patio containers. Avoid watering in late day or evening. Pkt. (25 seeds) \$2.50; 1,000 seeds & over \$13.18 per M.

LITTLE HERO™

(7 in/18 cm) The earliest flowering of the large flowered extra dwarf types. Excellent hot weather garden performance, ideal for late season sowings, where extreme greenhouse heat in May/early June can cause other strains to stretch. Seed to sale in 9 weeks. Detailed/Coated Seed.

D1072B Orange **D1072C Yellow**

Prices for Little Hero colors: Pkt. (25 seeds) \$2.50; 1,000 seeds & over \$21.28 per M.

JANIE

(8 in/20 cm) All colors mature at the same height, making this series a good choice for pots or containers. Detailed/Coated Seed.

D1091B Bright Yellow **D1091F Deep Orange**

Prices for Janie colors: Pkt. (25 seeds) \$2.50; 1,000 seeds & over \$15.52 per M.

SUPER HERO™

(9 in/23 cm) Meet the next generation of heroes! Early flowering compact plant habit and the most uniform series in paks and pots. Eight colors with a very good and stable flower pattern. Detailed/Coated Seed.

D1069R Harmony **D1069T Orange Bee**
D1069W Spry AAS **D1069X Yellow**
D1069Y Yellow Bee **D1069Z Mix**
D1069V Orange Flame

Prices for Super Hero colors & mix: Pkt. (25 seeds) \$2.50; 1,000 seeds & over \$18.74 per M.

BONANZA™

(10-12 in/25-30 cm) Larger flowered than the Janie types. Blooms average 2 in/5 cm. Bushy plants are early flowering and provide better hot summer garden performance than Janie types. Detailed/Coated Seed.

D1019D Gold **D1019E Bolero**
D1019F Mix **D1019J Flame**
D1019G Bee Gold/red fleck **D1019 Yellow**
D1019C Harmony Gold/mahogany
D1019H Deep Orange The deepest orange double carnation flowered French marigold available.

Prices for Bonanza colors & mix above: 25 seeds \$2.50; 1,000 seeds & over \$13.18 per M.

CHICA™

(10-12 in/25-30 cm) Full double crested flowers are larger than other French Marigolds of this type. Treat your gardens or commercial landscapes to color all season long. Superior uniformity, early to flower with excellent performance. Detailed/Coated Seed.

D1071V Flame **D1071W Orange**
D1071X Gold **D1071Y Yellow**
D1071Z Chica Mix

Prices for Chica colors & mix: 25 seeds \$3.15; 1,000 seeds & over \$25.06 per M.

D1060Z Fireball (10-12 in/25-30 cm) This "New World" Marigold introduces multicolor blooms on the same plant. In spring flowers age and change color from fire-bronze to dark golden ember for maximum contrast. In warmer conditions colors change faster with less contrast. Detailed/Coated Seed. Pkt. (25 seeds) \$2.50; 1,000 seeds & over \$27.67 per M.



Growing Information
available at
www.StokeSeeds.com

TRIPLOID CARNATION FLOWERED

ZENITH

Zenith averages 13 in/33 cm in height and has huge 3 in/8 cm fully double blooms will not produce seed when stressed - so plants continue to flower throughout the hot July and August weather. Average germ. is 80% . Seed to sale in 50 days. Detailed/Coated Seed.

D1075A Lemon Yellow **D1075D Orange**
D1075C Golden Yellow **D1075G Red**

Prices for Zenith: Pkt. (25 seeds) \$3.70; 100 seeds \$10.15; 1,000 seeds & over \$68.80 per M.

CRESTED FRENCH ANEMONE FLOWERED

SAFARI™

(13 in/33 cm) A larger Sophia type with a much larger, very flat crested flower, similar but earlier blooms. Detailed seed.

D1070 Yellow **D1070A Orange**
D1070B Scarlet **D1070D Tangerine**
D1070G Red **D1070J Yellow Fire**
D1070E Bolero Yellow with red splashes
D1070M Safari Mix Formula blend Safari colors

Prices for Safari colors & mix: Pkt. (25 seeds) \$2.50; 1,000 seeds & over \$9.96 per M.

DURANGO™

(10-12 in/25-30 cm) An improved, early, free flowering plant that is very uniform in height, with good base branching habit. Strong stems support 2-2.5 in/5-6 cm true anemone type blooms with rich colors. Great pak and outdoor performance! Detailed/Coated Seed.

D1099A Bee **D1099B Bolero**
D1099C Flame **D1099D Gold**
D1099F Orange **D1099G Red**
D1099H Tangerine **D1099J Yellow**
D1099 Mix
D1099K Outback Mix Blend of bolero, red, yellow and tangerine

Prices for Durango colors & mixes: Pkt. (25 seeds) \$2.50; 1,000 seeds & over \$11.99 per M.



Zenith Lemon Yellow



Janie Deep Orange



Morning Glory Mix



Morning Glory Venice Mix



Nemesia Poetry Mix



Marvel of Peru Mix



Marigold Disco Granada



SINGLE MARIGOLD

DISCO™

This extra dwarf collection of singles is recommended as early flowering, 10 weeks from seeding, bedding plants or use in 4 in/10 cm pots. Detailed/Coated Seed.

D1060A Red

D1060B Marietta

D1060C Orange

D1060F Yellow

D1060H Granada Gold/red

D1060 Mix Formula blend of Disco colors.

Prices for Disco colors & mix: Pkt. (25 seeds) \$2.50; 1,000 seeds & over \$23.89 per M.

MINI FLOWERED SINGLE TYPE

Very dwarf with distinct mound shaped, fern-like plants. Dime size blooms cover the plants. For window boxes, borders or rock gardens.

1038 Tangerine Gem (12 in/30 cm) Orange

1073A Lulu (8 in/20 cm) Lemon yellow

1073 Little Giant (8 in/20 cm) Gold

Prices for the above 3 colors: Pkt. (75 seeds) \$2.50; 1/4 oz. \$11.00; oz. \$33.35; 1/4 lb. \$113.10.



FOUR O'CLOCK (MARVEL OF PERU) 🌱

CULTURE: Sow indoors April 1st in pots or outdoors June 1st. Blooms 60 days from seeding. Fragrant flowers open in late afternoon and keep flowering till next morning, longer on cloudy days.

1110 Marvel of Peru Mix (24 in/61 cm) Rose, red, yellow, pink and white. Pkt. (40 seeds) \$2.50; 1/4 oz. \$4.05; oz. \$6.40; 1/4 lb. \$15.40.

1110A Marbles Mix (25 in/64 cm) Spectacular formula mix of three striped bicolors - soft yellow/white, red on white and orange/yellow on red marbled flowers. Great fragrance, unique cut flower. Pkt. (40 seeds) \$2.75; 1/4 oz \$7.60; oz. \$14.00.



MATTHIOLA (Scented Stock) 🌱

CULTURE: Sow May 15th, blooms all summer.

1114 Bicornis (18 in/46 cm) Sow in a sunny place for best plant growth. Press seed into soil surface. Seed germinates in about 14 days. Lilac/purple blooms. 2.5 in/6 cm blooms provide fragrance all night. Pkt. (350 seeds) \$2.25; 1/4 oz. \$6.35; oz. \$9.35.

MORNING GLORY (Ipomoea)

CULTURE: Approx. 800 seeds per oz/28 g. Soak seed 48 hours in wet paper towel, or nick pointed end of seed with knife for faster germination. Sow indoors Apr. 15th into 3 in/8 cm. 3 seeds per pot (about 5 weeks from sales), 0.25 in/6 mm deep, cover and keep moist at 70°F/21°C soil temp. until seedlings appear. Stake each seedling to encourage climbing and prevent tangling. Sow directly outside May 30th; thin to 6 in/15 cm apart, support with trellis or fence.

1116 Scarlet O'Hara (8 ft/2.4 m) Rich dark red in color

1115 Heavenly Blue (12 ft/3.5 m) Sky blue flowers

1117 Morning Glory Mix Colors include blue, pink, rose, purple and white.

Prices for Morning Glory colors & mix: Pkt. (70 seeds) \$2.50; oz. \$7.00; 1/4 lb. \$16.80; lb. \$67.20.

VENICE™



(8 ft/2.4 m) Unique bicolors.

1111C Blue Bicolor

1111D Pink Bicolor

1111B Venice Mix Pink, white, red & blue bicolors

Prices for Venice colors & mix: Pkt. (50 seeds) \$2.75; 1/4 oz. \$6.20; oz. \$17.80.

1111A Cameo Elegance Easy to grow plant with profuse blooms. Excellent as a climbing vine, in hanging baskets or as a trailing potted plant. Can climb 8 ft/2.4 m. Attractive foliage is variegated and blooms are a rose-red with a white throat. Pkt. (70 seeds) \$2.75; 500 seeds \$15.85; 1,000 seeds & over \$24.01 per M.



DOUBLE MORNING GLORY 🌱



CULTURE: Sow indoors March 15th, 0.5 inch deep in compost or sandy soil. Soak hard seeds in water for 24 hours to aid germination. Maintain 70°F/21°C soil temps, keep moist until seedlings appear. Transplant into pots 3 weeks later. Transplant outdoors by mid-June 12 in/30 cm apart. 6 ft/2 m high. Crop time 80 days. Blooms July-Oct. 90% plus germination.

1115Z Split Second Double Stunning rosy-pink full double blooms are unforgettable when you see them! Pkt. (10 seeds) \$2.75; 100 seeds \$13.00; 500 seeds \$43.95; 1,000 seeds & over \$66.68 per M.



4 Easy Easy Ways To Order!

Please see page 1 for Details.



DWARF MORNING GLORY 🌱



CULTURE: 476 per oz/28 g. Sow indoors in peat pots May 1st and set outside in June. Sow outdoors May 20th space 12 in/30 cm apart. Direct seeding in pots or hanging baskets is recommended as morning glories are difficult to transplant.

1122 Dwarf Picotee Mix Bush convovulus. (12 in/30 cm) Bushy bright green and white foliage combined with red, pink, azure blue, salmon blooms with unique picotee-white margins. Pkt. (20 seeds) \$4.95; 1/4 oz. \$52.80; oz. \$98.55.



MOONFLOWER 🌱



CULTURE: Approx. 114 seeds per oz/28 g. See Morning Glory culture for more information.

1118 Moonflower Huge fragrant white blooms on a night flowering vine. Support with trellis. Pkt. (25 seeds) \$2.50; oz. \$7.00; 1/4 lb. \$16.80.



NEMESIA (Nana Compacta) 🌱



CULTURE: Approx. 90,000-140,000 seeds per oz/28 g. Sow indoors for pots in February for May sales with pansies, or outdoors in April for late June blooms. Germinate at 60-65°F/16-18°C for 10-14 days cover seed lightly. Grow plants cool at 55°F/13°C.

PRETTY PLEASE™

(8-10 in/25-30 cm) Large, bold, bicolor flowers on a compact densely-branched plant habit. Tidy plant stature spreads 8-10 inches and is ideal for small pots. Pelleted seed.

P1141C Blue Bicolor

P1141D Pink Bicolor

Prices for Pretty Please colors: Pkt. (10 pellets) \$4.75; 250 pellets \$22.75; 1,000 pellets & over \$61.92 per M.



POETRY™

Plants branch nicely without pinching. All colors are fragrant and well suited for bedding plants or container use. Cool crop companion with pansies. Crop time 11-12 weeks. Pelleted Seed.

P1144B Blue

P1144D White

P1144E Deep Pink

P1144 Mix Formula blend of above.

Prices for Poetry colors & mix: Pkt. (10 pellets) \$4.75; 250 pellets \$24.65; 1,000 pellets & over \$67.08 per M.



Nemophila Baby Blue Eyes



Nicotiana Perfume Mix



Nasturtium Whirlybird Mix



Nasturtium Peach Melba



NASTURTIIUM



CULTURE: Approx. 175 seeds per oz/28 g. Sow seed directly into peat pots, hanging baskets or containers. For bedding plant sales, sow April 10th, 4-5 weeks before sale. Sow outdoors May 1st after the ground warms up. Thin seedlings to 8 in/20 cm apart. Plants bloom about 50 days from seeding. Popular as an edible flower to garnish salads.

1127 Cream Troika (10 in/25 cm) Pale creamy yellow blooms with distinct maroon markings on bicolor variegated foliage. Pkt. (25 seeds) \$2.75; oz. \$16.10; 1/4 lb. \$43.35.

1124J Peach Melba (12 in/30 cm) A dwarf, non-trailing nasturtium with flowers in varying shades of yellow and cream with dark orange blotches in the center. Hanging basket type. Pkt. (25 seeds) \$2.75; oz. \$19.80; 1/4 lb. \$53.35; lb. & over \$213.40 per lb.

1130 Alaska Mix (12 in/30 cm) Dwarf nasturtium with variegated leaves and a mix of gold, orange, red and yellow flowers. Bicolored foliage is great for rock gardens or hanging baskets. Pkt. (25 seeds) \$2.75; oz. \$16.00; 1/4 lb. \$43.15; 1/2 lb. \$86.30; lb. & over \$172.60 per lb.

1128A Jewel Mix (12 in/30 cm) A rainbow of brilliant gold, orange, red and yellow blooms. Standard bedding plant strain.

1126 Tall Dark Foliage Mix (2 ft/61 cm) Excellent ground cover for sunny slopes. Orange, gold and red double flowers.

1128 Empress of India (2 ft/61 cm) Dwarf, non-trailing nasturtium with stunning scarlet flowers and deep, blue-green leaves.

Prices for the three above: Pkt. (25 seeds) \$2.75; oz. \$6.85; 1/4 lb. \$18.50; 1/2 lb. \$37.00; lb. \$74.00.



Oxalis Yellow



NASTURTIIUM



WHIRLYBIRD™

(12 in/30 cm) A top blooming series with separate colors and mix. Flowers are without the usual black spur and consequently are able to sit open-faced, right on the top of the stem. Excellent for hanging baskets, rock gardens or flower beds.

1124A Cherry Rose **1124C Mahogany**
1124E Scarlet **1124 Whirlybird Mix**

Prices for Whirlybird colors & mix: Pkt. (25 seeds) \$2.95; oz. \$23.15; 1/4 lb. \$62.45; 1/2 lb. \$124.90; lb. & over \$249.80 per lb.



NEMOPHILA (Insignis Blue)



CULTURE: 11,000 seeds per oz/28 g. Sow directly into peat pots or paks April 15th for late May sales. Flowers in June. Germinate at 70°F/21°C. Sow outdoors in May, thin to 8 in/20 cm apart.

1129 Baby Blue Eyes (4 in/10 cm) An ideal border plant. Sow where it is to bloom May 15th, to produce a cloud of cup shaped flowers, sky blue in color. Season from June till frost. Pkt. (250 seeds) \$2.25; 1/8 oz. \$4.65; 1/4 oz. \$6.20; oz. \$24.80.

OXALIS

1805 Oxalis Yellow (8-12 in/20-30 cm) Valdiviensis. Annual. Easy to grow. Nice green plant with clover type leaves and 2 in/5 cm golden yellow flowers that keep blooming from June to Sept. Use in flower beds as a border plant or for potted sales. Crop time approx. 50 days. Pkt. (80 seeds) \$4.45; 1/4 oz \$34.20; oz. \$75.70.



Nicotiana Saratoga Mix



NICOTIANA



FLOWERING TOBACCO

CULTURE: 168,000 per oz/28 g. Sow March 10th-April 1st indoors at 75°F/24°C soil temperature for 14 days. Do not cover seed - needs light for germination. Sow outdoors May 15th. Blooms 6 weeks from seed.

1134 Daylight Sensation (29 in/75 cm) Opens in the daylight. Colors in shades of white, pink and carmine.

Flowering Tobacco prices: Pkt. (1,000 seeds) \$2.50; 1/8 oz. \$5.00; 1/2 oz. \$12.05; oz. \$24.10.

HYBRID NICOTIANA

250,000 seeds per oz/28 g. Bushy free flowering plants. Sow about March 1st, transplant into 2.25 in/6 cm containers for sale. For June 6 in/15 cm pot sales, sow 10 to 12 weeks before sales. No pinching. Allow 10-12 weeks from seeding for flowering pots; 6 weeks for the sale of green bedding plants. Responds to Cycocel 3 weeks after transplanting.

SARATOGA™

(10-12 in/25-30 cm) The earliest and shortest nicotiana on the market. Vigorous seedlings produce uniform plants for use in paks, 4 in/10 cm pots or gallon containers. Pelleted seed only.

P1196A White **P1196B Red**
P1196C Lime
P1196E Purple Bicolor
P1196 Saratoga Mix Blend of 8 colors.

Prices for Saratoga colors & mix: Pkt. (50 pellets) \$2.75; 1,000 pellets & over \$37.95 per M.

PERFUME

(16 in/41 cm) F1 hybrid. Highly scented. Ideal for 4 in/10 cm pots. Pelleted seed only.

1142A Deep Purple AAS Winner
1142B Perfume Mix Blend of 6 colors.

Prices for Perfume: Pkt. (50 seeds) \$2.60; 1,000 seeds & over \$31.88 per M.



Mammoth 1735K



Frizzle Sizzle 1989H



Spring Matrix 1738G



Spring Matrix 1738M



Spring Matrix 1738H



Delta 1744G



Mammoth 1735M



Delta 1745K



Frizzle Sizzle 1989J



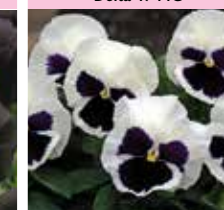
Frizzle Sizzle 1989B



Delta 1745J



Halloween



Mammoth 1735D



Frizzle Sizzle 1989D



HYBRID PANSY



DELTA™ PREMIUM SERIES

(4-6 in/10-15 cm) Large 3 in/8 cm blooms in a wide color range of clear and blotched types. Bred for increased overall plant strength and vigor. Uniform plants are extremely heat and weather tolerant. Short, sturdy stems hold blooms upright for maximum appeal. Hardy below the 43rd parallel (Detroit, Michigan).

**1745K Pure Orange****1744A Beaconsfield****1744D Marina****1745H Blue Morpho****1744T Tapestry Red/gold****1744K Pure Light Blue****1744G Primrose Blotch****1744L Pure Primrose****1744S Rose Blotch****1744W White Blotch****1744V Violet & White****1744X Yellow Blotch****1744Y Yellow/Purple Wing****1744H Pure Golden Yellow****1745J Lavender Blue Shades****1744F Persian Medley** Lilac shades**1744 Delta Premium Mix** Blend of best Delta colors**1744Z Blotch Mix** Blend of colors with blotches

Prices for Delta Premium colors & mixes: Pkt. (20 seeds) \$3.50; 250 seeds \$18.75; 1,000 seeds & over \$46.62 per M.

MAMMOTH™

(6-8 in/15-20 cm) F1 Hybrid. The most uniform extra large pansy on the market. Use for spring or fall sales. A strong branching habit fills containers quickly, resisting stretching in the greenhouse and outdoors during warm weather - due to a strong robust root system. Extra large blooms have firm petals that stand up to rain and irrigation. Compact plants have reduced daylength sensitivity which provides excellent foliage/bloom ratios during spring and fall conditions. Crop time 10-12 weeks. Hardy below the 43rd parallel (Detroit, Michigan). M = 1,000 Seeds.

1735A Big Red Dark red/black blotch/gold eye**1735B Blue-ti-ful** Blue/black blotch/gold eye**1735C Deep Blue Dazzle** Black blotch/gold eye**1735D Glamarama** White, purple blotch/gold eye**1735E On Fire** Red Cap/yellow picotee/dk brown blotch**1735F Prima Yellorina** Mid yellow/strong yellow blotch**1735H Rocky Rose** Wine rose/black blotch/gold eye**1735J Sangria Punch** Scarlet/yellow picotee/wine blotch**1735K Viva la Violet** Cap/white picotee/violet blotch**1735L White Hot** Pure white/yellow eye**1735M Pink Berry** Pink shades**1735 Mammoth Mix** Formula blend of colors

Prices for Mammoth colors & mix: Pkt. (20 seeds) \$3.50; 250 seeds \$19.00; 1,000 seeds & over \$45.62 per M.

SPRING MATRIX™

(8 in/20 cm) Grower tested and selected throughout northern USA, Canada and Europe to provide extra short plant stems, thicker flower petals to resist curling. A base branching plant habit that resists stretching and produces earlier spring flowers. Very uniform and has superior performance under short daylength during late spring conditions, which provides better flower production for earlier sales. Spread 8-10 in/20-25 cm.

