

New Annual Flowers

1972 Annual Flower Varietal Trials

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The 1972 annual flower varietal trials and the evaluation of flower entries for the All-America Selections were conducted at the Flower Trial Gardens on the Virginia Polytechnic Institute and State University campus at Blacksburg.

All varieties were sown April 3 and 4 in metal flats containing a commercially prepared medium known as "Jiffy Mix".

After the seeds were sown, the flats were placed in a greenhouse at 70°F under a low pressure, intermittent mist system, set to mist for intervals of 5 seconds per minute from 8 am to 5 pm. As the seeds germinated, the flats were removed to a 60°F greenhouse. After they developed the second set of true leaves, seedlings of the small seeded varieties were transplanted into 2½" peat pots, containing equal parts of soil and peat moss.

Starting May 22, 1972, the plants were transplanted to outside beds previously fumigated with methyl bromide at the rate of 1 lb. per 100 sq. ft. to control weeds, diseases, insects, and nematodes. After all the plants had been set and the soil had crusted, the area was treated with 7.5 lb/A of DCPA (10 lbs. of Dacthal 75 W/A). Thanks are extended to Dr. James S. Coartney, Department of Plant Pathology and Physiology, Virginia Polytechnic Institute and State University, for his advice and help with weed control.

The weed control obtained by this program was excellent and very little hand labor was required to care for the beds. Spot spraying with Paraquat was done to edge the beds and to kill any weeds that did germinate. No injury to any of the flower varieties was observed.

The plot size for each variety was 6' x 7½', with 24 plants spaced at 1½' intervals. The beds were irrigated the first couple of weeks after planting and natural rainfall was sufficient during the growing season.

Plant height, width and growth habits were recorded August 16 and 17. This period was considered optimum for growth responses and esthetic characteristics for most varieties. Height and width measurements in the tables represent averages in inches.

The rating system was based on 1 to 5, with 1 a very poor rating and 5, excellent. Floriferous rating included: flower, color, size, number and uniformity. N/A means not applicable, with respect to plants grown for their attractive foliage, not flowers. Growth habit included growth characteristics and uniformity of each plant size within a given varietal plot, since there was considerable variation in some varieties. The overall rating was given in an attempt to combine all factors of floriferous and other growth characteristics into one evaluation.

In all instances, the varieties evaluated were compared with similar varieties and types. Therefore, there may be other varieties not present here that would be better types than those represented.

Suggested Annual Flowers for 1973

The following varieties were outstanding for 1972:

AGERATUM. Blue Heaven.

ASTER. King Branching Mixed, Rosered, Totem Pole, Mixed Colors and Triumph.

CALENDULA. Orange Coronet and Pacific-Beauty Mix No. 200.

CAPSICUM. Variegata.

CHRYSANTHEMUM. Golden Gem.

CLEOME. Helen Campbell, Rose Queen.

COSMOS. Early Klondyke, Lemon Crest and Sunset.

DAHLIA. Extra Dwarf Double Mixed.

DIANTHUS. China Doll, Queen of Hearts.

DUSTY MILLER. Hoar Frost.

GAZANIA. Splendens Grandiflora Mix.

GERANIUM. Carefree, Deep Salmon, Scarlet, New Era, Blush White.

HELIANTHUS. Golden Glow.

HOLLYHOCK. Summer Carnival and Silver Puffs.

HUNNEMANNIA. Sunlite.

IMPATIENS. Elfin Rose, Garnet, Imp. Hybrids Mixed and Scarlet.

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Cooperative Extension Service

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LOBELIA. Blue Stone.

MARIGOLD. Bolero, Carina, Gypsy Dancer, Happy Face, Lulu, Man in the Moon, Mission Giant Yellowstone, Orange Delight, Paprika and Ruffled Red.

NICOTIANA. Daylight Mix.

PANSY. Golden Champion.

PERILLA. Nankinensis Crispa Compacta.

PETUNIA. Grandiflora: Fiesta, Pink Cascade, Pink Paradise, Rose Perfection and Snow Crystal.

