




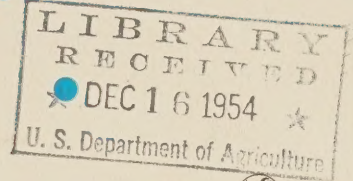
CELOSIA, TOREADOR

 Bronze Medal Award for 1955. New richer and brighter red Cockscomb. Page 7.

THE INDIANS ARE HERE!

Turn to page 14

*"German's Seeds
Germinate"*



PETUNIA, PRIMA DONNA
Bronze Medal Award for 1955. A bright rose pink version of Ballerina. Page 14.



1955

Our 29th Year

H. G. GERMAN, Seeds

*Florists' and Market Gardeners'
Wholesale Price-List*

SMETHPORT • PENNSYLVANIA



ASTER POWDERPUFFS

New complete mixture of Bouquet types.



PETUNIA, COMANCHE

Introduced last year and now on every progressive grower's list.



PANSIES, GERMAN'S SPECIAL SWISS GIANTS

This new mixture has very large flowers in an excellent range of colors.



COLEUS, GERMAN'S RAINBOW MIXTURE

Surpasses all other strains in brilliancy and vigor. Medium to large leaves in a wide range of striking and pastel colors.



German's Seeds Germinate

GERMAN'S SEEDS are obtained from the best sources available and are for the most part originators' stock. The remainder are obtained from leading American and European growers.

We solicit business from the critical florist grower. In this catalog we have tried to do all possible to list the most profitable and leading strains available today.

We sell only seeds of good vitality, which will grow under normal conditions. All seeds are tested in our own laboratory before shipping.

H. G. German, Seeds warrants to the extent of the purchase price that seeds or bulbs sold are as described on the container, within recognized tolerances. Seller gives no other or further warranty, express or implied.

We invite inquiries from large growers. Write us about your requirements on any seeds listed in this catalog, and we will answer promptly.

Discounts: When cash is enclosed or on C.O.D.'s: under \$5.00, net; \$5.00 to \$25.00, 5%; \$25.00 and over, 8%.

On charge orders: If paid within 10 days from date of invoice: under \$5.00, net; \$5.00 to \$50.00, 2%; \$50.00 to \$100.00, 5%; \$100.00 and over, 8%.

No cash discount on supplies.

Payments should accompany all orders unless credit has been established.

All prices in this catalog subject to change without notice.

All seed orders sent prepaid to U. S. and Canada.

All items in this catalog are offered subject to crop failures or shortages.

Orders shipped by return mail

H. G. GERMAN

Specialists in Florists' Flower Seeds

SMETHPORT, PA.

103 Bank St.

Phone: 436

FLOWER SEEDS

In order to assist our customers, we are giving the following information under each variety: the approximate number of seeds per ounce; temperature for best germination; number of weeks required to germinate; and in the case of spring bedding plants, the approximate sowing date for salable plants for late May and early June sales. Example: AGERATUM, 238,000 S; 65° to 75° F.; 3 weeks; late Dec.

AGERATUM

238,000 S; 65° to 75° F.; 3 weeks; late Dec.

Blue Ball Improved. 6 to 10 in. Tr. pkt. 50c, 1/8oz. 70c, 1/4oz. \$1.30.

Blue Bedder. Medium-sized, bright blue flowers. Tr. pkt. 50c, 1/8oz. 90c, 1/4oz. \$1.60, oz. \$5.00.

Golden Ageratum (*Lonas inodora*). Clusters of golden yellow, ageratum-like flowers freely produced on a 12-inch plant. Tr. pkt. 40c, 1/8oz. 80c, 1/4oz. \$1.50.

Midget Blue. Profuse blooming; clear blue. This is the finest seed-produced strain, with Blue Bedder a close second. 4 to 6 in. Tr. pkt. 50c, 1/8oz. \$1.00, 1/4oz. \$1.75, oz. \$6.00.

Dwarf White Improved. Pure white, quite uniform. Tr. pkt. 35c, 1/8oz. \$1.00, 1/4oz. \$1.85.

Fairy Pink. Light salmon-pink. Tr. pkt. 35c, 1/8oz. \$1.00, 1/4oz. \$1.85.

ALYSSUM maritimum (Sweet Alyssum)

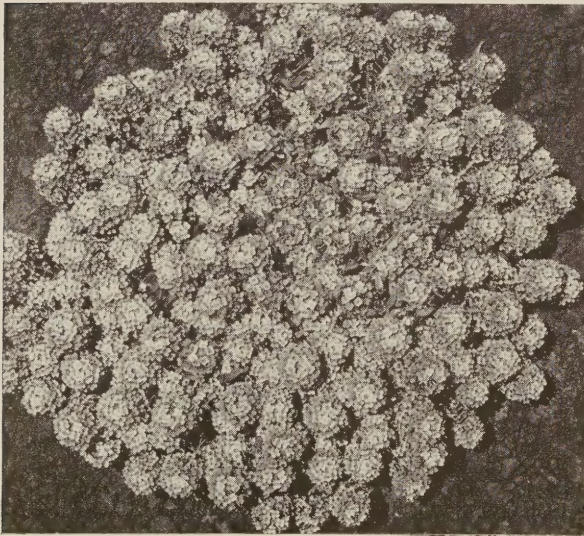
80,000 S; 65° to 75° F.; 2 weeks; early Feb.

Royal Carpet. 1953 Top All-America Selection. A new gem for the garden. The spreading, compact habit and rich violet color will make it an excellent companion for Carpet of Snow. Height 3 in.; spread 10 to 12 in. Tr. pkt. 50c, 1/4oz. \$1.35, oz. \$4.50.

Carpet of Snow. Spreading. 2 to 3 in. 1/4oz. 30c, oz. 90c.

Little Dorrit. Miniature white. 4 in. 1/4oz. 30c, oz. 85c.

Violet Queen. Dwarf rich violet. 5 in. 1/4oz. 50c, oz. \$1.25.



ALYSSUM, Royal Carpet

ANTIRRHINUM (Snapdragon)

"Long Season Culture of Forcing Varieties" by A. J. Snyder of Rockwood Floral Co., Inc., an interesting booklet on "Snap" culture, gives the planting and flowering dates for different seasons, number of days from planting seedlings to benching, etc. Sent free upon request.

"Instructions for Single-Stem Snapdragon Culture" lists the leading varieties, gives the number of days from sowing to benching and the number of days from benching to blooming for every month of the year. Available upon request.

We are always glad to help our customers select the best varieties for their conditions and invite inquiries from them. When writing, state the season you want the Snaps to bloom and when you can bench them. We will gladly send suggestions.

"SNAPS" for Greenhouse Forcing

For years we have made a specialty of our varieties of "Snap" seeds and they have been enthusiastically received by the trade. Originator's packets are shown with the originator's name in parentheses.

Expected Blooming Periods

All blooming periods marked below are based on pinched plants grown on raised benches at 50° F. nights. In order to better describe the many varieties listed, we have divided them into five groups: E, early varieties that flower by Dec. 15; M, mid-season (often called winter-blooming) varieties that bloom from Dec. 15 to Jan. 15; L, those blooming after Jan. 15; S, spring bloomers that are very late and should be planted to follow chrysanthemums at the earliest; and HW, hot-weather varieties for June, July, August and September flowering only.

Pink and Rose Hybrids

- E **Chevy Chase Pink.** (Winkler.) Bright pastel pink. Heavy stem and large spike, resistant to shatter. 1/2tr. pkt. \$2.00, tr. pkt. \$3.50.
- M **Hercules.** (Ball.) Light pink. Very hard, clean stem. 1/2tr. pkt. \$2.00, tr. pkt. \$3.50.
- M **Libby.** (Yoder.) A dark rose-pink hybrid with very strong stem and good vigor. Large florets, close set. A second early, flowering after Mary Ellen. 1/2tr. pkt. \$2.00, tr. pkt. \$3.50.
- E **New Times.** (Pan-American.) Better Times color. Hybrid with vigorous growth and good stems. 1/2tr. pkt. \$1.75, tr. pkt. \$3.00.
- E **Pink Ice.** (Ball.) Bright pink with nearly white lips. 1/2tr. pkt. \$2.00, tr. pkt. \$3.50.
- M **Rosanna.** (Ball.) An early deep rose. Strong, clean grower. 1/2tr. pkt. \$2.00, tr. pkt. \$3.50.
- L **Spartan Rose.** MSC #13. Medium rose-pink, nicely spaced florets on a long spike. 1/2tr. pkt. \$1.75, tr. pkt. \$3.00.
- E **Wintergreen.** (Yoder Bros.) Very fine light rose-pink. Compact spikes; uniformly placed florets; stiff wiry stems. Tr. pkt. \$3.50.
- M **Better Times.** (Windmill.) American beauty rose-red. Tr. pkt. \$2.00.
- M **Christina.** (Yoder.) Light pink, color between Dorcas Jane and Mary Ellen. 1/2tr. pkt. \$2.00, tr. pkt. \$3.50.
- E **Christmas Cheer.** (Windmill.) Well-known light rose-pink. Tr. pkt. \$3.00.

Try NEW TIMES, a Better Times Rose shade.

H. G. GERMAN, 103 Bank Street, Smethport, Penna.

ANTIRRHINUM, continued

Pink and Rose Hybrids, continued

- M **Dorcas Jane.** (Burkey.) Strong stemmed; silvery rose. Tr. pkt. \$2.50.
 E **Maryland Pink.** (Winkler.) Soft creamy pink. $\frac{1}{2}$ tr. pkt. \$2.00, tr. pkt. \$3.50.
 M **Mountain Pink.** Medium rose-pink. Vigorous, clean grower. Outstanding for stem length and strength. $\frac{1}{2}$ tr. pkt. \$1.75, tr. pkt. \$3.00.
 M **Rockwood's Early Hybrid Pink No. 1.** Light rose-pink; very strong stems, close-set florets. Best for single stem. $\frac{1}{2}$ tr. pkt. \$2.00, tr. pkt. \$3.50.
 E **Maxine.** (Smith.) Color close to Dorcas Jane, but a bit more yellow on lip. Very strong stem; comes back very quickly. Tr. pkt. \$3.00.

Pink and Rose Open Pollinated

- M **Pamela.** (Gilbert.) Medium rose-pink; early winter flowering. Produces highest quality spikes on strong stems. Spikes range from 8 to 16 in. in length. $\frac{1}{2}$ tr. pkt. \$1.75, tr. pkt. \$3.00.
 M **Yoder's No. 33.** (Yoder.) Light pink, slightly deeper than Mary Ellen. Tr. pkt. \$1.50.
 HW **Patsy Ann.** Deep rose-pink. Resistant to shatter. Bred for hot weather growing in both the greenhouse and cloth house. $\frac{1}{2}$ tr. pkt. \$1.75, tr. pkt. \$3.00.
 S **Rockwood's Pink Supreme.** Best dark pink. To follow Mums only. Tr. pkt. \$2.00.
 HW **Rockwood Summer Pink No. 1.** Rose-pink. Bred for late spring and summer flowering. $\frac{1}{2}$ tr. pkt. \$1.75, tr. pkt. \$3.00.
 L **Schumann's Medium Pink Peggy Shumann.** Tr. pkt. \$2.00.

Red Hybrids

- E **Commando.** (Yoder Bros.) A pleasing red shade. Earliness, clean growth and uniformity add up to a fine novelty. Tr. pkt. \$3.50.
 M **Navajo.** (Ball.) Bright red. Good-sized florets on an extra-long spike, with hard stem. $\frac{1}{2}$ tr. pkt. \$2.00, tr. pkt. \$3.50.
 M **Priscilla Ann.** (Yoder.) Velvety crimson; very strong stems and nicely spaced florets. $\frac{1}{2}$ tr. pkt. \$2.00, tr. pkt. \$3.50.
 E **Red Wing.** (Pan-American.) Deep scarlet-red; spikes and stems are excellent for an early red Snap. $\frac{1}{2}$ tr. pkt. \$1.75, tr. pkt. \$3.00.
 E **Rockwood Hybrid Red No. 15.** Large, well-formed, dark red or crimson flowers on heavy, wiry stems. A good early variety for fall and winter. Season—late September to June. $\frac{1}{2}$ tr. pkt. \$2.00, tr. pkt. \$3.50.

Red Open Pollinated

- M **Schisler's Red.** (Windmiller.) Wine-red, true to color; wiry stems. Tr. pkt. \$2.00.
 S **Velvet Red.** (Schumann.) Tr. pkt. \$3.00.

Lavender Hybrids

- M **Bold Venture.** (Yoder Bros.) Magenta or purple. Hard stem; very uniform. Tr. pkt. \$3.50.
 L **Rockwood Hybrid Lavender No. 20.** A very strong-stemmed rosy lavender. $\frac{1}{2}$ tr. pkt. \$2.00, tr. pkt. \$3.50.
 M **Twilight.** (H. G. German.) Orchid-lavender, close-set florets on heavy stems. Shows its hybrid vigor; winter bloomer. $\frac{1}{2}$ tr. pkt. \$2.00, tr. pkt. \$3.50.

Lavender Open Pollinated

- S **Ball Lavender.** Early lavender, long spikes. Tr. pkt. \$1.50.
 L **Earliest Lilac.** (Windmiller.) (New.) Tr. pkt. \$2.00.
 HW **Rockwood's Lavender-Rose.** $\frac{1}{2}$ tr. pkt. \$1.75, tr. pkt. \$3.00.
 L **Schumann's Lavender.** Tr. pkt. \$2.00.
 S **Witterstaetter's Orchid.** Rich, even orchid. Tr. pkt. \$2.50.

Bronze Hybrids

- M **Barbara.** (Yoder.) Rich bronze; large spikes on strong stems. Spikes slightly open. $\frac{1}{2}$ tr. pkt. \$2.00, tr. pkt. \$3.50.
 M **Cavalcade.** (Yoder Bros.) Very vigorous golden bronze. Tr. pkt. \$3.50.
 M **Indian Summer.** (Pan-American.) Medium bright bronze. Early, yet strong and vigorous; excellent color. $\frac{1}{2}$ tr. pkt. \$1.75, tr. pkt. \$3.00.
 M **Jubilee.** (Winkler.) A new pastel color; light golden bronze shade with overtones of pink. Large florets and full spike. $\frac{1}{2}$ tr. pkt. \$2.00, tr. pkt. \$3.50.
 L **Rockwood Hybrid Bronze No. 25.** Reddish bronze. Very strong stem and closely set florets. $\frac{1}{2}$ tr. pkt. \$2.00, tr. pkt. \$3.50.
 M **Sunglow Hybrid.** (Pan-American.) Orange-bronze; large spikes. Heavy producer. $\frac{1}{2}$ tr. pkt. \$1.75, tr. pkt. \$3.00.

Bronze Open Pollinated

- M **Schlegel's Early Bronze.** Color similar to Bronze Christmas Cheer, but of much improved quality. Close-set florets on strong stems. Mid-winter variety. Tr. pkt. \$2.00.
 S **Witterstaetter's Bronze.** Clear gold color; large spike. Tr. pkt. \$2.50.



ANTIRRHINUM,
Twilight

White Hybrids

- M **Ivory Tower.** (Pan-American.) One of the new race of shatter-resistant varieties. Good shipper. $\frac{1}{2}$ tr. pkt. \$1.50, tr. pkt. \$3.00.
 L **Mt. Rainier.** (H. G. German.) Pure snow-white, closely set florets on strong stems. A good shipper. Late winter bloomer. $\frac{1}{2}$ tr. pkt. \$2.00, tr. pkt. \$3.50.
 E **Spartan White.** MSC #2. An early-flowering pure white. Clean-growing, large spike; shatter-resistant. $\frac{1}{2}$ tr. pkt. \$1.75, tr. pkt. \$3.00.
 M **Snow Hybrids.** (Pan-American.) Fringed pure white; somewhat grassy. $\frac{1}{2}$ tr. pkt. \$1.75, tr. pkt. \$3.00.
 M **Maryland White.** (Winkler.) Purest white; large spikes and strong stems. Should be on every grower's list. $\frac{1}{2}$ tr. pkt. \$2.00, tr. pkt. \$3.50.
 M **Meine's White Hybrid.** White with yellow lip; very strong stems and extremely large spikes. A few days earlier than Margaret. Tr. pkt. \$3.00.
 M **Rockwood Hybrid White No. 5.** A fine white for fall and winter blooming. Well-formed spikes on heavy, wiry stems. Season—late September to June. $\frac{1}{2}$ tr. pkt. \$2.00, tr. pkt. \$3.50.
 M **Snowman.** (Ball.) Excellent pure white. $\frac{1}{2}$ tr. pkt. \$2.00, tr. pkt. \$3.50.
 M **Twenty Grand.** (Yoder Bros.) Excellent ivory. Good producer. Tr. pkt. \$3.50.

ANTIRRHINUM, continued

White Open Pollinated

- M **Margaret.** (J. S. Yoder & Sons.) Ivory-white. Tr. pkt. \$2.00.
 M **Rockwood's Early White.** Tr. pkt. \$2.00.
 L **White Snowdrift.** (Pan-American.) Massive spikes of purest white. 1000 seeds \$1.75, 2000 seeds \$3.00.
 HW **Crystal White.** (Rockwood.) Large-flowered pure white for spring and summer. Has an excellent strong stem and huge flower-spike. For benching after Mums only. $\frac{1}{2}$ tr. pkt. \$1.75, tr. pkt. \$3.00.
 S **Ivory.** (Rockwood.) Ivory-white. Tr. pkt. \$2.00.

Yellow Hybrids

- M **Goldrush.** (Winkler.) Medium yellow with large florets and long spikes; good producer. $\frac{1}{2}$ tr. pkt. \$2.00, tr. pkt. \$3.50.
 L **Gold Mine.** (Pan-American.) Rich golden yellow with heavy spikes and strong, stiff stem; good producer. $\frac{1}{2}$ tr. pkt. \$1.75, tr. pkt. \$3.00.
 M **Patricia.** (Yoder.) Deep golden yellow, very vigorous. Growth similar to Margaret, but it is earlier. $\frac{1}{2}$ tr. pkt. \$2.00, tr. pkt. \$3.50.
 L **Rockwood Hybrid Yellow No. 10.** A fairly deep yellow. Well-formed flowers; stems stiff and heavy. Season—late September to June. $\frac{1}{2}$ tr. pkt. \$2.00, tr. pkt. \$3.50.
 E **War Admiral.** (Yoder Bros.) Fine yellow for winter. Tr. pkt. \$3.50.
 L **Yellow Margaret.** (H. G. German.) A sport of the popular Margaret. Canary-yellow. $\frac{1}{2}$ tr. pkt. \$1.50, tr. pkt. \$2.50.

Yellow Open Pollinated

- M **Gilbert's Yellow.** (Gilbert.) Deep yellow. Shatterproof; preferable to Ethel. Tr. pkt. \$2.00.
 HW **Sunshine.** Medium yellow. Resistant to shatter. Bred for hot weather growing in both the greenhouse and cloth house. $\frac{1}{2}$ tr. pkt. \$1.75, tr. pkt. \$3.00.



ANTIRRHINUM, Tetra Mixed

Yellow Open Pollinated, continued

- S **Meine's Easter Yellow.** Medium yellow, semi-double. Should not be benched before October 15. Huge spikes on strong stems. Tr. pkt. \$3.00.
 HW **Rockwood Summer Yellow.** For late spring and summer flowering. $\frac{1}{2}$ tr. pkt. \$1.75, tr. pkt. \$3.00.
 S **Witterstaetter's Yellow.** Large flowered; deep yellow. Tr. pkt. \$2.50.

Novelty Shades

- S **Red Lips.** Long-stemmed brilliant red with white tube. To be benched after Mums; a different color. Tr. pkt. \$2.00.
 HW **Rockwood's Smoky Bronze.** A sport of the popular Lavender-Rose, with same habits; highly recommended for spring and summer flowering. Rosy lavender tube with smoky yellow lips. Will withstand hot weather. Tr. pkt. \$3.00.