1738A Blue**1738C Deep Orange****1738F Midnight Glow****1738H Pink Shades****1738J Purple****1738L Rose****1738N Scarlet****1738Q White/Blotch****1738S Yellow/Blotch****1738U Rose Blotch****1738W Primrose****1738Z Spring Matrix Clear Mix****1738Y Spring Matrix Blotch Mix****1738 Spring Matrix Mix** Formula blend of colors

Prices for Spring Matrix: Pkt. (20 seeds) \$3.50; 250 seeds \$19.75; 1,000 seeds & over \$49.11 per M.

FRINGED VARIETY

FRIZZLE SIZZLE

An F1 hybrid version of the fringed or ruffled edge chalon type. Plants average 4 in/10 cm and provide finished plants in about 10 weeks from seeding. Large 3 in/8 cm single ruffled blooms on well-branched uniform plants. Excellent for pots or massed beds.

1989A Blue**1989E Orange****1989H Lemonade****1989D Yellow/Blue Swirl****1989 Frizzle Sizzle Mix**

Prices for Frizzle Sizzle colors & mix: Pkt. (20 seeds) \$3.50; 500 seeds \$35.00; 1,000 seeds & over \$49.11 per M.

UNIQUE COLORS

1192A Halloween Pure black with yellow eye. Pkt. (20 seeds) \$2.75; 250 seeds \$20.65; 500 seeds \$36.60; 1,000 seeds & over \$56.74 per M.

1157C Ultima Morpho Blue/yellow. AAS Winner. Pkt. (20 seeds) \$3.95; 250 seeds \$28.40; 1,000 seeds & over \$77.98 per M.

MAJESTIC GIANTS II

Larger flower size, with earlier, more compact plant and freer flowering than original series. Hardy below Detroit, Michigan.

1195 Majestic Giants II Mix 250 seeds \$27.30; 500 seeds \$48.40; 1,000 seeds & over \$67.88 per M.

F2 HYBRID PANSY

1146C Joker Poker Face Dark orange petals/purple cap with black face. Pkt. (25 seeds) \$2.75; 250 seeds \$12.00; 1,000 seeds & over \$20.94 per M.

STOKES SWISS GIANT PANSIES

Noted for robust habit of growth and large, long stemmed blooms. Winter hardy strain to zone 4B. Best O/P variety. Over 10 color formula blend. Popular with large commercial growers.

1145 Exhibition Mix Formula blend from the most popular European grown plain and blotched types. Pkt. (125 seeds) \$2.75; 1/16 oz. \$13.40; 1/8 oz. \$21.95; 1/2 oz. \$69.15.



Spring Matrix Clear Mix

Stokes Seeds Ltd.



Wonderfall 1754D



Quicktime 1991E



Sorbet XP 1987W



Quicktime 1991G



Cool Wave R1748Q



Penny 1742H



Wonderfall 1754E



Quicktime 1991A



Sorbet XP 1988M



Colormax 1990D



Sorbet XP 1988T



Cool Wave R1748R



Quicktime 1991B



Colormax 1990J



VIOLAS - MINI PANSIES & TRAILING PANSIES



Approx. 40 seeds per 1/512 oz/0.11 g. Approx. 17,000-28,000 seeds per oz/28 g. Seed size varies according to color. Most growers treat pansies and violas as annual crop - sowing seed in the greenhouse from Dec.15th- Feb.15th for early spring or summer sales. Allow 14-18 weeks from seed to sale for paks and 16-20 weeks for pots. Pre-chill seed at 35-40°F/2-4°C for 24 hours. Sow seed in shallow 1/8 in/3 mm deep trenches, press seed into the surface and cover lightly with a dusting of fine soil. Keep soil temps. cool at 65-70°F/18-21°C for 8-15 days. Cover seed flats with black plastic or newspaper. Keep seeds without light until germination. Choose a cool shaded area out of direct sunlight so you will not cook the seed under the plastic. Reduce soil temperatures to 50°F/10°C after germination. Transplant 4 weeks later - grow plants cool, in well ventilated area. **M = 1,000 Seeds or Pellets.**



F1 HYBRID VIOLA



QUICKTIME™

(6-8 in/15-20 cm) Early blooming, free-flowering plants give gardens a splash of color in early spring or fall. Compact, uniform habit covered in 1-1.5/3-4 cm blooms. Crop time 4.5-5 weeks.



1991H Yellow Blotch

1991A Blue Purple Jump Up

1991B Lemon Jump Up

1991D White Blotch

1991E Yellow Blue Jump Up

1991F Yellow Violet Jump Up



1991G Blue

1991C Mickey

Prices for Quicktime colors: Pkt. (20 seeds) \$2.95; 500 seeds \$26.80; 1,000 seeds & over \$36.37 per M.

SORBET® XP

(6-8 in/15-20 cm) Early prolific bloomers with uniform habit that remains compact in a range of weather conditions.

1988T Neptune

1987B Blue/Blotch

1987N Yellow/Blotch

1987P Yellow Jump Up

1987Q Delft Blue

1987U Blackberry

1987W Pink Halo

1987Z Mix

1988E White/Blotch

1988G Orange Jump Up

1988H Lavender Pink

1988S Autumn Mix

1988K Yellow Pink Jump Up

1988Z Spring Select Mix

1988P Yellow Burgundy Jump Up

1988Q Yellow Blue Jump Up

1988R Raspberry Sundae Mix

1988F Y.T.T. (Yesterday, Today, Tomorrow) Changes color as it matures, opens white then to shades of blue.

Prices for XP colors & mixes: Pkt. (20 seeds) \$2.95; 500 seeds \$26.80; 1,000 seeds & over \$37.62 per M.

1987A Beaconsfield

1987H Purple

1987M Yellow

1987L White

1987R Raspberry

1987V Marina

1987Y Red Blotch

1988C Morpho

1988L True Blue

1988M Deep Orange

1988N Pink Wing

1988 Jump-up Mix

PENNY™

(4-6 in/10-15 cm) Penny's unique mounded plant habit suits a wide range of pot and container sizes. Tolerates more heat and stretches less than other hybrid violas. Hardy to 44th parallel. Spring croptime 11-13 weeks. Fall croptime 9-10 weeks.

1742A Orange

1742B Orange Jump Up

1742D White Jump Up

1742J Purple Picotee

1742E Yellow Jump Up

1742H Peach Jump Up

1742L Denim Jump Up

1742R White/Blotch

1742T Primrose Picotee Yellow/Purple

1742W Azure Dawn Pastel Blue and Yellow Shades

1742 All-Seasons Mix Blue/Orange/Yellow/Yellow Frost

1742C Red/Blotch

1742F Yellow

1742N Mickey

1742P Red Wing

1742Q Clear Yellow

1742S Marlies

1742Y Marina

Prices for Penny colors & mix: Pkt. (20 seeds) \$2.95; 500 seeds \$24.85; 1,000 seeds & over \$33.67 per M.

GIANT VIOLA

COLORMAX™

(4 in/10 cm) F1 hybrid. ColorMax is a giant-flowered viola that is heat tolerant and fills pots easily, even under heat stress where standard violas suffer. It is a superb autumn performer and a great choice to start the season. This alternative to pansies comes in a number of eye-catching and unique colors that are extremely versatile - perfect for pots, packs, baskets and mixed containers. Primed Seed.

1990B Clear Orange

1990D Clear Yellow

1990F Lemon Splash

1990H Purple Glow

1990J Rose w/Blotch

1990K Yellow Jump Up

1990Z Lemonberry Pie Mix

1990 ColorMax Mix

1990A Berry Pie

1990C Clear Purple

1990E Icy Blue

1990G Popcorn

Prices for ColorMax colors & mix: Pkt. (20 seeds) \$2.95; 250 seeds \$27.30; 1,000 seeds & over \$67.88 per M.



HYBRID TRAILING PANSY

WONDERFALL™

(8-10 in/20-25 cm) Unique plants spread 18-24 in/46-61 cm and have medium to large sized blooms. Vigorous well branched, early flowering habit requires fewer plants per container. Provides fast, uniform, well filled containers for spring sales of premium quarts, 6 in/15 cm pots and hanging baskets. Plants have a long shelf life with continuous flowering through all seasons. Crop time: Spring 10-12 weeks. Fall: 9-11 weeks from plugs.

1754A Blue Picotee Shades **1754G Purple**

1754C Purple/Blue Shades **1754K Yellow**

1754D Rose Shades/Face

1754F Blue/Blotch

1754E Yellow/Red Wing

1754L Yellow/Blotch

1754B Lavender Picotee Shades

Prices for WonderFall colors: Pkt. (20 seeds) \$6.50; 250 seeds \$72.45; 1,000 seeds & over \$203.96 per M.

COOL WAVE®

(8 in/20 cm) Plants have a very prostrate, spreading 24-30 in/60-75 cm habit - perfect for hanging baskets and unique ground cover landscaping. Blooms are similar in size to mini pansies and hold up well in rainy weather better than large flowered types. Crop time: Seed to finish approx. 20-21 weeks. Most popular pansy in chain stores. Primed Seed.

R1748Q Raspberry Swirl

R1748R Strawberry Swirl

R1748B Violet Wing

R1748E Golden Yellow

R1748G Blueberry Swirl

R1748N Lemon

R1748H Sunshine N' Wine

R1748 Cool Wave Mix Above colors plus Lemon

R1748Z Pastel Mix White/Yellow/Frost/Violet Wing

R1748A Frost

R1748C White

R1748F Purple

R1748J Blue Skies

R1748L Raspberry

R1748M Fire

Prices for Cool Wave colors & mix: Pkt. (20 seeds) \$7.50; 100 seeds \$34.70; 1,000 seeds & over \$264.51 per M.



Order Online Now!

www.StokeSeeds.com



Easy Wave Rose Fusion



FotoFinish Burgundy



Trilogy Purple Vein



Trilogy Lime



FotoFinish Rose Star



Easy Wave Lavender Sky Blue



Trilogy Pink Lips



FotoFinish Mix



Opera Supreme Purple Vein



Easy Wave Yellow



HYBRID MULTIFLORA PELLETTED PETUNIAS



Multiflora petunias are much better garden performers than the more popular grandifloras. The Celebrity series has the earliness of grandifloras, the garden performance of the old multifloras, a slightly larger bloom and better pak and pot appearance. We prefer to call these "floribundas". GERMINATION: Most multifloras and grandifloras average 90% germ. CULTURE: For early spring container sales, start seed in Feb.-Mar. and transplant into paks or flats, then move transplants to containers about 4 weeks before sale. For early spring pak sales, allow 12 weeks from time of sowing at 50°F/10°C temperature. Germinate at soil temp. of 80°F/27°C in light (86°F/30°C air temp). A 80°F/27°C air temp. at night should maintain a 60°F/16°C soil temp. Use seedling mix as a growing medium with bottom heat if possible. All Multifloras are sold as pelleted seed only.

MULTIFLORA HANGING BASKET TYPES

OPERA SUPREME®

Similar to the original Wave type in its prostrate 6 in/15 cm height, but with a much stronger stem and more abundant flowers. Crop time is only 10 weeks from seed. Excellent trailing/spreading habit, with plants extending to 3.5 ft/110 cm wide (twice that of Waves). Pelleted seed only.



P1203D Lemon **P1203F Purple Vein**
P1203A Pink Morn **P1203C Red**
P1203E Raspberry Ice **P1203B Lilac Ice**

Prices for Opera Supreme: 20 pellets \$11.15; 100 pellets \$33.70; 500 pellets \$130.90; 1,000 pellets & over \$237.05 per M.

WAVE®

6 in/15 cm dwarf plants spread over 2 ft/60 cm with 2 in/5 cm blooms. Allow 12-14 wks. The Waves are daylength sensitive and are slow to flower during short daylength (12 hours or less). Purple Classic and Lavender are AAS Winners. Pelleted seed only.

P1200G Carmine Velour **P1200A Pink**
P1200B Misty Lilac **P1200E Lavender**
P1200 Purple Classic

Prices for Wave: 20 pellets \$12.05; 100 pellets \$38.40; 500 pellets \$140.75; 1,000 pellets & over \$270.21 per M.

EASY WAVE®

Earlier to flower under short daylength (12 hours or less) which provides more flowers in the paks during spring sales. Plant habit is a bit more mounded than the Waves - with a mature height of 8 in/20 cm and a spread of 2.5 ft/77 cm. Plants fill out well, stay full of blooms longer and look good all season. Pelleted seed only.



P1206F Rose Fusion
P1202B Pink **P1202D White**
P1202F Blue **P1202G Red**
P1202J Berry Velour **P1202K Rosy Dawn**
P1202L Coral Reef **P1202P Plum Vein**
P1202N Burgundy Star **P1202Q Violet**
P1202R Neon Rose **P1202V Red Velour**
P1206B Silver **P1206C Yellow**
P1202T Burgundy Velour **P1206A Pink Passion**
P1206E Lavender Sky Blue
P1206D South Beach Mix Red, violet and coral reef.
P1202X Great Lakes Mix Violet, blue & white
P1202Y Plum Pudding Mix Plum Vein & Violet
P1202Z Easy Wave Formula Mix Best color mix.

Prices for Easy Wave colors & mixes: 20 pellets \$12.05; 100 pellets \$38.40; 500 pellets \$140.75; 1,000 pellets & over \$270.21 per M.



FOTOFINISH™

(10-14 in/25-36 cm) Extremely uniform, extra-early spreading series with perfectly matched plant habit and flower timing. Mounded and branching habit is ideal for high density growing. Pelleted seed only.

P1910A Blue **P1910B Burgundy**
P1910C Pink **P1910D Red**
P1910E Rose Morn **P1910F Rose Star**
P1910G Salmon **P1910H White**
P1910 Mix

Prices for FotoFinish: 20 pellets \$9.15; 100 pellets \$25.50; 1,000 pellets & over \$202.35 per M.

TRILOGY™

(12 in/30 cm) Plant habit is spreading/trailing with blooms that are much tighter together than Easy Wave which makes this series an excellent choice for hanging baskets. All colors have a long shelf life; flowers retain short internodes even after blooming and plants are less sensitive to daylength than other spreading petunias. Pelleted seed only.



P1908N Pink Lips **P1908L Lime**
P1908M Purple Vein **P1908B Purple**
P1908E Salmon Morn **P1908C Rose**
P1908F Scarlet **P1908G White**
P1908H Blue

Prices for Trilogy: 20 pellets \$9.00; 100 pellets \$28.60; 1,000 pellets & over \$201.40 per M.

RAMBLIN'™

Bred for its' rambling habit, Ramblin' grows to only 10-14 in/25-36 cm high, but spreads or trails to 30-36 in/76-90 cm. Plants are 2 weeks earlier than Waves, on short internodes. Crop time 10-12 weeks. Pelleted seed only.

P1207D Pink **P1207F Nu Blue**
P1207K Shades O'Pink **P1207H Red**
P1207R Sky Blue
P1207Z Razzleberry Mix Nu Blue, Lilac Glo and Chrome Burgundy

Prices for Ramblin': 20 pellets \$9.15; 100 pellets \$29.25; 500 pellets \$107.25; 1,000 pellets & over \$205.91 per M.

MULTIFLORA BEDDING & POT TYPES

P1172Z Evening Scentsation™ A low, spreading, vigorous habit with a large number of indigo blooms. Great garden and landscape performer, also great for mixed containers and hanging baskets. Flowers have a hyacinth like scent with hints rose and honey. AAS Winner. Pelleted seed only. 20 pellets \$10.85; 100 pellets \$34.60; 1,000 pellets & over \$243.59 per M.

MULTIFLORA BEDDING & POT TYPES

TIDAL WAVE®

The most dense ground cover of all. 10 in/25 cm high plants spread to a diameter of 3 ft/90 cm at maturity. Masses of 2 in/5 cm blooms cover each plant. Pelleted seed only.

P1199B Cherry **P1199C Hot Pink**
P1199D Purple **P1199E Red Velour**
P1199A Silver Silvery white to pale lavender with dark purple veins. AAS Winner.

Prices for Tidal Wave: 20 pellets \$12.05; 100 pellets \$38.40; 500 pellets \$140.75; 1,000 pellets & over \$270.21 per M.

CELEBRITY

Wide color range and freer flowering during wet weather. Bushy 11 in/28 cm plant with 3 in/8 cm blooms. 11.5 weeks from seed to bloom. Pelleted seed only.

P1168A Red **P1168B White**
P1168C Blue **P1168D Salmon**
P1168F Blue Ice **P1168I Pink**
P1168K Burgundy **P1168L Lilac Morn**
P1168M Lilac **P1168N Pink Morn**
P1168Q Neon **P1167R Rose**
P1167Q Burgundy Frost **P1168S Sky Blue**
P1168T Red Morn **P1168U Ice Mix**
P1168V Morn Mix **P1167V Plum Ice**
P1167W Burgundy Star **P1167X Carmine**
P1168Z Chiffon Morn **P1167Z Yellow**
P1168 Niagara Mix Blue, lilac, purple and white
P1168R Celebrity Mix Blend of best colors.

Prices for Celebrity colors & mixes: 500 pellets \$5.90; 1,000 pellets & over \$9.57 per M.



Limbo GP Picotee Mix



Tritunia Crimson Star



Shock Wave Purple Tie Dye



Tritunia Fresh White



Fuseables Lime Coral



Fuseables Ooh La La



EZ Rider Deep Salmon



Tritunia Purple



Limbo GP Peach



HYBRID GRANDIFLORA PETUNIAS



DREAMS™

Dreams bloom about 10 weeks from seeding in paks or 13 weeks in pots or hanging baskets. Good cold-wet weather tolerance. Appleblossom and Red Picotee are AAS Winners. Pelleted seed only.

- | | |
|------------------------------------|-----------------------------------|
| P1169A Red | P1169B White |
| P1169C Midnight Blue | P1169D Salmon |
| P1169E Pink | P1169F Neon Rose |
| P1169K Burgundy | P1169N Rose |
| P1169L Appleblossom | P1177C Red |
| P1177B Rose Picotee | P1177D Sky Blue |
| P1177E Rose Morn | |
| P1177A Burgundy Picotee | Picotee |
| P1169 Dreams Mix | Formula blend of the best colors. |
| P1169P Dreams Patriot Mix | Red, white and blue |
| P1169Q Dreams Waterfall Mix | Sky blue, midnight blue and white |

Prices for Dreams colors & mixes: Pkt. (100 pellets) \$2.95; 500 pellets \$9.00; 1,000 pellets & over \$13.49 per M.



Fuseables use either 2 different colors of Bacopa or two colors of Coleus or combining Petunias and Bacopa in the same precision multi-pellet to produce great container combos. Crop time 8-12 weeks sow to finish. Multi-Species. See index for more Fuseables®!

P1901S Rise N Shine Combines Easy Wave Yellow and Rosy Dawn in the same precision multi-pellet.

P1901R Ooh La La Combines Easy Wave Burgundy Star, Easy Wave Neon Rose and Shock Wave Coconut petunias in the same precision multi-pellet.

P1901J Healing Waters Combines Shockwave Denim, Easy Wave Violet petunias and large-flowered blue Bacopa in the same precision multi-pellet.

P1901C Blue Dawn Combines Easy Wave Rosy Dawn Petunia and Blutopia Bacopa in a precision multi-pellet.

P1901D Silk N' Satin Combines Shock Wave Pink Shades Petunia and Snowtopia Bacopa a precision multi-pellet.

Prices of the above five Fuseables: Pkt. (10 pellets) \$8.25; 100 pellets \$74.90; 1,000 pellets \$553.03 per M.

P1901L Blueberry Lime Jam Sophistica Lime Green and Dreams Midnight petunias in a precision multi-pellet.

P1901N Lime Coral Dreams Coral Morn and Sophistica Lime Bicolor petunias in a precision multi-pellet.

Prices of the above two Fuseables: Pkt. (10 pellets) \$8.25; 100 pellets \$38.30; 1,000 pellets & over \$282.83 per M.

LIMBO GP™

Blooms about 10-11 weeks from sowing. The only natural dwarf non-stretching grandiflora petunia on the market. Well branched plant is covered in huge flowers and recovers well from rain damage. Flowers reach a garden height of 8-10 in/20-25 cm or 4-6 in/10-15 cm in pots. Pelleted seed only.

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|--------------------------------|---------------------------|
| P1251X Picotee Mix | P1251A Rose |
| P1251B Salmon | P1251C Red |
| P1251D Rose Veined | P1251E Red Veined |
| P1251F Pink Morn | P1251G Rose Morn |
| P1251H Salmon Morn | P1251J Peach |
| P1251K White | P1251L Deep Purple |
| P1251M Violet | P1251N Burgundy |
| P1251P Sky Blue | P1251Q Mid Blue |
| P1251S Red Picotee | P1251V Pink |
| P1251R Burgundy Picotee | |
| P1251T Rose Picotee | |
| P1251U Orchid Veined | |
| P1251Z Heather's Mix | |

Prices of Limbo colors & mixes: Pkt. (100 pellets) \$3.25; 1,000 pellets & over \$27.32 per M.