Multiflora: Pink Bountiful, Salmon Coronet and Sugar Plum.

PORTULACA. Red and White.

RUDBECKIA. Dwarf Sun.

SALVIA. Baltzer's White, Fireball and Snowkist.

SNAPDRAGON. Bronze Rocket and Frontier Strain White.

TITHONIA. Torch.

ZINNIA. Cupid Mixture.

<u>Variety</u>	<u>Seed Source</u>	<u>Height Inches</u>	<u>Width Inches</u>	<u>Flori-ferous</u>	<u>Growth Habit</u>	<u>Overall Rating</u>
<u>Acrolinium</u>						
New Double Giants	GE	20	13	2	1	1
<u>Agathaea</u>						
Coelestis	GE	9	12	1	3	3
<u>Ageratum</u>						
Blue Angel	SK, GL	9	15	31	3	3
Blue Bird	GR, GL	6	11	4	2	3
Blue Heaven	HA	9	15	4	4	4
Royal Blazer	GO, VA	9	12	3	3	3
<u>Amaranthus</u>						
Burgundy	GL	9	7	1	1	1
<u>Arctotis</u>						
Hybrids, Large Flwd.	FL	13	19	3	3	3

<u>Variety</u>	<u>Seed Source</u>	<u>Height Inches</u>	<u>Width Inches</u>	<u>Flori-ferous</u>	<u>Growth Habits</u>	<u>Overall Rating</u>
<u>Aster</u>						
Color Carpet Mix	GE	5	4	1	1	1
Dwarf White	GL	13	13	5	3	3
Early Princess Mixed	GL	24	16	4	3	3
Fiery Red	GL	22	13	3	3	3
Giant Princess Christa	GL	19	11	4	2	2
Giant Princess Dita	GL	19	8	2	1	1
Giant Princess Floriude	GL	20	14	3	3	3
Giant Princess Mixed	GL	22	16	2	1	1
Giant Princess Rotraud	GL	23	18	1	1	1
Giant Princess Sonja	GL	25	11	1	1	1
Giant Radiance Mixed	GL	21	12	1	1	1
King Branching Mixed	BO, GL	26	25	4	4	4
Lilliput Mixed	GL	16	7	5	1	1
Milady Dark Blue	GL	9	7	1	1	1
Milady Rose	GL	10	8	1	1	1
Needle Type Mixed	GL	29	20	3	1	1
Pepite Mixed	GL	12	10	5	1	1
Pink Lady	GE, GL	23	13	4	1	1
Pompon Mixed	GL	14	6	3	1	1
Princess Eva	GL	20	6	3	1	1
Princess Mixed	GL	26	9	4	1	1
Princess Rosalinde	GL	29	17	4	3	2
Princess Victoria	GL	19	11	3	2	2
Prinze B Flora	GL	22	9	3	3	3
Rosered	GL	13	9	5	5	5
Salome Mix	GL	19	3	4	4	3
St. Johns Day Mixed	GL	Dead				
Scarlet	GL	Dead				
Sensation Mixed	GL	13	9	1	1	1
Super Princess Salmon						
Rose	GL	10	6	1	1	1
Swansdown	HA	16	13	3	3	3
Totem Pole, Mixed	BU	21	16	5	5	5
Colors						
Triumph	GL	19	10	5	5	5
<u>Balsam</u>						
Dble. Dwf. Bush Flw. Mix	GE	17	8	2	2	2
Dwf. Spotted Mixture	SK, GL	10	3	1	1	1
Princess Sakura	GL	19	13	3	3	3
Tom Thumb, Extra Dwf. Mixed	VA	7	3	1	1	1
<u>Cabbage</u>						
Flowering Mix	GE	14	20	N/A	3	3
<u>Calendula</u>						
Dwarf Double	BU	13	15	2	1	1
Orange Coronet	GE	10	10	1	1	1
Orange with Black Center	PK	3	13	1	1	1