OUTDOOR SNAPDRAGONS

218,000 S; 65° to 70° F.; 1 to 2 weeks; Feb. 10

Maximum Rust-Resistant Varieties

- Alaska.** Best white.
Brilliant Rose. Rose-pink.
Campfire. Luminous scarlet.
Cherry Rose. Bright rosy cerise-red.
Copper Queen. Bronzy copper.
Torch or Fusilier. Bright salvia-red.
Loveliness. Soft rose-pink.
Rosalie. Best deep rose.
Yellow Giant. Best deep yellow.
Formula Mixture. Hand-blended mixture; contains all the above colors in the correct proportion.
Any of above, tr. pkt. 30c, $\frac{1}{8}$ oz. 50c, $\frac{1}{4}$ oz. 90c, oz. \$2.80

Collection:

1 tr. pkt. of each of above varieties and mixture (10 pkts.) for \$2.50

Tetraploid Varieties

104,800 S; 65° to 70° F.; 1 to 2 weeks; Feb. 10

- Tetra Crimson.** Velvety crimson. Large spikes.
Tetra Orchid. Large, heavy spikes of rich orchid.
Tetra Pink Shades. Pink to deep rose.
Tetra Sunset. Bronze to primrose.
Tetra White. Pure white.
Tetra Yellow. Clear yellow; long spikes and large florets.
Tetra Mixture. A much-improved range of colors in this mixture. Ideal for outdoor cut.
Any of above, tr. pkt. 50c, $\frac{1}{8}$ oz. \$1.25; $\frac{1}{4}$ oz. \$2.35

Harris Colossal

This new strain has the huskiest growth, longest stems, largest and finest flowers and earliest bloom of any on the market today.

White	Crimson	Yellow
Pink Shades		Orange Shades
Orchid		Mixed Colors

Any of above, tr. pkt. 50c, $\frac{1}{8}$ oz. 90c, $\frac{1}{4}$ oz. \$1.75, oz. \$5.00
Velvet Giant, Reselected Strain. Rich velvet red; tall and large flowered. Tr. pkt. 50c, $\frac{1}{8}$ oz. \$1.10, $\frac{1}{4}$ oz. \$2.00.

H. G. GERMAN, 103 Bank Street, Smethport, Penna.

ASTERS

14,850 S; 65° to 75° F.; 1 to 2 weeks; for spring sales sow 6 weeks before selling date

We offer only Bodger's Wilt-resistant Strains, which have proved very satisfactory to the trade.

Early Giant Wilt-resistant. Very early blooming. Giants of California type.

Azure-Blue. (New.) Soft azure-blue.

Crimson. (New.)

Peach Blossom. Opens white, flushed lavender-pink.

Rose Marie. Deep rose.

White. (New.) Pure white.

Finest Mixed. Blend of above colors.

Any of above, tr. pkt. 50c, 1/4oz. \$1.25, oz. \$3.75

Super Giant Wilt-resistant. (New.) The long-awaited wilt-resistant strain of true giant ostrich-feather flowers. Heavy non-lateral stems. Plants 3 ft. high.

Beverly Hills. Azure-blue.

El Monte. Crimson.

Hollywood. Pure white.

Los Angeles. Shell-pink.

Santa Barbara. Dark purple.

Finest Mixed. Full mixture of all colors.

Any of above, tr. pkt. 50c, 1/4oz. \$1.25, oz. \$3.75

American Branching (Vick's Branching). Large, robust flowers blooming in late August. 2 to 2 1/2 feet tall, branching.

Azure-Blue

Rose

Purple

Sensation. Scarlet.

White

Shell-Pink (Mary Semple)

Mixture of Above Colors

Any of above, 1/8oz. 35c, 1/4oz. 65c, oz. \$2.00

Queen of the Market, Finest Mixed. Earliest-flowering class; the least resistant. 1/8oz. 35c, 1/4oz. 65c, oz. \$2.00.

Ballet Type, Finest Mixed. New queen type with full centers, larger flowers and longer stems. Highly wilt-resistant. Tr. pkt. 35c, 1/4oz. 65c, oz. \$2.10.

The Royals. Second early, following Queen of the Market. Large size, good stems and clear colors.

Azure-Blue. Dark lavender.

Deep Rose

Purple

Scarlet

Shell-Pink

White. Excellent white.

Finest Mixed

Any of above, 1/8oz. 35c, 1/4oz. 65c, oz. \$2.00

Crego. Large flowers with petals nearly double the length of older varieties, curled and interlaced. Good shipper.

Azure-Blue

Purple

White

Deep Rose

Rose-Pink. (New.) Light pink.

Finest Mixed

Mid-Blue. (New.) Bright blue, a valuable color addition to this class.

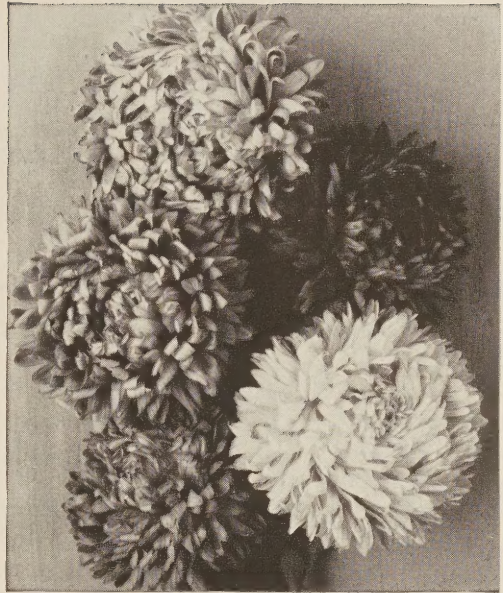
Any of above, 1/8oz. 35c, 1/4oz. 65c, oz. \$2.00

Princess. Attractive new cutting type that has become very popular wherever grown. Branching, early and free flowering.

Goldilocks. Creamy yellow Aster. Earlier, deeper yellow version of Golden Sheaf. Tr. pkt. 50c, 1/4oz. \$1.00, oz. \$3.75.

New European Variety (Princess Type), Gabriele. Wilt-resistant. Peach-blossom-pink, base-branching, quilled blooms of remarkable size, up to 5 in. in diameter. Tr. pkt. 50c, 1/4oz. \$1.50, 1/2oz. \$2.75.

Princess Mixed. Mixture of all Princess colors. 1/8oz. 40c, 1/4oz. 90c, oz. \$3.00.



ASTER, Giant Incurved Florists' Mixed

ASTERS, continued

Bouquet or Pompon. Wilt-resistant.

Coppery Rose. (New.)

Crimson

Rose-Pink

Powderpuffs. Mixture of all colors.

Violet

White

Scarlet

Rose

Any of above, tr. pkt. 50c, 1/4oz. \$1.50, oz. \$4.50

New Ball Varieties or Giant Incurved. Wilt-resistant.

Azure Ball. Light blue.

Pink Ball. Shell-pink.

Purple Ball. Rich dark blue.

Rose Ball. Deep rose.

White Ball. Pure white.

Florists' Mixed. Contains 30% white, 30% pink, 20% azure, 10% rose, 10% purple.

Any of above, tr. pkt. \$1.75, 1/4oz. \$3.20, oz. \$9.60

Ball's Deep Purple. Rich deep color. Pkt. 35c, 1/4oz. 65c, oz. \$2.00.

Heart of France. Very distinct rich red. Blooms early September. Tr. pkt. 40c, 1/4oz. \$1.25, oz. \$3.75.

All Double Varieties Mixed. Originator's mixture of wilt-resistant strains.

Single Rainbow Mixture. Branching, single daisy-like flowers.

Single Rainbow Upright. Habit allows plant to be cut as a bunch.

Any of above, tr. pkt. 30c, 1/4oz. 50c, oz. \$1.50

Burpeeana. Extra-early bedding type mixture. Base branching. Tr. pkt. \$1.50.

King or Needle Type (King Asters). Not Wilt-Resistant.

Lavender

Shell-Pink

White

Rose

Violet

Mixed

Any of above six, tr. pkt. 40c, 1/4oz. \$1.00, oz. \$3.00

"German's Seeds Germinate."

We mean just that. We supply only fresh, high-germinating seeds and have a reputation of doing so.

ASPARAGUS

750 S; 70° to 80° F.; 4 to 6 weeks

High-germinating California-grown seed, averaging 75 per cent germination at 70-degree soil temperature.

Plumosus nanus Sprengeri

Either of above, 250 seeds 65c, 1000 seeds \$2.50,
5000 seeds \$10.00, 10,000 seeds \$18.50

BALSAM

3335 S; 65° to 70° F.; 2 to 3 weeks; Apr. 15

Camellia-flowered, Mixed. Extra double. Tr. pkt. 15c,
1/4oz. 30c, oz. \$1.00.

Double Bush-flowering, Mixed. Tr. pkt. 40c, 1/4oz. 75c,
oz. \$2.25.

BEGONIAS

30,000 S to 1/32oz.; 65° to 75° F.; 2 to 3 weeks; sow Jan. for 4 in.
for May sales

For the convenience of the trade we have divided our Begonias into three groups: Intermediate, Dwarf and Tuberous-rooted. The following varieties have been accepted by our customers as the most satisfactory and best sellers.

Intermediate. 10 to 12 in.

Carmen. Rose-pink flowers; bronze foliage. Tr. pkt. \$1.25,
1/4oz. \$2.75, 1/2oz. \$5.00.

Indian Maid. Deep scarlet flowers; lustrous bronze foliage.
Tr. pkt. \$1.25, 1/4oz. \$2.50, 1/2oz. \$4.50.

Luminosa. Deep scarlet flowers; light green foliage.
Tr. pkt. \$1.25, 1/4oz. \$2.50, 1/2oz. \$4.75.

Prima Donna. Most attractive, medium rose-pink. Tr.
pkt. \$1.25, 1/4oz. \$2.00, 1/2oz. \$3.50.

Dwarf

Adeline. Bright pink flowers and green foliage. Tr. pkt.
\$1.50, 1/4oz. \$3.00, 1/2oz. \$5.00.

Ball Red. Plants covered with intense scarlet-red flowers.
Tr. pkt. \$1.50, 1/4oz. \$3.25, 1/2oz. \$6.00.

Ball Deep Rose. Deep rosy red, gradually fading to lumi-
nous pink. Tr. pkt. \$1.50, 1/4oz. \$3.25.

Dwarf Carmen. Light pink; bronze leaved. Tr. pkt. \$1.50,
1/4oz. \$3.00.

Dwarf Luminosa. Dwarf; bright scarlet. Tr. pkt. \$1.50,
1/4oz. \$3.00, 1/2oz. \$5.50.

Fire Sea. Scarlet-red; green foliage. Tr. pkt. \$1.50,
1/4oz. \$2.75.

King of the Reds. Glowing scarlet-rose-red; green foliage
edged bronze. Tr. pkt. \$1.00, 1/4oz. \$2.50, 1/2oz. \$4.50.

Pink Pearl. Rose-pink flowers. Plants form perfect balls.
Tr. pkt. \$1.50.

Red Pearl. Brilliant dark scarlet. Tr. pkt. \$1.50.

Snowbank. The best large-flowering pure glistening white;
light green foliage. Tr. pkt. \$1.50, 1/4oz. \$2.75, 1/2oz. \$5.00.

Dwarf Mixture. Hand mixture of dwarf varieties. Tr.
pkt. \$1.25, 1/4oz. \$2.50, 1/2oz. \$4.50.

All Varieties Mixed. Mixture of the best colors in all
three classes. Tr. pkt. \$1.00, 1/4oz. \$1.85, 1/2oz. \$3.00.

Tuberous-rooted. Early January sowing will make ex-
cellent plants for sales from June on.

Double Mixed. Carefully selected and saved from a lead-
ing European specialist's collection. About 80% doubles.
Tr. pkt. \$2.50.

BELLS OF IRELAND

Immensely popular with floral artists. Tr. pkt. 50c, 1/4oz.
\$1.65, oz. \$5.00.

BROWALLIA

65,000 S; 65° to 75° F.; 2 to 3 weeks; Dec.

Speciosa major. For potting and combinations. Violet-blue,
1 1/2-in. flowers carried on 10 to 12-in. plants. Tr. pkt.
\$1.00, 1/6 oz. \$2.00.

CALENDULA, Forcing Varieties

4550 S; 65° to 70° F.; 2 to 3 weeks; Apr. 10

Apricot Queen. Rich apricot.

Ball Gold Improved

Ball Lemon Queen

Ball Long Orange Improved

Masterpiece. Deep orange-brown center; extra-long stem

Sensation Improved. Brilliant orange.

Mixed Colors. Mixture of above colors.

Any of above, 1/4oz. 60c, 1/2oz. \$1.00, oz. \$1.80

CALCEOLARIA

600,000 S; 60° to 70° F.; 2 to 3 weeks; sow Aug. 1 for early Easter,
Sept. 10 for Mother's Day

Erfurt Giant. Flowers 2 by 2 1/2 in., tigered and blotched
golden yellow and orange-yellow. Tr. pkt. \$1.25.

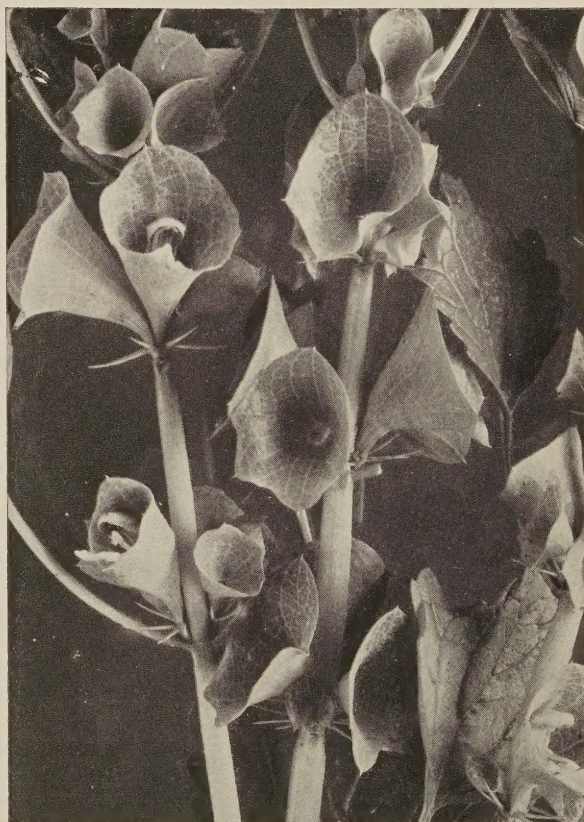
Nana Multiflora. Compact, free-blooming strain. Brilliant
colors. Tr. pkt. \$1.50.

Dwarf Tigered or Spotted. Dwarf and compact. Tr. pkt.
\$1.00, 1/4oz. \$2.50.

CALLIOPSIS

90,000 S; 65° to 70° F.; 2 to 3 weeks; Feb. 15

Tiger Star. (New.) Ideal for combinations and borders.
Rich crimson, striped and mottled with yellow. The
plant stays dwarf (8 in.). The bright, star-shaped flow-
ers drew many favorable comments in our trials. Tr.
pkt. 50c, 1/8oz. \$1.00.



Bells of Ireland (Molucella Laevis)

H. G. GERMAN, 103 Bank Street, Smethport, Penna.

CANDYTUFT

9500 S; 65° to 70° F.; 1 to 3 weeks

Hyacinth-flowered

Super Hyacinth-flowered, Iceberg. Individual florets up to one and one-half times as large as current strains. Should make Candytuft even more important as a florists' crop. Tr. pkt. \$1.00, 1/2oz. \$3.00, oz. \$5.50.

Florists' Giant Hyacinth-flowered, White. Enormous trusses of uniform blooms, very regular in growth. Tr. pkt. 50c, 1/2oz. \$1.00, oz. \$1.75.

Ruffled White. (New.) Beautifully ruffled petals add greatly to this popular cut-flower strain. Tr. pkt. 50c, 1/4oz. \$1.50, oz. \$4.50.

Umbellata, Dwarf Hybrids Mixed. (New.) Many new and beautiful shades. An excellent item for borders. 6 to 8 in. Tr. pkt. 35c, 1/4oz. 60c, oz. \$1.80.

Umbellata Type, Lavender

Rose Cardinal

Carmine

Umbellata Mixture

Any of above four, tr. pkt. 25c, oz. 55c, 1/4lb. \$1.75

CARNATION, Chabaud's Giant Improved Strain

14,585 S; 65° to 70° F.; 2 to 3 weeks; Feb. 1

Blood-Red

Rose Queen

White

Scarlet

Yellow

Florists' Mixture. Special mixture of the best colors.

Any of above, tr. pkt. 40c, 1/4oz. \$1.00, oz. \$3.25

Giant Malmaison, J. M. Bridgeford. A superb mixture. Blooms freely all summer; 16 to 20 in. Tr. pkt. 40c, 1/4oz. \$1.25, oz. \$3.75.

Grenadin. See perennial types, page 22



CANDYTUFT, Iceberg

CELOSIA

29,400 S; 65° to 70° F.; 1 to 2 weeks; Mar. 15

Toreador. All-America Selection, 1955. Lustrous bright red. For garden display, cutting and drying for winter arrangements. 18 to 20 in. Tr. pkt. \$1.00, 1/8oz. \$2.20, 1/4oz. \$4.00, oz. \$12.00.

Improved Cristata (Dwarf Cockscorb).

Dwarf Empress. Dark red flower; dark foliage. Tr. pkt. 30c, 1/4oz. 80c.

Dwarf Golden Yellow. Tr. pkt. 30c, 1/4oz. 80c.

Finest Mixed. Mixture of dwarf types. Tr. pkt. 30c, 1/4oz. 80c.

Giant Plumosa. 43,500 S. (New.) 2 1/2 ft.

Crimson Fleece. Bright crimson; dark foliage.

Golden Fleece. Golden yellow spikes.

Pampas Plume. Many new colors. A distinct mixture.

Any of above, tr. pkt. 35c, 1/8oz. 65c, 1/4oz. \$1.25

Dwarf Plumosa. Feathery type, base branching.

Lilliput, Firebrand. Glowing scarlet.

Lilliput, Golden Yellow. Bright yellow.

Dwarf Feather Mixture.

Any of above, tr. pkt. 30c, 1/8oz. 70c, 1/4oz. \$1.30

Cristata nana, Dwarf Firebrand. (New.) Uniformly dwarf. Large, scarlet-crimson comb.

Cristata nana, Dwarf Rose Carpet. (New.) Rose-pink comb.

Either of above, tr. pkt. 50c, 1/8oz. \$1.00, 1/4oz. \$1.85

CENTAUREA

6050 S; 65° to 70° F.; 1 to 3 weeks

Super-giant Cyanus (Cornflower). Long-stemmed, large flowers and fully double strains.

Blue Boy **Pinkie** **Red Boy** **Snowman**

Any of above, tr. pkt. 20c, 1/2oz. 40c, oz. 65c, 1/4lb. \$2.20

Dusty Millers

7500 S; 65° to 70° F.; 3 to 4 weeks; Dec. and Jan.

Candidissima. 6 in. A slow grower. Must be started early. Tr. pkt. 50c, 1/4oz. \$1.10, oz. \$3.75.

Gymnocarpa. Silver-leaved, strong-growing fern leaf. Tr. pkt. 25c, oz. 90c.

Maritima, Diamond. 10 in. Very white foliage. Tr. pkt. 25c, 1/4oz. 50c.

CHRYSANTHEMUM, Annual

10,000 S; 65° to 70° F.; 2 to 3 weeks

Rainbow Mixture. A collection of bright-hued tricolors. Tr. pkt. 35c, 1/4oz. 60c, oz. \$2.00.

CINERARIA

200,000 S; 65° to 70° F.; 2 to 3 weeks

Berlin Market Mixed. Large heads, mostly eyed. Re-selected strain. Tr. pkt. \$1.00, 1/4oz. \$2.00.

Dwarf Erfurt. Ideal for small pots. Grows 8 to 10 in. tall and 10 to 12 in. in diameter. The last word in Cinerarias. Tr. pkt. \$1.50.

Cremer's Prize Strain. Tr. pkt. \$1.50, 1/4oz. \$2.25.

Large-flowered Hybrids. Mixture of all shades. Large-flowered, compact plants. Tr. pkt. \$1.50, 1/4oz. \$2.50.

Siter's Rainbow Strain. Tr. pkt. \$1.50, 1/4oz. \$2.50.

Cremer's & Siter's. Mixture of equal proportions of these leading strains. Tr. pkt. \$1.50, 1/4oz. \$2.50.

CLEOME (Spider Plant)

22,500 S; 65° to 70° F.; 1 to 2 weeks; Mar. 1

Helen Campbell. Pure white. Tr. pkt. 35c, ¼oz. 90c.

Pink Queen. Tr. pkt. 35c, ¼oz. 55c.

COBAEA

375 S; 65° to 70° F.; 2 to 3 weeks; Feb. and Mar.

Scandens (Climbing Cathedral Bell). Strong-growing climber with violet-blue flowers. A fine companion for Thunbergia. Tr. pkt. 30c, ¼oz. 50c.