EZ RIDER®

Suitable for cold growing conditions, genetics require 1/2 the PGR's to control stretching. Compact plants provide tight bloom windows so you can ship all colors together. Better base branching improves airflow to reduce Botrytis and lodging later in the season. Sow to transplant 6 weeks - 6 more weeks to flower. Pelleted seed only.

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|----------------------------|--------------------------------|
| P1179A Blue | P1179B Deep Pink |
| P1179C Deep Salmon | P1179D Red |
| P1179E Rose | P1179F White |
| P1179M EZ Rider Mix | Formula blend of above colors. |

Prices for EZ Rider: Pkt. (100 pellets) \$3.50; 500 pellets \$14.85; 1,000 pellets & over \$22.35 per M.

SUPERCASCADE

Super sized 4.75 in/12 cm blooms, specially designed for containers. A vast improvement on the original Cascade type. Plants are 3 days earlier and are more suitable for hanging baskets. Pelleted seed.

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|--------------------------------|---|
| P1252A Red | P1252B White |
| P1252 Pink | P1252J Lilac |
| P1252L Rose | P1252M Blue |
| P1252P Burgundy | |
| P1252D Supercascade Mix | Blue, burgundy, lilac, pink, red, rose and white. |

Supercascade colors & mix prices: Pkt. (100 pellets) \$2.95; 500 pellets \$9.00; 1,000 pellets & over \$13.49 per M.

P1101 Prism Sunshine One of the best yellow grandiflora petunias. It is free flowering and holds it's color during cooler early and late summer months. Plants average 6 in/15 cm in paks and 8 in/20 cm in the garden. Flowers average 4 in/10 cm in diameter. Blooms from seed in 75 days. Pkt. (100 pellets) \$2.95; 500 pellets \$8.75; 1,000 pellets & over \$12.95 per M.

TRITUNIA™

(10 in/25 cm) Based on top performers in Goldsmith's Ultra and Storm series that are matched for uniformity, flower size, plant habit and flowering time. The "best of the best" one-stop shop for colors. Crop time 8-14 weeks. Pelleted seed only.

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|----------------------------|-----------------------------------|
| P1174W Fresh White | P1174X Purple |
| P1174A Blue | P1174B Blue Vein |
| P1174C Blue Star | P1174D Burgundy |
| P1174E Crimson Star | P1174F Lavender |
| P1174G Pink | P1174H Pink Morn |
| P1174J Pink Vein | P1174K Plum |
| P1174L Purple Star | P1174M Red |
| P1174N Red Star | P1174P Rose |
| P1174Q Rose Star | P1174T Sky Blue |
| P1174S Salmon Vein | P1174U Violet |
| P1174 Tritunia Mix | A selected blend of above colors. |

Prices of Tritunia colors & mix: Pkt. (100 pellets) \$2.95; 500 pellets \$8.60; 1,000 pellets & over \$12.95 per M.

HYBRID MILLIFLORA PETUNIA



PICOBELLA™

(8-10 in/20-25 cm) Vigorous 1-1.25 in/2.5-3 cm blooms with excellent weather tolerance and spreading habit - making them more suitable for massed beds and large containers. No growth controls are needed. Crop time is between 8-10 weeks from seeding. Pelleted seed only.

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|------------------------------|----------------------------|
| P1982A Blue | P1982B Carmine |
| P1982C Light Lavender | P1982D Rose |
| P1982E White | P1982F Red |
| P1982G Salmon | P1982H Rose Morn |
| P1982J Rose Star | P1982 Picobella Mix |

Prices for Picobella pellets: Pkt. (100 pellets) \$4.55; 500 pellets \$18.75; 1,000 pellets & over \$30.35 per M.



SHOCK WAVE®

Earliest to flower of all spreading types - 3 days earlier than Easy Waves. Lush plants are blanketed with masses of small 1.5 in/4 cm self cleaning blooms on mounded spreading foliage. Blooms recover from rain faster than any other petunia. Pelleted seed only.



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|------------------------------|------------------------------|
| P1212M Purple Tie Dye | |
| P1212B Pink Shades | P1212C Pink Vein |
| P1212E Rose | P1212F Denim |
| P1212H Coral Crush | P1212J Red |
| P1212K Deep Purple | |
| P1212Y Spark Mix | Coconut, denim & pink shades |

Prices for Shock Wave colors & mix: 20 pellets \$12.05; 100 pellets \$38.40; 500 pellets \$140.75; 1,000 pellets \$270.21 per M.



Petunia Double Pirouette Purple



Petunia Sophistica Lime Green



Petunia Daddy Blue



Pentas Lucky Star Raspberry



Osteospermum Asti Series



HYBRID GRANDIFLORA PETUNIAS



FROST™

A combination of the Frost types, all of which have various solid colors ringed with a white outer halo. All are 3.5 in/9 cm blooms and have wavy edges. Raw seed only.

1205 Blue Frost

1205B Velvet Frost

1205C Fire Frost

1205D Cherry Frost A deeper rosy, cherry red with a white picotee.

Prices of Frost colors: 500 seeds \$8.55; 1,000 seeds & over \$12.63 per M.

DADDY®

All veined types - rich pastel or clear, ruffled colors with contrasting darker veins of a similar color.

1294 Sugar Orchid

1294A Pink

1294B Peppermint

1294D Red

1294E Orchid AAS

1294G Blue Light blue

1294M Daddy Mix A blend of all of the above plus silvery white with darker overlaid veins.

Prices for Daddy colors & mix: Pkt. (100 seeds) \$3.50; 500 seeds \$7.75; 1,000 seeds & over \$11.50 per M.

SOPHISTICA®

A collection of unique color combinations with wavy edged grandiflora blooms on 10 in/25 cm plants. Pelleted seed only.

P1181A Twilight

P1181E Blue Morn

P1181D Antique Shades

P1181H Lime Green

P1181F Lime Bicolor

P1181G Blackberry Matures from black to black with purple undertones.

Prices for Sophistica colors: Pkt. (10 pellets) \$4.75; 100 pellets \$33.60; 1,000 pellets & over \$156.56 per M.



DOUBLE PETUNIAS



Grandiflora Double. Popular for containers, pots, formal bedding. Allow 11-13 weeks from seed to flower in paks; 14 weeks for pots. Mostly 12 in/30 cm plants, blooms fully double 3.5 in/9 cm. Double Cascades are at least 2-3 weeks earlier to flower. Purple Pirouette is an AAS Winner. Pellets only.

P1162W Pirouette Red Red/white edge

P1162X Pirouette Purple Violet Purple/white edge

P1162Y Pirouette Rose Rose/white edge

P1162 Double Glorious Mix Bright mix of solids and bicolors.

Prices for above pellets: Pkt. (50 pellets) \$4.95; 500 pellets \$21.50; 1,000 pellets & over \$32.57 per M.



DOUBLE PETUNIAS



DOUBLE CASCADE

P1245A Pink

P1245B Burgundy

P1245D Orchid Mist

P1245F Blue

P1245M Mix Select blend of above colors.

Prices for Double Cascade pellets: Pkt. (50 pellets) \$4.95; 500 pellets \$21.50; 1,000 pellets & over \$32.57 per M.



PHLOX DRUMMONDII



CULTURE: 15,000 seeds per oz/28 g. Sow thinly, in paks Feb.15th-April 1st for May sales. Germinate at 60-65°F/16-18°C for 10 days, 1/8 in/3 mm deep. Lightly cover seed and place flat in total darkness.

1231 Twinkle Mix (8 in/20 cm) Dwarf star shaped bloom mix. Many solid colors and bicolors. Pkt. (225 seeds) \$2.50; 1/4 oz. \$6.85; oz. \$19.85.



HYBRID PHLOX



21ST CENTURY

(10 in/25 cm) Daylength neutral vigorous plants. Lateral branching plants have a much fuller appearance in massed beds, jumbo paks, 4 in/10 cm pots or gallon containers. Tolerates heat. Primed seed.

R1229A Blue

R1229B Crimson

R1229C White

R1229M 21st Century Mix Crimson, blue, white

Prices for 21st Century colors & mix: 20 seeds \$5.65; 250 seeds \$33.10; 1,000 seeds & over \$97.33 per M.

R1227A Grammy Pink & White (8-10 in/20-25 cm) F1 hybrid. The most compact phlox drummondii available. Free flowering bi-color blooms produce color all summer. Use in mixed containers, window boxes or gardens. Very uniform potted plant. 10-12 week crop. Primed Seed. Pkt. (20 seeds) \$5.50; 500 seeds \$66.20; 1,000 seeds & over \$112.92 per M.



Phlox Grammy Pink & White



PENTAS



CULTURE: Commercial growers should plant one pellet per plug cell Jan/Feb for May flowering potted plant sales. Crop time 14-18 weeks from seeding, depending on greenhouse temperatures, soil pH, pot size and fertilizer program. Press pellets into soil surface. Germinate at 73-79°F/23-26°C for 10-14 days. As cotyledons sprout, reduce temperatures to 70-73°F/21-23°C. As first true leaf appears, reduce temps to 64-70°F/18-21°C. Fertilize at 150 ppm nitrogen. Maintain pH levels between 6.5 and 6.8 to avoid magnesium deficiencies or iron toxicity. Cooler temps below 50°F/10°C will delay flowering. Pelleted seed.

LUCKY STAR™

(12-16 in/30-41 cm) Enjoy continuous, showstopping color on full, lush plants that are bred for the fastest follow-up blooms. The tight, compact habit keeps plants looking tidy with little effort and the large clusters of stary blooms attract pollinators.

P1675E Raspberry

P1675B Dark Red

P1675D White

Prices for Lucky Star: Pkt. (10 pellets) \$4.75; 100 pellets \$22.80; 1,000 pellets & over \$156.26 per M.



OSTEOSPERMUM



CAPE DAISY

Multi-branched plants maintain compact, bushy shape without pinching. Long flower cycles in cool weather continuing at night when below 75°F/24°C. Higher day temps reduce flowers until cooler. Drought tolerant - like well drained, dry, sandy soil, in full sun. CULTURE: Sow in greenhouse: April 1 for flowers in paks - 80 days later; Sept.15th for heavy flowering larger plants - 110 days later. Nick seeds and germ. at 70°F/21°C for 7-10 days. Grow plants at 65-70°F/18-21°C days; 40-50°F/7-10°C nights. Hardy Annuals.

ASTI™

(17 in/43 cm) No virus or tag issues! Great heat and cold tolerance. No vernalization needed. High percentage of usable transplants with excellent seed germ.

1801A Lavender Shades

1801B White AAS

1801D Purple Bicolor

1801C Purple

1801 Asti Mix

Prices for Asti colors & mix: 20 seeds \$15.50; 100 seeds \$53.85; 500 seeds \$250.40; 1,000 seeds & over \$391.21 per M.

AKILA®

(10-14 in/25-36 cm) F1 hybrid. Best seed grown Osteo for both plant habit and seed quality. Great for retail paks and pots - provides landscapers an economical choice for massed plantings and containers. This is the most compact seed series available. Plants branch without pinching. All colors flower within a 7-10 day window. No vernalization is needed - good drought tolerance with mature plants.

1802F Sunset Shades

1802B Purple

1802A Lavender Shades

1802C White

1802D White/Purple Eye

1802E Daisy White

1802Z Grand Canyon Mix

Includes popular colors like yellow, magicians and rose-reds, as well as purple, lavender, creams and white.

Prices for Akila colors & mixes: 20 seeds \$17.50; 100 seeds \$60.80; 500 seeds \$282.90; 1,000 seeds & over \$441.93 per M.



Twisted Dart



Zebra Pink



Live Wire



Jade Princess



Portulaca Happy Hour Coconut



Portulaca Happy Hour Banana



Portulaca Happy Hour Mix



ORNAMENTAL GRASSES



DWARF ANNUAL GRASSES

CULTURE: Detailed growing instructions are printed on our packages or available online.

P1719 Live Wire® Isolepis Sedge (6-8 in/15-20 cm) Dense mound of green leaves; unique flowers. Multiseed pellets.

P1722D Spiky Blue Corynephorus (6-12 in/15-30 cm) Uniform neat tufts of gray-green foliage. Sow March 15. Germinate 3 weeks at 65°F/18°C. Crop time 14 weeks. Multiseed pellets.

P1722E Amazon Mist Carex (6-12 in/15-30 cm) Light green on medium green background. Cascading foliage with twisted tips on mounded plant habit. Likes full sun. Crop time 33 weeks spring; 19 weeks summer. Multiseed pellets.

Prices for the above: Pkt. (10 pellets) \$5.95; 100 pellets \$25.05; 1,000 pellets & over \$181.20 per M.

TALL ORNAMENTAL GRASSES

1707D Zebra Pink Ornamental Corn. (4-5 ft/1.2-1.5 m) Green and white striped foliage add drastic color and texture in late season containers or gardens. Foliage changes to a range of purples, red and pinks with cool nights and long days. Each stalk produces small ears with purple kernels and tassels. Pkt. (10 seeds) \$5.95; 100 seeds \$38.75; 250 seeds \$89.80; 1,000 seeds & over \$279.57 per M.

1707C Jade Princess (24-30 in/61-76 cm) Orn. Millet. Intense chartreuse foliage and rich brown pollenless panicles have a controlled, compact, mounded shape. Perfect for large containers and landscapes. Requires warmer temperatures (60°F/16°C) than other millets to perform well. 10 seeds \$8.60; 100 seeds \$41.50; 1,000 seeds & over \$300.26 per M.

P1722A Red Rooster Carex Sedge (20-30 in/51-76 cm) Upright red bronze leaves, curled tips. Sow Feb. 10. Germinate for 3 weeks at 65°F/18°C. Crop time 17 weeks. Multiseed pellets. Pkt. (10 pellets) \$5.95; 100 pellets \$25.05; 1,000 pellets & over \$181.20 per M.

1707A Jester Ornamental Millet (36-48 in/91-122 cm) F1 hybrid. Shorter burgundy version of Purple Majesty.

1707 Purple Majesty Ornamental Millet (48-60 in/122-152 cm) F1 hybrid. Deep purple foliage with 12 in/30 cm 'Cat tail' seed spikes. Use as cut flower. Crop time 10-14 weeks. Sow indoors Feb. 15 - March 1.

Jester & Purple Majesty prices: 10 seeds \$8.60; 100 seeds \$41.50; 1,000 seeds & over \$300.26 per M.

TALL ORNAMENTAL GRASSES

1707B Field of Dreams (60-72 in/152-188 cm) Novelty bicolor corn foliage with wide, medium green and white stripes running through the leaves. Plants should stay shorter at 36-48 in/90-122 cm in large containers. Remove any small cobs or suckers by August to prevent bird damage. Crop time 5-7 weeks. Pkt. (10 seeds) \$5.95; 100 seeds \$38.30; 250 seeds \$88.75; 1,000 seeds & over \$275.97 per M.

PERENNIAL GRASSES

1702B Fuzzy Pennisetum (24 in/61 cm) Upright narrow 4-6 in/10-12 cm dense pink/purple feathery heads atop fine green leaves. Pkt. (25 seeds) \$3.50; 250 seeds \$18.30; 1,000 seeds & over \$57.06 per M.

P1717 Pony Tails Stipa Tenuissima (16-24 in/41-61 cm) Great for 4 in/10 cm pots, gallon containers or backgrounds. Plants grow to 3 ft/90 cm in second year. Sow Jan. 15-Feb. 1st for May sales. Crop time 14 weeks from seed. Multiseed pellets.

P1720C Blue Dart Juncus (16 in/41 cm) Upright blue foliage for sun or shade. Use in baskets, containers and beds - faster, more reliable than dracaena spikes. Works indoors or as a water plant. Tender perennial zone 5A. Multiseed pellets.

P1720A Blue Arrows Juncus (36 in/90 cm) Tall upright, stiff blue-green foliage, used like Dracaena - also as pond plant. Drought/heat tolerant. Tender perennial to zone 5. Crop time 5-6 weeks. Multiseed pellets.

P1720B Javelin Juncus (48 in/122 cm) Tall rugged plant grows in ponds, excess heat or drought. Green foliage maintains upright habit until fall when it turns a straw color. Likes full sun. Grow in gallon containers. Hardy to zone 6. Crop time 5-6 weeks. Multiseed pellets.

Prices for the above four: Pkt. (10 pellets) \$5.95; 100 pellets \$25.05; 1,000 pellets & over \$181.20 per M.



P1720D Twisted Dart (18-36 in/46-91 cm) A mix of blue dart and curly blue green juncus. Pkt. (10 pellets) \$5.95; 100 pellets \$40.10; 1,000 pellets & over \$289.90 per M.

P1720 Twisted Arrows (36 in/91 cm) A mix of Straight Blue Arrows and curly blue-green Juncus. Drought tolerant plants have same use as Blue Arrows. Crop time 5-6 weeks. Hardy to zone 5. Multiseed pellets. Pkt. (10 pellets) \$5.95; 100 pellets \$40.10; 1,000 pellets & over \$289.90 per M.



PORTULACA



CULTURE: 280,000 seeds per oz/28 g. Sow Jan. 15th - March 1st for May sales. Direct seed thinly into paks 1/4 oz/7 g sows 250 -7.5 x 5.5 in/19 x 14 cm paks. Press seed into soil, cover lightly, maintain soil temp. at 70°F/21°C days, 60°F/16°C nights for 3 or 4 days. Grow at 60°F/16°C. Sow outdoors in warm dry locations May 20th. Blooms 30 days from seed. Thin to 4 in/10 cm apart.



HYBRID PORTULACA

SUNDIAL

(5 in/13 cm) Early vigorous base branching, protecting surface roots from intense sun. Crop time 8-10 weeks. Supplied as multi-pellets.

P1239B Pink

P1239J Peppermint

P1239E Scarlet

P1239C Fuchsia

P1239 Sundial Mix A blend of all Sundial colors

P1239D Yellow

P1239K Mango

P1239F White

P1239N Tangerine

Prices for Sundial colors & mix: Pkt. (50 pellets) \$4.95; 1,000 pellets & over \$48.57 per M.

HAPPY HOUR™

(8-10 in/20-25 cm) This series flowers under shorter daylength than other varieties currently on the market. Mounded plants are easier to ship than regular prostrate types. Fuller base branching plant habit, larger semi double blooms with vivid colors sell on sight in garden centers. Drought tolerant, excellent garden performance. Supplied as multi-pellets.

P1242C Deep Red

P1242E Lemon

P1242F Orange

P1242Z Tropical Mix Deep Red, orange, banana

P1242A Banana Pastel orange/red center

P1242B Coconut Creamy white/yellow center

P1242M Happy Hour Mix Formula blend of colors

Prices for Happy Hour colors & mixes: 100 pellets \$9.30; 500 pellets \$30.90; 1,000 pellets & over \$47.98 per M.

HAPPY TRAILS™



(9 in/23 cm) Spreads, cascades or trails, 14-18 in/36-46 cm from hanging baskets, containers or in landscape plantings. Unique cascading plant habit is superior to other trailing types. Plants bloom easily in 10 hour days - 2 weeks earlier than other types. Delay sowing until daylength reaches 10 hours. Use 288 cell trays, do not cover. Supplied as multi-pellets.

P1243M Happy Trails Mix Formula blend of 10 colors

Prices for Happy Trails mix: 100 pellets \$9.30; 500 pellets \$30.90; 1,000 pellets & over \$47.98 per M.



Rudbeckia Denver Daisy



Rudbeckia Toto Rustic



Rudbeckia Amarillo Gold



Sanvitalia Million Suns



Poppy Shirley Mix



RUDBECKIA (Gloriosa Daisy)



CULTURE: Seed size varies. Semi-dwarf types average 56,000 seeds per oz/28 g. Taller types average 40,000 seeds per oz/28 g. Use semi-dwarf types for medium height containers, bedding or wind tolerant cut flowers. Use tall types for backgrounds or commercial cut flowers. Sow indoors March 1st for green spring plant sales. Sow outdoors in May for fall cutting.

TALL RUDBECKIA

1258G Prairie Sun (3 ft/90 cm) Extra large 5 in/13 cm single, bicolor blooms are primrose yellow with a gold disc and unique light green "Irish Eyes" central cones. For May sales, grow in 5-6 in/13-15 cm pots. Crop time 15 weeks from seed to flower. AAS Winner. Coated seed. Pkt. (20 seeds) \$3.50; 250 seeds \$19.70; 1,000 seeds & over \$67.29 per M.