<u>Variety</u>	<u>Seed Source</u>	<u>Height Inches</u>	<u>Width Inches</u>	<u>Flori-ferous</u>	<u>Growth Habits</u>	<u>Overall Rating</u>
<u>Calliopsis</u>						
Dwarf Mix	GE	18	15	5	3	3
<u>Capsicum</u>						
Black Prince	SK, GL	14	15	3	3	3
Variegata	SK, GL	16	16	3	3	3
<u>Carnation</u>						
Chabaub White	GE	17	15	3	3	3
<u>Celosia</u>						
Mixed	GL					
Orange Feather	FL	6	6	1	1	1
Oriental Glory	GL	12	5	1	1	1
Red Flame	GL	18	10	1	1	1
Red Fox	SK, GL	9	5	2	2	2
Yellow Flame	GL	7	7	1	1	1
<u>Chrysanthemum</u>						
Autumn Glory Mixed Colors	SK	12	14	2	2	2
Fanfare	SK	17	11	1	1	1
Golden Dream	SK, GL	23	11	2	2	2
Golden Gem	PK	21	16	5	4	4
<u>Clarkia</u>						
Elegans Double Mix	GE	20	16	2	2	2
<u>Cleome</u>						
Helen Campbell	HA	32	25	5	5	5
Rose Queen	HA	36	28	5	5	5
<u>Coleus</u>						
Atlas	SK	13	11	2	2	2
Fringed Rainbow Mixed	VA	10	9	2	2	2
Golden or White Lace	GR	9	7	3	3	3
Lacinated Leaved Mix	GE	9	9	3	3	3
Large Leaved Mixed	GL	10	11	3	3	3
Magic Lace Mixture	GR	6	6	1	1	1
Multicolor	FL	11	8	2	2	2
Orange	GR	7	4	1	1	1
<u>Coral Flower</u>						
Coral Flower	GE	29	15	4	4	4
<u>Cosmos</u>						
Candystripe	SK, GL	18	8	2	1	1

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<u>Crepe Myrtle</u>						
Annual Flowering	SK, GL	12	8	1	1	1
Myrtlettes	PK	12	12	1	2	2
<u>Dahlia</u>						
Ext. Dwf. Dble. Mix	VA	13	15	4	5	4
<u>Dianthus</u>						
China Doll	GO	10	13	3	3	3
Queen of Hearts	GO	15	8	3	3	3
Single Gaiety	GL	8	6	2	2	2
Snowflake	GO	4	4	2	2	2
<u>Dimorphotheca</u>						
Aurantiaca Mix	GE	12	14	2	2	2
<u>Dusty Miller</u>						
Hoar Frost	GE	14	15	N/A	4	4
<u>Gazania</u>						
Splendens Grandiflora Mix	GE	11	13	4	4	4
<u>Geranium</u>						
Carefree Bright Pink	PA	14	12	2	2	2
Carefree Crimson	PA	15	11	3	3	3
Carefree Deep Salmon	PA	13	12	3	4	4
Carefree Fickle Scarlet	PA	15	9	1	2	2
Carefree Rose	PA, GL	11	10	1	3	3
Carefree Scarlet	PA	15	13	4	4	4
Carefree White	PA	15	13	1	3	3
Little Big Shots Mixed	PK	11	8	1	2	2
New Era Blush White	HA	12	12	4	4	4
New Era Bright Red	HA	13	8	2	2	2
New Era Light Salmon	HA	9	12	1	1	1
New Era Medium Salmon	HA	15	11	3	3	3
New Era Pastel Pink	HA	12	7	2	2	2
Sprinter	GO	14	13	3	2	2
<u>Gilia</u>						
Coronopifolia	GE	24	4	2	2	2
<u>Godetia</u>						
Dwarf Double Mix	GE	14	8	2	2	2
<u>Helianthus</u>						
Golden Glow	GL	16	10	4	4	4