COLEUS, German's Rainbow Mixture

COLEUS

100,000 S; 70° to 80° F.; 2 to 3 weeks; Nov. through Jan.

Fire King. Various shades of red. Large leaved. Tr. pkt. \$1.00.

Fringed Leaved. We have received many compliments on this new mixture. Has a high percentage of fringed leaves with a very bright color mixture. Medium to large leaved. Tr. pkt. \$1.00, ½oz. \$1.50.

Rainbow Strain, Regular Mixture. Tr. pkt. 75c, ½oz. \$1.80, ¼oz. \$3.25.

German's Rainbow Mixture. Extremely fine strain of medium to large-leaved Coleus, with a wide range of striking and pastel colors. We are certain that we have the most brilliant strain available and challenge comparison. ½tr. pkt. \$1.00, tr. pkt. \$1.75, ¼oz. \$2.25, ½oz. \$4.15.

Separate Colors from Seed. Never before offered.

Creamy White Edged Green

Old-Gold Edged Green

Amaranth-Red Edged Bronze

Striped-Leaved

Any of above, ½tr. pkt. \$1.00, tr. pkt. \$1.75, ¼oz. \$2.25

COSMOS

5500 S; 65° to 70° F.; 1 to 2 weeks

New Early Sensation. Full color range, blooming two weeks earlier. Tr. pkt. 25c, ¼oz. 55c, oz. \$1.75.

CUPHEA

7200 S; 65° to 70° F.; 2 to 3 weeks; Feb.

Firefly. Small, bright scarlet flowers on compact, 12-in. plants. Tr. pkt. 25c, ¼oz. 75c.

CYCLAMEN

Bonfire. Brilliant salmon. \$2.50 per 100, \$22.00 per 1000.

Bright Red. \$1.90 per 100, \$17.50 per 1000.

Perle of Zehlendorf. Dark salmon color. \$1.90 per 100, \$17.50 per 1000.

Pure White. \$1.90 per 100, \$17.50 per 1000.

Rose of Zehlendorf. Light salmon color. \$1.90 per 100, \$17.50 per 1000.

Saffron-Red, Silver Edged. \$2.50 per 100, \$22.00 per 1000.

Soft Rose with Carmine Eye. \$1.90 per 100, \$17.00 per 1000.

White with Carmine Eye. \$1.90 per 100, \$17.00 per 1000.

New Ruffled Mixed. Complete mixture of new types. \$2.50 per 100, \$23.00 per 1000.

250 of a variety at 1000 rate

DAHLIA

4060 S; 65° to 70° F.; 2 to 3 weeks; late Jan. For 4 and 5-in. plants for Mother's Day, sow Dec. 1

Easily raised from seed, Dahlias bloom profusely the same year sown. For small plant sales and combinations sow January 15. Tubers can be dug in fall and replanted, a sales item in selling to home gardeners. If sown in early December and pinched back, makes an excellent pot plant for Mother's Day.

Dwarf Varieties

Coltness Strain. 18 in. Single, dwarf, free flowering. Tr. pkt. 25c, ¼oz. 50c, oz. \$1.50.

German's Dwarf Double and Semi-Double Hybrids. An Improved Unwin. Tr. pkt. 50c, ¼oz. 90c.

Unwin's Ideal Bedding. Dwarf, compact habit. Bright-colored. Profuse, double and semi-double flowers. Tr. pkt. 30c, ¼oz. 80c, oz. \$2.75.

Tall Varieties

Select Large-flowered. Best mixture of doubles and semi-doubles. Tr. pkt. 50c, ¼oz. \$4.00.

Extra Double Cactus Hybrids Mixed. Tr. pkt. 50c, ¼oz. \$4.00.

DATURA (Angels Trumpet)

2000 S; 65° to 75° F.; 2 to 3 weeks

Large, trumpet-like flowers open light lavender, then turn white. Tr. pkt. 30c, ¼oz. 65c, oz. \$1.00.

DIANTHUS

23,100 S; 65° to 70° F.; 2 to 3 weeks

Heddensis, Mixed. (New.) An entirely new tetraploid variety. Well-formed, 2-in. flowers on 16-in. stems. Finest Mixed. ¼oz. 35c, oz. \$1.00.

Heddewigi laciniatus, Gaiety. Very large, single, beautifully fringed flowers in a wide range of lovely colors. An exceptionally fine pot plant. Tr. pkt. 35c, oz. \$2.50.

DIDISCUS

10,000 S; 65° to 70° F.; 2 to 3 weeks

Coeruleus (Blue Lace Flower). Tr. pkt. 25c, ¼oz. 60c, oz. \$1.80.

DRACAENA

1000 S; 65° to 75° F.; 5 to 7 weeks; Dec. and Jan. (takes 14 to 18 months)

Indivisa. Tr. pkt. 20c, oz. 55c, ¼lb. \$1.65, lb. \$5.50.



FREESIA, Super Giant

FREESIA

3000 S

Sow seed in coldframe May 15 and cover with sash for about 3 weeks or until seed germinates. Gradually remove sash to accustom plants to air. Lift bulbs in September. They will bloom in January, with long stems and large flowers.

CAUTION: Sterilize all soil, flats, etc.

Super Giant Blue Shades

Super Giant Red Shades

Super Giant Yellow Shades

Super Giant Mixed

Any of above, tr. pkt. \$1.00, 1/8oz. \$2.25, 1/2oz. \$7.50

GAILLARDIA (Blanket Flower)

9550 S; 65° to 70° F.; 2 to 3 weeks; Mar. 15

Gaiety Mixed. Bright-colored double mixture, 1/4oz. 30c, oz. \$1.00.

Lorenziana Mixed. Attractive double strain, 1/4oz. 30c, oz. \$1.00.

GLOXINIA

800,000 S; 65° to 75° F.; 2 to 3 weeks

Sow in January for blooming plants in 4-in. pots during June and July. Gloxinia seed is very fine and must be carefully handled.

Berlin Red. Blood-red.

Berlin Blue

Berlin White

Berlin Mixed

Emperor Frederic. Scarlet with white border.

Emperor William. Dark violet bordered white

Friedrich. White throat.

Panzer Scarlet. Beautiful velvety scarlet.

Tigrinia. Tigered and spotted.

German's Special Mixture.

Any of above, tr. pkt. \$1.25, 6 tr. pkts. \$6.00

GOMPHRENA

10,150 S; 65° to 75° F.; 2 to 3 weeks; Feb. or Mar.

Buddy. Dwarf plants with small, ball-shaped, bright reddish purple flowers. Excellent for borders and combinations. Tr. pkt. 30c, 1/4oz. 75c, oz. \$2.25.

GYPSOPHILA

34,000 S; 60° to 70° F.; 1 to 2 weeks

Covent Garden Market. Large, white, full-petaled flowers. Oz. 30c, 1/4lb. 75c, lb. \$2.50.

Elegans grandiflora, London Market. Oz. 30c, 1/4lb. 85c, lb. \$2.50.

HEARTS AND HONEY (Ipomoea Quamoclit hybrida)

A novelty. In early morning the flowers are brilliant pinkish orange with soft yellow throat. By 10 o'clock the color is bright pinkish red and by late afternoon sparkling bright pure rose-pink. A vine growing to 15 ft. and blooming all summer and fall. Plant in full sun. Tr. pkt. 50c, 1/4oz. \$1.50.

HELIOTROPE

53,000 S; 65° to 75° F.; 3 to 4 weeks; Mar. 1

Giant-Flowered Pacific. Largest-flowering strain, with clusters frequently exceeding 1 ft. in diameter. Complete range of blue shades. 2 1/2 to 3 ft.

Blue Bonnet. (New.) A deep blue contrasting companion for First Snow.

First Snow. (New.) Large flower heads of pure white.

Summer Skies. (New.) Mixture of blue shades and white.

Any of above, tr. pkt. 50c, 1/4oz. \$1.00, oz. \$3.35

IMPATIENS

70,000 S; 65° to 75° F.; 2 to 3 weeks; Jan. 1 for Mother's Day, Feb. 1 for June 1

Ideal for bedding in shady places. Excellent for spring combinations if sown February 1. Easily grown.

Sultanii nana

Fiery Scarlet. Large flowers. Globe-shaped plants.

Nana Mixed. Contains all the above colors and many others.

Either of above, tr. pkt. \$1.00, 1/32oz. \$2.50

Beauty of Klettgau. Fiery scarlet-red. Large florets freely produced on broad, low plants. Tr. pkt. \$1.00.

IPOMOEA (Moonflower or Morning-Glory)

675 S; 65° to 70° F.; 1 to 3 weeks (soak seeds); Feb. through Mar.

Clarke's Heavenly Blue. Tr. pkt. 25c, oz. 75c.

Candy Pink. (New.) Tr. pkt. 50c.

Minor Royal Blue. Rich color. Extra dwarf. 12 in. Tr. pkt. 35c, 1/4oz. \$1.00, oz. \$3.00.

KALANCHOE

900,000 S; 65° to 75° F.; 1 to 2 weeks. Sow Jan. for 4 and 5-in. plants for Christmas. Shade with black cloth by Sept. 1 for 6 weeks. June sowing, use 2 seedlings in 2 1/2-in. pot for winter plants.

Ernst Thiede. Very dwarf, compact growth. Glowing red.

Tom Thumb. Very dwarf. Short flowering stems form just above foliage.

Either of above, tr. pkt. \$1.50, 1/128 oz. \$3.00

KOCHIA (Summer Cypress)

30,800 S; 65° to 75° F.; 1 to 2 weeks; Apr. 15 to May 1

Childsii. Very attractive bush; stays clean fresh green. Tr. pkt. 15c, oz. 50c.

ANNUAL LARKSPUR

9410 S; 55° to 65° F.; 3 to 4 weeks

Giant Imperial or Base Branching New Supreme Class

New strain of tall-growing, base-branching, upright plants with huge central spike. Fully double flowers in outstanding new colors.

Dark Blue. Rich violet-purple.

Light Blue. Fine mid-blue.

Lilac. Clear lilac.

Pink. Clear rose-pink.

Rose. Clear pure deep rose.

Salmon. Real salmon. The largest-flowering Larkspur today.

White. Best pure white available.

Supreme Mixture. Formula mixture of above and additional colors.

Any of above, tr. pkt. 40c, 1/2oz. \$1.00, oz. \$2.00,
1/4lb. \$6.00, lb. \$18.00

Regal Larkspur

Regal Light Blue. The finest mid-blue, like bluebells. Tr. pkt. 50c, 1/2oz. \$1.10, oz. \$2.00.

Regal Dark Blue. Best dark blue.

Regal Pink. Brilliant pink on salmon.

Regal Rose. Long-stemmed, true rose.

Regal Finest Mixed. Mixture of many colors.

Any of above, tr. pkt. 40c, 1/2oz. \$1.00, oz. \$2.00, 1/4lb. \$6.00, lb. \$18.00

LOBELIA

910,000 S; 60° to 70° F.; 2 to 3 weeks; Jan. through Feb.

Very popular bedding and combination plants, unsurpassed for bright blue edging. Sow not later than February 1.

Compacta

Blue Gown. Clear deep blue.

Crystal Palace. Deep blue. Dark foliage.

Mrs. Clibran Improved. Deep blue with white eye. Dark foliage.

Any of above, tr. pkt. 35c, 1/4oz. 85c

Pendula or Trailing

Sapphire. Deep blue with white eye. Tr. pkt. 35c, 1/4oz. \$1.00.



MARIGOLD, Dwarf French Double Lemon Drop



MARIGOLD, Man-In-The-Moon



MARIGOLD, Color Magic

MARIGOLDS

8000 S; 65° to 70° F.; 1 to 2 weeks; Mar. 1 to 15

New Early Sunset Giants. This new strain blooms about two weeks earlier than other strains. Contains an extensive range of colors. Tr. pkt. 50c, 1/4oz. \$1.35.

FOR CUTTING—CARNATION-FLOWERED

Burpee Gold Improved. Orange; odorless.

Man-In-The-Moon. Pale moon yellow.

Guinea Gold Reselected. Rich orange.

Yellow Supreme. Dazzling lemon.

Treasure Chest. Well-blended mixture.

CHRYSANTHEMUM-FLOWERED

Early Sunshine. Bright lemon-yellow.

Glitters. Soft golden yellow.

Goldilocks. Bright golden yellow.

Goldsmith. Golden orange.

Choice Mixture. A formula mixture of the above colors.

Any of above, tr. pkt. 35c, 1/4oz. 55c, oz. \$1.75

EARLY SEMI-DWARF FLOWERED. 1 1/2 to 2 ft., with 2 1/2 to 3-in. blooms. Very early.

Aurora. Golden yellow.

Golden Bedder. Golden orange.

Happiness. Rich golden yellow. Earliest.

Honeycomb. Glowing orange.

Kon Tiki. Creamy butter-yellow.

Sunbright. Rich yellow.

Any of above, tr. pkt. 35c, 1/4oz. 85c, oz. \$3.00

DWARF FRENCH SINGLES

10,000 S; 60° to 70° F.; 1 to 2 weeks; Feb. 1 for early Apr., Mar. 1 for June 1.

The Dwarf French Marigolds are excellent for spring flat sales, combination work, bedding and borders.

Naughty Marietta. Freely produced, single, golden yellow flowers with attractive dark red eyes. 12 in.

Red Head. Copper-red petals with orange crest.

Sunny. Clear yellow. Profuse blooming habit.

Spanish Flag. Fine mixture of the single varieties.

Any of above, tr. pkt. 25c, 1/4oz. 50c, oz. \$1.75

Brownie. (New.) Rich mahogany-red with bright yellow crest. A dwarf, bushy plant. Very early blooming. Tr. pkt. 50c, 1/4oz. \$1.50.



MARIGOLD, Naughty Marietta



MARIGOLD, Rusty Red

MARIGOLDS, continued

DWARF FRENCH DOUBLES

9000 S; 65° to 70° F.; 1 to 2 weeks; Jan. 15 for early Apr., Mar. 1 for June 1

Parisian Hybrids. (New.) A distinctly new blend of rare and new color combinations. 12 to 15 in. Tr. pkt. 35c, ¼oz. \$1.00, oz. \$3.00.

Color Magic. Bright and interesting color mixture. Large flowers. Very uniform habit. Tr. pkt. 35c, ¼oz. \$1.00, oz. \$3.00.

Butterball. Light golden butter-yellow.

Gold Crest. Preferred to Butterball. Darker yellow.

New Extra Dwarf Harmony. Maroon color, bright orange center.

Scarlet Glow. Bright bronzy red.

Spry. Dark red petals and golden crest.

Sunkist. Deep golden orange.

Yellow Pygmy. Lemon-yellow.

Spry Hybrids Mixed. True dwarf habit in a complete range of colors and flower types.

Any of above, tr. pkt. 30c, ¼oz. 55c, oz. \$1.85

Giant Spry. (New.) Bushy plants nearly twice the diameter of Spry but only slightly taller. Blooms are nearly double the size of Spry.

Lemon Drop. Sparkling lemon-yellow. An improved yellow Pygmy with larger, fully double flowers.

Either of above, tr. pkt. 40c, ¼oz. \$1.25, oz. \$3.75

Rusty Red. Large, fully double, red flowers. Free blooming.

Tangerine. Very double, large, tangerine-orange blooms.

Either of above, tr. pkt. 35c, ¼oz. \$1.00, oz. \$3.00

CUPID VARIETIES

Cupid Golden. (New.) A rich golden color.

Cupid Yellow. Dwarf; 8 in. Primrose-yellow, chrysanthemum-like flowers. 2½ to 3 in. across.

Cupid Orange. (New.) True strain of orange.

Cupid Mixed. Various shades of orange, primrose and yellow.

Any of above, tr. pkt. 50c, ⅓oz. 90c, ¼oz. \$1.75, oz. \$5.00

DWARF GIGANTEA. 18 to 20 in.

Dwarf Gigantea, Pot o'Gold. Deep golden orange, sweet-scented flowers 4 to 4½ in. in diameter. Free flowering, neat and compact. Trade pkt. 25c, ¼oz. 50c, oz. \$1.75.

Dwarf Gigantea, Gypsy Jewels. Wide color range of orange, yellow and primrose shades. Tr. pkt. 25c, ¼oz. 50c, oz. \$1.75.

TAGETES SIGNATA PUMILA

Gnome. The well-known golden yellow. Tr. pkt. 25c, ¼oz. 35c.

Lulu. (New.) Bright yellow. Compact, ball-shaped plant about 7 in. high. Tr. pkt. 35c, ⅓oz. 70c, ¼oz. \$1.25.

Ursula. (New.) Same habit as Lulu but bright orange color. Tr. pkt. 35c, ⅓oz. 70c, ¼oz. \$1.25.

NICOTIANA

239,000 S; 65° to 70° F.; 1 to 2 weeks; Apr. 15

Daylight White. White; large flowered. 36 in. tall.

Daylight Sensation Mixed. (New.) Blooms remain open during daytime. Brilliant range of colors.

Either of above, tr. pkt. 40c, ¼oz. \$1.00

NIEREMBERGIA

182,900 S; 70° to 75° F.; 2 to 3 weeks; Dec. and Jan.

Purple Robe. Unusually attractive for combination work and bedding. ⅓oz. \$1.00, ½oz. \$1.75.

Sweet Violet-Blue. (New.) Lavender-blue, wide-open blooms with a small, deep yellow center. Tr. pkt. 50c, ⅓oz. \$2.50.

In short-seasoned areas where the older Chrysanthemum-type Marigolds are not satisfactory, try the new Early Semi-Dwarf Flowering and new Early Sunset Giants listed on page 10.

PANSY

21,700 S; 65° to 70° F.; 2 to 3 weeks; late Dec.

A January sowing will make attractive plants to sell in the spring. We have been specializing in Pansy seed for a number of years and we list below the leading varieties for the average florist. Roggli's seed is the finest strain in the world, with rich colors and huge flowers. Petals have a texture that makes this strain outstanding.

German's New Winter-flowering. A new development; large flowering. Butterfly type in size, color and shape. Often measures 3 in. across. Very tall growing with long stems. Mostly delicate colors. Tr. pkt. \$1.50, $\frac{1}{8}$ oz. \$3.75, $\frac{1}{4}$ oz. \$7.25.

Pacific Giant Hybrid, Color Carnival. F₂ generation seed. Exceptionally large blooms on plants that plainly show their hybrid vigor. A remarkable accomplishment in bloom size and color. Predominantly red and wine shades. Tr. pkt. \$1.50, $\frac{1}{8}$ oz. \$3.50, $\frac{1}{4}$ oz. \$6.00, $\frac{1}{2}$ oz. \$10.00, oz. \$19.00.

Roggli's Elite Mixture. (Originator.) Finest mixture of bright attractive colors. Tr. pkt. \$1.50, $\frac{1}{8}$ oz. \$3.75, $\frac{1}{4}$ oz. \$7.00, oz. \$22.00.

Canadian Giants. A selection of extra-large Maple Leaf Giants. $\frac{1}{4}$ oz. \$3.10, $\frac{1}{2}$ oz. \$5.50, oz. \$10.20.

Engelmann's Giant Mixture. (Originator's seed.) Large-flowered and brightly colored strain, many being penciled and veined. $\frac{1}{8}$ oz. \$2.75, $\frac{1}{4}$ oz. \$5.00, $\frac{1}{2}$ oz. \$9.00, oz. \$16.00.

German's Special Swiss Giants. (New.) This new mixture has very large flowers in an excellent range of colors. It brought many favorable remarks in our trials. Tr. pkt. 75c, $\frac{1}{4}$ oz. \$3.15, $\frac{1}{2}$ oz. \$5.75, oz. \$10.50.

Swiss Market or Florist's Strain. This is a new mixture with large flowers and an outstanding range of colors, for your select trade. Tr. pkt. 75c, $\frac{1}{8}$ oz. \$1.40, $\frac{1}{4}$ oz. \$2.75, oz. \$9.00.

Waller-Franklin Formula Mixture of Swiss Giants. The outstanding American strain. $\frac{1}{4}$ oz. \$3.50, oz. \$12.00.

SWISS GIANTS IN SEPARATE COLORS

Alpenglow. Rich garnet-red.

Berna. Dark velvet without eye.

Blumlisalp. Pink-carmine.

Coronation Gold. The finest clear yellow.

Firebeacon. Brick-red.

Golden Yellow. With dark blotches.

Jungfrau. Pure white.

Lake of Thun. Blue with dark blue blotches.

Mont Blanc. Fine-blotched white.

Pay Dirt. Largest golden yellow with dark rays.