1256 Indian Summer (3 ft/90 cm) Sturdy wind tolerant plants with huge 6-9 in/15-23 cm single and semi-double golden yellow blooms. AAS Winner. Pkt. (25 seeds) \$2.50; 250 seeds \$11.95; 1,000 seeds & over \$19.24 per M.

1258 Gloriosa Daisy Mix (3 ft/90 cm) Tetraploid cultivar of Black-Eyed Susan. It has large, yellow flowers with orange, bronze or burgundy centers. Pkt. (125 seeds) \$2.50; 1/4 oz. \$4.65; oz. \$14.60.



SEMI DWARF RUDBECKIA



1258J Denver Daisy (18 in/46 cm) Earliest flowering variety at this height. Best heat tolerance for parks, landscaping. Coated seed. Pkt. (50 seeds) \$3.50; 250 seeds \$17.80; 1,000 seeds & over \$48.04 per M.



DWARF RUDBECKIA

CULTURE: Seed size varies greatly between types. Dwarf types average 70,000 seeds per oz/28 g. Sow indoors Feb.1st for early May blooms in 4-6 in/20-25 cm pots. Grow plants at 70°F/21°C days and 50°F/10°C nights to prevent stretching. They like sandy soil that is slightly dry. Crop time 13-16 weeks.



1258L Amarillo Gold (13 in/33 cm) Alluring huge flowers on short stems. Very well suited for pots, bedding plants and bouquets. Coated seed. Pkt. (25 seeds) \$3.75; 250 seeds \$39.55; 1,000 seeds & over \$106.92 per M.



SEMI DWARF RUDBECKIA



1257Z Maya (18-20 in/46-51 cm) First semi-dwarf, wind tolerant, fully double golden yellow rudbeckia for containers, borders or short stem cut flowers. Extra large 4-5 in/10-13 cm blooms. Coated seed. Pkt (50 seeds) \$3.75; 250 seeds \$18.70; 1,000 seeds & over \$56.76 per M.

1258E Sonora (15 in/38 cm) Large golden yellow blooms, large black center. Great potted plant! Coated seed. Pkt. (25 seeds) \$2.50; 250 seeds \$19.75; 1,000 seeds & over \$53.40 per M.

1258F Cherokee Sunset (16 in/41 cm) Double flowered mix in pastel shades of yellow, orange, bronze and brown. AAS Winner. Pkt. (50 seeds) \$3.50; 500 seeds \$22.90; 1,000 seeds & over \$36.52 per M.

1258H Autumn Colors Mix (20 in/51 cm) Formula blend of red, gold and bronze fall colors. Large, single 5-7 in/13-18 cm blooms, 14 week crop for 8 in/20 cm gallon pots. Coated seed. Pkt. (50 seeds) \$2.65; 250 seeds \$19.75; 1,000 seeds & over \$53.40 per M.

TOTO®

(12-15 in/30-38 cm) Irresistible in 4-6 in/10-15 cm pots for May-June sales. Early flowering plants with well branched deep green foliage. 4 in/10 cm semi double blooms have dark brown center cones. Do not over water! Filmcoated seed.

1258D Gold Golden yellow with 5% bronze shades
1258M Lemon
1258N Rustic Mahogany/yellow

Pkt. (50 seeds) \$2.65; 1,000 seeds & over \$26.63 per M.



POPPY (PAPAVER)



CULTURE: 260,000 per oz/28 g. Sow anytime from Apr.30th-June 30th. Press fine seed into the surface. Seed sown in Oct. will usually come up next spring.

1209C National Mix (16 in/41 cm) Blend of large bright red blooms/white centers and pure white blooms provide a beautiful combo for large borders. Pkt. (100 seeds) \$2.75; 1/16 oz. \$8.00; 1/4 oz. \$19.20; oz. \$59.10.

1213 Shirley Mix (28 in/71 cm) Flowers have crepe paper-like petals and come in shades of red, pink, white and bi-colored. Pkt. (100 seeds) \$2.50; 1/4 oz. \$7.05; oz. \$11.90.



PTILOTUS EXALTATUS



Drought and heat tolerant plant from Australia. Sow anytime from Jan. 15th to June 1st. Allow 12-16 weeks crop time from seed to bloom. CULTURE: Germinate at 75°F/24°C for 7 days. Cover seed lightly in slightly moist soil. Transplant 8 weeks later in clean soil. Grow at 70°F/21°C. Fertilize weekly at 100 ppm nitrogen.

1921A Joey® (15 in/38 cm) Large, feathery 4 in/10 cm bottlebrush flower spikes are silvery pink with neon pink tips. Pkt. (10 seeds) \$7.95; 100 seeds \$57.20; 500 seeds \$265.95.



SANVITALIA



Creeping Zinnia CULTURE: 50,000 per oz/28 g. Sow indoors February 15th or outdoors May 15th. Some tolerance to powdery mildew. Full Sun.

1281Z Queen of Sunlight™ (8-10 in/20-25 cm) Heavily branched, uniform, compact plants with masses of flowers. Excellent choice for mixed combinations or as a patio plant. Pkt. (20 seeds) \$3.75; 250 seeds \$49.60; 1,000 seeds & over \$124.67 per M.

1281B Million Suns (8 in/20 cm) Similar to vegetative varieties but easier to grow (no pinching required). Compact base branching plant habit with very intense flowering. Crop time for 4 in/10 cm pots is 9 weeks. Pkt. (20 seeds) \$3.75; 250 seeds \$28.30; 1,000 seeds & over \$96.61 per M.

1282 Mandarin Orange (9 in/23 cm) Intense orange flowers with black centers. AAS Winner. Pkt. (100 seeds) \$3.50; 250 seeds \$6.25; 1,000 seeds & over \$15.76 per M.



SCABIOSA

MOURNING BRIDE CULTURE: 4,500 per oz/28 g. For July blooms, sow March 5th in 75°F/24°C soil for 12 days.

1300 Scabiosa Finest Mix (30 in/76 cm) Flowers come in a mix of maroon, pink, rose, lavender and white and are great for long-lasting cut flowers. Pkt. (60 seeds) \$2.65; 1/4 oz. \$7.15; oz. \$17.15.



SCHIZANTHUS



CULTURE: Known as Butterfly Flower. Sow January 1st for 3 in/8 cm pot plants in May. For mid winter 5 in/13 cm pots, sow August 20th for March blooms. Sow outside by May 1st for July cut flowers. Great potted plant. This is a tender perennial. Crop time approx. 90-100 days.

1315Z Angel Wings Mix (8 in/20 cm) Very compact ball shaped plants covered with masses of brightly colored, medium sized orchid-like blooms. An excellent choice for shady containers. Formula mix contains shades of pink, rose, lilac, red, white, violet, purple and many bicolors with graceful blotches and markings. Pkt. (25 seeds) \$2.25; 1/4 oz. \$7.05; oz. \$12.60.



Mojave Salmon



Mojave White



Lancelot



Victoria



Summer Jewel Lavender



SALVIA



CULTURE: oz/28 g approx. 6,400 seeds. For combination pots sow Feb.15th Feb.25th - Mar.15th for May-June sales. Start seed in Jiffy Mix, water well with 70°F/21°C water. Mark out rows 1/8 in/3 mm deep, sow seed at 6 seeds per in/25 mm. Since salvia seed is sensitive to light, (needs light to germinate) it must be left uncovered for 24-48 hours to satisfy or trigger light requirements. Once this has been accomplished, press the seed lightly into the soil surface, do not cover the seed - it still needs further light to germinate. Maintain a soil temp. of 70-75°F/21-22°C for 10-14 days until germination occurs. **TRANSPLANT** 15-20 days later, using the leaf (not the stem) when handling. Transplant young plants at the same depth as they were, as seedlings. Salvia is very sensitive to high (over pH of 5) soluble salt levels. Sometimes it is a good idea to soak the transplanting soil well, before using, to reduce possible salt levels. Salvia is also very sensitive to methyl bromide (gas soil sterilizer). Do not use it with this species! **GROW** plants at 55-60°F/13-16°C shading young transplants from direct sunlight, until they become established. **DIRECT SEED** sow outdoors May 30th. Transplant in 10-15 days - dwarf types 8 in/20 cm apart, tall types 16 in/41 cm apart. Plants respond to several light feedings of liquid fertilizer to keep the leaves dark green and the spikes blood red. Do not over fertilize - they burn quite easily. Combines very well with Silverdust (Dusty Miller). Taller types are sold in paks without bloom. **CUTTING:** Regular strains of salvia make poor cut flowers. Only the farinacea and horminum types are grown for commercial cut flowers.

EARLY EXTRA DWARF

MOJAVE™

(14 in/36 cm) Daylength neutral compact plant with unique branching habit. Crop time 9 weeks.

1291B Red **1291E Purple**
1291F Red/White Bicolor **1291G Salmon**
1291H White

Prices for Mojave: Pkt. (50 seeds) \$3.50; 500 seeds \$12.85; 1,000 seeds & over \$20.82 per M.

1285C Red Vista™ (8-12 in/20-30 cm) Sturdy plants have dark green foliage and provide plenty of thick, dark red 7 in/18 cm spikes. Pkt. (50 seeds) \$3.50; 500 seeds \$14.35; 1,000 seeds & over \$22.34 per M.

AMORE™

(12-14 in/30-36 cm) Early flowering uniform plants are well branched. Although they are very compact in packs or pots they become very dense flowering after transplanting in the garden. Very suitable for pots or containers. Amazing garden performance. Day length neutral plants carry florets well above the foliage. Crop time 10-14 weeks from seed.

1295N White **1295P Scarlet**
1295Q Purple **1295R Scarlet Bicolor**
1295S Amore Mix 9 colors

Prices for Amore colors & mix: Pkt. (50 seeds) \$3.50; 250 seeds \$10.30; 1,000 seeds & over \$23.80 per M.



Big Blue

Quality Seed Since 1881

SIZZLER™

Vivid and pastel colors on upright 16 in/41 cm plants. Daylength neutral. 9-11 weeks in paks. Likes warm weather.

1282S Purple **1282Z Red**
1282W Sizzler Mix Blend of 5 colors and bicolors.

Prices for Sizzler colors & mix: Pkt. (25 seeds) \$2.50; 500 seeds \$12.25; 1,000 seeds & over \$19.10 per M.

COCCINEA SALVIA



SUMMER JEWEL

(20 in/51 cm) Unique early flowering spikes with .5 in/1.2 cm blooms. Loves full sun and is a favourite of hummingbirds for the sweet pollen and gold finches for the seed pods in the fall. Plants are base branching, rain and wind tolerant. Plants bloom 50 days from seeding. All Summer Jewel colors are AAS Winners!

1273F Lavender **1273E White**
1273C Red **1273D Pink**

Prices for Summer Jewel colors: Pkt. (25 seeds) \$2.75; 250 seeds \$18.85; 1,000 seeds & over \$29.78 per M.



HORMINUM SALVIA



9,500 seeds per oz/28 g. Used as a late summer/fall cut flower for fresh or dried arrangements of intense pastel colors.

1274A Horminum Tricolor Mix (27 in/69 cm) Formula blend of blue, pink and cream shades. Pkt. (100 seeds) \$2.50; 1/8 oz. \$4.20; 1/4 oz. \$7.30; oz. \$25.20.



CANARIENSIS SALVIA



Plant in partial or full sun, spaced 14-16 in/36-41 cm apart. Prefers a sunny location with well-drained soil. Water occasionally but do not keep wet. Plants have some drought tolerance.

1269B Lancelot (36-42 in/91-107 cm) A unique plant for borders. Produces silvery-white, felted leaves with lavender flowers. Rosy-lavender bracts and a pleasant sage fragrance. Excellent pollinator. Pkt. (10 seeds) \$3.75; 100 seeds \$35.05; 1,000 seeds & over \$262.96.



FARINACEA SALVIA

An excellent cut flower that withstands hot weather better than regular salvia. Approx. 35,000 seeds per oz/28 g.

1297 Mini Victoria (12 in/30 cm) An improved Rhea, dwarf strain of Victoria. For borders and containers. Pkt. (25 seeds) \$2.50; 500 seeds \$8.50; 1,000 seeds & over \$13.21 per M.

1284A Strata (14 in/36 cm) Bicolor blue and white spikes. Each blue florette is highlighted by a white calyx. Novel cut flower. AAS Winner. Pkt. (25 seeds) \$2.50; 500 seeds \$8.50; 1,000 seeds & over \$13.21 per M.

1283 Victoria (16 in/41 cm) Deep violet blue slim spikes, bushy medium green plant. Never goes out of flower! Hardy annual for massed beds or cutting. 25,000 seeds per oz/28 g. Pkt. (25 seeds) \$2.50; 500 seeds \$8.50; 1,000 seeds & over \$13.21 per M.

1291A Evolution™ Violet (18 in/46 cm) Extra long, very dark violet blue flower spikes, deep green contrasting foliage and free flowering bushy plants make this vivid blue annual an excellent choice for large containers, backgrounds, mass plantings - an outstanding cut flower. Plants are frost and heat tolerant. AAS Winner.

1291C Evolution™ White (18 in/46 cm) Silvery-white companion to the original. Some extra long well branched spikes. Ideal container or background plant.

Prices for Evolution: Pkt. (25 seeds) \$2.75; 500 seeds \$9.65; 1,000 seeds & over \$16.24 per M.

1283Z Big Blue (24-36 in/61-91 cm) Vigorous flowering annual in a beautiful clear blue color. Super easy and super showy for back of border plantings. Performs great in heat, low maintenance with no deadheading required. Pollinator friendly. PVP. Pkt. (10 seeds) \$4.25; 100 seeds \$37.90; 1,000 seeds & over \$284.42 per M.



Floral Showers Red & Yellow Bicolor



Candy Tops White



Twinny Violet



Chantilly Mix



Potomac Pink



SNAPDRAGON - DWARF AND SEMI DWARF TYPES



CULTURE: 200,000 seeds per oz/28 g. Freeze seed for 48 hrs. before sowing. Sow Feb.1st-Mar.15th for early May sales. Use Jiffy Mix or sterilized sandy loam. Firm and water thoroughly before seeding. Press seed into surface 1/8 in/3 mm (do not cover). Cover with plastic. Germinate at 70°F/21°C soil temp. 7 days. Shade or vent seed flats in direct sunlight to keep seed from being destroyed by excessive heat under plastic. Keep soil moist at all times and lower night temperatures to 60°F/16°C for best results. As seedlings appear, grow at 50°F/10°C. Transplant 6 weeks after seeding at the same depth as they were as seedlings. Shade fresh transplants with cheese cloth from direct sun until well established. Keep well watered with tempered 60°F/16°C water. Pinch back maturing plants to delay flowering until late July. **DIRECT SEEDING:** Sow outside in early May - transplant dwarf types 6 in/15 cm. apart, tall types 8 in/20 cm apart. Cut flowers last about 3-4 days or longer if a bit of bleach is added to the water. Germination varies according to color. **M = 1,000 Seeds or Pellets.**

FLORAL SHOWERS™

(5 in/13 cm) Extra dwarf, F1 hybrid series for small 4 in/10 cm pots and early flowering, formal bedding plant works at estates or public parks. Plants are vigorous, base branching and flower at the same time as Pansies. Retains compact mound-like habit during extreme heat.

- | | |
|--------------------------------------|-----------------------|
| 452C Deep Bronze | 452B Crimson |
| 452K Lavender Bicolor/white | 452D Purple |
| 452L Apricot Bicolor/white | 452F Rose Pink |
| 452M Bicolor Mix 4 bicolors | 452G White |
| 452N Wine Bicolor/white | 452H Yellow |
| 452Q Red & Yellow Bicolor | 452P Fuchsia |
| 452 Floral Showers Mix | |

Prices for Floral Showers colors & mixes: Pkt. (50 seeds) \$2.50; 500 seeds \$8.05; 1,000 seeds & over \$12.76 per M.

SNAPTINI™

(6-8 in/13-20 cm) F1 hybrid. This compact, well-branched and early flowering snap looks stunning in high-density pots. Consistent crop timing across all seasons. Pelleted seed.

- | | |
|-------------------------------|----------------------|
| P463Q Burgundy Bicolor | P463R Peach |
| P463T Rose Bicolor | P463S Red |
| P463U Scarlet | P463V Sunglow |
| P463W Violet | P463X White |
| P463Y Yellow | P463Z Mix |

Prices for Snaptini: Pkt. (50 pellets) \$2.50; 500 pellets \$10.45; 1,000 pellets & over \$15.61 per M.

CANDY TOPS

(8 in/20 cm) F1 hybrid. Strong stems with an abundance of blooms on dwarf plants provide constant color and sweet fragrance. This show stopper plays well with others in mixed species containers. Pelleted seed only.

- | | |
|---------------------|--------------------|
| P462A Orange | P462B Red |
| P462C Rose | P462D White |
| P462E Yellow | P462 Mix |

Prices for Candy Tops: Pkt. (50 pellets) \$2.50; 500 pellets \$13.40; 1,000 pellets & over \$21.22 per M.

DWARF TRAILING TYPES

CANDY SHOWERS™



(8 in/20 cm) F1 hybrid. First ever dwarf, trailing snapdragon from seed. Ideal for hanging baskets and mixed containers with pansies. Strong stems ship easily and hold up in the garden. Sow at the same time as pansies. Multi-pelleted seed.

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|--------------------------|---------------------|
| P461A Deep Purple | P461B Orange |
| P461C Red | P461D Rose |
| P461E Yellow | P461F White |
| P461G Pink | P461 Mix |

Prices for Candy Showers: Pkt. (10 pellets) \$5.05; 250 pellets \$70.45; 1,000 pellets & over \$210.83 per M.

TWINNY™



(12 in/30 cm) F1 hybrid semi-double azalea flowered dwarf snap. Plants are tolerant to hot or wet weather conditions. Recommended for 4-5 in/10-13 cm pots and large containers. Plants are base branching and provide long shelf life during sales periods. Exceptional garden performance. Twinny Peach is an AAS Winner. Crop time 12 weeks.

- | | |
|---------------------------|--------------------------|
| 449B Peach | 449C White |
| 449D Yellow Shades | 449E Appleblossom |
| 449F Rose | 449G Violet |
| 449H Bronze Shades | 449 Twinny Mix |

Prices for Twinny colors & mix: Pkt. (50 seeds) \$2.95; 500 seeds \$19.15; 1,000 seeds & over \$30.34 per M.

WIND TOLERANT SEMI DWARF SNAPS

SOLSTICE™



(16-20 in/41-51 cm) F1 hybrid. Best knee-high, cool loving, wind tolerant series for backyard backgrounds or cut flowers. Performs best in fall short days and cool weather; like pansies. Plant at the same time as pansies. Occasional deadheading will promote additional flowering. Bushy plants spread 10-14 in/25-36 cm wide. Likes semi shade or 6 hours of full sun. Use for gallon containers. Sow in March for spring sales.

- | | |
|-----------------------------|----------------------|
| 458A Burgundy | 458B Lavender |
| 458C Orange Tricolor | 458D Pink |
| 458E Purple | 458F Red |
| 458G Rose | 458H White |
| 458J Yellow | 458 Mix |

Prices for Solstice colors & mix: Pkt. (25 seeds) \$4.50; 250 seeds \$26.70; 1,000 seeds & over \$79.88 per M.

TALL HYBRID SNAPDRAGON

440A Chantilly Mix (36-40 in/91-101) F1 hybrid. Large open-faced flowers with a light, sweet scent for cut flower production. Ideal for short days low temperature conditions. Formula mix of series colors. Pkt. (50 seeds) \$2.50; 500 seeds \$14.15; 1,000 seeds & over \$22.43 per M.

POTOMAC®



(39-60 in/99-152 cm) F1 hybrid. Plants produce tall, strong stems and long spikes with vivid color and good flower quality. Best production during periods of high light, long days and warm temperatures. Excellent cut flower.



442C Pink
442B White

442A Royal

Prices for Potomac: Pkt. (50 seeds) \$3.50; 250 seeds \$11.65; 1,000 seeds & over \$36.88 per M.



ROCKET

(36 in/91 cm) Long, strong spikes of beautifully colored blooms. Plants should be staked in windy areas for cut flower production, or bedding plant use. Larger flower spikes than other hybrids. A summer flowering snap. Red, Rose, Yellow and White are AAS Winners.

- 428A Red**
428E Yellow/gold
428G Pink

- 428B Rose**
428F White
428 Rocket Blend

Prices for Rocket colors & mix: Pkt. (50 seeds) \$2.50; 500 seeds \$6.70; 1,000 seeds & over \$10.60 per M.