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<u>Impatiens</u>						
Burgandy	GR	3	15	2	2	2
Elfin Crimson	PA	5	10	2	2	2
Elfin Fuchsia	PA	9	10	2	2	2
Elfin Orange	PA	7	13	3	3	3
Elfin Orchid	PA	7	15	3	3	3
Elfin Pink	PA	4	12	4	4	4
Elfin Rose	PA	9	20	5	5	5
Firebaby	GL	7	15	3	3	3
Flame	GR	9	16	4	3	3
Garnet	GR	9	18	5	4	4
Imp. Formula Mixture	FL	3	16	4	3	3
Imp. Hybrids Mixed	VA	3	14	4	4	4
Rubis	GR	10	15	4	3	3
Salmon Baby	GL	7	14	3	3	3
Scarlet	PK	5	14	4	4	4
<u>Linaria</u>						
Fairy Bouquet Imp.	GE	10	10	1	3	3
<u>Lobelia</u>						
Blue Stone	FL	3	15	5	5	5
White Lady	FL	3	14	5	4	4
<u>Marigold</u>						
Bright Night	GL	9	8	3	3	3
Bolero	VA	10	13	4	4	4
Brocade Mixed	BO, GL	12	15	4	3	3
Carina	GL	14	18	5	4	4
Golden	GL	13	9	1	1	1
Gypsy Dancer	HA	12	13	3	4	4
Happy Face	BO	15	15	4	4	4
Lulu	GE	14	16	5	5	5
Man in the Moon	GE	23	16	3	4	4
Mission Giant Yellowstone	GE	26	13	4	4	4
Moonshot	VA	16	14	3	3	3
Odorless Mixed Colors	BU	19	16	1	1	1
Opryland Mixed Colors	BU	13	14	2	2	2
Orange Delight	GR	12	13	2	5	4
Paprika	BO, GR	12	13	5	4	4
Ruffled Red	GE	13	14	4	4	4
Spanish Brocade	VA	12	12	2	2	2
Yellow Brocade	GR	12	15	3	3	3
<u>Mirabilis Jalapa</u>						
Jingles	SK, GL	13	15	3	3	3
<u>Nasturtium</u>						
Whirlybird Scarlet	GL	12	17	2	3	3

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<u>Nicotiana</u>						
Daylight Mix	GE	34	22	4	4	4
Red Goddess	GL	3	3	2	2	2
<u>Nigella</u>						
Miss Jekyll	GE	11	9	2	2	2
<u>Pansy</u>						
Golden Champion	GR	7	7	4	4	4
Majestic Giants Mixed	VA	3	3	3	3	3
<u>Petunia (Grandiflora)</u>						
Ambassador	SK	10	9	2	2	2
Apollo	GO	15	11	2	2	2
Appleblossom	PA	10	9	1	1	1
Astro	GO, VA	11	11	2	2	2
Ballerina	PA	13	15	2	2	2
Blue Grotto	HA	11	13	3	3	3
Blue Picotee	SK	9	14	3	3	3
Bravo	GO	14	13	2	3	3
Bridesmaid	GO	13	12	4	3	4
Burgundy	GO, GL	17	17	4	4	4
Calypso	PA	15	16	4	4	4
Candy Apple	GO, VA	13	15	3	4	4
Chiffon Cascade	PA	11	17	4	4	4
Cloud Mixture	GO	9	12	3	3	3
Coral Cascade	PA	9	9	1	1	1
Coral Magic	PA	12	13	2	2	2
El Toro	PA	13	14	3	3	3
Fandango	PA	12	15	3	3	3
Fiesta	GO	21	19	5	5	5
Flounce	SK	12	13	2	2	2
Gay Paris	GO	13	14	3	3	3
Glacier	GO, VA	14	14	3	3	3
Happiness	GO, VA	10	10	2	2	2
Harvest Moon	GO	12	13	3	3	3
Imperator	SK	3	9	1	1	1
Malibu Imp.	GO	15	15	3	3	3
Mariner	GO, VA	10	13	2	2	2
Matador	PA	15	10	1	1	1
Orchid Cloud	GO	9	11	2	2	2
Parti-Pink	BA	12	14	4	4	4
Pink Cameo	HA	12	13	4	4	4
Pink Cascade	PA	12	13	5	5	5
Pink Cloud	GO	14	13	4	4	4
Pink Magic	PA	11	12	4	4	4
Pink Paradise	HA	14	14	5	5	5
Pink Snow	PA	12	13	4	4	4
Prima Donna	PA	13	14	3	3	3