Red Wing. (New.) Upper petals red, lower golden yellow with dark blotches.

Rhinegold. Yellow with deep brown blotch.

Any of above, $\frac{1}{8}$ oz. \$1.75, $\frac{1}{4}$ oz. \$3.00, oz. \$10.00

Raspberry Rose. A lovely pink with a deep velvety blotch. Tr. pkt. \$1.00, $\frac{1}{8}$ oz. \$2.00, $\frac{1}{4}$ oz. \$3.50, oz. \$11.50.

DOUBLE PETUNIAS

250,000 S; 65° to 70° F.; 1 to 2 weeks; sow in Nov. for Easter, from then to Mar. for different sizes for June

German's Special All-Double Mixture. This is our own mixture from the best varieties. It is carefully blended from the best colors of Pan-American, Canadian and Sakata strains. All are large flowered and a high percentage are fringed. Our careful blending assures you of the finest range of bright-colored, dwarf, compact plants. Tops in popularity wherever grown. Because it is mixed from separate colors, the price is in line with those varieties. $\frac{1}{2}$ tr. pkt. \$2.50, tr. pkt. \$4.25, $\frac{1}{128}$ oz. \$8.00, $\frac{1}{64}$ oz. \$15.25.



PETUNIA, All-Double Canadian Salmon

PAN-AMERICAN ALL-DOUBLES

In our opinion the most outstanding strain of Double Petunias offered today. Plants branch freely, are sturdy, compact, free flowering and the flowers are large and deeply fringed.

Allegro Improved. This outstanding variety has been greatly improved. Deep salmon, dwarf, giant fringed. A lovely new color.

Caprice. Beautiful, deeply fringed bright rose flowers on dwarf compact plants. The best double rose obtainable.

Nocturne. Deep midnight-purple flowers, very large. This strain has been much improved since first introduced.

Rhapsody. (New.) Deep Burgundy-wine-purple, huge fringed flowers; very uniform. Dwarf, vigorous, free branching. The finest in its color class. Try it.

Sonata. The best double white ever offered to the trade. Very large flowered and deeply fringed. No semi-doubles.

Any of above in originator's packets, $\frac{1}{2}$ tr. pkt. \$2.75, tr. pkt. \$4.50, $\frac{1}{128}$ oz. \$8.50, $\frac{1}{64}$ oz. \$16.00

Glorious Mixture. Contains six separate colors in the following amounts: Allegro 25%, Caprice 35%, Minuet (lavender) 5%, Nocturne 5%, Rhapsody 10%, Sonata 20%. 500 seeds \$2.25, 1000 seeds \$4.00, $\frac{1}{128}$ oz. \$7.50, $\frac{1}{64}$ oz. \$14.50.

CANADIAN ALL-DOUBLES

Burpee Orchid. The most suitable orchid for pots and bedding. $\frac{1}{2}$ tr. pkt. \$2.75, tr. pkt. \$4.50, $\frac{1}{128}$ oz. \$8.50, $\frac{1}{64}$ oz. \$16.00.

Canadian Salmon. A really outstanding, heavily fringed variety of exquisite form. Light salmon. $\frac{1}{2}$ tr. pkt. \$2.00, tr. pkt. \$3.50, $\frac{1}{128}$ oz. \$6.65, $\frac{1}{64}$ oz. \$12.60.

PETUNIAS, continued

Canadian All-Doubles, continued

Rose of Canada. Fully double, bright medium to deep rose flowers about 3 in. in diameter. Compact, bushy plants. $\frac{1}{2}$ tr. pkt. \$2.00, tr. pkt. \$3.50, $\frac{1}{128}$ oz. \$6.65, $\frac{1}{64}$ oz. \$12.60.

Canadian Mixture, Improved. (100% double.) Improved by adding separate colors. Plants are uniformly dwarf, but vigorous and base branching. $\frac{1}{2}$ tr. pkt. \$2.00, tr. pkt. \$3.50, $\frac{1}{128}$ oz. \$6.65, $\frac{1}{64}$ oz. \$12.60.

All-Double America. (New Strain.) Deep rose, medium-sized, very double, rose-like flowers completely cover the plants. $\frac{1}{2}$ tr. pkt. \$1.35, tr. pkt. \$2.50, $\frac{1}{128}$ oz. \$4.50, $\frac{1}{64}$ oz. \$8.00.

SAKATA'S ALL-DOUBLE DWARF (VICTORIOUS) FRINGED

Blue Brocade. Well-known, true violet-blue, fringed flowers $3\frac{1}{2}$ to 4 in. in diameter, are borne on 10-in. plants.

Gaiety. An old favorite, dwarf type in rose or light rose, red and white. Flowers $3\frac{1}{2}$ to 4 in. in diameter. A wonder for combination work. $\frac{1}{2}$ tr. pkt. \$2.25, tr. pkt. \$4.00, $\frac{1}{128}$ oz. \$6.50.

Illumination. Bright red overlaid with a scarlet sheen. Good color and habit.

Extra Dwarf Pure White. (New.) The earliest and most dwarf white double. 10-in. plants with 4-in. flowers.

Rosy Carmine Improved (World Beauty or Pink Perfection). This improved variety has a brighter rose color and is more uniform in growth. 10-in. plants with 4-in. blooms. A "must" for pot-plant growers.

Any of above, $\frac{1}{2}$ tr. pkt. \$2.25, tr. pkt. \$4.00, $\frac{1}{128}$ oz. \$6.50, $\frac{1}{64}$ oz. \$12.00, $\frac{1}{32}$ oz. \$22.00

DWARF CALIFORNIA GIANTS IMPROVED. (5 to 7 in.)
160,500 S; 65° to 70° F.; 1 to 2 weeks; late Dec. to Mar. 1

We have a strain of Dwarf Giants of California developed by reselection over the past ten years. We have found it equal to or better than any other. Among the testimonials we have received, we quote the following: "We want to thank you for your help in selecting our flower seeds, especially the Petunias, which proved to be a complete success. Our Dwarf Giants of California is the by-word in this community. Our customers remarked that they had never seen anything like them. Some of them were fully 9 in. across the bell and the plants only 9 in. high."

Dwarf Giants of California, Extra-Dwarf Giants. Our best mixture, this new strain has been bred to fill the need for a truly dwarf pot Petunia. Flowers have well-marked open throats and are beautifully ruffled and fringed. $\frac{1}{2}$ tr. pkt. \$1.00, tr. pkt. \$1.75, $\frac{1}{64}$ oz. \$3.00, $\frac{1}{32}$ oz. \$5.50.

German's Special Dwarf Giants of California. Uniformly dwarf, not grown as a mixture but blended from separate plant selections. The color range includes new shades of pink, salmon, rose and copper. Tr. pkt. \$1.75, $\frac{1}{64}$ oz. \$2.75, $\frac{1}{32}$ oz. \$5.00, $\frac{1}{16}$ oz. \$9.50.

Extra Choice Dwarf California Giants Mixed. More vigorous than Extra Dwarf Strain; therefore better for bedding. $\frac{1}{64}$ oz. \$1.75, $\frac{1}{32}$ oz. \$3.00, $\frac{1}{16}$ oz. \$5.50, $\frac{1}{8}$ oz. \$10.50.

Ramona Strain, Light Shades. Sturdy plants especially bred for pot culture. Light shades predominate. Tr. pkt. \$1.75, $\frac{1}{64}$ oz. \$2.75, $\frac{1}{32}$ oz. \$5.00, $\frac{1}{16}$ oz. \$9.50.



PETUNIA, Paramount Giants

CALIFORNIA GIANTS. (5 to 7 in. in diameter.)

Paramount Giants. Free-flowering mixture of all shades. Well suited to outdoors; showy even under adverse conditions. Tr. pkt. \$1.25, $\frac{1}{64}$ oz. \$2.50, $\frac{1}{32}$ oz. \$4.25, $\frac{1}{16}$ oz. \$7.50, $\frac{1}{8}$ oz. \$13.00, $\frac{1}{4}$ oz. \$24.00.

RUFFLED NANA COMPACTA

65° to 70° F.; 1 to 2 weeks; Jan. 15 to Mar. 1

Little Giants Mixed. Plants are covered with a mass of blooms 4 in. and more in diameter. The mixture has an excellent color range. It has the pancake style of growth of Martha Washington. For potting and bedding it just can't be beaten.

Light Shades. Light shades of the above strain.

Either of above, $\frac{1}{64}$ oz. \$1.50, $\frac{1}{32}$ oz. \$2.75, $\frac{1}{16}$ oz. \$5.00

Pink Frills. (New.) Selected from the well-known Little Giants. Early blooming. Well-rounded plants continuously covered with medium-sized flowers in brilliant rose-pink shades. Tr. pkt. \$1.00, $\frac{1}{64}$ oz. \$1.75, $\frac{1}{32}$ oz. \$3.00.

Our business has prospered on this slogan: "Large enough to serve you and small enough to know you."

THE INDIANS ARE HERE

Introducing for 1955
THE NEW INDIAN SERIES OF
PETUNIAS



APACHE



PALEFACE



COMANCHE



SIoux

NEW F₁ HYBRIDS OR LARGE-FLOWERED TYPES

Try these new types and see the difference. They are uniform, vigorous, freer in bloom and show color earlier and more uniformly.

F₁ Hybrid, Single Grandiflora

250,000 S; 65° to 75° F.; 1 to 2 weeks; Jan. 15 to Mar. 1

Ballerina. All-America Winner for 1952. Soft glowing salmon. Dwarf, compact and vigorous. 3½ to 4-in. blooms. Excellent for pots; outstanding for gardens.

Bolero. Gorgeous carmine-rose. Ruffled, uniform and extra dwarf.

Carmine Rose. Brilliant carmine-rose, mostly with white throat. Beautifully waved and fringed flowers, 3 in. across. Vigorous grower, dwarf and compact.

Crusader. (New.) Large, fringed rose-pink-on-white variegation. The sharp contrast in color makes this variety very attractive.

Fairyland. (New.) Beautiful light salmon-pink. Very uniform, compact grower about 8 in. high, carrying a mass of 3-in. blooms.

Flirt. (New.) Clear pink. A dwarf, compact grower about 8 in. tall, completely covered with 3½-in. blooms. The best bloomer in our trials.

La Paloma. Pure white with yellow throat. Dwarf fringed. Vigorous and free blooming. Blooms 3 to 3½ in. in diameter.

Minstrel. Large 3-in. flowers. White marked with rich blue. Dwarf, compact habit. Extremely uniform in habit and marking.

Prima Donna. (New.) All-America Selection for 1954. This new variety has the same growing and flowering habits as Ballerina. Bright rose-pink with well-fringed, 3½ to 4-in. blooms.

Tango. Deep salmon-scarlet. Dwarf fringed. More vigorous than the Erfurts; freer blooming.

Florists' Mixture. Contains all the above colors in well-blended proportions, plus many new shades.

Any of above, ½ tr. pkt. \$1.35, tr. pkt. \$2.50,
1/128oz. \$4.50, 1/64oz. \$8.00

F₁ HYBRID, SMALL-FLOWERED SINGLES OR MULTIFLORAS

We are now able to add three companion colors to the very popular Comanche Petunia. They have the same general habit, vigor and flowering characteristics.

Apache. Bright rose-red.

Comanche. 1953 All-America Selection. Brightest red Petunia. Richer, brighter, more uniform scarlet-red, larger flowered and more floriferous than Fire Chief.

Sioux. Glowing salmon.

Paleface. Pure white.

Linda. Clear light salmon-pink. Dwarf, vigorous, free-blooming plant. Color same as Silver Medal, but plant is more dwarf.

Pink Beauty. Beautiful pink, richer in color and darker centered than First Lady. White throat. Very free flowering.

Pink Queen. Clearest pink with creamy throat. Highly recommended for color, free-flowering habit and vigor.

Pink Sensation. Tall. Clear pink. Very uniform and free blooming.

Rose Charm. Clear luminous rose-pink, of the Celestial Rose type but more vigorous.

Silver Medal. Salmon-cerise. Uniform height (12 to 16 in.) and color. Profuse bloomer.

Florists' Bedding Mixed. Blend of all the above colors plus many new shades.

Any of above, ½ tr. pkt. \$1.00, tr. pkt. \$1.75,
1/128oz. \$3.50, 1/64oz. \$6.50

GRANDIFLORA NANA COMPACTA

314,000 S; 65° to 70° F.; 1 to 2 weeks; Jan. 15 to Mar. 15

King Henry. Velvety red. Very compact. Produces 2½-in. blooms on 8-in. plants.

Velvet Ball. Deep mahogany-red. Excellent for potting or bedding.

Either of above, tr. pkt. 75c, 1/32oz. \$1.35, 1/16oz. \$2.50

PETUNIAS, continued

LARGE SINGLE FRINGED. Flowers 3 to 4 in. in diameter.

- 232,000 S; 65° to 70° F.; 1 to 2 weeks; Jan. 15 to Mar. 15
- Fringed Snowstorm.** Well-fringed, pure white flowers with golden throat, freely produced. Tr. pkt. \$1.00, 1/4oz. \$1.75.
- Super Fluffy Ruffles.** Mixed colors, so intensely fringed and ruffled that the blooms resemble a double Petunia. Tr. pkt. \$1.00, 1/2oz. \$1.75.
- White Mound.** Plant forms a perfect mound of fringed, large blooms. Introduced recently and well liked by all who have grown it. 1/4oz. \$1.75, 1/2oz. \$3.00.
- Mixed.** Formula mixture of best colors. Tr. pkt 50c, 1/4oz. \$1.25, 1/2oz. \$2.25.

LARGE-FLOWERED DWARF FRINGED (Erfurt Types)

- Blue Butterfly.** Velvety dark blue, well fringed. Tr. pkt. \$1.00, 1/4oz. \$1.75.
- Carmencita.** Deep scarlet-salmon, an entirely new color that is a "knockout," nearly a true scarlet-orange. A dwarf Erfurt. Tr. pkt. \$1.50, 1/128 oz. \$2.00, 1/4oz. \$3.50.
- Lace Veil.** 8 in. Large, pure white, fringed flowers. 1/4oz. \$1.50, 1/2oz. \$2.75.
- Setting Sun.** 8 in. Brilliant rose-pink, the most popular of its color. 1/4oz \$1.50, 1/2oz. \$2.75

LARGE SINGLE PLAIN EDGED. Flowers 3 to 4 in. in diameter.

- Dazzler.** Deep carmine-rose; excellent dwarf bedding or pot plant. Tr. pkt. \$1.00, 1/4oz. \$2.25.
- Dwarf Elk's Pride.** Velvety violet, a reselected strain. Tr. pkt. \$1.00, 1/4oz. \$1.75, 1/2oz. \$3.00, 1/6oz. \$5.25.
- Popcorn.** (New.) A really dwarf strain of the old favorite Snowstorm. A wonderful plant for pots or bedding. Tr. pkt. \$1.50, 1/4oz. \$2.75, 1/2oz. \$5.00, 1/6oz. \$9.50, 1/8oz. \$18.00.
- Robin.** Bred for pots and combinations. Dwarf, compact, ruffled bright rose flowers with white throats. Tr. pkt. \$1.50, 1/4oz. \$3.50, 1/2oz. \$6.00.
- Royalty.** Rich purple with white stars and blotches. 1/4oz. \$1.50, 1/2oz. \$2.75.
- Snowstorm Improved.** Best large-flowered, single pure white. Dwarf, compact habit of growth. 1/4oz. \$1.90, 1/2oz. \$3.30, 1/6oz. \$5.75.



PETUNIA, Popcorn

Large Single Plain Edged, continued

- Summer Night.** (New.) For pot plants only. Large, well-ruffled flowers of true Elk's Pride purple. Extremely compact. Tr. pkt. \$1.00, 1/4oz. \$2.25, 1/2oz. \$4.00.
- White Cloud.** Pure white. Dwarf, compact habit; free flowering. 1/4oz. \$1.90, 1/2oz. \$3.30, 1/6oz. \$5.75.
- White Queen.** Extra large, wavy, pure white flowers. 1/4oz. \$1.90, 1/2oz. \$3.30, 1/6oz. \$5.75.
- Choice Mixed.** Mixture of the best colors. 1/4oz. \$1.50, 1/2oz. \$2.75.

DWARF SINGLE HYBRIDA

285,000 S; 65° to 70° F.; 1 to 2 weeks; Feb. 1 to Apr. 1

- Admiral.** Best blue Petunia available. Very compact in growth. 1/4oz. \$1.65, 1/2oz. \$2.90, 1/6oz. \$5.25.
- Admiral Reselected.** Hand-pollinated strain. Very compact; 100% true to color and type. Tr. pkt. 85c, 1/4oz. \$1.95, 1/2oz. \$3.45.
- Blue Bedder Improved.** (New.) Mid-blue; most compact habit in this color; early flowering. Tr. pkt. 50c, 1/6oz. 80c, 1/8oz. \$1.50, 1/4oz. \$2.50.
- Bright Eyes.** See Miniature Petunias, page 16.
- Celestial Rose Improved.** This is the most uniform and compact strain available. Deeper rose coloring and slightly larger flowers than the original. Tr. pkt. 50c, 1/8oz. \$1.10, 1/4oz. \$2.00, oz. \$6.50. (Caution: This strain, due to its close inbreeding, is of weaker germination than the one listed below.)
- Celestial Rose.** Excellent strain, free flowering and uniform. The finest all-purpose bright pink. Tr. pkt. 35c, 1/8oz. 90c, 1/4oz. \$1.30, oz. \$4.50.
- Cheerful.** This is an improved strain, darker than the original. 100% true. A clear salmon-pink with deep rose veining. Tr. pkt. 75c, 1/2oz. \$2.00.
- Cream Star.** 2 1/4-in. Blooms shaped like a five-pointed star. Soft creamy white with bright golden yellow throat. Tr. pkt. 50c, 1/8oz. \$1.25, 1/4oz. \$2.25.



PETUNIA, F₁ Hybrid, Minstrel



German's PETUNIA, Cheerful

Dwarf Single Hybrid PETUNIAS, continued

- Dwarf Rose of Heaven.** This is an *extra-select stock*, very compact and true to type. Brilliant rose-pink. Tr. pkt. 50c, $\frac{1}{8}$ oz. \$1.00, $\frac{1}{4}$ oz. \$1.75, oz. \$6.00.
- Elk's Star.** Best dwarf star, deep velvety crimson. Tr. pkt. 75c, $\frac{1}{8}$ oz. \$1.25.
- Fire Chief.** All-America Gold Medal Winner for 1950. Brilliant scarlet-red, the reddest Petunia you've ever seen. Tr. pkt. 50c, $\frac{1}{8}$ oz. \$1.65, $\frac{1}{8}$ oz. \$2.90, $\frac{1}{4}$ oz. \$5.00.
- Glow.** Rich dazzling carmine-rose. One of the most popular. Plants dwarf. Tr. pkt. 50c, $\frac{1}{8}$ oz. \$1.25, $\frac{1}{8}$ oz. \$2.00, $\frac{1}{4}$ oz. \$3.75.
- Heavenly Blue (Silver Blue).** Light blue, extra select strain. Tr. pkt. 50c, $\frac{1}{8}$ oz. \$1.55.
- Howard's Star Improved.** Medium tall, velvety crimson with white star. This strain is very true. Tr. pkt. 50c, $\frac{1}{8}$ oz. \$1.00, $\frac{1}{4}$ oz. \$1.75.
- Lipstick.** (New.) Unfading carmine-rose. Plants are a mass of flowers until frost. An outstanding variety in our trial grounds. Tr. pkt. 50c, $\frac{1}{8}$ oz. \$1.65, $\frac{1}{8}$ oz. \$2.90.
- Norma.** See Miniature Petunias, listed below.
- Rose Queen Improved.** Very compact habit. Intense, deep rich rose. Tr. pkt. 75c, $\frac{1}{8}$ oz. \$1.75, $\frac{1}{4}$ oz. \$3.25.
- Rosy Morn Select.** Pink with white throat. Tr. pkt. 50c, $\frac{1}{4}$ oz. \$1.50, $\frac{1}{2}$ oz. \$2.50.
- Royal Ensign.** (New.) Rich purple with white star. Very uniform in color. 10 in. Tr. pkt. 50c, $\frac{1}{32}$ oz. \$1.65, $\frac{1}{16}$ oz. \$2.90.
- Ruby Red.** (New.) Velvety crimson. Compact habit. This variety was a mass of bloom from the start in our trials and drew favorable comments from all observers. Tr. pkt. 60c, $\frac{1}{8}$ oz. \$1.10, $\frac{1}{32}$ oz. \$2.00.
- Salmon Supreme.** Clear salmon-pink, a nice color. Tr. pkt. 50c, $\frac{1}{32}$ oz. \$1.50, $\frac{1}{16}$ oz. \$2.75.
- Snowball Improved.** Finest dwarf white. A more compact strain with well-rounded, pure white flowers in profusion. Tr. pkt. 50c, $\frac{1}{8}$ oz. \$2.25, $\frac{1}{8}$ oz. \$3.75.
- Twinkles.** See Miniature Petunias, listed below.
- Special Dwarf Mixture.** Our own mixture, has a well-balanced range of colors. Mixed from the leading varieties of this class. Tr. pkt. 35c, $\frac{1}{8}$ oz. \$1.00, $\frac{1}{4}$ oz. \$1.75, oz. \$6.00.