TALL DOUBLE AZALEA FLOWERED

441 Madame Butterfly™ Mix (28 in/71 cm) Double azalea flowered snap. Color range: Scarlet, crimson, rosy-bronze, yellow, pink, light golden bronze, red-magenta. Flower stalks support 14 open-faced 1.5 in/4 cm double butterfly blooms each. Pkt. (50 seeds) \$3.95; 500 seeds \$16.60; 1,000 seeds & over \$24.87 per M.



LINARIA (Baby Snap)



Novel dwarf series bred for compact habit. **CULTURE:** Sow in greenhouse Feb.15th - March 1st for early May sales. Crop time 50-60 days. Press seed into surface (do not cover). Cover seedling tray. Germinate at 65°F/18°C for 7-14 days. Keep flats semi-shaded until seedlings are ready to transplant. Grow seedlings and plants cool 60-70°F/16-21°C days, 45-50°F/7-10°C nights. Transplant into 4-6 in/10-15 cm pots, large containers or outdoors in massed beds.

P972Z Fantasia™ Mix (3-5 in/8-13 cm) Extra dwarf plants with an exceptionally compact basal branching habit. Blooms 7-10 days earlier and can withstand frost to -4°C/26°F. Multi-pelleted seed. Pkt. (25 pellets) \$4.25; 500 pellets \$77.35; 1,000 pellets & over \$124.25 per M.

P972 Fantasy™ Mix Outstanding bedding plant for massed formal beds in cool semi-shaded areas during spring and fall. A delicate, fragile cut flower. Pelleted seed. Blend of the best colors. Pkt. (25 pellets) \$3.50; 500 pellets \$33.65; 1,000 pellets & over \$54.03 per M.



Silene Starry Dreams



Stocks Vintage Burgundy



Stocks Mime Pink



Sweet Peas Knee High Mix



Sweet Peas High Scent



SILENE (Catchfly)

A beautiful hardy annual upright cut flower from the Ukraine. Plants have huge flower heads similar in shape to heliotrope. CULTURE: 258,000 per oz/28 g. Germinate at 60-65°F/16-18°C for 10 days. Sow outdoors just before last spring frost, when iris are in bloom. Do not cover seed.

P1259D Starry Dreams (6-8 in/15-20 cm) Pure white star shaped blooms on dwarf plants for pots. Crop time 9-10 weeks. Tender perennial zones 5-8. Pkt. (20 pellets) \$2.95; 250 pellets \$12.90; 1,000 pellets & over \$43.41 per M.

1259 Royal Elektra (16 in/41 cm) Carmine pink. Pkt. (130 seeds) \$2.40; 1/128 oz. \$4.55; 1/64 oz. \$6.80.



STATICE



LIMONIUM SINUATUM

CULTURE: 11,000 seeds per oz/28 g. Seed has been specially cleaned to remove it from clumps. This French strain is superior to U.S. grown seed. Sow Feb.-March for Aug.- Oct. cut flower material. For bedding plant sales allow 10-12 weeks from seed to sale. Hardy annual in zone 6.

PACIFIC

1320 Heavenly Blue Mid blue

1322 Iceberg White

Prices for Pacific colors: Pkt. (120 seeds) \$2.75; 1/8 oz. \$12.75; 1/4 oz. \$23.90; 1/2 oz. \$41.65.

1329 Pastel Shades (30 in/76 cm) Elite blend of light blue-lavender, rose pink, soft pink and white. Pkt. (50 seeds) \$3.25; 500 seeds \$19.85; 1,000 seeds & over \$30.42 per M.



DWARF SWEET WILLIAM



CULTURE: 26,000 per oz/28 g. For flowering paks in May - sow Feb. 15th in the greenhouse at 70°F/21°C for 5 days. Sow direct for best results. Grow cool at 50°F/10°C. Sow outdoors May 1st, as a ground cover or transplant into rock gardens.

872 Wee Willie (8 in/20 cm) Standard miniature, blooms. Good for pots. Crop time 6-8 weeks. Pkt. (30 seeds) \$2.25; 1/16 oz. \$4.35; 1/4 oz. \$8.05; oz. \$22.60.



Statice Pastel Shades

Quality Seed Since 1881



STOCKS



CULTURE: 18,500 seeds per oz. Sow indoors Mar.15th at 70°F/21°C soil temp. for 7-10 days. Press seeds into surface but do not cover with soil. Keep moist. Select only light green seedlings for transplants. Darker seedlings are single flowered. Grow plants cool at 50-55°F/10-13°C. In beds, plants retain height of 12 in/30 cm in long daylength. Allow 12-16 weeks from seed to sale. COLUMN STOCKS can be started and grown from July 15th to Feb.15th (for flowers Jan. 10th); late May during shorter days. Sowings after this period will not flower.

MIME

(15-18 in/38-45 cm) F1 hybrid. Early and abundant fragrant blooms top true green foliage. Uniform to flower with approximately 55% double blooms. Strong stems allow a nice upright form that is very showy in the garden.

1338S Blue

1338V Pink

1338W Purple

1338Y Rose

1338T White

1338X Red

1338Z Mix

Prices for Mime colors & mix: Pkt. (50 seeds) \$3.25; 500 seeds \$13.80; 1,000 seeds & over \$22.46 per M.

VINTAGE

(15-20 in/38-51 cm) Excellent base branching compact plants are free flowering with 60% double fragrant spikes. Use for window boxes, containers or bedding.

1337B White

1337F Burgundy

1337 Mix

1337D Lavender

1337H Red

Prices for Vintage colors & mix: Pkt. (50 seeds) \$2.60; 500 seeds \$12.05; 1,000 seeds & over \$19.15 per M.



DWARF SWEET PEAS



Sow indoors March 15th. Germinate 0.5 in/13 mm deep and cover seed. Keep dark in 55°F/13°C soil. (higher temperatures will prevent sprouting) for 14 days. Transplant outside May 10th. Great for containers in short season areas.

1645 Bijou Mix (12 in/30 cm) Unique bush type for window boxes, beds or borders. Extremely early flowering plants smothered in bright, ruffled blooms. A rainbow of red, salmon, blue, rose, lilac and pink. Stems are just long enough for cutting. Pkt. \$2.60; oz. \$12.60; 1/4 lb. \$33.60; 1/2 lb. \$61.70.



TALL SWEET PEAS



Sweet Peas are available in several types. Heat tolerant strains will lengthen the spring season into the hotter weather. Summer Flowering Spencers are valuable for cutting. CULTURE: 250-300 seeds per oz/28 g. Sow indoors March 15th. Germinate 0.5 in/13 mm deep; cover seed. Keep dark in 55°F/13°C soil for 14 days. Transplant outside May 10th. Sweet peas prefer heavy rich soil, not sandy. Water well during dry spells. Plan harvests for early summer or fall.

1622 Knee High Mix Semi-dwarf, bushy flowered variety with a mix of lavender, purple, red, salmon and white flowers. Use mulch to keep soil cool and provide good air circulation. Pkt. (80 seeds) \$2.60; oz. \$13.60; 1/4 lb. \$36.35; lb. \$131.65.

1619 Early Multiflora Mix Early blooming mix of lavender, pink, purple, red, salmon and white. Plant in full sun and use mulch to keep soil cool. Pkt. (80 seeds) \$2.60; oz. \$11.50; 1/4 lb. \$30.75; lb. \$111.40.

1620 Heirloom Mix The perfect choice for old-fashioned and fragrant gardens. This mix is composed of heirloom varieties that are still popular today in colors of lavender, pink, purple, red, salmon and white. Pkt. (80 seeds) \$2.60; oz. \$10.45; 1/4 lb. \$27.95; lb. \$101.25.

1621 High Scent Large, fragrant bicolor flowers that are white with purple edges. One of our most highly scented sweet peas. Pkt. (80 seeds) \$2.60; oz. \$18.35; 1/4 lb. \$48.90; lb. \$177.20.

1680 Royal Family Mix Heat tolerant strain with 6-7 large blooms per stem has extra strong stems and average plant height of 6 ft/2 m. Can be used for spring greenhouse crops or commercial field cut flowers, if staked. A beautiful formula mix of 9 colors. Pkt. (80 seeds) \$2.60; oz. \$12.40; 1/4 lb. \$30.05; 1/2 lb. \$60.10; lb. & over \$120.20 per lb.

1618 Mammoth Series Mix One of our best extra large flowered types for commercial cuts. Long stems. Deep rose, salmon, cream, pink, scarlet, white, mid blue, crimson. Pkt. (80 seeds) \$2.60; oz. \$15.70; 1/4 lb. \$41.90; 1/2 lb. \$75.95; lb. & over \$151.90 per lb.



Mediterranean XP Burgundy Halo



Tattoo Tangerine



Tattoo Blueberry



Pacifica XP Polka Dot



Cora XDR Light Pink



Cora Cascade Bright Rose



TALINUM



CULTURE: Cover seed, germinate at 74°F/24°C for 4 days. Grow seedlings at 70°F/21°C days; 64°F/18°C nights. Crop time 10 weeks.

1750 Limón (28 in/71 cm) Mounded lime green leaves spread 44 in/112 cm, upright seed stalks have tiny pink blooms. Drought and heat tolerant. 100 seeds \$42.80; 1,000 seeds & over \$250.00 per M.



THUNBERGIA



CULTURE: 1,000 seeds per oz/28 g. Sow April 1st into Jiffy strips at 2 seeds per pot. Likes high 75-80°F/24-27°C soil temp. for 15-20 days. Sow outside June 1st. Order fresh seed every year.

1350 Alata (Black Eyed Susan) Mixture of orange, cream and yellow shades with black centers. Pkt. (30 seeds) \$2.50; 1/8 oz. \$4.35; 1/4 oz. \$7.75; oz. \$26.15.

1350B Alata Susie Mix Contains 3 basic colors - orange, white and yellow in both clear and black eye types. Pkt. (10 seeds) \$3.25; 100 seeds \$18.40; 1,000 seeds & over \$107.33 per M.



TITHONIA



CULTURE: 3,000 per oz/28 g. Sow indoors at 70°F/21°C soil temp. in pots April 1st for 8 in/20 cm plants for June transplants. Blooms in mid July.

1342 Goldfinger (30 in/76 cm) Huge 3.5 in/9 cm burnt orange, single blooms. Good cut flower. Great for hedges or tall borders. Pkt. (25 seeds) \$2.25; 1,000 seeds & over \$8.88 per M.



TORENIA



CULTURE: Sow Feb.-April for May to July crops in 4 in/10 cm pots. Germinate at 70°F/21°C for 10 days. Grow plants cooler at 55°F/13°C to keep them short. For shady areas. Available in pelleted seed only.

P1340 Kauai™ Mix (8 in/20 cm) Has superior performance outdoors during extreme heat and a tighter flowering window of 7-9 days between 8 vivid colors. Use for indoor or outdoor containers in shaded locations. Pkt. (25 pellets) \$3.75; 250 pellets \$22.05; 1,000 pellets & over \$64.64 per M.

P1341 Duchess™ Mix (8 in/20 cm) Dwarf plants are ideal for 4 in/10 cm pots. Great for shaded window boxes. Blend of 5 tricolors in white, blue and pink shades - all with yellow throats. Pkt. (25 pellets) \$3.75; 250 pellets \$19.75; 1,000 pellets & over \$57.80 per M.



VINCA



CULTURE: 20,000 seeds per oz/28 g. Sow indoors from February 15th - March 15th in 75-78°F/25-26°C soil. Cover seed lightly. Germinate in total darkness for 20 days. Transplant as soon as possible. Keep plants dry! Never overwater. M = 1,000 Seeds or Pellets.

TATTOO™

(10-14 in/25-36 cm) Bold, fun and head turning this vinca's unique petals have an airbrushed look with soft strokes of black. Very floriferous and well-branched plants with an overlapping, fully round form that won't show gaps in hot temperatures. Outstanding color in hot, sunny conditions.



1843W Blueberry
1843X Black Cherry

1843Z Tangerine
1843Y Raspberry

Prices for Tattoo colors: 100 seeds \$13.85; 500 seeds \$55.25; 1,000 seeds & over \$80.81 per M.

PACIFICA XP

(12 in/30 cm) Extra large 2 in/5 cm blooms, base branching plants. Blooms 60 days from seed. Early flowering. PVP.

1400A Punch
1400F Apricot
1400N Lipstick Mix
1400S White
1400U Burgundy Halo
1400W Cranberry

1400C Polka Dot
1400L Lilac
1400R Icy Pink
1400T Really Red
1400V Dark Red
1400M Pacifica Mix

Prices for Pacifica XP colors & mix: Pkt. (50 seeds) \$2.75; 500 seeds \$12.10; 1,000 seeds & over \$17.68 per M.



TRAILING VINCA



CORA® CASCADE™ HYBRIDS

(32 in/81 cm spread) Glossy green foliage with extra large flowers. As ground cover, plants average 8 in/20 cm high. Retains the same patented Aerial Phytophthora tolerance as the original Cora series but with a more vigorous trailing plant habit. Very uniform flowering.



1842H Bright Rose
1842B Lilac
1842D Strawberry
1842F Violet

1842A Cherry
1842C Polka Dot
1842E Apricot

1842 Cora Cascade Mix Apricot, lilac, cherry, polka dot white, magenta, strawberry and peach.

Cora Cascade prices: Pkt. (25 seeds) \$5.50; 100 seeds \$21.80; 500 seeds \$87.05; 1,000 seeds \$127.40 per M.



HYBRID VINCA



CORA® XDR

(14-16 in/36-41 cm) Large showy flowers in a wide range of solid and bicolor patterns all season long. Easier to grow, improved branching, uniformity and free flowering than original Cora series. Ideal for small to larger pots. Highly resistant to ten strains of Phytophthora nicotianae. Crop time 14-17 weeks.

1845A Cranberry
1845B Deep Strawberry
1845D Light Pink
1845F Orchid
1845H Polka Dot
1845K White

1845 Mix
1845C Hotgenta
1845E Magenta Halo
1845G Pink Halo
1845J Punch

1841J Cora® Classic Red Grow as a core color to round out the upgraded Cora XDR range.

Prices for above colors & mix: Pkt. (25 seeds) \$4.55; 100 seeds \$14.15; 500 seeds \$56.45; 1,000 seeds & over \$82.56 per M.



VALIANT™



(14-20 in/36-51 cm) Extra large flowers and Phytophthora tolerant upright, well branched, plants show superior plant vigor during hot sun, drought and cool/damp conditions. Excellent landscape or bedding plant series. Crop time 9 weeks.

1844A Apricot
1844B Burgundy
1844F White Pure
1844 Valiant Mix Formula blend of above colors

1844C Lilac
1844D Orchid
1844E Punch

Prices for Valiant colors & mix: Pkt. (25 seeds) \$5.05; 100 seeds \$14.80; 500 seeds \$59.10; 1,000 seeds & over \$86.48 per M.

MEDITERRANEAN XP

(24 in/61 cm spread) Heat tolerant. Improved trailing habit for hanging baskets. PVP.

1403M Burgundy Halo
1403T White
1403 Mediterranean Mix

1403U Red
1403R Hot Rose
1403Z Lipstick Mix

Prices Mediterranean XP colors & mixes: Pkt. (25 seeds) \$3.75; 100 seeds \$7.80; 500 seeds \$31.05; 1,000 seeds & over \$45.46 per M.



Tuscany Twister Purple Shades



Verbena Quartz XP Bordeaux



Zinnia Magellan Ivory



Swizzle Cherry/Ivory



Zinnia Profusion Fire Bronze



Zinnia Preciosa Yellow



VERBENA



CULTURE: 10,000 seeds per oz/28 g. Hybrids germinate much better than O/Ps. Sow indoors Feb.15th - April 1st for May sales. 1/8 in/3 mm deep, cover lightly. Water trays 24 hours before sowing. Germinate at 72-75°F/22-24°C soil temp. for 7 days. Transplant in 4 weeks. Grow at 50°F/10°C. Use well drained sandy soil and do not overwater seeds or seedlings. Keep well ventilated.

TUSCANY®

(10 in/25 cm) F1 hybrid. Unique breeding provides an extra early flowering window of 18-24 days after plants have produced 4 to 6 leaves - long daylength or extra light triggers flowering. Bushy plants are more tolerant to moist media after transplanting. Croptime after transplanting: Paks 6-8 weeks; 4 in/10 cm pots 7-9 weeks; Baskets 8-11 weeks.



1366N Twister Purple Shades

1366A Lavender Picotee **1366B Peach**
1366C Pink Picotee **1366D Rose w/Eye**
1366G Burgundy w/Eye **1366F White**
1366H Orchid Frost **1366J Scarlet**
1366M Scarlet w/Eye **1366K Blue**
1366 Tuscany Mix

Prices for Tuscany colors & mix: Pkt. (25 seeds) \$3.95; 500 seeds \$23.00; 1,000 seeds & over \$37.10 per M.

Primed seed: 1,000 seeds & over \$42.16 per M.

NOTE: Primed seed is available for Tuscany series in increments of 1,000 and 5,000. Place an 'R' in front of the code when ordering.

QUARTZ XP™

(10 in/25 cm) F1 hybrid. Plants are more vigorous than O/P strains. The Quartz series has been improved and updated as XP types. New genetic breakthrough provides 85% plus plug potential and 12-13 weeks to flower in paks from seed. Allow 14 weeks from seed to bloom in 4 in/10 cm pots. Primed seed.

R1372R Bordeaux **R1372A Scarlet**
R1372B White **R1372F Red/Eye**
R1372G Burgundy/Eye **R1372K Purple**
R1372L Pink **R1372N Waterfall Mix**
R1372Q Violet/Eye **R1372 Quartz Mix**

Prices for Quartz XP primed seed: Pkt. (25 seeds) \$3.25; 500 seeds \$25.70; 1,000 seeds & over \$41.42 per M.

Quality Seed Since 1881



ZINNIA



CULTURE: 2,500-6,200 seeds per oz/28 g. Seed size varies greatly according to color and type. **GREENHOUSE:** Sow March 20th - April 1st for June sales. Germinate in 80°F/27°C soil, 1/8 in/3 mm deep and cover lightly. Use tempered water. Transplant as soon as possible (10 days from seeding) at the same depth as seedlings. Keep well ventilated - no cold drafts. **DIRECT SEED:** Limit outdoor sowings to the less expensive open pollinated types (hybrids not practical). Sow or broadcast seed after June 10th or when soil temp. reaches 70°F/21°C. Transplant tall types 20 in/50 cm apart, dwarf types 8-10 in/20-25 cm apart. Cut flowers last 4-5 days. **M = 1,000 Seeds or Pellets.** PVP = Plant Variety Protected.



HYBRID GRANDIFLORA DWARF

PRECIOSA

(10-12 in/25-30 cm) Early flowering 4 in/10 cm Dahlia-type double flowers with a compact branching habit. Vibrant flowers add a splash of color to containers and gardens. Primed Seed. Coated seed.

1410A Red **1410B Rose**
1410C White **1410D Yellow**
1410Z Mix Pink, red, rose, scarlet and yellow

Prices for Preciosa: Pkt. (15 seeds) \$4.95; 100 seeds \$30.15; 500 seeds \$112.85; 1,000 seeds & over \$176.21 per M.

PROFUSION™

(12 in/30 cm) Very early, small flowered 2 in/5 cm single blooms cover bushy dwarf plants. Plants have tolerances to powdery mildew and hot weather. The Double series has 2 in/5 cm double blooms. Orange, cherry, white and red are AAS Winners. Profusion and Profusion Double are PVP. Coated seed.

1483A Cherry **1483B Orange**
1483C White **1483D Fire Bronze**
1483E Apricot **1483F Coral Pink**
1483H Yellow **1483J Red**
1483Z Lemon **1483M Mix**
1483K AAS Mix Orange, cherry, white & red

Prices for Profusion colors & mixes: Pkt. (15 seeds) \$3.50; 100 seeds \$13.55; 500 seeds \$56.20; 1,000 seeds & over \$81.55 per M.

PROFUSION DOUBLE™

(12 in/30 cm) Both hot cherry and deep salmon are AAS Winners. Coated seed.

1482A Golden **1482B White**
1482C Fire **1482D Yellow**
1482E Deep Salmon **1482F Hot Cherry**
1482M Mix

Prices for Profusion Double colors & mix: Pkt. (15 seeds) \$3.50; 100 seeds \$13.55; 500 seeds \$56.20; 1,000 seeds & over \$81.55 per M.