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Polynesia	GO	13	14	3	3	3
Razzle-Dazzle	GO	12	15	3	3	3
Recoverer	SK	3	11	1	1	1
Red Baron	BA	6	8	1	1	1
Red Cascade	PA	11	12	2	2	2
Red Cloud	GO	10	11	2	2	2
Red Magic	PA	14	14	3	3	3
Rose Cloud	GO	15	16	3	3	3
Rose Ensign	SK	12	14	3	3	3
Rose Magic	PA	14	13	2	2	2
Rose Perfection	HA	11	15	5	5	5
Royal Cascade	PA, GL	14	15	2	2	2
Royal Velvet	HA	9	10	2	2	2
Salmon Ensign	SK	9	11	2	2	2
Scorpio	HA	6	12	2	2	2
Sky Magic	PA	13	16	3	3	3
Snow Crystal	GR	15	15	5	5	5
Snow Lady Imp.	SK	16	13	4	4	4
Snow Magic	PA	13	17	3	3	3
Spectrum	GO, VA	14	16	3	3	3
Sugar Daddy	PA	16	16	4	4	4
Sunburst	PA	11	15	2	2	2
Taurus	HA	13	14	3	3	3
Telstar	GO, GL	13	12	1	1	1
Tickled Pink	HA	13	14	3	3	3
Touche	BA	13	17	4	4	4
Warrior	HA	11	12	2	2	2
White Cascade	PA	12	15	2	2	2
White Magic	PA	15	15	4	4	4
Zig Zag	HA	10	10	3	3	3
<u>Petunia (Multiflora)</u>						
Blue Lagoon	HA	19	20	4	4	4
Blue Mist	HA	21	22	4	4	4
Bo Peep	HA	12	13	3	3	3
Candy Plum	HA	14	15	3	3	3
Coral Bells	PA	10	8	1	1	1
Joy Mixture	GO	12	16	3	3	3
Mauna Loa	SK	11	8	2	2	2
Maxi	PK	3	10	3	3	3
Meteor Improved	PA	11	11	4	4	4
Orange Bells	PA	11	13	4	4	4
Paleface	PA	15	16	3	3	3
Pink Bountiful	HA	12	16	5	5	5
Pink Cheer	HA	15	16	2	4	3
Pink Joy	GO	12	17	4	4	4
Plum Blue Improved	GO	16	16	4	4	4
Plum Pink	GO	13	15	4	4	4