MINIATURE PETUNIAS. 6 in. tall. Very dwarf, compact plants that are a continuous mass of bloom. Ideal for borders or pot plants.

- Bright Eyes.** Soft pink with white throat.
- Norma.** Blue with white star.
- Twinkles.** Rose with pure white star.
- Violet Gem.** (New.) Rich violet-blue.
- White Gem.** Pure white.
- Gem Mixture.** Mixture of all the above colors.

Any of above, tr. pkt. 50c, $\frac{1}{8}$ oz. \$1.15, $\frac{1}{4}$ oz. \$2.00

BALCONY PETUNIAS

- Crimson.** Rich blood-red.
- Deep Blue.** Large flowered; true blue.
- Rose.** Clear rose, golden throat; large.
- Formula Mixture.** Mixture of the best colors.

Any of above, tr. pkt. 40c, $\frac{1}{8}$ oz. 80c, $\frac{1}{4}$ oz. \$1.50

PHLOX

17,500 S; 65° to 70° F.; 2 to 3 weeks; Jan. to Mar. 1

Ideal Bedding Mixed. (New.) A new dwarf florists' strain, uniform in habit, with a most striking array of unusually gay, bright colors. Tr. pkt. 75c, $\frac{1}{4}$ oz. \$2.00, $\frac{1}{2}$ oz. \$3.85, oz. \$7.00.

Globe Phlox Mixed. Forms well-rounded plants only 4 to 6 in. high, fully base branching and of the most dwarf and uniform habit. Plants bloom all summer and do not die out like the common annual Phlox. Tr. pkt. 50c, $\frac{1}{8}$ oz. \$1.50, $\frac{1}{4}$ oz. \$2.50, oz. \$8.00.

Drummond's Nana Compacta. Plants grow about 8 in. high and bloom freely. Fine for boxes and bedding.

Blue Beauty
Pink Beauty

Fireball. Scarlet.
Violet Beauty

Special Florists' Mixture. Mixed from eight separate colors.

Any of above, tr. pkt. 50c, $\frac{1}{4}$ oz. \$1.10, $\frac{1}{2}$ oz. \$2.10, oz. \$3.75

PORTULACA

307,000 S; 65° to 70° F.; 2 to 3 weeks; Feb. through Mar.

German's All Double Mixed. 100% double; large flowered. A fine color range of many new shades. So uniformly double that it produces only half as much seed as most double strains. Tr. pkt. 50c, $\frac{1}{4}$ oz. \$2.00, oz. \$6.50.

Dwarf Double Mixed. Excellent range of colors and a high percentage of doubles. Tr. pkt. 35c, $\frac{1}{4}$ oz. \$1.15, oz. \$3.50.



German's All Double Mixed PORTULACA

PRIMULA

360,000 S; 65° to 70° F.; 2 to 3 weeks; early May until Oct.

MALACOIDES

Sow seed from early May until October for spring-blooming plants of various sizes. Primula seeds will not tolerate fertilized soil in seed flats or during early stages of growth.

Large-flowered

Extra Choice Mixture. A choice mixture of many excellent colors. Tr. pkt. \$1.00, $\frac{1}{64}$ oz. \$2.50, $\frac{1}{32}$ oz. \$4.50.

CHINENSIS FIMBRIATA

18,000 S; 65° to 70° F.; 3 to 4 weeks; Jan. to June

A large-flowered, dwarf, and non-poisonous Primrose. Very popular wherever grown. Sow March through May for plants from Christmas on.

Olympia Hybrids. (New.) Rich mixture of best colors. Enormous umbels of giant, substantial flowers. Tr. pkt. \$1.00, $\frac{1}{64}$ oz. \$2.00.

OBCONICA

120,000 S; 65° to 75° F.; 3 to 4 weeks; Jan. through Mar.

Coerulea. Best blue.

Fasbender's Red. Extra-large, deep crimson-red flowers.

Mueller's Berlin Rose. Large, soft medium rose.

Mohnstein's Crimson

Pure White. Large white.

Finest Mixed. Complete mixture of all colors.

Any of above, tr. pkt. \$1.25, $\frac{1}{64}$ oz. \$2.25

SALPIGLOSSIS

105,200 S; 65° to 70° F.; 2 weeks; late Mar.

Emperor Mixed. Valuable for summer cutting, also spring flowering under glass. Tr. pkt. 20c, $\frac{1}{4}$ oz. 30c, oz. 90c.

SALVIA (Scarlet Sage)

7500 S; 70° to 75° F. (should have bottom heat); 2 to 3 weeks; Feb. 10 to Apr. 1

America (Globe of Fire). Brilliant scarlet. 18 in. Tr. pkt. 60c, $\frac{1}{4}$ oz. \$2.00, oz. \$5.50.

Blaze of Fire. The earliest of all Salvias. Orange-scarlet. Dwarf. 15 in. Tr. pkt. 85c, $\frac{1}{4}$ oz. \$2.25, $\frac{1}{2}$ oz. \$3.85, oz. \$7.00.

Bonfire (Clara Bedman). Bright scarlet-red. Erect habit; free bloom. 26 to 30 in. Tr. pkt. 60c, $\frac{1}{4}$ oz. \$1.35, oz. \$4.50.

Fireworks. (New.) We predict this variety will replace St. John's Fire as soon as it becomes better known. It is the same color and blooms more uniformly early. More compact and darker leaved, it holds its color until frost and the plants make a better show. Tr. pkt. 85c, $\frac{1}{2}$ oz. \$1.75, $\frac{1}{4}$ oz. \$3.00, $\frac{1}{2}$ oz. \$5.50, oz. \$10.00.

Splendens. Latest and tallest. 36 in. Tr. pkt. 50c, $\frac{1}{4}$ oz. \$1.35, oz. \$4.50.

St. John's Fire. Very early. Bright scarlet. 10 to 12 in. Tr. pkt. 85c, $\frac{1}{2}$ oz. \$1.55, $\frac{1}{4}$ oz. \$2.75, $\frac{1}{2}$ oz. \$4.75, oz. \$8.50.

FARINACEA

22,000 S; 70° to 75° F.; 2 to 3 weeks; Feb. and Mar.

Royal Blue. Deep blue flowers. The best blue Salvia. Tr. pkt. 60c, $\frac{1}{4}$ oz. \$2.00, oz. \$6.00.

SCABIOSA

4090 S; 65° to 70° F.; 2 to 3 weeks

Black Knight. Extra large, deep reddish black.

Blue Moon. Very large, fully double, lavender-blue flowers.

Rosette. Large-flowered rose-pink.

Any of above, tr. pkt. 25c, $\frac{1}{4}$ oz. 70c, oz. \$2.25

Giant Hybrid Mixture. Special strain containing the new large-flowered varieties only. Tr. pkt. 25c, $\frac{1}{4}$ oz. 65c, oz. \$2.00.

SCHIZANTHUS

43,000 S; 65° to 70° F.; 1 to 2 weeks

Ball Dwarf Mixture. Dwarf strain. Medium-sized flowers on compact heads. Excellent pot plant. Tr. pkt. 60c, $\frac{1}{8}$ oz. \$1.50.

Blackmore & Langdon Strain. Dark and light shades, blotched. 18 in. Tr. pkt. 50c, $\frac{1}{4}$ oz. \$2.25.

Excelsior compactus, Finest Mixed. Compact, pyramidal, free flowering. 6 in. Excellent for pot use. Popular. Tr. pkt. 60c, $\frac{1}{4}$ oz. \$2.25.

SNAPDRAGON. See *Antirrhinum*, pages 2, 3 and 4.

SOLANUM

CHRISTMAS CHERRY

12,000 S; 65° to 75° F.; 3 to 4 weeks

Capsicastrum Patersoni. Dwarf, spreading, compact habit. Red, cherry-shaped fruits and dark green foliage. 8 to 10 in.

Clevelandi. Cleveland-cherry-red.

Either of above, tr. pkt. 35c, $\frac{1}{4}$ oz. \$1.00, oz. \$3.00

CHRISTMAS PEPPER

9000 S; 65° to 75° F.; 3 to 4 weeks

Craigi. Dwarf ornamental Pepper, green at first, then white and purplish and finally red. Tr. pkt. 50c, $\frac{1}{4}$ oz. \$1.50, oz. \$5.00.

STATICE

245 heads; 65° to 70° F.; 2 to 3 weeks

SINUATA

Bonduelli superba. Similar to Sinuata, but with large yellow flowers.

Heavenly Blue. (New.) Bright sky-blue.

Lavender Queen. Fine shade of pastel lavender. Good grower.

Market Rose. Fine new color, deeper and warmer than *Rosea superba*.

Rosea superba. Rosy lavender.

Snow White. Greatly improved white.

True Blue. Extra deep blue.

Choice Mixed. Mixture of best varieties.

Any of above, tr. pkt. 25c, oz. 60c, $\frac{1}{4}$ lb. \$2.10, lb. \$6.25

SUWOROWII (Rat-tail Statice).

12,000 S; 65° to 70° F.; 2 to 3 weeks.

Long, graceful, rose-pink flowers. Sown outdoors early, will bloom in July. Tr. pkt. 25c, $\frac{1}{4}$ oz. 45c, oz. \$1.50.



SALVIA, Blaze of Fire

STOCKS

18,700 S; 65° to 70° F.; 2 weeks

Our sales of Stock seed have been increasing rapidly in the last several years because of the growing popularity of this flower and the wonderful results our customers are obtaining from our highly bred strains. There are numerous strains on the market, but we have found ours to be equal to and in many cases superior to any other strain offered. Listed below are the varieties we have found to be the most popular.

NON-BRANCHING OR COLUMN

Approximate sowing dates:

July 15 to Aug. 1—bloom about mid-Jan.
Sept. 1—bloom about mid-Mar.
Oct. 1—bloom about early Apr.
Dec. 15—bloom about May 15.
Feb. 15 (latest date)—bloom about early June.

Avalanche. Earliest white. Spike is especially long and massive, with very double, closely set florets. Pure white.

Crimson Giant. Distinct new color, an alive and attractive bright crimson-red.

Apricot. Ivory-apricot.

Deep Apricot. An improved deeper apricot.

Lilac-Lavender. Fine color for Memorial Day.

Pacific Pink. Clear, warm, luminous pink with no lavender tints. A true pink. Tr. pkt. \$1.25.

Pink No. 22. Bright silvery rose; heavy spike and extra-long stems.

Pink Giant. An improved No. 14.

Royal Purple. Dark purple.

White Giant. Long-stemmed, enormous flower spike. Fully double, pure white flowers showing no green at centers.

White No. 16. Tall; pure white.

Yellow Wonder. Deep creamy yellow.

Formula Mixture. Our own mixture.

Any of above, except where noted, tr. pkt. (approx. 1200 seeds) \$1.15, 1/4oz. \$2.75, 1/2oz. \$5.25, oz. \$10.00

BEDDING STOCKS

Dwarf Ten-weeks All-Double Select, Mixed. (New.)

A complete color mixture. By saving only the light-leaved seedlings, you can supply your customers with nearly 100% double flowers. Tr. pkt. (1000 seeds) \$1.15, 1/4oz. \$2.75, 1/2oz. \$5.25, oz. \$10.00.

Beauty of Nice

Early, free-flowering type of branching habit. Recommended for plant sales in the spring to the home gardener.

Mixed Colors. Tr. pkt. 30c, 1/4oz. 75c, oz. \$2.50.

Dwarf Ten-Weeks

Blood-Red

Formula Mixture

Either of above, tr. pkt. 30c, 1/4oz. 75c, oz. \$2.50

Early Branching, Finest Mixed.

Three weeks earlier than Beauty of Nice. Fine for combinations or bedding. Tr. pkt. 35c, 1/4oz. 95c, oz. \$3.50.

Trysomic Giant Imperial

Introducing the first Trysomic Stock ever offered to the florist. Produces 85% or more double-flowering plants when sown from seed. In addition, the double percentage can be increased to 100% at the four-leaf seedling stage, since at this time the young singles are noticeably weaker and are readily distinguished from the vigorous doubles.

Bright Rose
Chamois-Pink

Mixed Colors

Lilac-Lavender
White

Any of above, 1/2tr. pkt. \$1.00, tr. pkt. \$1.75, 1/8oz. \$2.75, 1/4oz. \$5.00

STREPTOCARPUS (Cape Primrose)

Wiesmoor Hybrids. A new pot plant. The beautiful flowers stand up above the foliage somewhat like gloxinias, but we predict they will become more popular because they have the advantage of hardiness and disease resistance and are also long-lasting cut flowers. Requires a temperature of at least 77° F. to germinate. Complete cultural instructions on every packet. By successive sowings from October to March, blooming plants will be available all year for sale or cutting. (Originator's pkts.) Tr. pkt. \$1.75, 3 pkts. \$4.75.

SWEET PEAS

340 S; 65° to 70° F.; 2 weeks

NEW ZVOLANEK EARLY MULTI-FLOWERED

Extra-long stems, each bearing four to six flowers.

Multi-flowered Deep Rose. Very productive.

Multi-flowered Elk's Purple.

Multi-flowered Flag Blue. Mid-blue; excellent stems.

Multi-flowered Lavender. Extra large.

Multi-flowered Light Rose-Pink. A shade lighter than Multi-flowered Rose.

Multi-flowered Orange-Cerise. Gigantic, glittering orange-cerise flowers.

Multi-flowered Rose. Clear rose-pink.

Multi-flowered Salmon-Pink. One of the best commercial varieties. Lovely deep salmon-pink.

Multi-flowered White. As many as seven or eight blooms per stem.

Any of above, tr. pkt. \$1.00, 1/2oz. \$1.50, oz. \$2.75

Special Mixture. For resale purposes. Many florists resale this mixture at 25c or 30c per ounce. Lb. \$1.75, 5 lbs. \$8.15.



STOCKS, Dwarf Ten Weeks



SWEET PEA, Little Sweetheart

SWEET PEAS, continued

WINTER FLOWERING OR EARLY SPENCER

- Avalon.** Mid-blue; long stemmed.
 - Fiesta.** Finest red.
 - Gardenia.** Long-stemmed pure white.
 - Hiawatha.** Fine deep rose.
 - Hope Improved.** Pure white. B.S.
 - Rhapsody.** Deep, rosy lavender.
 - Snowdrop.** Best pure white. W.S.
 - Sweet Briar.** Rich rose-pink.
 - Twilight.** Bright clear lavender.
 - Exquisite Blend.** A well-balanced mixture.
- Any of above, oz. 50c, 1/4lb. \$1.50, lb. \$5.50**

Little Sweetheart Sweet Pea Mixture. Try this novelty for bedding borders and pots. Each plant makes a perfect mound of flowers, just under 8 inches in height and width. The flowers are the large ruffled Spencer type and the mixture contains the complete color range. Tr. pkt. \$1.50, 1/4oz. \$2.50, 1/2oz. \$4.75, oz. \$9.00.

SPRING FLOWERING OR CUTHBERTSON

This new strain is becoming more popular every year. We recommend a November sowing, which should bloom in late March. Will withstand hot weather and have very long stems.

- Alice.** (New.) Soft blush-salmon-pink.
- Janet.** White. B. S.
- Jessie.** Rich lilac-mauve.
- Billie.** Light carmine.
- Jimmy.** (New.) Deep yet vivid scarlet. Large flowers and long stems.
- Carol.** Clear pink on white ground.
- Lois.** Rose-pink.
- Coline.** Intense scarlet.
- Marion.** Cream. B. S.
- Danny.** Navy-blue.
- Tommy.** Beautiful mid-blue.
- Evelyn.** Soft salmon-pink.
- Waneta.** (New.) Bright deep salmon.
- Frank G.** Lavender.
- Hazel.** Light blue.
- Mixed Colors.**

Any of above, 1/2oz. 35c, oz. 55c, 1/4lb. \$1.65, lb. \$5.00

New Floribundas or Spring Flowering Multifloras. A new race of spring-flowering Sweet Peas.

- Astrid.** Light lavender.
 - Light Pink**
 - Daisy.** White. B. S.
 - Robert.** Mid-blue.
 - Joy.** Deep salmon-pink.
- Any of above, tr. pkt. \$1.00, 1/2oz. \$1.50, oz. \$2.75**

THUNBERGIA (Black-eyed Susan)

1260 S; 65° to 70° F.; 2 to 3 weeks

Alata. Attractive climber for urns and window-boxes. Tr. pkt. 25c, 1/4oz. 60c, oz. \$1.80.

TORENIA Fournieri

375,000 S; 65° to 75° F.; 2 weeks; Feb. 1 on

Compacta, Blue. Deep blue flowers with violet blotches on lip. Nice for spring pot plants for combination work or bedding.

Compacta, White. Nice white.

Either of above, tr. pkt. 40c, 1/8oz. \$1.25, 1/4oz. \$2.25

VERBENA

12,250 S; 65° to 75° F.; 3 to 4 weeks; Jan. to Mar. 15

Following is a good selection of colors for all of our florist customers. Sow early with bottom heat.

Beauty of Oxford Hybrids. Rose-red to clear rose-pink.

Brightness. (New.) Flaming cerise-scarlet with white eye.

Lavender Glory. Fragrant, true lavender.

Luminosa. Pink shaded to salmon.

Royale. Rich deep blue with white eye.

Salmon King. (New.) Deep salmon.

Sutton's Blue. Beautiful mid-blue.

Vivid. (New.) Bright sunproof scarlet.

White. Pure white.

Mixed. Contains all the above colors.

Any of above, tr. pkt. 40c, 1/4oz. 80c, oz. \$2.85

BUSH TYPE

Very uniform and upright, growing 10 inches tall.

Firelight. Vivid solid red.

Roselight. Bright rose-pink with white eye.

Royale. Rich deep blue with creamy eye.

Salmon Queen. Brilliant salmon-pink.

Snowball. Pure white.

Starlight. Mid-blue with creamy white eye.

Any of above, tr. pkt. 55c, 1/4oz. \$1.30, oz. \$4.00

HYBRIDA COMPACTA

German's Exhibition Mixture. This strain is very dwarf and about two weeks earlier than other strains. Plants are upright and are excellent for combination work or borders. To maintain the extra dwarfness and complete color range of this strain, we find it necessary to produce this item ourselves. Tr. pkt. 60c, 1/4oz. \$1.75, 1/2oz. \$3.20, oz. \$6.00.

Crystal. (New.) Pure white. Same habit as Sparkle.

Fireball. Very compact; scarlet-red.

Imp. (New.) Extra-dwarf rose with light eye.

Sparkle. (New.) The most compact and brightest red Verbena. Has a bright creamy eye. Plants produce a continuous mass of bloom all summer.

Sprite. (New.) Extra-dwarf mixture of pink and rose shades.

Violet Bouquet. Dwarf; violet-blue.

Any of above, tr. pkt. 60c, 1/4oz. \$1.35, oz. \$4.50

Ideal Florists' Strain. A special development for pot and flat culture. Beautiful color combinations of the eyed kinds. Very dwarf, spreading habit. Tr. pkt. 75c, 1/4oz. \$1.85, 1/2oz. \$3.30, oz. \$6.10.

VINCA rosea

21,000 S; 65° to 70° F.; 2 to 3 weeks; Nov. through Dec.

Sow seed early (October or November). Splendid for bedding and combinations. Blooms all summer until frost; does well any place.

Alba. White.

Crimson. Dark rose-pink.

Pink. Rose-pink.

Twinkles. Soft pink.

White with Pink Eye

Mixed Colors

Any of above, tr. pkt. 35c, 1/4oz. 60c, oz. \$2.00

ZINNIAS

3120 S; 70° to 80° F.; 1 to 2 weeks (6 weeks from sowing to selling date)

NEW HYBRIDS—GIANT CACTUS-FLOWERED

Eskimo. Large, loosely ruffled, creamy white.

Sunny Boy. Rich buttercup-yellow.