HYBRID GRANDIFLORA DWARF

SWIZZLE™

(12-14 in/30-36 cm) Bushy plants fill 4 in/10 cm pots quickly. Plants spread 10-12 in/25-30 cm and are not mildew tolerant - so do not crowd them too tight in pots or beds. Large fully double 2 in/5 cm blooms cover sun loving plants. Crop time 8-9 weeks. Coated Seed.

1484A Cherry/Ivory **1484B Scarlet/Yellow**

Prices for Swizzle: Pkt. (10 seeds) \$6.25; 100 seeds \$47.80; 500 seeds \$195.50; 1,000 seeds & over \$305.30 per M.

MAGELLAN™

(12-14 in/30-36 cm) Our best dwarf Dahlia flowered Zinnia for pots or bedding. Very uniform. Exceptional, large fully double blooms. Coated seed.

1485A Cherry **1485B Coral AAS**
1485C Ivory **1485D Orange**
1485E Pink **1485F Salmon**
1485G Scarlet **1485H Yellow**
1485 Mix

Prices for Magellan colors & mix: Pkt. (15 seeds) \$5.95; 100 seeds \$33.05; 500 seeds \$135.25; 1,000 seeds & over \$211.22 per M.



SMALL FLOWERED DOUBLES

LILLIPUT (POMPON)

(24 in/61 cm) Small flowered solid blooms 2 in/5 cm in diameter. Plants provide an ideal bedding or cut flower item.

1468 Lilliput or Pompon, Finest Mix A semi-dwarf variety in shades of pink, purple, red, orange, white and yellow. The pom-pom shaped flowers are fully double and about 1.5 in/3.8 cm across. Pkt. (100 seeds) \$2.50; 1/4 oz. \$2.90; oz. \$6.55; 1/4 lb. \$26.20.

OKLAHOMA™

(30-40 in/76-102 cm) Medium sized semi-double and double dahlia flowered 1.5 in/4 cm blooms. Sturdy plants have some tolerance to powdery mildew. High yielding cut flower w/ long vase life.

1469 Oklahoma Mix Formula blend of salmon pink, golden yellow, scarlet and white. Some powdery mildew tolerance. Use as a background flower in hot, dry locations or as a cut flower. Pkt. (50 seeds) \$2.75; 250 seeds \$9.35; 1,000 seeds & over \$16.33 per M.

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Benary's Giant Formula Mix



Zinnia Double Zahara Cherry



Zinnia Zahara Yellow



Zinnia Uproar Rose



Bee Feed Wildflower Mix



DWARF BUTTON TYPE

(10-12 in/25-30 cm) 6,200 seeds per oz/28 g. Neat compact plants are covered with semi-double flowers 1.5 in/4 cm in diameter. Ideal for borders, massed beds, pots or planters.

1417 Thumbelina (6 in/15 cm) Semi-double flowers. Plants are excellent for borders, arranged in alternate double rows 8 in/20 cm apart. 2,800 seeds per oz/ 28 g. Pkt. (80 seeds) \$2.50; 1/4 oz. \$5.00; oz. \$11.35.

DWARF LARGE ZINNIAS



ZAHARA®

(12-18 in/30-46 cm) Marylandica type with 20% larger single blooms. Extra PM and drought tolerance. Spreads 12-18 in/30-46 cm. For beds and containers. Coated seed. **M = 1,000 Seeds or Pellets.** PVP.

1456K Red	1456E Fire
1456D Yellow	1456G Cherry
1456J Raspberry	1456C White
1456F Starlight Rose	1456H Sunburst

1456 Zahara Mix Formula blend of above colors.

Prices for Zahara colors & mix: Pkt. (15 seeds) \$3.75; 100 seeds \$12.35; 500 seeds \$46.25; 1,000 seeds \$72.21 per M.

DOUBLE ZAHARA®

(16 in/41 cm) Medium height fully double blooms and disease tolerant plants. Larger double flowers than Double Profusion - which is only semi-double. Good dry weather tolerance. Coated seed. Cherry and Yellow = PVP.

1575F Bright Orange	1575G Salmon
1575H White	1575D Yellow
1575A Cherry AAS	1575 Mix
1575B Fire AAS	1575Z Brilliant Mix

Prices for Double Zahara: Pkt. (15 seeds) \$4.45; 100 seeds \$14.10; 500 seeds \$52.80; 1,000 seeds \$82.46.



AFRICAN ZINNIA (Melampodium)

(8 in/20 cm) Very dwarf plants with bright green leaves and 0.75 in/2 cm single, daisy flowered blooms. Plants spread 15 in/38 cm. Outstanding potted plant with great drought tolerance and better mildew tolerance. Sow indoors April 1st.

1474K Jackpot Gold (6-12 in/15-30 cm) Extremely floriferous. Performs well in hot and humid climates. Improved larger, better shaped flowers.

1474B Lemon Delight (8 in/20 cm) Lemon yellow
Prices of the above two: Pkt. (15 seeds) \$2.75; 100 seeds \$10.75; 500 seeds \$40.30; 1,000 seeds & over \$69.02 per M.



GIANT FLOWERED ZINNIA

1448 Burpeeana Giant Mix (35 in/89 cm) O/P. Blend of red, orange, pink, purple, white and yellow semi-double to double 4-5 in/10-13 cm, long blooming, quilled petals rather than flat ones like other varieties. Pkt. (80 seeds) \$2.50; 1/4 oz. \$4.30; oz. \$5.65; 1/4 lb. \$20.15.



DAHLIA FLOWERED ZINNIAS

1435 Giant Dahlia Flowered Mix (2.5 ft/76 cm) Fully double, 4-5 in/10-13 cm wide flowers that are shaped like dahlias. Colors include red, orange, pink, purple, white, and yellow. Pkt. (80 seeds) \$2.35; 1/4 oz. \$5.45; oz. \$9.65; 1/4 lb. \$35.10.

1462 State Fair Mix (36-48 in/91-122 cm) One of the best giant flowered zinnias for the bedding plant trade. This tetraploid strain produces huskier plants and shows a resistance to Mildew and Alternaria. Pkt. (40 seeds) \$3.25; 100 seeds \$7.05; 500 seeds \$14.50; 1,000 seeds & over \$22.62 per M.

BENARY'S GIANT

(40-50 in/102-127 cm) Fresh Cut Flower of the Year award by ASCFG, this magnificent series produces high yields of long thick extra large, fully double 4-5 in/10-13 cm blooms on sturdy stems. Proven better field resistance to Powdery Mildew than other O/P tall types. Use for commercial cut flowers or backgrounds.

1455A Bright Pink	1455B Carmine Rose
1455C Deep Red	1455D Golden Yellow
1455G Coral	1455E Salmon Rose
1455H Lilac	1455J Orange
1455K Purple	1455L Scarlet
1455M White	1455N Lime
1455W Wine	1455 Benary's Giant Mix

Prices Benary's Giant colors: Pkt. (25 seeds) \$2.95; 100 seeds \$7.20; 500 seeds \$26.90; 1,000 seeds \$47.12.

1463 Peppermint Stick (28 in/71 cm) Great cut flower. Beautiful double Dahlia flowered blooms striped and flecked with many bicolors. Pkt. (80 seeds) \$2.50; 1/4 oz. \$5.40; oz. \$9.70.

TALL SINGLE & SEMI DOUBLE

1484Z Salsiendo Mix (25 in/64 cm) Superb bicolor mix of Dahlia flowered rose/white and scarlet/gold 3 in/8 cm blooms. For borders or cut flower use. Pkt. (80 seeds) \$2.75; 1/4 oz. \$12.15; oz. \$33.50.

1486 Zowie!™ Yellow Flame (24 in/61 cm) Hybrid. A beautiful tall bushy plant Large 3.5-4 in/9-10 cm blooms with magenta-orange centres and yellow tips. Detailed seed. Pkt. (10 seeds) \$4.95; 100 seeds \$36.25; 500 seeds \$148.25; 1,000 seeds & over \$231.46 per M.



NOVELTY FLOWERED TYPES

HYBRID DAHLIA FLOWERED ZINNIAS



SUN™

(20 in/51 cm) Early Dahlia flowered type with powdery mildew resistance. Plants bloom 60-70 days from seed. Colors do not fade in intense sunlight, blooms average 4 in/10 cm across and are fully double. Wind tolerant.

1436A Gold Sun	1436B Cherry Sun
1436 Red Sun	

1436M Sunshine Mix Blend of red, golden yellow, cherry and white.

Prices for Sun colors & mix: Pkt. (15 seeds) \$3.75; 100 seeds \$15.45; 500 seeds \$63.25; 1,000 seeds & over \$98.72 per M.

1487A Uproar™ Rose (28 in/71 cm) Intense wine colored, double blooms cover plants. Coated seed. Pkt. (10 seeds) \$4.95; 100 seeds \$36.25; 500 seeds \$148.25; 1,000 seeds & over \$231.46 per M.



WILDFLOWER MIXTURES

CULTURE: Sow as early as possible when the snow disappears. Seed count varies but averages 1 lb/454 g per 8,500 sqft/790 sqm. 5 lbs/2 kg per acre. Avoid shady areas. Complete directions on packets.

1396E Bird & Butterfly Mix An annual and perennial mixture that is perfect for creating a backyard habitat to attract your favorite winged friends. Flowers provide colorful blooms all season long as well as nectar and seed for birds, butterflies and hummingbirds.

1396C Bee Feed Wildflower Mix A good mix of annual and perennial flowers that provide nectar and pollen for honeybees and other pollinators all season long. Spring, summer and fall blooming varieties. A wide range of colors for garden beds and meadows.

1396A Eastern Canadian Wildflower Mix Contains a collection of annuals and perennials in red, white, blue, yellow, pink and lavender.

Prices for Wildflower mixes: Pkt. (1,000 seeds) \$2.95; 1/4 oz. \$18.35; oz. \$35.40; 1/2 lb. \$207.00; lb. & over \$311.00 per lb.



Canna Tropical White



Cuphea Sriracha Rose



Cuphea Sriracha Lavender Bicolor



Capsicum Wicked



Capsicum Sedona Sun



POTTED PLANTS FOR COMMERCIAL GREENHOUSE GROWERS



ASPARAGUS

CULTURE: 600-750 seeds per oz/28 g. Soak seed for 48 hrs. in warm water or wet paper towel. Viable seeds will swell up. Sow in a sterile medium - cover seed lightly. Maintain uniform moisture. Use clear plastic or glass to cover seed flats to control humidity and temperatures. Germinate seed at 75-80°F/24-27°C for 21-42 days. Grow seedlings at 65-70°F/18-21°C. Transplant into 4 in/10 cm pots. Sow in April or Nov. - plants mature 26-28 weeks from seeding.

610 Plumosus Nanus Base branching, fine fern-like lime green foliage for bouquets. Pkt. (20 seeds) \$5.50; 100 seeds \$26.15; 500 seeds \$90.90; 1,000 seeds & over \$130.21 per M.

CANNA

CULTURE: Approx. 1,500 scarified seeds per lb. Plants should bloom 100-130 days from seeding. Sow indoors Jan. 15 -Feb.15th, 0.25 in/ 6 mm deep, cover seed with soil. Germinate at 70-75°F/21-24°C for 10-15 days. Grow seedlings cooler at 65°F/15°C, transplant at 2 leaf stage into 4 in/10 cm pots. 5-6 leaf stage transplant again into gallon containers or 10 in/25 cm pots. Plants flower at 1.5 ft/45 cm. Seed has been scarified for easier germination.

TROPICAL™

746A Red **746B Salmon**
746C Yellow **746D White**
746 Rose

Prices for Canna colors: Pkt. (10 seeds) \$12.50; 100 seeds \$67.10; 500 seeds \$264.80; 1,000 seeds & over \$529.60 per M.

1766A South Pacific Scarlet F1 hybrid. Compact, vigorous virus free, daylength neutral, well branched plant. Repeats blooming on multiple spikes. AAS Winner. 10 seeds \$16.35; 100 seeds \$88.10; 500 seeds \$347.70; 1,000 seeds & over \$695.40 per M.



CUPHEA (Cigar Plant) ☀️☀️

CULTURE: 16,000 seeds per oz/28 g. Sow indoors February 15th for Mother's Day. Use for pots, borders or beds. Likes full sun or partial shade. Allow 11-12 weeks from seed to flower, in paks or pots.



SRIRACHA™

(14-18 in/35.5-45.5 cm) Compact, well-branched plants that are easy to program and colors are very well matched for uniform production. A premium heat and drought tolerant variety that offers season-extending opportunities.

913E Lavender Bicolor **913F Rose**

Prices for Sriracha colors: Pkt. (25 seeds) \$9.95; 250 seeds \$91.35; 1,000 seeds & over \$242.81 per M.



CAPSICUM (Ornamental Pepper)

CULTURE: 8,000 seeds per oz/28 g. Sow peppers April 15th. Germinate at 72°F/ 22°C soil temperature for 14 days, cover seed. Use Jiffy Mix or sandy soil. Allow 4-6 months from seed.

815J Salsa Purple/Yellow (4 in/10 cm) Unique long lasting purple/yellow color. Excellent indoor/outdoor performance in full sun containers. Crop time 12-13 weeks.

815G Wicked (6-8 in/15-20 cm) Compact plant with stunning extra-large fruit that start purple and turn red. Perfect for fall mixed containers. Crop time 7-13 weeks from transplant. Fruit has mild heat.

Prices for the above two: Pkt. (10 seeds) \$5.25; 100 seeds \$23.80; 1,000 seeds & over \$181.25 per M.



Capsicum Sangria



CAPSICUM (Ornamental Pepper)

815F Midnight Fire (9-12 in/23-30 cm) Distinctive dark black foliage accented by purple fruit which mature bright red. Best used in 6-8 in/15-20 cm pots. Crop time 7-13 weeks from transplant.

815H Blaze (4-8 in/10-20 cm) Large fruit in eye-catching autumn tones that start yellow and mature red. Fruit has medium heat. Crop time 7-13 weeks from transplant.

Prices for the above two: Pkt. (10 seeds) \$5.25; 100 seeds \$23.80; 1,000 seeds & over \$181.25 per M.

815D Hot Pops (4-5 in/10-13 cm) Small round peppers in both purple and orange, grow like Medusa. Best grown in quarts and pots. Crop time 8-12 weeks. Fruit is very hot.

807M Medusa (8 in/20 cm) "Sweet fruit" type (not hot) matures ivory, yellow, orange, red. 2 in/5 cm slender fruit at 40-50 per plant. PVP

815C Sedona Sun (9-12 in/23-30 cm) Masses of distinctive lemon yellow and carrot orange fruit, grow like Sangria. Best grown in gallon container and pots. Crop time 8-12 weeks. Fruit is hot.

815A Sangria (12 in/30 cm) "Sweet fruit" type (not hot) with continuous setting purple and red fruit on well branched, spreading, semi-indeterminate plants.

Prices for above four: Pkt. (10 seeds) \$5.25; 100 seeds \$23.80; 1,000 seeds & over \$181.25 per M.

807C Purple Flash (15 in/38 cm) Unique, layered, exotic plant with bright purple and black bicolor leaves, topped with small, round, black hot fruit.

807A Black Pearl (24 in/61 cm) Tall green foliage turns glossy black at maturity - used for tall foliage backgrounds. Dark red edible fruit are hot! AAS Winner. PVP

Prices for above two: Pkt. (10 seeds) \$5.25; 100 seeds \$35.15; 1,000 seeds & over \$267.70 per M.



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Primula SuperNova Mix



Ranunculus Maché Mix



Platycodon Sentimental Blue



Succulents Hippie Chicks



Gerbera Royal Premium Mix



POTTED PLANTS FOR COMMERCIAL GREENHOUSE GROWERS



CROSSANDRA

CULTURE: Allow 17-20 weeks crop time for flowering 4 in/10 cm pots. Popular (10 in/25 cm) indoor pot plant in the northeast. Loves heat! Germinate at 80°F/26°C days and 70°F/21°C nights for 21-28 days. Grow plants at 68-75°F/20-24°C.

822A Tropic Flame Salmon orange flowers on shiny foliage. Pkt. (15 seeds) \$6.95; 100 seeds \$28.65; 500 seeds \$124.20; 1,000 seeds & over \$202.02 per M.

GLOXINIA

CULTURE: A December - January sowing is preferred for June flowers. Sow May 30th for Christmas plants. Germinate at 75°F/24°C day and night for 20 days. Grow at 70°F/21°C. The small late seedlings are the best colors. Pelleted seed.

968 Empress Mix (10 in/25 cm) Best potted plant blend of solid colors and picotee shades. European strain. Pkt. (25 seeds) \$3.75; 250 seeds \$18.75; 1,000 seeds & over \$50.94 per M.



PLATYCODON



CULTURE: 27,500 seeds per oz/28 g. Sow indoors Jan. 1st at 70°F/20°C for 21 days. Press seed into the soil, expose to light. Plants bloom 14 weeks from seed. To use Komachi as a cut flower, scald stems with hot water after cutting. PERENNIAL.

1270A Komachi Blue Balloon (10 in/24 cm) Unique 1.5 in/4 cm balloon shape. Pkt. (25 seeds) \$5.50; 1/256 oz. \$36.70; 1/128 oz. \$68.30; 1/64 oz. \$105.80.

1270 Sentimental Blue (8 in/20 cm) A tender perennial potted plant which is hardy from zones 3-8. Crop time 14 weeks. Star shaped 2 in/5 cm blooms. Pkt. (25 seeds) \$3.95; 250 seeds \$23.40; 1,000 seeds & over \$75.48 per M.



SUCCULENTS

CULTURE: Germinate at 65-75°F/18-24°C for 3-4 weeks. For pots and dish gardens. Sow seed from February 15th - April 15th. Seed size is variable. PERENNIAL.



1303A Hippie Chicks Sempervivum. Attractive structural plant for rock gardens, mixed containers and green roofs. Mixture in a variety of colors. Succulent leaf rosettes, non-branching flower spikes. Pkt. (25 seeds) \$3.25; 1,000 seeds & over \$49.62 per M.

1303 Hens and Chickens Mix Sempervivum. Fleshy leaf rosettes with rose, red or purple tones. Pkt. (150 seeds) \$2.95; 1,000 seeds & over \$11.30 per M.

GERBERA (Transvaal Daisy)

CULTURE: In the Northeast, sow Nov. 20th for early May flowering pots. Sow Feb. for Sept. blooms. Use a 128 cell tray with well-drained sterile medium like Pro Gro with good aeration, slightly fertilized for a pH of 5.5 to 5.8. Germinate at 75°F/24°C for 8-10 days. Leave seed uncovered and keep moist. Press seed into media surface but do not cover. Try to maintain a humidity of 70-75% and incandescent light of at least 12 hours per day in your germination chamber - for 8 to 14 days. Keep seedlings slightly shaded and cooler at 68-72°F/20-22°C, 20-30% humidity. Do not over water seedlings or keep them too damp between waterings. During dark weather, maintain supplementary lighting at 300-500 foot candles for 14 hours per day. As plugs or transplants develop 2 to 4 true leaves (4-6 weeks later), lower growing temps to 60°F/16°C. Allow 6 to 10 weeks from transplanting to flower. Grow plants at 72°F/22°C days and 65°F/18°C nights. Crop time for 5 in/15 cm pots 13-18 weeks.

908A Festival Select Growers Mix (6 in/15 cm) F1 hybrid. Compact uniform plants with tight flowering window. 8 weeks earlier than some hybrids. Bright filmcoat. Pkt. (10 seeds) \$5.95; 100 seeds \$39.55; 1,000 seeds & over \$320.51 per M.

908B Royal Premium Mix (6 in/15 cm) F1 hybrid. Formula blend of a dozen fantastic colors. Uniform flowering time, lots of semi double flowers per plant, short culture time. Pkt. (10 seeds) \$5.95; 100 seeds \$50.65; 1,000 seeds & over \$410.38 per M.

908C Majorette Mix (8-10 in/20-25 cm) The most uniform gerbera series ever! Perfect for large containers with multiple plants. Slick coated seed for streamlined sowing. Pkt. (10 seeds) \$5.95; 100 seeds \$42.85; 1,000 seeds & over \$347.86 per M.

POLKA DOT PLANT (Hypoestes)

CULTURE: Germinate at 70°F/21°C for 7 days, cover seed lightly. Use several light applications of a growth regulator. This should keep potted plants short for a while after sale. Pinching is not recommended. Plants take 11-13 weeks from seed to sale. Use 5 or 6 seedlings per 6 in/15 cm pot. Long daylength outdoors will cause plants to stretch to 16 in/41 cm.

1244 Splash Select™ Pink Pink spots/green leaves
1244D Splash Select™ Red Red spots/green leaves

Prices for Splash Select: 50 seeds \$4.05; 500 seeds \$17.80; 1,000 seeds & over \$28.83 per M.