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Plum Purple	GO	16	19	4	4	4
Plum Pudding	GO	17	20	3	3	3
Purple Joy	GO	13	19	4	4	4
Red E	BO	9	9	1	1	1
Red Pepper	HA	11	13	3	3	3
Rose Joy Improved	GO	13	13	3	3	3
Salmon Coronet	SK	15	17	5	5	5
Snowdrift	HA	20	21	4	4	4
Starfire	GO	14	15	2	2	2
Star Joy	GO	17	13	3	3	3
Sugar Plum	PA	19	19	5	5	5
Sundance	HA	13	16	2	2	2
Victory	HA	10	13	2	2	2
White Joy	GO, VA	14	13	2	2	2
Blue Danube	PA	13	15	2	4	3
Bridal Bouquet	GO, VA	6	8	1	1	1
Circus	GO	13	13	3	3	3
Duet	PA	13	16	2	2	2
Fanfare	GO, VA	11	13	3	3	3
Orchid Bouquet	GO, GL	16	19	3	3	3
Salmon Bouquet	GO, GL	12	16	4	4	4
Sonata	PA	15	15	3	4	4
Valentine	PA	13	13	2	3	3
<u>Petunia (Double Multiflora)</u>						
Blue Empress	SK	13	15	2	2	2
Cherry Tart	PA	16	17	3	2	2
Delight Mix	GO	20	13	4	4	4
Peach Tart	PA	19	19	4	4	4
Pink Delight	GO	13	14	3	3	3
Red & White Delight	GO	15	15	4	5	4
Salmon Delight	GO	15	17	4	4	4
Scarlet Empress	SK	17	13	3	3	3
Snowberry Tart	PA	10	19	4	4	4
White Delight	GO	15	14	3	3	3
<u>Petunia (All Double Giant)</u>						
Duchesse	GR	3	13	3	3	3
<u>Portulaca</u>						
Cream	PK	6	20	4	4	4
Double Mix	VA	3	15	3	3	3
Gold	PK	3	19	4	4	4
Mixed	PK	3	13	4	4	4
Pink	PK	6	16	4	4	4
Red	PK	9	13	5	5	5
White	PK	9	20	5	5	5
Yellow	PK	7	16	3	3	3

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<u>Pyrethrum</u>						
Parthenifolium aureum	GE	13	16	5	4	4
<u>Rudbeckia</u>						
Dwarf Sun	GE	26	24	5	5	5
<u>Salpiglossis</u>						
Emperor Mix	GE	17	6	1	1	1
<u>Salvia</u>						
Baltzer's White	GE	15	12	5	5	5
Blaze of Fire	GL	13	14	5	4	4
Bonfire Elite	HA	24	16	4	4	4
Cotima	GL	19	13	5	5	5
Delight	GL	13	10	2	2	2
Fireball	FL	22	13	5	5	5
Fire Dance	GL	21	19	3	4	4
Fire King	GL	12	12	2	2	2
Hot Jazz	GL	13	12	2	2	2
Little Red Riding Hood	GL	14	13	3	3	3
Microphylla	GE	13	9	1	1	1
Red Pompei	VA	15	16	4	4	4
Regal Spires	HA	20	14	3	3	3
Royal Mountie	VA	14	16	4	4	4
Snowkist	GL, SK	18	14	5	5	5
Snow Tip	GE	13	11	2	2	2
<u>Sanvitlia</u>						
Procumbens	GE	11	Massed	5	5	5
<u>Snapdragon</u>						
Bronze Rocket	PA	29	13	5	5	5
Golden Rocket	PA	18	10	4	4	4
White Rocket	PA	29	13	4	4	4
Bright Butterflies	GO, VA	29	9	4	4	4
Crimson Supreme	BU	20	13	4	3	3
Floral Carpet Mix	VA	13	13	1	2	2
Little Darling	GO	13	8	2	2	2
Madame Butterfly	GO, VA	12	13	3	3	3
Mixed Colors	HA	11	11	3	3	3
Frontier, Strain, Mixed Colors	HA	21	14	3	3	3
Frontier, Strain, Orange	HA	20	17	4	4	4
Frontier, Strain, Rose	HA	25	13	5	5	5
Frontier, Strain, White	HA	19	15	4	4	4

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<u>Tahoka Daisy</u>						
Tahoka Daisy	GE	17	14	2	2	2
<u>Tithonia</u>						
Torch	GE	48	30	5	5	5
<u>Verbena</u>						
Dwf. Ideal Florist Mix	VA	9	11	2	2	2
Dwf. Mixed	GL	11	11	2	2	2
Germania Dwf. Mix	GE	11	14	1	1	1
Venosa	GE	11	13	3	2	2
<u>Zinnia</u>						
Borden Beauties	GL	14	13	4	4	4
Carved Ivory	BO	20	15	4	4	4
Cupid Mix	GE	20	20	5	5	5
Fantasy Mix	GE	22	18	4	4	4
Linearis	GE	13	18	5	4	4
Linearis, Orange	BO, GL	14	17	5	4	4
Mini-Salmon	BO	6	9	1	1	1
Peter Pan Mixture	BO, GL	13	16	1	1	1
Scarlet	BO	13	11	1	1	1
State Fair Mixed	VA	20	17	2	2	2
Thumbelina Mixed	VA	12	10	2	2	2
Tom Thumb Mix	GE	22	24	3	3	3