Floradale Scarlet. Scarlet-red. Petals beautifully ruffled and curled, resembling a giant chrysanthemum.

Riverside Beauty. Azalea-pink. Petals curled and twisted.

New Hybrids Mixed. A widely varied mixture of the cactus or chrysanthemum-flowered type. Contains the usual colors plus many new and delicate shades. We predict this new Zinnia will rapidly increase in demand.

Any of above, tr. pkt. 50c, 1/4oz. 90c, 1/2oz. \$1.50, oz. \$2.50, 1/4lb. \$7.50

Blaze. All-America winner, 1954. Very large; scarlet-orange. Long stemmed and free flowering. Tr. pkt. 50c, 1/4oz. \$1.00, oz. \$3.00.

We offer Bodger's (Originator's) strains of the following varieties:

ELEGANS PUMILA, DWARF DOUBLE (Cut-and-Come-Again) 4170S

Canary-Yellow. Bright yellow.

Golden Gem

Pinkie. Rose-pink.

Salmon-Rose

Scarlet

Snowball. White.

Spun Gold. Butter-yellow.

Mixture

Any of above, 1/4oz. 35c, oz. \$1.00, 1/4lb. \$3.60

Peppermint Stick. Novelty striped flowers. Early. Tr. pkt. 35c, 1/4oz. 70c, oz. \$2.25, 1/4lb. \$7.00.

LILLIPUT or POMPON. 4800 S. 1 1/2 to 2 ft.

Canary Gem. Canary-yellow. **Salmon Gem.** Salmon-rose.

Golden Gem. Golden orange. **Scarlet Gem.** Rich scarlet.

Pink Gem. Deep pink. **White Gem.** Pure white.

Rosebud. Rose-pink. **Formula Mixed**

Any of above, 1/4oz. 40c, 1/2oz. 70c, oz. \$1.25, 1/4lb. \$3.75

GIANT DAHLIA-FLOWERED. 2960 S. 2 1/2 to 3 ft. The best large-flowered Zinnia.

Canary Bird. Rich canary-yellow.

Cherry-Rose. Brilliant cherry-rose.

Crimson Monarch. Deep crimson; very large.

Dream. Deep rosy lavender.

Exquisite. Light rose with deep rose center.

Golden State. A rich orange-yellow.

Illumination. Deep rose self.

Luminosa. Bright deep pink.

Oriole. Orange and gold bicolor.

Purity. Best giant white.

Purple Prince. Deep purple.

Will Rogers. Lovely brilliant deep scarlet.

Gold Medal Finest Mixed

Any of above, 1/4oz. 50c, 1/2oz. 85c, oz. \$1.35, 1/4lb. \$4.00, lb. \$14.50



ZINNIA, Giant Cactus Flowered

ZINNIAS, continued

NEW SUPER GIANTS. A new strain remarkable for its giant size and new colors. Flowers 5 1/2 to 6 1/2 inches in diameter. Pastel tones predominate, with many two and three-tone combinations. 1/4oz. 50c, 1/2oz. 80c, oz. \$1.35, 1/4lb. \$4.00.

OTHER VARIETIES OF ZINNIAS

Persian Carpet.

Charming, variegated small flowers. Excellent for bedding; attractive. Tr. pkt. 50c, 1/4oz. \$1.50, oz. \$4.50.

Scabiosa-flowered Mixed (Harmony Type).

2 1/2 to 3 ft. 1/4oz. 50c, oz. \$1.60.



ZINNIA, New Super Giant

Seeds of Biennials and Hardy Perennials



AQUILEGIA, McKana's Giant Hybrid

ACHILLEA Ptarmica

200,000 S; 65° to 70° F.; 1 to 2 weeks

The Pearl. Standard double white for cutting. Tr. pkt. 50c, 1/8oz. 65c, 1/4oz. \$1.15.

ALYSSUM

40,000 S; 65° to 70° F.; 3 to 4 weeks

Saxatile compactum. Silvery foliage; yellow flowers. Tr. pkt. 25c, 1/4oz. 35c, oz. \$1.00.

ANCHUSA

1100 S; 65° to 70° F.; 3 to 4 weeks

Italica, Dropmore. Gentian-blue. Tr. pkt. 25c, oz. 60c.

ANEMONE (Windflower)

37,000 S; 65° to 70° F.; 5 to 6 weeks

St. Brigid, Creagh Castle Strain. Choice mixture of brilliant colors. 18 in. Tr. pkt. 50c, 1/4oz. \$1.00, oz. \$3.00.

ARMERIA

17,500 S; 65° to 70° F.; 3 to 4 weeks

Formosa Hybrids Mixed. Tr. pkt. 40c, 1/8oz. 75c, 1/4oz. \$1.40.

We receive many compliments on the excellent germination of our Perennials and Biennials.

AQUILEGIA (Columbine)

15,500 S; 65° to 70° F.; 3 to 4 weeks

McKana's Giant Hybrid. (New.) All-America Award, 1955. The first perennial to receive an award in recent years. Many beautiful new colors. Extremely long spurred. Tr. pkt. 50c, 1/8oz. \$1.75, 1/4oz. \$2.75, 1/2oz. \$5.00, oz. \$16.00.

Crimson Star. Bicolor, dark red and white. Tr. pkt. 50c, 1/8oz. \$1.50, 1/4oz. \$2.75.

Longissima. Extra long spurred. Pale yellow. Tr. pkt. 50c, 1/8oz. \$2.50, 1/4oz. \$4.50.

Long-spurred Blue Shades

Long-spurred Orange and Scarlet Shades

Long-spurred Pink Shades

Long-spurred Copper Shades

Long-spurred Rose Queen

Long-spurred Snow Queen

Any of above, tr. pkt. 50c, 1/4oz. \$1.10, oz. \$3.25

Mrs. Scott Elliott's Hybrids. Long-spurred; fine color range and large blooms. Tr. pkt. 50c, 1/4oz. \$1.00, oz. \$3.25.

Special Mixture of Long-spurred Varieties. Tr. pkt. 50c, 1/4oz. \$1.00, oz. \$3.25.

BAPTISIA

1700 S; 65° to 70° F.; 3 to 4 weeks

Australis. Indigo-blue, pea-shaped flowers. Tr. pkt. 30c, oz. 80c.

BEGONIA

1,000,000 S; 65° to 75° F.; 2 to 3 weeks

Evansiana. (New.) Hardest of all Begonias. Will withstand subzero temperatures. Grows 2 feet, making tubers. Lovely clear pink flowers. Likes shade. Tr. pkt. \$1.00.

BELLIS

100,000 S; 65° to 70° F.; 1 to 2 weeks

LILLIPUT. (New.) This new strain features a solid mass of bloom that covers nearly the whole foliage. Very well suited to pots and bedding.

Alba. Pure white.

Rose. Rose-pink.

Deep Rose. Very deep reddish rose.

Any of above, tr. pkt. 55c, 1/8oz. \$1.35

MONSTROSA

Lavender. (New.) **Red.** Deep rose. **Rose.** Rose-pink.

White. Pure white. **Mixed Colors**

Any of above, tr. pkt. 50c, 1/4oz. \$2.00

DOUBLE

Crispa Cherry. (Novelty.) Red, cherry-like flowers. Tr. pkt. 50c, 1/4oz. \$1.50, oz. \$5.00.

Longfellow Pink. Dark pink. Smaller but freer flowering than Monstrosa types. Tr. pkt. 35c, 1/8oz. 75c.

SUPER GIANT or ENORMA

From special selections. Flowers measure up to 2 in. in diameter.

Pure White **Red.** Deep rose. **Rose.** Deep pink.

Crimson Ball. Deep crimson. **Mixed**

Salmon. (New.) Nice light salmon-pink.

Any of above, tr. pkt. 50c, 1/8oz. \$1.50

CAMPANULA

Medium, Single (Canterbury Bells).

135,000 S; 65° to 70° F.; 2 weeks

White Blue Rose Lilac Finest Mixed

Any of above, tr. pkt. 20c, ¼oz. 30c, oz. 90c

Calycanthemum (Cup-and-Saucer Type).

120,000 S; 65° to 70° F.; 2 to 3 weeks

Dark Blue Lilac Rose-Pink White Mixed

Any of above, tr. pkt. 30c, ¼oz. 50c, oz. \$1.75

CANDYTUFT (Iberis)

11,500 S; 65° to 70° F.; 2 to 3 weeks

Gibraltarica. Large flowers, lilac shades to white. 1 ft.

Tr. pkt. 30c, ¼oz. 50c, oz. \$1.60.

Jucunda. Dwarf pink, 4 in. high. Tr. pkt. 50c.

Sempervirens. White. 1 ft. Tr. pkt. 50c, ¼oz. \$1.20, oz. \$4.50.

CARNATION

14,000 S; 65° to 70° F.; 2 to 3 weeks

Grenadin, Golden Sun. Golden yellow.

Grenadin, Red Grenadin, Triumph Rose

Grenadin, Pure White Grenadin, Mixed

Any of above, tr. pkt. 60c, ⅛oz. \$1.20, ¼oz. \$2.00, oz. \$6.50

DWARF VIENNA. 12 in. This strain is much used for spring basket sales.

Prof. Malmgreen. Brick-red.

Rose. Bright salmon-rose.

White. Pure white.

Mixed

Any of above, pkt. 60c, ⅛oz. \$1.20, ¼oz. \$2.25

For Annual varieties, see page 7

CENTAUREA

1600 S; 65° to 75° F.; 2 to 3 weeks

Montana. Large, cornflower-blue flowers. Tr. pkt. 25c, ¼oz. 50c, oz. \$1.50.

CHRYSANTHEMUM leucanthemum

25,000 S; 65° to 75° F.; 2 to 3 weeks

Alaska Daisy. Pure white flowers on long stems. Blooms June till frost. Tr. pkt. 25c, oz. \$1.00.

Exhibition Giant White. Pure white. Ideal cut flower, producing a large number of real double and semi-double flowers. Tr. pkt. 50c, ¼oz. \$1.50, ¼oz. \$2.75.

DAISY, SHASTA

18,500 S; 65° to 70° F.; 2 to 3 weeks

G. Marconi. Long-stemmed, largest-flowered and finest double Shasta Daisy.

Diener's Giant Double. Fine white.

Either of above, tr. pkt. 50c, ⅛oz. \$1.50, ¼oz. \$2.75

DELPHINIUM

10,000 S; 55° to 65° F.; 3 to 4 weeks

GIANT PACIFIC HYBRIDS. We consider the following to be the most satisfactory type for florists.

Astolat Series. Pale bluish tints with some darker tones; all have dark bees. ½tr. pkt. \$1.50, tr. pkt. \$2.25, ¼oz. \$4.25, ¼oz. \$7.75 (originator's seed).

Blue Bird Series. A white bee on clear medium blue petals.

Cameliard Series. Pure lavender with white bee.

DELPHINIUM, continued

Galahad Series. Finest white. Strong stems; branching habit. 3-in. flowers

Guinevere. Light pink-lavender with white bee.

King Arthur. Brilliant royal violet with white bee.

Percival Series. Large, glistening white flowers with contrasting black bees.

Summer Skies. Clear light blue with white bee.

Round Table Mixture. All Pacific Giants.

Any of above, except where noted, tr. pkt. \$1.50, ⅛oz. \$2.50, ¼oz. \$4.50, oz. \$15.50

Belladonna Improved. Tr. pkt. 50c, ¼oz. \$1.00, oz. \$3.25, ¼lb. \$11.00, lb. \$40.00.

Bellamosum Improved. Tr. pkt. 50c, ¼oz. \$1.00, oz. \$3.25, ¼lb. \$11.00, lb. \$40.00.

Blackmore & Langdon Strain Mixed. One of the best-known strains. Tr. pkt. 50c, ¼oz. \$1.00, oz. \$3.00, ¼lb. \$10.00.

Gold Medal Hybrids Mixed. Dark shades. Tr. pkt. 25c, ¼oz. 50c, oz. \$1.75

Lamartine. Gentian-blue with cream center. Fine for cutting. Tr. pkt. 50c. ¼oz. \$1.35, oz. \$4.75.

Sapphire. A shade lighter and brighter than Bellamosum, with golden bee. Has immense florets and is an excellent florists item. Tr. pkt. 75c, ¼oz. \$2.50, oz. \$7.50.

Wrexham (Hollyhock) Strain. Long flowering period. Extremely long and tapering spire-like spikes. Tr. pkt. 50c, ¼oz. \$1.50, oz. \$5.40.

CHINENSE

Alba. Pure white. 2 to 3 ft. Tr. pkt. 35c, oz. \$1.25.

Blue Mirror. (New.) Bright navy-blue, spurless flowers. Tr. pkt. 50c, ¼oz. \$1.15, oz. \$3.60.



DELPHINIUM, Pacific Hybrids, Galahad

DIANTHUS

26,600 S; 65° to 70° F.; 2 to 4 weeks

BARBATUS (Sweet William)

Giant White. Extra large-flowered strain.

Newport Pink. Very attractive rich pastel salmon-rose.

Scarlet Beauty. Intense scarlet-red.

Double Mixture. Formula mixture of all colors.

Any of above, tr. pkt. 30c, 1/4oz. 75c, oz. \$2.40

Double Dwarf Midget Mixed. Tr. pkt. 35c, 1/4oz. 85c, oz. \$3.00.

Dwarf Single Midget Mixed. Excellent rock plant. Tr. pkt. 50c, 1/4oz. \$1.50, oz. \$4.50.

PLUMARIUS

Semperflorens (Florist's Perpetual Pinks). Extra-choice mixture. Tr. pkt. 35c, 1/4oz. 60c, oz. \$2.00.

Semperflorens, Cyclops. Rose and red shades with deeper eye. Tr. pkt. 35c, 1/4oz. 60c, oz. \$2.00.

Spring Beauty. Very fragrant; double giant carnation-like form. Beautiful color range. Tr. pkt. 50c, 1/4oz. \$1.40, oz. \$5.00.

Special Scotch Extra Double Mixture. Outstanding mixture. Stems 12 to 15 in. long; blooms 1 1/2 to 2 in. in diameter. Tr. pkt. 35c, 1/8oz. \$1.00, 1/4oz. \$1.75, oz. \$5.10.

DICENTRA (Bleeding-Heart)

1600 S; germinate same as Trollius

Spectabilis. Rose-red flowers. Tr. pkt. \$1.50, 1/2oz. \$2.20, 1/6oz. \$4.00.

DICTAMNUS (Gas Plant)

1700 S; soak seed (germinates unevenly)

Albus caucasicus. Rosy pink flowers with deeper veins; very showy. 2 1/2 ft. Tr. pkt. 50c, oz. \$1.85.

DIGITALIS (Foxglove)

272,500 S; 65° to 70° F.; 2 to 3 weeks

Shirley Hybrids Mixed. Enormous flowers. 6 to 7 ft. Tr. pkt. 35c, 1/4oz. 60c, oz. \$2.10.

Shirley, Pastel Shades. New shades of cream, yellow, apricot, rose-pink and heliotrope. Tr. pkt. 50c, 1/4oz. \$1.30, oz. \$4.00.



GAILLARDIA, Goblin

FORGET-ME-NOT (Myosotis)

30,400 S; 65° to 70° F.; 2 to 3 weeks

Carmine Bedder. (New.) This is the deepest rose color. The 6-in. plants produce an abundance of bright rosy carmine flowers. Tr. pkt. 50c, 1/4oz. \$1.15, oz. \$4.00.

Alpestris, Express. Early, large-flowered selection from Indigo Blue. Tr. pkt. 35c, 1/4oz. 95c, oz. \$3.15.

Hybrida

Isolde Krotz. Extra dwarf and very large flowered. Rich blue.

Margo Sacher. Celestial blue. The largest flowered of all.

Either of above, tr. pkt. 50c, 1/4oz. 95c, oz. \$3.15

Victoria Strain. Has very dwarf, globular growth; large flowered.

Azure-Blue Indigo-Blue Rose White

Any of the above, tr. pkt. 40c, 1/8oz. 85c, 1/4oz. \$1.60

GAILLARDIA grandiflora

9500 S; 65° to 70° F.; 2 to 3 weeks

Burgundy. Wine-red flowers 2 1/2 in. across. Blooms from June till frost. 2 1/2 ft.

Breman. Large flowers of bright golden yellow with maroon-red center. 3 ft.

Monarch Strain. A superior strain of large, full-petaled flowers with an excellent range of colors.

Any of above, tr. pkt. 30c, 1/4oz. 50c, oz. \$1.75

Goblin. Forms attractive, compact plants with red and yellow bicolored flowers. Free flowering. Tr. pkt. 30c, 1/4oz. 65c, oz. \$2.25.

GEUM (Avens)

7000 S; 65° to 70° F.; 3 to 4 weeks

Lady Stratheden. Large, double, orange-yellow flowers.

Mrs. Bradshaw. Splendid double, bright scarlet flowers. 2 ft.

Either of above, tr. pkt. 30c, 1/4oz. 60c, oz. \$1.75

Orange Queen. Orange-scarlet, large double flowers. Tr. pkt. 50c, 1/8oz. \$1.25.

GYPSOPHILA

33,000 S; 65° to 70° F.; 1 to 2 weeks

Double Snowflake. 40 in. About 50% double. Tr. pkt. 35c, 1/4oz. \$1.35, oz. \$4.50.

HEUCHERA (Coral Bells)

750,000 S; 65° to 70° F.; 2 to 3 weeks

Sanguinea hybrida Mixed. Shades of red through rose to white. Tr. pkt. 50c, 1/6oz. \$1.75.

HOLLYHOCK

3200 S; 65° to 70° F.; 2 to 3 weeks

Chater's Mixed. Tr. pkt. 35c, 1/4oz. 65c, oz. \$2.00.

Triumph Strain. Beautiful fringed flowers in new shades. Tr. pkt. 35c, 1/4oz. 50c, oz. \$1.60.

IBERIS (Hardy Candytuft). See Candytuft.

LATHYRUS (Hardy Sweet Pea)

550 S; 65° to 70° F.; 2 to 3 weeks

Mixed Colors. Pink, white and red mixed. 1/4oz. 50c, oz. \$1.50.

LIATRIS (Gayfeather)

9500 S; 65° to 70° F.; 3 to 4 weeks

Pycnostachya. Long-stemmed rosy crimson spikes 15 to 18 in. long. Finest for cutting.

Scariosa. Rosy purple; long spikes. 4 ft.

Either of above, tr. pkt. 50c, 1/4oz. \$1.80

LUPINES

1000 S; 65° to 70° F.; 3 to 4 weeks (soak seed)

Russell Hybrids Mixed. Large flowers; marvelous color range. Tr. pkt. 35c, ¼oz. 60c, oz. \$2.00, ¼lb. \$6.00.

LYCHNIS

64,000 S; 65° to 70° F.; 3 to 4 weeks

Viscaria splendens. Rosy lilac; for rock-gardens. 14 in Tr. pkt. 25c, ¼oz. 50c.

MATRICARIA (Bridal Rose or Feverfew)

145,000 S; 65° to 70° F.; 2 to 3 weeks

Ball Double White. Extra select. 18 in. Tr. pkt. 35c, ¼oz. \$1.00, ¼oz. \$1.75.

MYOSOTIS. See Forget-Me-Not.

POPPY, ORIENTAL

140,000 S; 65° to 70° F.; 1 to 2 weeks

Beauty of Livermere. Dark oxblood-red. Tr. pkt. 35c, ¼oz. \$1.25, oz. \$3.50.

Brilliant. Vivid fiery red. Tr. pkt. 35c, ¼oz. \$1.25, oz. \$3.50.

Princess Victoria Louise. Light orange-salmon. Tr. pkt. 35c, ¼oz. \$1.00, oz. \$3.00.

White Star. White with purple eye. Tr. pkt. 35c, ¼oz. \$1.15, ¼oz. \$2.00.

Choice Mixed. Mixture of all colors. Tr. pkt. 25c, ¼oz. \$1.25, oz. \$3.50.

PRIMULA veris (Polyanthus)

33,000 S; 65° to 70° F.; 3 to 6 weeks

Bright Yellow

Coerulea. Blue shades.

Red Shades

Giant Munstead. Light shades.

White

Colossea Mixed. Giant flowered choicest mixed. Contains many new shades.

Any of above, tr. pkt. \$1.00, ¼oz. \$1.35, ½oz. \$2.50

NEW LONG-STEMMED, LARGE-FLOWERED STRAIN

Red Shades

Canary-Yellow

Either of above, tr. pkt. 50c, ¼oz. \$1.35, ½oz. \$2.50
(Write for prices on larger quantities)

Japonica Mixed. Crimson, rose and pink flowers borne in whorls on 6 to 9-in. stems. Tr. pkt. 50c, ½oz. \$1.00.