PRIMULA

HYBRID PRIMULA ACAULIS

CULTURE: Pre-chill before sowing at 35-40°F/2-4°C for 48 hours. Sow from February 1 to April 1 or July 15 to August 1. Stems will get too tall if sown after August 7. Maintain soil at 70°F/21°C for 40 days. Keep moist. Don't cover seed. Most primulas overwinter better than pansies in the Northeast. Allow 16-20 weeks from transplanting to sale in flowering pots.

1256C Danova Mix (5 in/13 cm) Extremely uniform plants and flowering, grandiflora size blooms. Best series for 4 in/10 cm pots. Pkt. (10 seeds) \$4.25; 100 seeds \$21.55; 1,000 seeds & over \$108.84 per M.

HYBRID PRIMULA POLYANTHUS

CULTURE: Germinate like other primulas. This type is winter hardy and more upright in habit. Blooms are held above foliage. Allow 18-20 weeks from transplanting time to sale. Grow plants cool at 40°F/4°C. Use in milder climates. Zone 5b.

1261M SuperNova™ Mix (8 in/20 cm) Not as hardy as Pacific Giants but has better disease tolerance and is earlier flowering. Extra large 2 in/5 cm blooms on 4 in/10 cm umbels. Wider color range of up to 11 colors. Pkt. (25 seeds) \$4.75; 100 seeds \$18.05; 1,000 seeds & over \$108.70 per M.



HYBRID RANUNCULUS

CULTURE: Crop time 21-24 weeks from seeding. Used for greenhouse cut flowers, indoor house plants and outdoor cut flowers in the fall. Germinate cool at 50°F/10°C for 14 to 21 days from Sept.-Jan. Grow plants at 60°F/15°C days and 40°F/5°C nights.

MACHÉ™

(12-16 in/30-41 cm) Very early flowering, large flowered type with faster growing dark green foliage. Blooms mature about 10 weeks earlier than Bloomingdales. Stems become longer as daylength increases. Grow cool! Active growth ceases at 70°F/20°C. Sow in August for March sales.

1732 Maché Mix Formula blend of yellow, purple, cream, scarlet, orange, rose and red. Pkt. (10 seeds) \$4.75; 100 seeds \$17.20; 1,000 seeds & over \$121.41 per M.



DRACAENA (Spikes)

CULTURE: Sow in August for good 3 in/8 cm pots for May sales and December for 2.5 in/6 cm plants. Requires 15 months for husky 4-5 in/10-13 cm plants. Soak seed for 4 hours, then sow on soil surface (requires light to sprout). Germinate at 80°F/27°C for 28-35 days. Rubbed Seed.

895A Indivisa Long, sword shaped green leaves. Pkt. (65 Seeds) \$2.50; 250 seeds \$5.80; 1,000 seeds & over \$12.22 per M.



Alternanthera Purple Prince



Eucalyptus Baby Blue



Helichrysum Silver Mist



Ornamental Mint



COMPANION PLANTS

For an attractive foliage plant to compliment your containers or hanging baskets. The selection below are designed to add interesting texture and color to your favourite plant selections or use as a stand alone eye catching feature.

ALTERNANTHERA

1515A Purple Prince (10-16 in/25-41 cm) A durable carpet of ruby/burgundy foliage works great as a spiller in high-impact containers. Low maintenance and drought tolerant. Pkt. (10 seeds) \$4.95; 250 seeds \$95.10; 1,000 seeds & over \$276.06 per M.

ASPARAGUS

CULTURE: 600-750 seeds per oz/28 g. Soak seed for 48 hrs. in warm water or wet paper towel. Viable seeds will swell up. Sow in a sterile medium - cover seed lightly. Maintain uniform moisture. Use clear plastic or glass to cover seed flats to control humidity and temperatures. Germinate seed at 75-80°F/24-27°C for 21-42 days. Grow seedlings at 65-70°F/18-21°C. Transplant into 4 in/10 cm pots. Sow in April or Nov. - plants mature 26-28 weeks from seeding.

611 Sprenger Long graceful needle-like sprays for baskets. **CROP FAILURE.**

BEGONIA



SEMI DWARF GREEN FOLIAGE

P677 Gryphon (14-16 in/36-41 cm) Unique, shiny dark green veins on medium green, hand-size leaves have a tropical appearance. Mounded, upright plants spread 16-18 in/41-46 cm, and thrive at temps above 40°F/4.4°C in sun or shade. Does not flower. Multi-seed pellets. Pkt. (10 pellets) \$6.95; 100 pellets \$43.40; 1,000 pellets & over \$328.83 per M.



IRESINE



CULTURE: 44,800 seeds per oz/28 gr. Sow February 1st - 15th. Allow 11-14 weeks for finished 4 in/10 cm pots or 10 in/25 cm hanging baskets. Cover seed lightly, germinate at 74°F/23°C for 4 days. Use as purple foliage for cascading baskets or as ground cover. Spreads 3-4 ft/1-1.2 m.

966A Purple Lady (8 in/20 cm) Plant with coleus or impatiens in partial sun. Pkt. (10 seeds) \$5.95; 100 seeds \$35.45; 1,000 seeds & over \$250.00 per M.



DICHONDRA

CULTURE: 6,070 seeds per oz/28 gr. Allow 11-12 weeks for finished 4 in/10 cm pots and 13-14 weeks for 10 in/25 cm containers. Sow January 15th - February 1st. Germinate at 72-76°F/22-24°C for 4 days. Grow plants at 65-76°F/18-24°C days and 62-65°F/16-18°C nights. Rounded, fan shaped silver 1 in/3 cm leaves on short 0.75 in/2 cm side stems with long, 4 ft/1.2 m main trailing stems. Great for containers or as a ground cover. Branches without pinching, heat tolerant. Silver or green leaves.

P910B Emerald Falls Green (Multi-pellet only.)
910A Silver Falls Silver

Prices for Dichondra colors: Pkt. (10 seeds) \$4.95; 100 seeds \$35.05; 250 seeds \$74.75; 1,000 seeds & over \$247.48 per M.



EUCALYPTUS (Cinerea)



CULTURE: 42,000 seeds per oz/28 g. Tender perennial, hardy to only 25°F/-4°C in zones 9-11. Grow as an annual in the north. Sow Feb.15th for May pot sales. Germinate at 70°F/21°C for 14 days in a warm, humid area. Reduce temp to 45°F/8°C for 7 days until seeds sprout. Grow plants cool.

1530B Baby Blue (49 in/125 cm) Very fragrant foliage begins a strikingly silver-grey before maturing to a bluish juvenile color. Small well-branched bush for smaller gardens or in patio pots or as a house plant. Pkt. (25 seeds) \$4.25; 250 seeds \$24.00; 1,000 seeds & over \$79.98 per M

1530A SilverDrop (20 in/51 cm) Dwarf. Round silver blue-green leaves. Pkt. (25 seeds) \$4.25; 250 seeds \$24.00; 1,000 seeds & over \$79.98 per M.



Ornamental Oregano



FOLIAGE HELICHRYSUM



PETIOLARE MINUS

P973A SilverMist (8 in/20 cm) Round silver leaves 0.25 in/0.6 cm on silver stems 18 in/46 cm long. Plants branch and spread well without pinching. Silver foliage appears greenish under short spring and late fall daylength. Silver color intensifies with longer daylength. Use for hanging baskets or containers. Multi-pellet. 25 pellets \$10.45; 100 pellets \$34.05; 1,000 pellets & over \$247.48 per M.

ORNAMENTAL OREGANO

1799 Kirigami (8-10 in/20-25 cm) Eye-catching, non-edible oregano with large purple-green bracts, rose flowers and light green foliage. Its pleasant fragrance is attractive to pollinators. Heat and drought tolerant. Perfect for hanging baskets, borders and rock gardens. Pkt. (10 seeds) \$3.95; 250 seeds \$25.95; 1,000 seeds & over \$75.29 per M.

ORNAMENTAL MINT

P1899 Mini Mint An attractive, highly fragrant groundcover or small pot plant. Each multi-seed pellet contains 8-12 seeds, one plug in a 4 in/10 cm pot delivers a nice fast fill. Leaves are non-toxic but do not have a palatable flavor. Multi-pellets. Pkt. (10 pellets) \$3.95; 100 pellets \$19.40; 500 pellets \$45.00; 1,000 pellets & over \$83.66 per M.



Iresine Purple Lady



4 Easy Easy Ways To Order!

Please see page 1 for Details.



Aubretia Mixed Hybrids



Bellis Perennis Tasso Mix



Leucanthemum Madonna White



Aquilegia Winky Double Mix



Coreopsis Double the Sun

PERENNIALS AND BIENNIALS (See Flower Index for hardiness zones)



ACHILLEA (Yarrow)



CULTURE: Sow April 15th 6 to 8 weeks before sale in paks. Germinate at 68°F/20°C for 10 days. Press seed into soil surface, do not cover. Reduce night soil temperature during germination period. Grow seedlings cool at 60°F/16°C. Plants mature in August/September from seed the first year. Plants bloom June to August.

481 Summer Pastels Mix (24 in/61 cm) F2 Hybrid. Mix of pink, rose, apricot, cream, tan, purple, red, white. AAS Winner. Pkt. (100 seeds) \$3.95; 500 seeds \$17.95; 1,000 seeds & over \$32.27 per M.



ASCLEPIAS (Butterfly Weed)



CULTURE: 3,500 seeds per oz/28 g. *Blooms first year* from June-August. Sow indoors December - March. Germinate 70-75°F/21-24°C for 28 days. Leave seed exposed to light or press seed into soil. Grow seedlings at 65°F/18°C. Perennial for zones 4-9.

605 Tuberosa (30 in/76 cm) Upright 3 in/8 cm clusters of 0.75 in/2 cm bright orange shades. Pkt. (25 seeds) \$2.50; 250 seeds \$12.70; 1,000 seeds \$22.16 per M.



AUBRIETA



CULTURE: 114,000 seeds per oz/28 g. Germinate at 60°F/16°C uniform soil temp. for 20 days. Higher temperatures prevent germination.

690 Mixed Hybrids (6 in/15 cm) Purple Rockcress is a mat-forming perennial that grows to just 6 in/15 cm tall and produces masses of pink to purple (violet) flowers in spring. Pkt. (500 seeds) \$2.50; 1/32 oz. \$3.60; 1/4 oz. \$16.25; 1/2 oz. \$32.50.



BELLIS PERENNIS (English Daisy)

CULTURE: 135,000 seeds per oz/28 g. Germinate at alternating 70-80°F/21-27°C soil temp. for about 7 days. Press into soil. Do not cover seed. Sow Dec/Jan or July/Aug. Keep well watered. Grow cool 60-65°F/15-18°C. Mulch in fall. Multiflora doubles replace most grandiflora types due to their improved double flower shape. Biennial.

670 Tasso™ Mix (5 in/12 cm) Multiflora. Larger Tasso flowers with tight tubular petals have a much better double appearance than grandifloras or pomponettes. Very compact plants have short, strong flower stems that set buds uniformly. Earlier multiflora blooms than Grandifloras, more double and slightly smaller. 100 seeds \$3.30; 500 seeds \$11.10; 1,000 seeds & over \$13.62 per M.



AQUILEGIA (Columbine)



CULTURE: 15,500 seeds per oz/28 g. Sow indoors February 1st - March 15th. Chill seeds at 40°F/4°C for 5 days before sowing. Germinates at 70-80°F/21-27°C soil temp. in 25 days. Do not cover seed. Sow in late May or June for plants that bloom next year.

WINKY

(12-16 in/30-41 cm) Unique, dwarf series available in both single and double flowered mixes. Plants need vernalization (cold subzero exposure during winter months) to flower the second year. Both mixes have unusual upward facing flowers. Plants are mildew tolerant and daylight neutral after vernalization. Crop time 46 weeks. Sow mid June to late July. Hardy to Zone 3.

596A Winky Single Mix 7 colors. 20 seeds \$4.80; 100 seeds \$13.45; 1,000 seeds & over \$95.38 per M.

596B Winky Double Mix 4 colors. 20 seeds \$8.40; 100 seeds \$23.60; 1,000 seeds & over \$167.56 per M.

585 Songbird Mix (12 in/30 cm) Dwarf hybrid. *Blooms first year.* Blend of yellow, white, blue and rose/white, blue/white, lavender/white. 20 seeds \$7.65; 100 seeds \$27.60; 1,000 seeds \$191.92 & over per M.



COREOPSIS



CULTURE: 11,000 seeds per oz/28 g. Sow during the early spring for perennial sales. Sow outdoors anytime from April to June. Self-seeds easily, once established. Plants thrive in full sun from June to August.

731D Double the Sun (12-14 in/30-36 cm) Early, semi-double 2.5 in/6 cm golden yellow flowers. Great controlled habit with strong flowering. Primed seed. Zone 4A-9B.

731B Sunfire (24 in/61 cm) Single golden-yellow flowers with burgundy eye. Naturally compact plant works great in pots. Heat tolerant. Primed seed.

731A Sunkiss (12-14 in/30-36 cm) A color breakthrough in seed, the brightest yellow with large deep red blotch on the market! Well branched, excellent heat tolerance and easy to grow. *Blooms first year.* Primed seed.

Prices for the above three: Pkt. (25 seeds) \$2.95; 250 seeds \$18.45; 1,000 seeds & over \$56.02 per M.



CATANANCHE (Cupid's Dart)



CULTURE: Approx. 12,000 seeds per oz/28 g. Sow March 15th, cover seeds lightly, germinate at 65°F/18°C for 10 days. Grow plants cool at 60°F/15°C. Sold green in paks about 11-12 weeks.

791 Caerulea (24 in/61 cm) Smaller *blooms in first year* - larger blooms following year. Semi double 2 in/5 cm, light to mid blue papery blooms. Thin 8 in/20 cm leaves, wiry stems. Blooms Aug/Sept. Pkt. (30 seeds) \$2.95; 1/16 oz. \$5.00; 1/8 oz. \$7.55; 1/4 oz. \$10.50.



CENTAUREA



CORNFLOWER CULTURE: 1,200 per oz/28 g. Sow outside May 1st at 60°F/16°C soil temp. maximum. in total darkness for 30 days. Germinates irregularly. Thin to 16 in/41 cm apart. Sow indoors April 1.

786A Classic Artistic Mix (32 in/81 cm) Hardy annual. Exceptional Cornflower mix for knee high borders, landscaping or cut flowers. Blend of red, white, pink, maroon, light and dark blue bicolors with white tips. Blooms May to Sept. from an outdoor Spring sowing. Pkt. (100 seeds) \$2.95; 1/4 oz. \$5.75; oz. \$12.80.



CHRYSANTHEMUM



LEUCANTHEMUM - SHASTA DAISY

CULTURE: 21,000 seeds per oz/28 g. Sow January 15 - February 15th for perennial plant sales in May. Germinate at 60-65°F/16-18°C (no higher) for 20 days. Do not cover seed. Lower night temperatures to 50°F/10°C for best results. Grow plants cool. Use dwarf types for pots.

854Z Madonna White (8-10 in/20-25 cm) Compact, *first year flowering* offers excellent uniformity in height and habit. Excellent vigor, leaf quality with 5% laced petals for a unique look. Pkt. (20 seeds) \$4.50; 250 seeds \$54.70; 1,000 seeds & over \$95.54 per M.

853 Crazy Daisy (24 in/61 cm) Large white shaggy, quilled, double flowers with yellow eyes, average 2.5 in/6 cm across. *Blooms June/July the second year.* For backgrounds or cutting. Pkt. (25 seeds) \$2.50; 250 seeds \$21.90; 1,000 seeds & over \$38.23 per M.

846 Snow Lady (10 in/25 cm) F1 hybrid. Dwarf Shasta. 4 in/10 cm pots. *Blooms first year.* Pkt. (25 seeds) \$3.95; 250 seeds \$21.65; 1,000 seeds & over \$69.68 per M.



Digitalis Panther



Gaillardia Arizona Apricot



Delphinium Jenny's Pearl Blue



Delphinium Jenny's Pearl Pink



Delphinium Dasante Blue



CAMPANULA



CULTURE: 198,000 seeds per oz/28 g. F1 hybrid. Recommended as a *first year blooming* 24 in/61 cm biennial cut flower. Attractive bell shaped flowers do not have saucers and last for 15 days after cutting. Strong multi stem branching plant. Sow Dec/Jan like pansies for June blooms. Germinate at 70°F/21°C for 14 days. Champion series is pelleted seed.

P743J Champion Blue P743K Champion Pink

Prices of Champion colors: Pkt. (10 pellets) \$3.95; 100 pellets \$17.15; 500 pellets \$68.20; 1,000 pellets & over \$117.39 per M.

736A Clockwise™ Deep Blue (8-12 in/20-30 cm) *Campanula portenschlagiana*. *First year flowering*, offers fast, uniform production. Pkt. (10 seeds) \$3.95; 100 seeds \$14.05; 500 seeds \$55.80; 1,000 seeds & over \$96.11 per M.



CAMPANULA CARPATICA

CULTURE: Sow indoors in greenhouse, Dec/Jan. for April blooms. Sow tiny seeds 1/16-1/8 in/1.5-3 mm deep in rows. Press seed into soil, but do not cover. Germinate at 65-72°F/18-22°C for 14 to 30 days. Transplant seedlings about 30 days after germination into 3-4 in/8-10 cm pots or paks in groups of 3-5 seedlings per pot - from Feb. until June. Transplant outdoors in late May. Pests and Diseases: Powdery Mildew, Rust, Thrips & Mites.

RAPIDO

(5-7 in/13-18 cm) F1 hybrid. Plants are mounded in shape and spread 5-8 in/13-20 cm. Space 12-14 in/30-36 cm apart outdoors. Young plants have better vigor and uniformity which delivers better finished plants. Pelleted seed only.

P742Y White

P742Z Blue

Prices for Rapido colors: Pkt. (10 pellets) \$3.50; 100 pellets \$10.15; 500 pellets \$34.25; 1,000 pellets \$58.64.



FOXGLOVE (Digitalis)



CULTURE: 130,000 seeds per oz/28 g. (seed size varies). Sow indoors Feb.1st for May sales. Germinate @ 70°F/21°C soil temp. for 7 days. Press seed into surface. Grow plants cool at 50-60°F/10-15°C for 7 weeks. Divide plants in spring. Biennial. Protect plants above zone 5. Pelleted seed only.

P887B Panther (18-22 in/46-56 cm) Compact, uniform, heavily branching plants that produce multiple spikes of vibrant rose-pink with speckled throat flowers. *First year flowering*, attracts pollinators. Pkt. (20 pellets) \$5.25; 100 pellets \$22.45; 1,000 pellets & over \$127.99 per M.

P887M Dalmatian™ Mix (16 in/41 cm) *Blooms first year*. Dwarf tender perennial with hardiness to zone 5a (0°F/-17°C). Well branched plant for gallon pots. Pkt. (20 pellets) \$3.75; 100 pellets \$16.65; 500 seeds \$57.45; 1,000 pellets & over \$94.81 per M.

P1540 Camelot™ Mix (3.5 ft/1m) F1 hybrid. *Blooms first year*. Very uniform huge tubular florets with speckled throats. Rose, cream, lavender, white. Pkt. (20 pellets) \$3.50; 100 pellets \$16.15; 500 seeds \$49.25; 1,000 pellets & over \$76.72 per M.



ECHINACEA (Rudbeckia)



CULTURE: 10,000 seeds per oz/28 g. Sow in rows or clumps outdoors in early May for fall bloom. Sow indoors March 15th for August blooms. Plants flower 16 weeks after seeding. Germinate at 70°F/21°C, 15-20 days. Drought tolerant, hardy zones 3-9.

POWWOW®

(16 in/41 cm) *Blooms first year*. More flowers per plant.

903D White Pure white with yellow center
903W Wild Berry

Pkt. (10 seeds) \$5.95; 100 seeds \$32.50; 1,000 seeds & over \$278.43 per M.

903C Cheyenne Spirit (18-30 in/46-76 cm) More blooms per plant. Shades of red, orange, cream, purple, yellow, white and scarlet. AAS Winner. Pkt. (10 seeds) \$6.95; 100 seeds \$59.25; 1,000 seeds & over \$556.92 per M.

903B Prairie Splendor® Deep Rose (24 in/61 cm) *Blooms first year* from mid summer until fall. 3 weeks earlier than Bright Star. Extra large blooms like full sun. Pkt. (10 seeds) \$3.75; 250 seeds \$28.10; 1,000 seeds & over \$70.86 per M.