All-America Selections

		<u>Height Inches</u>	<u>Width Inches</u>	<u>Flori- ferous</u>	<u>Growth Habits</u>	<u>Overall Rating</u>
72F01	Pansy	3	3	1	1	1
72F01C	Pansy, Swiss Giant Orange	6	6	2	2	2
72F02C	Pansy, Swiss Gt. Detete Blue	5	6	1	1	1
72F03	Geranium	15	9	2	2	2
72F03C	Geranium, Carefree Deep Salmon	15	14	4	4	4
72F04	Geranium	16	13	4	4	4
72F041C	Geranium, New Era	13	14	4	5	5
72F04C2	Geranium, Carefree Fickle Scarlet	14	13	3	3	3
72F05	Geranium	13	15	3	4	4
72F05C	Geranium, Carefree Scarlet	17	15	4	4	4
72F06	Nicotiana	27	22	5	5	5
72F06C	Nicotiana, Crimson Bedder	24	18	4	3	4
72F07	Nicotiana	20	13	5	4	4
72F07C	Nicotiana, White Bedder	25	20	5	5	5
72F08C	Nicotiana, Sessation Hybrids	30	20	5	5	5
72F10	Cosmos	21	17	3	3	3
72F10C	Cosmos, Sunset	20	14	3	3	3
72F11	Salvia	16	9	2	2	2
72F11C	Salvia, Sight Delight	17	14	2	2	2
72F12	Snapdragon	10	12	1	1	1
72F13	Carnation	10	10	4	3	3
72F13C	Carnation, Fragrance	17	17	3	4	4
72F14	Dianthus	5	6	1	1	1
72F15	Centaurea	16	13	3	2	2
72F15C	Centaurea, Polka Dot	25	14	3	3	3
72F16	Morning Glory	6	7	1	1	1
72F16C	Morning Glory, Early Call Rose	6	10	1	1	1
72F17	Marigold	15	15	3	4	4
72F17C	Marigold, Petite Orange	10	13	2	2	2

		<u>Height Inches</u>	<u>Width Inches</u>	<u>Flori- ferous</u>	<u>Growth Habits</u>	<u>Overall Rating</u>
72F18	Marigold	13	14	3	3	3
72F18C	Marigold, Picador	15	15	3	3	3
72F19	Marigold	14	17	3	3	3
72F19C	Marigold, Gypsy Dancer	11	14	3	2	2
72F20	Marigold	16	15	3	3	3
72F20C	Marigold, King Tut	11	12	3	2	2
72F21	Marigold	9	11	3	3	3
72F21C	Marigold, Fiesta	12	13	4	4	4
72F22	Marigold	12	13	3	3	3
72F22C	Marigold, Yellow Nugget	10	12	2	2	2
72F23	Marigold	12	13	2	2	2
72F23C	Marigold, Red Glow	12	12	2	2	2
72F24	Marigold	12	10	2	2	2
72F24C	Marigold, Apollo	13	12	3	3	3
72F25	Marigold	13	10	3	3	3
72F25C	Marigold, Golden Age	15	11	3	3	3
72F26	Marigold	20	13	4	4	4
72F26C	Marigold, Hawaii	19	15	3	3	3
72F27	Marigold	9	11	2	1	1
72F27C	Marigold, Moonshot	20	16	3	3	3
72F28	Marigold	11	12	1	1	1
72F28C	Marigold, Crackerjack	24	20	3	3	3
72F29	Marigold	10	10	1	1	1
72F30	Marigold	10	10	2	2	2
72F30C	Marigold, Orange Jubilee	14	15	4	3	3
72F31	Dahlia	17	13	4	4	4
72F31G1	Dahlia, Early Bird	15	11	2	2	2
72F31G2	Dahlia, Fall Festival	20	14	3	3	3
72F32G1	Dahlia, Mignon Mixed	13	13	2	2	2
72F32G2	Dahlia, Early Bird	15	16	3	3	3
72F33	Calendula	16	13	1	1	1
72F33C	Calendula, Orange Coronet	14	13	3	2	2
72F34	Zinnia	11	13	3	2	2
72F34C	Zinnia, Peter Pan Pink	14	13	3	2	2