Acaulis Blue. Beautiful shade of blue. Tr. pkt. \$1.25.

Acaulis Mixed. When in full bloom, these luxuriant plants are a mass of brilliance. Each tight, rose-like bud is carried on a separate stem. Tr. pkt. \$1.10.

Auricula, Monarch Strain Mixed. An exceedingly hardy Primula. Very attractive plant forming rosettes of thick leaves, sometimes farinose or mealy. The plants bloom from April to June and again in the fall. Tr. pkt. \$1.10.

PYRETHRUM (Painted Daisies)

22,000 S; 65° to 70° F.; 2 to 3 weeks

James Kelway. Rich crimson-scarlet. Tr. pkt. 60c, ¼oz. \$2.00.

Roseum, Single Mixed. Tr. pkt. 50c, ¼oz. \$1.75, oz. \$5.00.

Robinson's Giant Hybrids. Tr. pkt. 60c, ¼oz. \$1.75, oz. \$5.00.

German's Giant Double Mixed. High percentage of double flowers; excellent color range. Tr. pkt. 50c, ½oz. \$1.55, ¼oz. \$2.75, oz. \$8.20.

SCABIOSA

2400 S; 65° to 70° F.; 2 to 3 weeks

House's New Hybrids. Tr. pkt. 35c, ¼oz. 90c, oz. \$3.20.

TRITOMA (Red-Hot Poker)

20,000 S; 65° to 70° F.; 3 to 4 weeks (slow and uncertain)

Royal Castle Hybrids. Splendid new color range; flowers of perfect form.

Uvaria grandiflora. Fiery red with yellow.

Either of above, tr. pkt. 30c, ¼oz. 60c, oz. \$2.00

TROLLIUS Ledebouri

8000 S; expose seed flats to freezing temperature for several weeks, then bring into 60° house

Dark Orange. As named.

Golden Queen. Golden orange petals, yellow anthers; large. The best variety. 3 to 4 ft.

Either of above, tr. pkt. 50c, ¼oz. \$1.20, ½oz. \$2.00

VIOLA cornuta

24,000 S; 65° to 70° F.; 2 to 3 weeks

Cornuta (Small-flowered Types)

Blue Gem (Jersey Gem). Deep violet-blue. Tr. pkt. 50c, ½oz. \$2.00.

Blue Perfection. Large-flowered light blue. Tr. pkt. 50c, ½oz. \$1.10, ¼oz. \$2.00, oz. \$6.00.

Johnny Jump Up, Mixed. Small, free-flowering mixture. Tr. pkt. 50c, ½oz. \$1.35.

King Henry. Purple-violet with blue. Tr. pkt. 50c, ¼oz. \$1.35, oz. \$4.80.

Lutea Splendens. Golden yellow. Tr. pkt. 50c, ¼oz. \$1.20, oz. \$4.00.

Papilio. Blue and white combinations. Extra dwarf. Tr. pkt. 50c, ¼oz. \$1.25.

Cornuta Hybrida (Large-flowered Types)

Admiration. Deep violet-blue. Tr. pkt. 50c, ¼oz. \$1.35, oz. \$4.80.

Arkwright Ruby. Rich crimson with dark eye. Tr. pkt. 50c, ½oz. \$1.60, oz. \$8.00.

Chantreyland. Pure apricot; very free blooming. Tr. pkt. 50c, ¼oz. \$2.60, oz. \$8.00.

Georgia Peach. (New.) Large, ruffled blooms in bright shades of delicate peach. Tr. pkt. 50c, ½oz. \$2.50, ¼oz. \$4.75.

White Perfection. Large-flowered white. Tr. pkt. 50c, ¼oz. \$1.35, oz. \$4.80.

Yellow Gem. Best pure yellow. Tr. pkt. 50c, ¼oz. \$1.20, oz. \$4.00.

German's Special Mixture. A superb mixture. Tr. pkt. 50c, ¼oz. \$1.35, oz. \$4.80.



VIOLA, cornuta

EXTRA-SELECT *Vegetable Seeds*

Days to maturity: The number of days indicated are from setting out plants to open fields, as applied to broccoli, cabbage, cauliflower, celery, pepper, and tomato, which ordinarily are transplanted.

BEETS

	Oz.	¼lb.
Crosby's Egyptian	\$0 15	\$0 50
Detroit Dark Red. Improved strain..	15	50

BROCCOLI

10,000 S; 65° to 75° F.

	Oz.	¼lb.
Green Sprouting Early	\$0 50	\$1 55

BRUSSELS SPROUTS

7000 S; 65° to 75° F.

Long Island Improved	45	1 50
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CAULIFLOWER

7000 S; 65° to 75° F.

	½oz.	Oz.	¼lb.
Extra Early Snowball. 52 days.....	\$1 40	\$2 50	\$8 25
Super Snowball. 55 days.....	1 40	2 50	8 25
Snowball "A." 55 days.....	1 40	2 50	8 25
Snowball "X." 65 to 70 days. Best for home gardens. Matures gradually. For main crop, or fall harvest.....	1 40	2 50	8 25

CABBAGE

7000 S; 65° to 75° F.

Early and Medium Early Varieties

	Oz.	¼lb.	Lb.
Early Jersey Wakefield. 65 to 70 days.....	\$0 50	\$1 40	\$4 50
Glory of Enkhuizen. 75 to 80 days..	50	1 50	5 00
Surehead. 90 days.....	45	1 30	4 00
Medium Copenhagen, Yellows-Resistant. (New.).....	65	1 85	6 00
Golden Acre, Yellows-Resistant. (New.).....	65	1 85	6 00
Late or Winter Strains			
Danish Ballhead, Penn State Strain. Short stem. 105 to 110 days.....	55	1 65	5 25
Premium Late Flat Dutch. 100 to 110 days.....	45	1 30	4 00

CABBAGE, continued

Yellows-Resistant Strains

	Oz.	¼lb.	Lb.
Marion Market. 78 to 85 days....	\$0 50	\$1 60	\$5 00
Wisconsin Hollander No. 8. 105 to 110 days.....	55	1 65	5 50

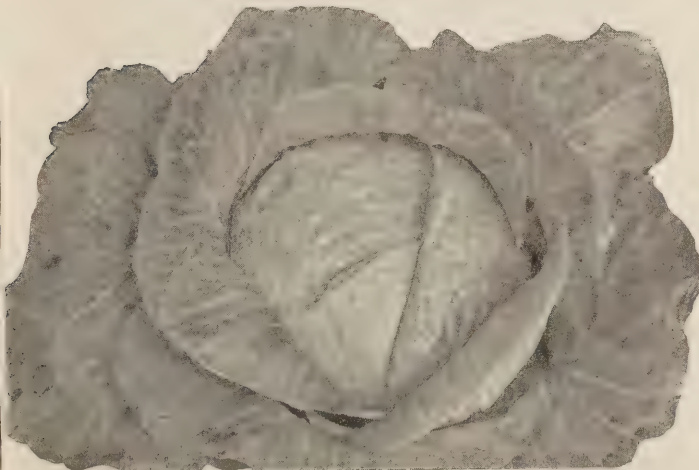
Also see Medium Copenhagen and Golden Acre listed at left.

Red and Savoy

Round Red Dutch. 85 to 90 days.			
Early round red.....	60	2 00	6 00
Savoy, Chieftain. 85 to 90 days....	50	1 50	5 00



CELERY, Golden Plume or Wonderful

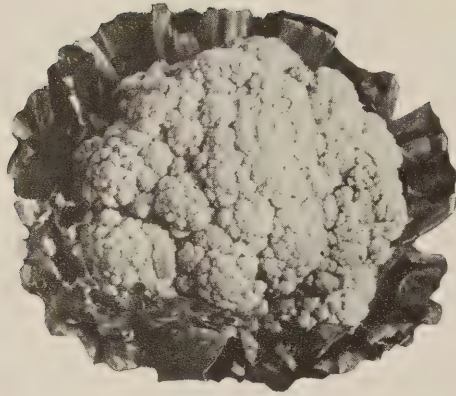


CABBAGE, Golden Acre

CELERY

8000 plants per oz.

	½oz.	Oz.	¼lb.
Dwarf Golden Detroit. 90 to 100 days	\$0 60	\$1 00	\$3 25
Fordhook Giant. 130 days. Green....	60	1 00	3 25
Golden Plume or Wonderful. 85 days. Golden.....	60	1 00	3 25
Summer Pascal. 140 days. Superior to Giant Pascal.....	70	1 30	4 35
Utah No. 15. 125 days. Green.....	50	90	3 00
Fullheart. 100 days. Creamy white..	50	90	3 00
Winter Queen. 130 days. Excellent winter keeper. Green.....	50	90	3 00



CAULIFLOWER, Super Snowball

CUCUMBER

1000 S

Hybrid Early Surecrop. 58 days. All-America Bronze Medal. Dark green, slender, 8 to 9-in. fruits with blunt ends. Crisp white flesh. . . . \$0 50 Tr. pkt. 1/4oz. \$1 40 Oz. \$4 20 1/4lb. \$12 50

Early Hycrop Pickling. The finest producer of pickling Cucumbers. . . . 50 Tr. pkt. 1/4oz. \$1 40 Oz. \$4 20

EGGPLANT

6000 S; 65° to 75° F.

Black Beauty. Most popular. . . . \$0 70 Oz. \$2 25 1/4lb. \$7 50 Lb.

F₁ Hybrid. Extra early; velvety black. Vigorous and prolific. . . . 2 25 Tr. pkt. 75c, 1/2oz. \$1.25.

HERB GARDEN

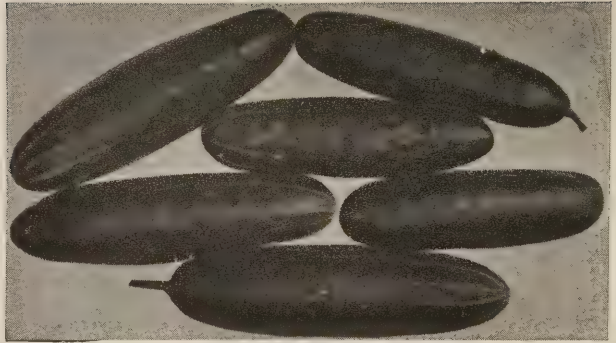
Take advantage of today's popularity and publicity in the use of herbs in cookery.

	Tr. pkt.	Large pkt.
Anise	\$0 15	\$0 50
Basil	15	50
Borage	15	50
Chives	15	50
Coriander	15	50
Dill	15	50
Sage	15	50
Savory	15	50
Thyme	15	50

Collection: 1 tr. pkt. each of above 9 herbs for \$1.00; 1 large pkt. of each for \$3.90

QUALITY OF VEGETABLE SEEDS

NOTICE: We have either visited the trial grounds of the growers from whom these seeds are purchased or had their strains in our own trial grounds. It is our opinion that there are too many inferior (or cheap) seeds on the market today. We have spared no expense in obtaining the seeds in this list, and we offer only those considered by us to be outstanding strains. We are proud to offer these Extra-Select Strains and assure you that our vegetable seeds are of the same high standard as our Florists' Flower Seeds.

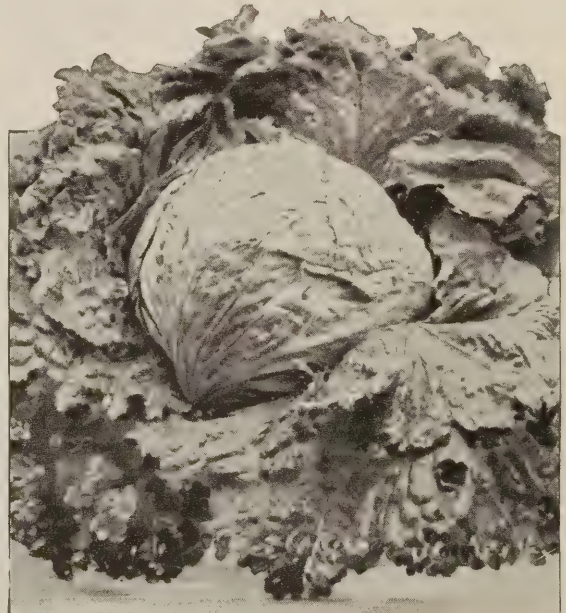


CUCUMBER, Hybrid Early Surecrop

LETTUCE

15,000 S; 60° to 70° F.

	Oz.	1/4lb.	Lb.
Loose-leaf			
Grand Rapids	\$0 25	\$0 70	
Salad Bowl. 45 days. Heat resistant. Stays tender all summer.	75	2 50	
Head Lettuce			
Imperial No. 44. Well-formed, solid heads.	40	1 10	
Great Lakes No. 428. 75 to 80 days. Early. Large, well-rounded heads with smooth base and small ribs.	55	1 65	\$5 50
Premier Great Lakes. 75 days. Head solid, practically round, up to 7 in. in diameter and two pounds in weight. Slow to bolt and very resistant to tipburn.	60	1 75	5 50
Progress. 82 days. Early, dark green, heavily savoyed, crisp heads.	60	1 80	



LETTUCE, Premier Great Lakes



MUSKMELON, Pennsweet



WATERMELON,
New Hampshire
Midget

MUSKMELON

1000 S

Pennsweet. (New.) All-America selection for 1955. Developed for Tr. pkt. short-season areas. \$0 30 Oz. \$0 55 ¼lb. \$1 70

WATERMELON

415 S

New Hampshire Midget. Early. Small icebox type. 35 1 20

ONION

9000 S

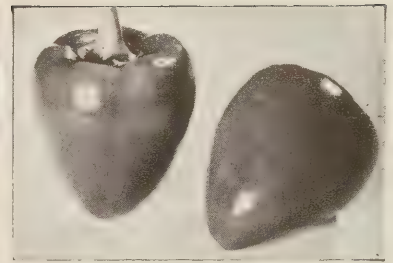
We are proud of our reputation for high-germinating Onion seed.

	Oz.	¼lb.	Lb.
Ailsa Craig. 105 days. Very large; skin sulphur-yellow, interior white. Flesh fairly solid, sweet and tender.	\$0 70	\$2 10	\$6 25
Prizetaker. 105 days. Good shipper. Light yellow skin; white flesh. Very sweet and tender.	65	2 10	6 50
Utah Sweet Spanish. 112 days. Skin amber-yellow; globe-shaped. Flesh firm but juicy and sweet. Good keeping quality.	65	2 10	6 50
Yellow Globe Danvers. Excellent keeper.	40	1 30	3 90

Percentage of germination and date tested is stamped on each packet of vegetable seeds.



PEPPER
California Wonder



PEPPER
Pimento Perfection

PEPPER

3000 S; 70° to 80° F.

Sweet Varieties

California Wonder. 74 days. Thick flesh, true stock.	Oz. \$0 75	¼lb. \$2 25	Lb. \$7 50
Calwonder Early. 69 days. Early selection of above.	80	2 40	8 50
German's Earliest. 62 days. Very prolific; extra early. Fruit 6½ to 7 in. long and 3½ to 4 in. in diameter, three and four lobed.	1 00	3 25	10 50
Golden Wonder. 75 days. Golden-fleshed California Wonder.	90	2 90	10 00
Harris Early Giant. 63 days. Three-lobed, gently tapered fruit.	80	2 40	8 00
Illinois F 5. (New.) 65 days. Fruits shaped like World Beater but more compact. Medium thick walls. Bears continuously, even in hot seasons.	½oz. 75c	1 35	4 40 13 50
King of the North. 65 days. Early strain of Ruby King.	75	2 25	7 50
Pennwonder. The earliest Pepper of good size, thick meat and blocky shape. Thick flesh, sweet and mild. Ripens early and gives heavy yields.	80	2 40	8 00
Pimento Perfection. 80 days. Heart-shaped fruits; unusually thick flesh.	70	2 25	7 50
Ruby King. 68 days. An old favorite. Very productive.	65	2 20	6 50
Sunnybrook (Pimento). 73 days. Tomato-shaped fruit, thick and very mild.	70	2 25	7 50
World Beater. 70 days. Four-lobed fruit.	75	2 25	7 50
Bullnose, Mild. 57 days. 4 in. long and 3 in. in diameter.	65	2 20	6 50

Hot Varieties

Bullnose, Hot. 65 days. Ribbs pungent, otherwise mild.	70	2 40	7 00
Hungarian Yellow Wax. 65 days. Fruits pendent, medium slender, tapering, smooth and very pungent. Waxy yellow.	75	2 25	7 50
Large Red Cherry. 80 days. Fruit round, smooth, solid and very pungent.	75	2 30	7 50
Long Red Cayenne. 70 days. Fruits tapering, very pungent, averaging an inch in diameter at shoulder.	65	2 20	6 50

TOMATO

7000 S; 60° to 70° F.

Early Giant Hybrid. (New.) The best hybrid for earliness and large fruit size. No other hybrid can equal it for both size and earliness. 300 seeds \$2.00, ¼oz. \$6.00, ½oz. \$11.00.

Special Forcing

Michigan State Forcing. Wilt-resistant. Developed at Michigan State College. Rich, deep scarlet fruits, averaging 4 to 5 ozs Early Tr. pkt. ¼oz. Oz and heavy yielder.....\$0 25 \$0 50 \$1 50

Outstanding Improved Strains

Penna. Certified Tomato Seed, by Stokes. Treated with New Improved Ceresan. The following strains are sold in the grower's sealed packets only.

Master Marglobe. (Stokes.) The most outstanding uniform strain that we have ever seen. Average weight 5½ ozs. Chiefly resistant to fusarium wilt and nailhead rust. Oz. ¼lb. Lb. \$0 70 \$2 10 \$6 50

Rutgers. (Stokes.) A specially developed strain. Large, deep, productive and vigorous. Dual-purpose variety, suitable as a shipper or for canner use. 70 2 10 6 50

Stokesdale. (Stokes.) 75 days. Fine canner. 70 2 20 6 50

Stokescross F₂ Hybrids

The astonishing hybrid vigor of the Stokescross Tomatoes will, in varying degrees, develop these advantages: production increase up to 30%; earlier, more continuous and profuse fruit setting; more extended harvest season; distinctive qualities of color, flavor and firmness; less cracking of fruit.

Stokescross No. 1. Extra-early—60 days. Average weight 3 ozs. Color and flavor are unique. Plants may be set 2 by 3 ft., for the foliage is light. Tr. pkt. (1000 seeds) Oz. \$1 00 \$5 00

Stokescross No. 3. 65 days. This variety will mature a profusion of 5-oz. Tomatoes. Developed for the shipping trade and for northern processors. 1 00 5 00

Stokescross No. 5. Early main-crop—70 days. Average weight 6 ozs. Distinguished by its amazing vigor. Production increase up to 30% is not unusual. Rich flavor and high color. 1 00 5 00



TOMATO, Rutgers



TOMATO, Early Giant Hybrid

Standard Tomatoes (B.R. signifies resistant to blight).

Beefsteak (Crimson Cushion). 90 days.....	90 Oz.	¼lb.	Lb.
	\$0 85	\$2 75	\$8 50
Bonny Best. (N. J. Certified, Ceresan treated.) 70 days.....	60	2 00	6 00
Bounty. 60 days. Early dwarf variety. Better than Victor	90	2 85	9 00
Break O'Day. 70 days. (B.R.).....	60	2 00	6 00
Firesteel. 68 days. (B.R.) Sure cropper.....	75	2 50	7 50
Fordhook Hybrid. 60 days. Early; very prolific. Pkt. (30 seeds) 25c, 300 seeds \$2.00, ¼oz. \$6.00, ½oz. \$11.00.			
John Baer. (Certified, Ceresan treated.) 70 days.....	60	2 00	6 00
Long Red. (Certified, Ceresan treated.) Outstanding for the main crop. Enormous yields of large fruit. Bears until frost. Rich red, solid flesh; smooth, globe-shaped fruit.....	80	2 40	8 00
Ohio W-R Brookstone. (New.) Resistant to fusarium wilt. Deep red. In tests has produced yields 25% higher than Rutgers. Less affected by dry weather than other varieties..... ½oz. 50c	90	2 85	9 00
Oxheart. 90 days. Pink.....	1 10	3 65	11 00
Pennheart. 63 days. One of the best for truck farmers.....	90	2 85	9 00
Ponderosa. 90 days. Deep purplish pink.....	85	2 80	8 50
Pritchard (Scarlet Topper). (Certified.) Fine all-round variety. Heavy yielder; second early.....	65	2 20	6 50
Sunray. Deep orange flesh; blight resistant.....	1 00	3 00	
Valiant. 70 days. Large, smooth, firm fruit.....	90	3 00	9 00

Small-fruited Tomatoes

Red Cherry. Small fruits. ½in. in diameter.....	75	2 50	
San Marzano. 70 days. For Tomato paste.....	1 00	3 00	
Yellow Plum. Yellow, plum-sized fruits.....	75	2 50	

Snapdragons

1954 EDITION

Latest Information On New Varieties And Culture

The following information consisting of sowing, benching and blooming dates of Single Stem Snapdragons, has been collected over a period of nearly ten years. Single Stem Snap culture is not new with us and we believe you will find this information quite accurate; HOWEVER we do not recommend single stem culture for all growers or all seasons, it works fine in close timing for quick crop rotation, for a fast catch crop and is the only method of producing high quality Snaps during the summer and early fall months of June, July, August, Sept., Oct. and November and it is easier to time the blooming period with this method. We believe our dates will prove better than 90% correct for the months of May, June, July, Aug., Sept., Oct. and Nov., but during the balance of the year the weather is the controlling factor. Experiments conducted by Dr. John Seeley at Penn State University show that the use of supplementary lights will speed up the crop about 2 or 3 weeks without affecting the quality, however Dr. Seeley has recommended that single-stem culture will give the same speed up and is more economical.