GAILLARDIA



CULTURE: 10,000 per oz/28 g. Sow anytime from April to August. Germinate at 80°F/27°C soil temp. for 21 days. Needs full sun. Blooms June/November. Crop time 7-10 weeks from transplant.

MESA™

(16 in/41 cm) F1 hybrid. *Blooms first year*. Well branched upright plants. Drought tolerant. Use 4 in/10 cm pots.

922R Red
922Y Yellow

922P Peach peach/red
922X Bright Gold/scarlet

Prices for Mesa: Pkt. (25 seeds) \$4.95; 250 seeds \$41.40; 1,000 seeds & over \$128.90 per M.

ARIZONA™

(12 in/30 cm) *Blooms first year*. Huge 3.5 in/9 cm early summer-fall flowering dwarf plant for gallon containers. Hardiness zones 2-10.

922F Sun Bicolor red/yellow, AAS Winner.
922G Red Shades Deep crimson
922H Apricot Pure apricot

Prices for Arizona: Pkt. (25 seeds) \$3.25; 100 seeds \$11.50; 1,000 seeds & over \$54.63 per M.



DELPHINIUM



JENNY'S PEARL™

(20-25 in/50-63 cm) Beautiful branched sprays of flowers for use in pots, bedding or as a cut flower.

855A Blue

855B Pink

Prices for Jenny's Pearl: Pkt. (25 seeds) \$15.60; 100 seeds \$50.30; 1,000 seeds & over \$290.75 per M.



DELPHINIUM



CULTURE: 10,000-18,000 seeds per oz/28 g. Freeze seed for 24 hrs. before sowing. Sow outdoors August 20th. Do not pinch plants. Add lime to soil each year. GREENHOUSE: Sow indoors from Jan-Feb.15th for spring sales. Germinate in cool sand at 54°F/12°C for 20 days. High soil temperatures will prevent germination. Grow seedlings at 60°F/16°C days, 50°F/10°C nights.



1907P Dasante Blue (28-34 in/71-86 cm) Vibrant blue flowers with light purple accent and white bee. Easy-care, cool season crop with uniform, grower friendly compact plants. 100 seeds \$34.50; 1,000 seeds & over \$199.50 per M.

DELPHINA™



(14-18 in/36-41 cm) *Blooms first year*. The first naturally compact habit delphinium. Plant in partial to full shade.

854A Dark Blue White Bee
854B Light Blue White Bee

Prices for Delphina colors: Pkt. (25 seeds) \$4.75; 250 seeds \$37.25; 1,000 seeds & over \$86.22 per M

MAGIC FOUNTAINS

(30-36 in/76-90 cm) *Blooms first year*. Dwarf, wind tolerant. For cutting flowers or containers.

868B Dark Blue White Bee **868E Pink White Bee**
868F Sky Blue White Bee **868H Cherry Blossom**

Prices for Magic Fountains colors: Pkt. (50 seeds) \$3.95; 250 seeds \$17.50; 1,000 seeds & over \$30.55 per M

BENARY'S PACIFIC GIANTS

(5 ft/153 cm) *Blooms first year* from a December greenhouse sowing, without vernalization. An improvement on the Pacific primary separate colors. Croptime 12 weeks for green plants; flowering containers 16 weeks; cut flower production 1-2 years.

1740D Astolat Raspberry rose and pink/dark bee
1740A Black Knight Deep violet
1740B Galahad Clear white
1740G King Arthur Violet/white bee
1740C Benary's Mix Ten color blend

Prices for Benary's Pacific colors & mix: Pkt. (25 seeds) \$3.95; 250 seeds \$17.50; 1,000 seeds & over \$30.55 per M.

GUARDIAN HYBRIDS

(30-39 in/76-99 cm) An F1 hybrid breeding breakthrough. Uniform blooming plants are highly programmable. Excellent bloom production during short days for the cut flower market. Better than O/P's for greenhouse, high tunnels or field production. Thinner, stronger stems provide good post harvest handling. Blooms 6 weeks faster than O/P's. Harvest at 1/3 spike color.

1907A Blue **1907C White** **1907B Lavender**
1907 Guardian Mix Blend of blue, lavender, white

Prices for Guardian colors & mix: 25 seeds \$10.70; 100 seeds \$34.50; 1,000 seeds & over \$199.50 per M.



Gaura Sparkle White



Hibiscus Luna Rose



Myosotis Mon Amie Mix



Lavender Scent Blue



Lupins Gallery Mix



GAURA

Early blooming, compact, free flowering perennial *blooms first year* from a January sowing. Easy to grow no pinching necessary. Sell in 4-6 in/10-15 cm pots. Crop time 12-14 weeks (sowing to flower). Blooms 5 weeks from transplants. Drought tolerant. Germinate at suggested temp of 65-68°F. Garden height is 20 in/51 cm - spreads 12 in/30 cm. Likes full sun.

1555 Sparkle White Mounded compact plants with single 3.5 in/9 cm white flowers with a pink blush. Flowers June to Sept. Pkt. (25 seeds) \$4.75; 1,000 seeds & over \$131.48 per M.



HEUCHERA (Coral Bells)



CULTURE: 900,000 per oz/28 g. Sow indoors thinly March 1st, transplant in groups of 3 or 4 seedlings per pot. Sow outdoors, May 1st for blooms next May and June. For rock gardens and cutting.

P983A Palace Purple (10-12 in/25-30 cm) Dainty bell shaped blooms mature white to green on mahogany stems. Purple bronze foliage contrasts with silver or golden leaved plants. Pkt. (50 pellets) \$2.95; 250 pellets \$10.50; 1,000 pellets & over \$26.21 per M.

P983M Melting Fire (18 in/46 cm) Matures bright red curled leaves and coral florets. Crop time 20 weeks for pots. Pkt. (50 pellets) \$4.95; 250 pellets \$21.90; 1,000 pellets & over \$55.25 per M.



HOLLYHOCK (Althaea)



CULTURE: 3,000 seeds per oz/28 g. Sow March 1st for perennial sales. Germinate 20 days in 60°F/16°C soil (higher temp. limits germ). Sow outdoors May-July. Blooms late June.

990 Chaters Double Triumph Mix (7 ft/2.1 m) Fully double. Rose, salmon, red, buff, yellow, maroon, white, scarlet. Pkt. (35 seeds) \$2.50; 1/4 oz. \$6.35; oz. \$17.20.



HYBRID HIBISCUS



LUNA

(24-36 in/60-91 cm) 2,835 seeds per oz/28 g. *Blooms first year*, 16 weeks from sowing. Seed should germinate in 5 days. Sow February 1st at 70°F/21°C, cover seed lightly. Grow plants at 68°F/20°C - needs 12 hours of light per day for flowering to begin. Does not need pinching. Plants like full sun and spread 2 ft/60 cm. Hardy to zone 5 (-20°F/-29°C). Impressive 6-8 in/15-20 cm blooms on bushy, well branched plants.

1865C Red
1865D Rose

1865E White

Prices for Luna: Pkt. (10 seeds) \$8.90; 100 seeds \$86.50; 500 seeds \$406.35; 1,000 seeds & over \$687.65 per M.

1865B Pink Swirl 100 seeds \$86.50; 500 seeds \$406.35; 1,000 seeds & over \$687.65 per M.



LAVENDER



CULTURE: Sow indoors in early April or outdoors April 15 - May 15th. Germinate @ 45-60°F/7-16°C for 4 or 5 days. Pre-chill seed for 24 hours before sowing. Press seed into the soil surface, do not cover - it needs light to germinate. Plug production will take 6-8 weeks. Transplant after 30 days into 4 in/10 cm pots - grow @ 60°F/15°C days and 52°F/9.5°C nights. Blooms late June-August. Tender perennial - Zone 5A.

SCENT™



(12-16 in/30-41 cm) OP. *Blooms first year*. Early flowering deep purple-blue spikes on silvery-green mounded plants with a vigorously branching habit. Primed seed.

R165X Scent Blue **R165Y Scent White**
R165Z Scent Early Blue & White Mix

100 seeds \$12.45; 1,000 seeds & over \$53.63 per M.

165D Lavance Deep Purple (10 in/25 cm) *Blooms first year*. Deepest purple-blue color without bleaching. Strong branching, yields well during long daylength and does not break in shipping. Highly scented. 100 seeds \$12.65; 1,000 seeds & over \$54.38 per M.

165B True Lavender 90 days. *Lavandula Angustifolia*. Perennial. True Lavender with a 24 in/61 cm bushy plant and purple spikes. Used for essential oil, fragrant cut flower or dried for soaps and sachets. Pkt. (100 seeds) \$2.50; 1/16 oz. \$11.50; 1/4 oz. \$38.70; oz. \$99.35; 1/4 lb. \$397.40.



LUNARIA (Silver Dollar)

CULTURE: 1,500 seeds per oz/28 g. Sow in July to produce flat silvery seed pods the second year. Sow indoors April 1st at 70°F/21°C for 20 days. Flowers July-Sept.

964 Biennis Alba (36 in/91 cm) Silver seed pod pouches do not appear until 2nd year. They are cut and dried. Pkt. (50 seeds) \$2.50; 1/4 oz. \$3.60; oz. \$4.95.



MONARDA (Bee Balm)



CULTURE: 56,000 seeds per oz/28 g. Germinate at 60°F/16°C for 21 days, press seed into soil. Sow indoors February 15th. Sow outdoors spring or fall.

914 Panorama Mix (30 in/76 cm) Scarlet, pink, salmon and red 2 in/5 cm round, shaggy, semi double blooms. Blooms July/August. Leaves have mint aroma. Likes moist semi shaded soil. Pkt. (25 seeds) \$2.75; 250 seeds \$13.10; 1,000 seeds & over \$22.86 per M.



MYOSOTIS (Forget-Me-Not)



CULTURE: 42,000 per oz/28 g. Sow outdoors June - August for blooms a year later. Year old field grown plants may stress in a hot early spring, becoming ragged, tall, overmature and discolored. GREENHOUSE: Sow December - January. Culture similar to pansy but not as hardy. Germinate in 54°F/12°C soil (no higher) for 10 days, in total darkness. Prefers moist location. 6-8 weeks from seed to sale in paks green. Excellent dwarf perennial shade plant for cutting. Blooms April to June. Mon Amie Blue = PVP.

MON AMIE

(8 in/20 cm) Use for florist 4.5 in/10 cm pots or 406 premium paks. Blooms first year. Mounded plant habit. Total crop time 10 weeks. Blue = PVP.

916A Blue
916Z Mix

916B Pink

Pkt. (50 seeds) \$5.95; 250 seeds \$28.15; 1,000 seeds & over \$84.97 per M.



LUPINS



CULTURE: 1,200-1,500 seeds per oz/28 g. Freeze seed for 48 hrs., then soak seed for 24 hrs. in a damp newspaper. Sow indoors in peat pots February 15 - March 1st germinate and grow at 54°F/12°C for 20 days. Blooms May-June.

GALLERY®

(20 in/51 cm) Best dwarf strain of lupins for gallon or quart containers, perennials or wind tolerant commercial cut flowers. Full 6 in/15 cm flower spikes. Coated seed.

1047A White
1047C Yellow
1047E Red/White

1047B Blue/White
1047D Rose/White
1047 Mix

Prices for Gallery colors & mix: Pkt. (40 seeds) \$4.95; 500 seeds \$54.85; 1,000 seeds & over \$79.61 per M.

OENOTHERA (Evening Primrose)

CULTURE: 5,000 seeds per oz/28 g. Sow indoors January - February, 7-10 weeks before sale in paks. Chill seed 14 days before sowing. Germinate seed, alternating warmer day (75°F/24°C) and cooler night (60°F/16°C) soil temperatures for 14 days. Blooms June to August. Trailing plant habit.

1270C Missouriensis Sun Drops (12 in/30 cm) Ground cover. Large 3 in/8 cm single Poppy-like, lemon yellow blooms cover compact plants. Pkt. (50 seeds) \$2.50; 250 seeds \$5.90; 1,000 seeds & over \$10.33 per M.



Penstemon Electric Blue



Rudbeckia Cherry Brandy



Sweet William Rockin' Purple



Poppy Champagne Bubbles Mix



Sweet William Rockin' Red

PENSTEMON (Beard Tongue)

CULTURE: 39,000 seeds per oz/28 g. Sow indoors March 1st. Freeze seed for 10 days before sowing. Germinate at 60°F/16°C for 20 days. Grow plants cool. Plants flower 14 weeks from seed. *Blooms first year.* Tender perennial Zone 6.

902E Arabesque™ Red (10-24 in/25-61 cm) F1 hybrid. Bicolor red 0.75 in/2 cm flowers blooms summer till frost. AAS Winner. Pkt. (25 seeds) \$5.50; 250 seeds \$66.75; 1,000 seeds & over \$180.68 per M.

902A Electric Blue (18 in/46 cm) Pkt. (25 seeds) \$3.75; 500 seeds \$48.25; 1,000 seeds & over \$65.28 per M.

POPPY (PAPAVER)

CULTURE: Difficult to transplant - sow directly into peat pots, outdoors, May 1 - July in 75°F/24°C soil. Do not cover seed. Sow indoors March 1, reduce night soil to 60°F/16°C.

1210B Pizzicato Mix (24 in/61 cm) Wind tolerant. Large 8 in/20 cm blooms in red, pink, mauve, salmon, white and red with black centers. Pkt. (50 seeds) \$4.95; 250 seeds \$23.80; 1,000 seeds & over \$81.66 per M.

1209 Wonderland Mix (10 in/25 cm) Nudicaule. F2 hybrid for 4 in/10 cm pots or sales in paks. Large single 4 in/10 cm blooms, 10 months from seed. Shades of pink, orange, yellow and white. Biennial. Pkt. (50 seeds) \$2.75; 1,000 seeds & over \$18.24 per M.

1211 Champagne Bubbles Mix (15 in/38 cm) F1 hybrid. Biennial through zones 6a-8b (mid US). Frost tolerance to -10°F/-23°C. *Plants bloom first year* from seed, have strong stems, and improved colors. Primed seed. A mix of orange, pink, scarlet, white and yellow blooms with pale yellow centers. 50 seeds \$3.20; 250 seeds \$11.50; 1,000 seeds & over \$22.81 per M.

PEROVSKIA (Russian Sage)

Upright 18-36 in/46-90 cm aromatic silver foliage produces a mass of small blue flowers on strong silver stems that ship easily. Sow Jan., 10th - one seed per 288 cell or 3 seeds per 128 cell. Cover seed with vermiculite to maintain a high moisture level for germination in 2-4 days until radical emerges - in soilless mix with a soil temp of 72°F/22°C. Keep seedlings moist and warm in plugs for 8 weeks, pinch before transplanting. Total crop time 20 weeks. Use growth regulator 3 or 4 times for bushy plants in gallon containers. Hardy to zone 4a. Heat tolerant. *Blooms first year.*

1275E Blue Steel Pkt. (10 seeds) \$4.95; 100 seeds \$42.55; 1,000 seeds & over \$359.69 per M.

PYRETHRUM

CULTURE: 18,000 per oz/28 g. Sow March 1st for June blooms, or outdoors in July. Germinate in 75°F/24°C soil for 21 days. Plants produce single flowers first season from seed, then bloom May/June. Chrysanthemum/Daisy.

1260 Robinsons Giant Single Mix (30 in/ 76 cm) Best single, daisy flowered strain. Stems extremely strong. Red and pink shades. Pkt. (250 seeds) \$2.50; 1/16 oz. \$4.90; 1/4 oz. \$10.05; oz. \$37.25.

RUDBECKIA (Fulgida/Hirta)

CULTURE: 25,000 seeds per oz/28 g. Sow indoors March 1st, alternate soil temperature from 65°F/18°C nights to 70°F/21°C days for 14-21 days. Press seed into surface. Grow seedlings and plants cool.

1302 Goldsturm (28 in/71 cm) Golden with dark discs. Blooms Aug-Sept., Zone 4. Primed Seed. Pkt. (25 seeds) \$3.95; 250 seeds \$34.85; 1,000 seeds & over \$60.85 per M.

1258K Cherry Brandy (24 in/61 cm) First ever red semi-hardy Rudbeckia from seed. Blooms all summer long. Hirta type zone 5. Pkt. (50 seeds) \$4.75; 250 seeds \$23.20; 1,000 seeds & over \$79.14 per M.

SALVIA

1263A Salvatore Blue (10-12 in/25-30 cm) Features the largest spikes and the deepest blue colored calyx and flowers of any Salvia nemorosa from seed. Coated seed. Pkt. (10 seeds) \$3.50; 100 seeds \$7.50; 1,000 seeds & over \$53.04 per M.

SAXIFRAGA

Culture: 392,000 to 492,000 seeds per oz/28g. Germinate at 65 to 68°F (18 to 20°C) for 7-11 days. Vernalization required about 12 weeks at 41°F (5°C). Day-neutral plant, 40 to 50°F (4 to 10°C) nights, 60 to 65°F (16 to 18°C) days, 37 to 48 weeks crop time. Hardiness zone 4-7.

P1830 Rocco Red (3-5 in/8-13 cm) Saxifraga X arendsii makes a vigorous short stemmed plant that fills a container well. More uniform red color. Plants bloom second year. Hardy to Zone 4. Pkt. (50 pellets) \$3.95; 1,000 pellets & over \$36.94 per M.

SCABIOSA

CULTURE: 2,000 per oz/28 g. Sow March 1st in peat pots at 70°F/21°C soil temp. (60°F/16°C nights) for 14-21 days. Sow outside in early June or Sept. Thin or transplant 12 in/30 cm apart in slightly alkaline soil with good drainage. Keep watered when hot.

1309A Fama Deep Blue (20 in/51 cm) Caucasia. Plants bloom from May to fall. Extra large blooms. Crop time: 288 plugs - 6 weeks; gallon pots - 12-14 weeks. Hardy through zones 3-7. Pkt. (10 seeds) \$5.25; 250 seeds \$86.55; 1,000 seeds & over \$218.31 per M.

TRITOMA (Kniphofia/Torch Lily)

CULTURE: 9,000 seeds per oz/28 g. Sow indoors in Jan-May or outdoors in June. To germinate, vary day/night soil temps. 65-70°F/18-21°C for 15 days. Grow plants cooler at 50°F/10°C. Sold green in paks.

1347 Flamenco (32 in/81 cm) Sow Jan. 15th for July blooms. Blend of cream, orange, yellow and red. Pkt. (25 seeds) \$3.50; 250 seeds \$29.55; 1,000 seeds \$88.78.

VERONICA

CULTURE: 224,000 per oz/28 g. Should be sown outside where it blooms May 15. Excellent medium height rock garden perennial. It can be sown indoors Feb. 20th at 65°F/18°C for 16 days. Reduce soil temp. at night. Grow cooler at 45°F/7°C, 2 weeks after germination. Pelleted seed only.

P1375B Blue Bouquet (12 in/30 cm) *Blooms first year.* Flowers from late Spring throughout summer. Increase soil fertility and moisture for longer stems. Pkt. (25 pellets) \$4.50; 250 pellets \$43.30; 1,000 pellets & over \$86.18 per M.

SWEET WILLIAM (Barbatus)

CULTURE: Sow indoors February 15th; April 15th outdoors. Blooms following summer. Plants self-seed. Sow 10-12 weeks before sale in pots. Germinate at 70°F/21°C for 10 days. Grow plants cooler at 50°F/10°C.

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P878A Pink Magic
P878C Red

P878B Purple
P878D Rose

100 pellets \$37.55; 1,000 pellets & over \$217.18 per M.

HYBRID SWEET WILLIAM

SWEET™



(18-36 in/46-91 cm) F1 hybrid. *First year blooming*, tender wind tolerant perennial - zone 7a (0°F/-15°C). Produces high yields of strong, upright stems. Fragrant cut flower. Very uniform, single flowered series with some frost and good heat tolerance. Taller growth 36 in/90 cm is possible from early, fall transplanted greenhouse plants. Pelleted seed only.

P1822B Black Cherry
P1822 Sweet Mix

P1822C Red
P1822D White

Prices for Sweet colors & mix: Pkt. (30 pellets) \$4.95; 100 pellets \$15.45; 1,000 pellets & over \$71.98 per M.

DWARF SWEET WILLIAM

DASH®



(15-20 in/38-51 cm) Hardy perennial. No vernalization. Blooms Spring, Summer, Autumn the *first year*. Pelleted seed.

P1819A Crimson rose center **P1819 Mix**
P1819B Magician rose/white shades

Prices for Dash colors & mix: Pkt. (30 pellets) \$6.50; 250 pellets \$56.40; 1,000 pellets & over \$161.61 per M.

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