		<u>Height Inches</u>	<u>Width Inches</u>	<u>Flori- ferous</u>	<u>Growth Habits</u>	<u>Overall Rating</u>
72F35	Zinnia	12	11	2	2	2
72F36	Zinnia	13	12	4	4	4
72F38	Nasturtium	12	17	3	3	3
72F30C	Nasturtium, Scarlet Jewel	15	17	4	4	4

AAS - Demonstration

1971 Winners

Hibiscus, Southern Belle	25	14	0	3	3
Hollyhock, Silver Puffs	25	14	4	4	4
Zinnia, Peter Pan Pink	10	11	3	3	3
Zinnia, Peter Pan Plum	16	14	2	2	2

1972 Winners

Hollyhock, Summer Carnival	56	30	4	4	4
Marigold, Gold Galore	20	16	4	4	4

1973 Winners

Marigold, Happy Face	10	16	3	3	3
Zinnia, Peter Pan Scarlet	16	16	3	3	3

SOURCE OF SEEDS

AAS	-	<u>All-American Selections, P. O. Box E Kingston, Rhode Island 02881.</u>
BA	-	<u>Geo. J. Ball, Inc., West Chicago, Illinois 60185</u>
BO	-	<u>Bodger Seeds, Ltd., Box 390, El Monte, California 91734</u>
BU	-	<u>W. Atlee Burpee Co., Philadelphia, Pennsylvania</u>
FL	-	<u>Raymond A. Fleck, Inc., Southampton, Pennsylvania 18956</u>
GE	-	<u>Germania Seed Co., 5952 North Milwaukee Avenue, Chicago, Illinois 60646</u>
GL	-	<u>Fred C. Gloeckner Co., Inc., 15 East 26th Street, New York, New York 10010</u>
GO	-	<u>Goldsmith Seeds, Inc., P. O. Box 1347, Gilroy, California 95020</u>
HA	-	<u>Joseph Harris Co., Inc., Moreton Farm, Rochester, New York 14624</u>
PA	-	<u>Pan-American Seed Co., P. O. Box 439, West Chicago, Illinois 60185</u>
PK	-	<u>Geo. W. Park Seed Co., Inc., Greenwood, South Carolina 29647</u>
SK	-	<u>T. Sakata & Co., 2 Kiribatake, Kanagawa-ku. P. O. Box Kanagawa, No. 11 Yokohama, Japan</u>
VA	-	<u>Vaughn's Seed Company, 5300 Katrine Avenue, Downers Grove, Illinois 60515</u>

Trade and brand names are used only for the purpose of information and the Virginia Cooperative Extension Service does not guarantee nor warrant the standard of the product, nor does it imply approval of the product to the exclusion of others which may also be suitable.

KEYS TO PROPER USE OF PESTICIDES

1. Read the label on each pesticide container before each use. Follow instructions to the letter; heed all cautions and warnings, and note precautions about residues.
2. Keep pesticides in the containers in which you bought them. Put them where children or animals cannot get to them, preferably under lock and away from food, feed, seed or other material that may become harmful if contaminated.
3. Dispose of empty containers in the manner specified on the label. If disposal instructions are not printed on the label, burn the containers where smoke will not be a hazard, or bury them at least 18" deep in a place where water supplies will not be contaminated.

SEE YOUR DOCTOR IF SYMPTOMS OF ILLNESS OCCUR DURING OR AFTER USE OF PESTICIDES.

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November, 1972

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