The Snapdragon is a cool temperature crop, its labor requirements are low and the cost of propagating material is unusually small in comparison to the crop value. These things should be kept in mind when planning production.

HELP IN CHOOSING VARIETIES

With the large number of new varieties being introduced each year most growers must depend on their seedsmen for recommendations. If you desire any information, just write and tell us when you wish to bench your Snaps, the desired blooming dates, colors, also if you are growing for the wholesale market or for your own use and we will be very glad to help you work out a schedule and recommend the proper varieties for your own situation.

This should enable you to plant each bench with varieties that will bloom and cut off at about the same time and thus clear your benches evenly for the next crop. Often growers bench several different types in one bench and then find that one or two varieties are holding up the whole bench and they are finally forced to throw the late types out in order to have the bench cleared for the next crop.

For early Snaps to bloom from Dec. to Feb. 1st, we recommend the hybrids. The Hybrid varieties will also bloom ahead of open pollinated varieties at any season and should be used for fast crop rotations. The open pollinated varieties are excellent for mid-season and spring crops, but much care should be used in choosing the varieties you grow. For blooming from late May to mid-September we recommend Rockwoods' Crystal White, Lavender Rose, Summer Pink No. 1, Summer Yellow No. 1, Lavender Bronze, Patsy Ann (pink) Sunshine (yellow) and Navajo (red), these varieties will give you an excellent spike during the hot summer months with close-set florets and will not easily shatter, if the Bees are kept off.

BEES

The best way to prevent Bees from entering the greenhouse and pollinating the Snaps, causing florets to drop or shatter, is to screen the vents. Some use old Aster cloth or cheese cloth and find it very satisfactory. Wire screen is easily applied and need not be too tightly applied, as the Bee does not seek out small openings. Some success has been reported in the use of a Parathion smoke fumigator—when the Bumble Bee comes in, close the vents and use one small smoke bomb to a house and leave the vents closed for 5 or 10 minutes, as it is the Bumble Bee that does the most damage and he travels very short distances and can soon be eradicated.

SEED GERMINATION

We recommend the following soil mixture; 1 part good soil, 1 part peat and 1 part sand, to which is added a small amount of Super-Phosphate. This mixture should then be steam sterilized, then placed in flats, leveled and marked in rows and sprinkled from the top and the flats placed either in a shallow pan of water or in a constant water bench. Allow the soil to become well soaked, but not muddy, then sow the seeds thinly, water lightly to establish good contact with the soil and cover with paper, glass and paper or wet burlap to reduce evaporation. NOTICE — before sowing Snap seed treat with Semesan dust, take an amount equal to the size of a Tomato seed and place it in the seed envelope and shake well, be certain that the seeds are completely covered with the dust. The flats must never be allowed to become dry. Remove the cover as soon as germination starts (3 to 8 days). During hot weather place the flats in a cool place and you can even stack one on top of the other, however after the 3rd day they should be inspected each morning and as soon as the white sprout shows, move them into the light. To get even germination during the cool months you must remember that Snaps need an even temperature and they should be placed in such a place. For the Hybrids we suggest a minimum temperature of 55° to 60° F., open pollinated varieties 55° F and the Hot Weather varieties 62° to 65° F. In a 12"x20" flat limit seeds to 1/2 packet, as overcrowding produces weak seedlings and will help damp-off to start.

Another method of sowing is to prepare the flat as above, level and mark rows and soak flats well, sow seeds in rows or they may be broadcast and covered with just enough screened Spagnum moss to hide the soil, screen the moss by rubbing through a 1/4" mesh hardware screen, DON'T use the dust from bottom of bale, you want the rather "stringy" material) then water lightly with a very light spray or syringe.

Vermiculite is a wonderful germinating medium, however as soon as the seedlings appear you should start to feed with a dilute soluble fertilizer, as there is no food value in the vermiculite. Continue to feed regularly until transplanted from this.

The brick method also is very successful. Place sterilized mixture of 1/2 peat and soil on top of bricks that are first placed in a shallow pan of water, the soil should be 1" deep on top of the bricks, sow on top of soil and use no cover.

As soon as seedlings appear with any method, feed with a dilute soluble fertilizer (teaspoonful to 1 gal. water) this will hasten growth and give sturdier plants.

BENCH PREPARATION

To prepare for transplanting add 2 or 3 pounds of super-phosphate per 100 square feet of bench, this amount should be sufficient for one year. Then the bench should be cultivated, leveled roughly and then topped with shredded peat moss $\frac{1}{2}$ " to 1" deep (a bale should cover 200 to 300 sq. ft.). Use the light colored less decomposed peat. This peat should then be mixed into the top layer of soil so that it will not move when watered; then level the bench for planting and steam sterilize, maintain 180° F. for one hour. Bench the following day and water well after benching. The use of peat will assure the grower that fertility and salt levels will not injure the plants, as the peat acts like a sponge and absorbs excess nitrates.

TRANSPLANTING AND SPACING

Select plants of uniform size and quality, if this is not done the bench will mature unevenly and will take as much time to cut off as a pinched crop. We prefer the use of seedlings not over 2" tall and we recommend that they be given a light application of liquid feed (1 teaspoon to gal. of water) about two days before transplanting. Handle carefully and to assure success during hot weather after transplanting a few rows go back and water each individual plant. Always grasp seedlings by the leaves, never the stem, this will prevent injury. After transplanting, the seedlings must be shaded to guard against wilting. **DON'T PLANT TOO DEEP**, as this causes stems to rot.

For benching from Sept. 15th to early Feb., we suggest a 3"x6" spacing, that is, space the plants 3" in the rows and the rows 6" apart, this will allow room for watering, feeding or cultivation during their growing season. For benching from early Feb. to early Sept. we recommend a spacing of 3"x4" or 2 $\frac{1}{2}$ "x5", these spacings will yield satisfactory quality and give the best returns during their respective seasons. Wider spacings will give added weight to your snaps, but the major part of this is grass, the closer spacings are more profitable to the grower.

Precision pinching is a pinch just above the 1st set of true leaves (not the seed leaves). For this pinch we recommend a spacing of 6"x6". Random pinching will allow an average of 3 to 4 stems per plant (just above the 2nd set of true leaves). Space 6"x8" for this pinch.

For a double pinch or higher pinch than 2 sets of true leaves, a spacing of at least 7"x8" should be used.

APPROXIMATE NUMBER OF PLANTS REQUIRED FOR VARIOUS SPACINGS

3	"x6"	requires	800 plants per 100 sq. ft. bench space
3	"x4"	requires	1200 plants per 100 sq. ft. bench space
2 $\frac{1}{2}$	"x5"	requires	1150 plants per 100 sq. ft. bench space
6	"x6"	requires	400 plants per 100 sq. ft. bench space
6	"x8"	requires	300 plants per 100 sq. ft. bench space
7	"x8"	requires	260 plants per 100 sq. ft. bench space

FEEDING

We recommend the use of soluble fertilizer, as it is easier to control the crop and there is very little danger of crop injury. During the winter months when growth is slow and watering infrequent, we suggest that the plants be liquid fed with every **third watering**. During the bright spring, summer and early fall months when growth is rapid, we suggest that they be liquid fed with every **other watering**. Stop feeding when buds are visible, as fertilization from this point on will only produce excess grass and perhaps soft stems. A nitrate level of 50ppm (Spurway test) is recommended.

DRY FERTILIZER. One application of 4-12-4 at 2 lbs. to 3 lbs. per 100 sq. ft. of bed after plants are well established.

Yellowing or bronzing of lower foliage indicates lack of feed. Too much fertility causes soft growth, hollow stems and excess development of side shoots or grassiness.

TEMPERATURES

The best quality is produced at a cool temperature with allowance for lots of ventilation. Temperatures above 50° F. will mature the crop faster, but for each degree above 50° there will be a drop in quality. Night temperatures between 45° and 50° will assure good quality and most economical returns.

SUPPORTS

We find the use of adjustable supports an excellent method. Two sets of supports are ample for any uniform crop, make these adjustable and raise them as the plants grow.

For cloth house culture and summer Snaps in the greenhouse, 1 set of supports is sufficient, these should be raised every few days.

SECOND CROPPING

It is possible to practice second cropping after the first crop is cut off. Cut every other plant off at ground level which will leave a 6"x6" spacing, feed at once and they will produce a fine second crop. Another method that was successful in one range last spring was to take a putty knife and dig out every other plant and replace the soil, these plants were then placed in another bench at 6"x6" and both crops flowered with high quality spikes with the transplanted plants blooming about a week or ten days later than those in original bench.

SKIPS

A drop in temperature from 50° to 40° or lower for two or more nights when the buds are showing will cause skips in the flower spike, if plants are at low light intensity as during the dark winter months. Cyanide gas will also prevent normal development of buds.

DISEASES

We have noticed considerable plant loss the past few years in our visits to many greenhouses, this loss has been caused in the most part by Verticillium Wilt, also Rizoctonia Stem Rot has brought about high losses in other ranges. To control these diseases we advise you to follow the recommendations printed in circular No. 423 "Diseases of Commercial Florist Crops" printed by the Penna State University, College of Agriculture, Agriculture Extension Service, State College, Pa. Their recommendation follows below.

Control of Wilts: Treat seed with Semesan dust, take on the end of a toothpick or knife blade, Semesan dust equal in volume to a Tomato seed, place dust in seed packet and shake thoroughly so that the seeds are coated evenly with the dust. Plant seed in sterilized soil or vermiculite. Transfer seedlings to sterilized soil, taking care to prevent recontamination. Pots, benches and flats when NOT sterilized may be sources of contamination with the wilt organisms.

We suggest that this seed treatment be used on a trial basis only, as Semesan will retard germination.

POWDERY MILDEW

The leaves and often the stems become covered with white mold-like growth. **CONTROL:** Avoid excessive humidity, keep from splashing water on the foliage and allow plenty of ventilation. Spray with Mildex, 4 ozs. per 100 gals, and repeat in 5 to 7 days, apply when temperature is below 90° F. and when foliage is dry. More than two sprays may cause injury. We have also observed good results from the use of a spray consisting of $\frac{5}{8}$ oz. Baking Soda to 1 gal. water. Mildew may be prevented by dusting with Sulphur or spraying at 7-10 day intervals with wettable Sulphur, 2 lbs. per 100 gals. **DO NOT APPLY SULPHUR AFTER THE FLOWER BUDS START TO OPEN.**

DOWNY MILDEW

The undersides of the leaves and the stems become covered with patches of purplish-white mold-like growth. Keep foliage dry and humidity low, destroy all infected plants. Spray with Zineb (Parzate or Dithane Z-78) 1 lb. to 100 gals. at 5-10 day intervals.

RUST

Rust fungus appears as reddish-brown powdery pustules on leaves, stems and seed pods. Rust spores are spread by air currents or careless watering. Where rust has been prevalent, follow a good spray program and start when plants are 4" high.

CONTROL: Grow plants from seed only. Use Parzate, 2 lbs. per 100 gals.

SYMPHILIDS

These pest continue to plague the grower, the last few years have brought our attention to the damage they do and the cause is so often unknown to the grower. An infestation will damage the roots, causing the plants to stand still or grow poorly and sometimes die. They damage the plant by eating the root systems. Make several inspections if they are suspected, dig up several half sick plants and carefully break apart the root ball. Symphilids are $\frac{1}{8}$ " to $\frac{1}{2}$ " long and pure white with 12 pairs of legs and move very fast when thus exposed.

CONTROL: Lindane can be used in beds where plants are growing without disturbing the crop. Use 5 ozs. of a 25% wettable powder to 1,000 sq. ft. of bench.

FOR LATEST INFORMATION ON SNAPDRAGON CULTURE

The National Snapdragon Society is open for membership. Join this fine organization and you will receive all the latest information of Snap culture in their Snapdragon Bulletin which is printed twice a year. Dues are only \$5.00 per year for annual membership and \$10.00 per year for sustaining members (those who believe they receive more benefit than the average member). Send your dues to: Helen R. Windmiller, Sec'y., 2997 S. High St., Columbus 7, Ohio.

**This is the date you should sow seed at 50° F. night temperature to grow the seedlings to a height of 2" in the seed flats in order to have them ready to bench at the periods shown in the outer column.

§§This is the dates you should sow seed and grow on at a 60° F. night temperature in order to have plants ready to bench at the periods shown in the other column.

The benching dates are shown in the first column, as they are the dates that control the blooming dates. Blooming dates given are the date you should be starting your big cut. If fall weather is brighter and warmer than usual, Snaps will bloom prematurely.

FOOTNOTE — (1) From group M use only Christmas, Libby and Margaret for this season.

FOOTNOTE — (2) From this group use only Rockwoods Hybrid Pink No. 1, Rockwoods Hybrid White No. 5, 2nd Rockwoods Hybrid Yellow No. 10.

‡For summer timing — Rockwoods Crystal White, Lavender Rose and Smokey Bronze mature together; Summer Pink No. 1, Patsy Ann, Summer Yellow No. 1; and Sunshine will bloom ten days to two weeks later than dates given.

We suggest that white and pink only be grown during the period when Chrysanthemums are plentiful, as experience has shown that these two colors are in best demand at that season.

Rockwoods Hybrid White No. 5 and Hybrid Yellow No. 10 are excellent varieties to bloom in the period from early Sept. to Dec. 1st.

DON'T FORGET TO JOIN THE NATIONAL SNAPDRAGON SOCIETY

Approximate blooming dates when grown on raised benches, single stem at a night temperature of 50° F. Seedlings benched direct from the seed flats. Well grown plants pinched on the dates given below as the benching dates will bloom on somewhat the same schedule.

Benching Dates	** Sowing Dates at 50° temp.	§§ Sowing Dates at 60° temp.	Group E	Group M	Group L	Group S	Group HW †
July 1	June 1	June 1		(1) Aug. 15			
July 15	June 15	June 15		(1) Sept. 1			
Aug. 1		June 30		(1) Sept. 20	(2) Sept. 25		
Aug. 15		July 15		(1) Oct. 5	(2) Oct. 10		
Sept. 1		July 30	Nov. 5	Nov. 15	Dec. 1		
Sept. 15		Aug. 10	Dec. 20	Dec. 25	Jan. 10		
Oct. 1	Aug. 12	Aug. 25	Jan. 15	Jan. 25	Feb. 15		
Oct. 15	Aug. 20	Sept. 5	Feb. 20	Feb. 25	Mar. 10		
Nov. 1	Sept. 1	Sept. 20	Mar. 10	Mar. 15	Mar. 25	Apr. 10	
Nov. 15	Sept. 15	Oct. 5	Mar. 20	Apr. 1	Apr. 10	Apr. 15	
Dec. 1	Sept. 30	Oct. 20	Apr. 10	Apr. 20	Apr. 25	May 1	
Dec. 15	Oct. 10	Nov. 1	Apr. 20	May 1	May 5	May 10	
Jan. 1	Oct. 20	Nov. 15	May 1	May 10	May 15		
Jan. 15	Nov. 5	Dec. 1	May 15	May 20	May 25		
Feb. 1	Nov. 15	Dec. 15	May 15	May 20	May 25		May 20
Feb. 15	Dec. 1	Jan. 1	May 20	May 25	May 25		May 25
Mar. 1	Dec. 20	Jan. 13	May 25	June 1	June 1		June 1
Mar. 15	Jan. 10	Jan. 28		June 5	June 10		June 10
Apr. 1	Feb. 1	Feb. 15		June 10			June 10
Apr. 15	Feb. 20	Mar. 5					June 20
May 1	Mar. 10	Mar. 20					July 1
May 15	Apr. 1	Apr. 5					July 15
June 1	Apr. 20	Apr. 25					Aug. 1
June 15	May 10	May 10					Aug. 15

For proper varieties in each group, refer to H. G. GERMAN seed catalog.

A SUGGESTED TABLE FOR GRADING SNAPDRAGONS
STANDARD GRADES FOR SNAPDRAGONS

Material to be marketed under S.A.F. Standard Grades shall have reasonably straight stems, uniform, clean foliage free from insect and disease injury. The foliage shall be removed from the lower $\frac{1}{8}$ of the stems.

Each bunch shall contain the indicated number of stems. Only one color or variety shall be included in a bunch of graded material.

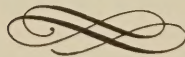
Each bunch shall bear a label of the specified color, imprinted S.A.F. Grade SPECIAL, S.A.F. Grade FANCY, S.A.F. Grade EXTRA or S.A.F. Grade FIRST, as the case may be, together with the name of the producer.

In addition, graded material shall conform to the following specifications:

Grade Name	Label Color	Weight per Spike (Ounces) Over-Including	Min. Open Flowers per Stem (Number)	Min. Stem Length (Inches)	Stems per Bunch (No.)
SPECIAL	Blue	$2\frac{1}{2}$ —4	15	36	12
FANCY	Red	$1\frac{1}{2}$ — $2\frac{1}{2}$	12	30	12
EXTRA	Green	1 — $1\frac{1}{2}$	9	24	12
FIRST	Yellow	$\frac{1}{2}$ —1	6	18	12

UTILITY The term Utility is not a grade within the meaning of these standards. Material which does not grade because of crooked stems, foliage injury or abnormal growth may be marketed under the designation UTILITY (White Label).

UNCLASSIFIED The term Unclassified is not a grade within the meaning of these standards but is provided as a designation to show that no definite grade has been applied to the lot.



H. G. GERMAN, SEEDS
GERMAN'S SEEDS GERMINATE
BOX N - SMETHPORT, PA.



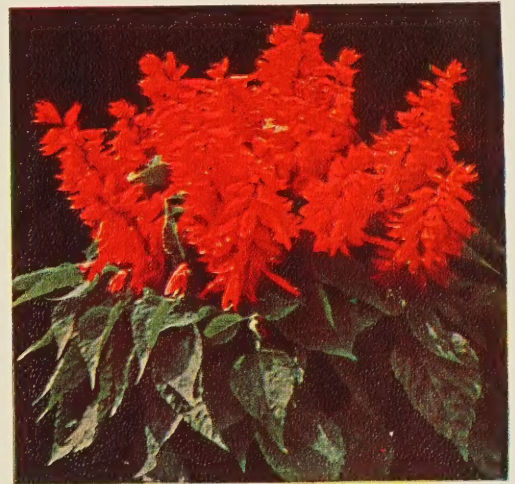
ZINNIA, PEPPERMINT STICK
Novelty striped flowers.



PETUNIA, BALLERINA
Single Grandiflora Hybrid. All-America Winner for 1952.
Vigorous, free-blooming, early. Dwarf, compact plant.



← **ZINNIA, BLAZE**
All-America Winner, 1954.



SALVIA, FIREWORKS
We predict this new variety will rapidly replace
St. John's Fire.



PRIMULA VERIS, COLOSSEA MIXED

Sales on this popular item are rapidly increasing. Page 24



STREPTOCARPUS, WIESMOOR HYBRIDS

Startling new pot-plant and cut flower. Page 18.



VERBENA

For descriptions and prices see page 19



BELLIS SUPER GIANTS (ENGLISH DAISY)

The new salmon shade will add greatly to the attractiveness of this ever popular item. Page 21.

H. G. GERMAN, Seeds

Florists' Flower Seeds

SMETHPORT, PENNSYLVANIA