

KENTUCKY HARDY CHRYSANTHEMUM

VARIETY TRIALS

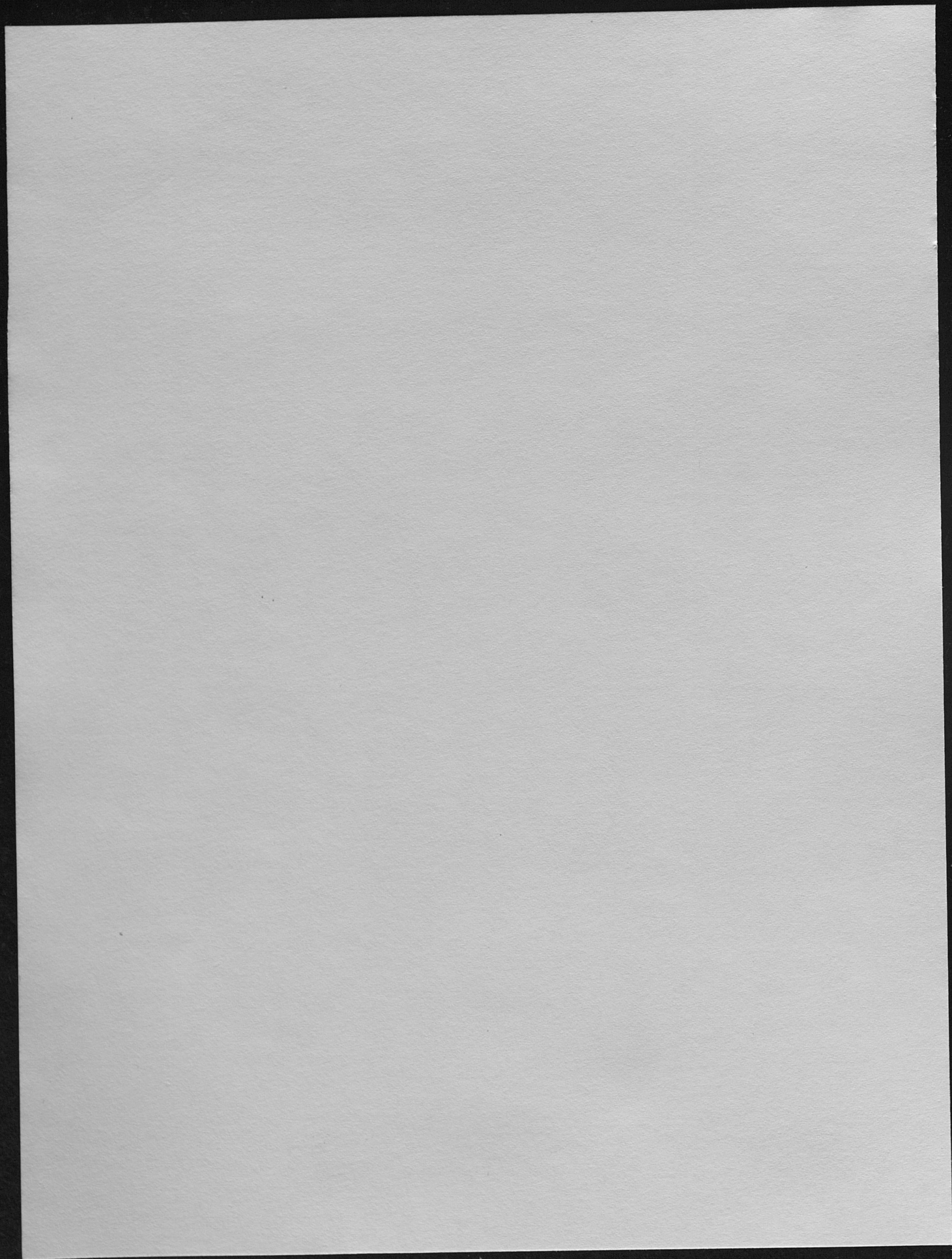
1965

J. W. Buxton and T. E. Pope

Progress Report 163

UNIVERSITY OF KENTUCKY
AGRICULTURAL EXPERIMENT STATION

Department of Horticulture
Lexington



KENTUCKY HARDY CHRYSANTHEMUM VARIETY TRIALS, 1965

J. W. Buxton and T. E. Pope

Each year many varieties of hardy chrysanthemums are available to the general public. The trial garden at the University of Kentucky Experiment Station in 1965 offered the opportunity for interested visitors to compare colors, shapes, and general growth characteristics of many chrysanthemums grown under local environmental conditions.

The trial area in the garden was laid off in 5-foot wide beds with a 5-foot grass walkway between beds. During the first week of June 1965 1 $\frac{1}{4}$ -mil black polyethylene plastic was placed over the chrysanthemum beds. Rooted cuttings of 115 varieties of chrysanthemums were obtained from producers and were transplanted through a slit made in the plastic. The plastic was used to control weeds and also to retain soil moisture. Ten plants of each variety, spaced 18 inches apart, were placed in each plot. The plants were pinched twice, first when 3 or 4 pair of leaves were formed, and second when 3 or 4 pairs of leaves were formed on the first breaks. The plants were watered several times immediately after planting and were watered only one other time. The plants were fertilized twice during the summer.

Records were kept on the beginning of the flowering period, the height, winter hardiness, and public acceptance of each variety. Winter hardiness was recorded as the percentage of the 10 original plants that had one or more green sprouts during the last week of April. On October 10, forms were handed out to the public visiting the trial garden. The public was asked to list their 10 favorite varieties. On page 12 are listed the 20 varieties which received the most votes. Although some varieties were past their prime and others were not yet flowering, most of the varieties were in good condition when ratings were made. Those varieties not in bloom on this date are listed as not in bloom.

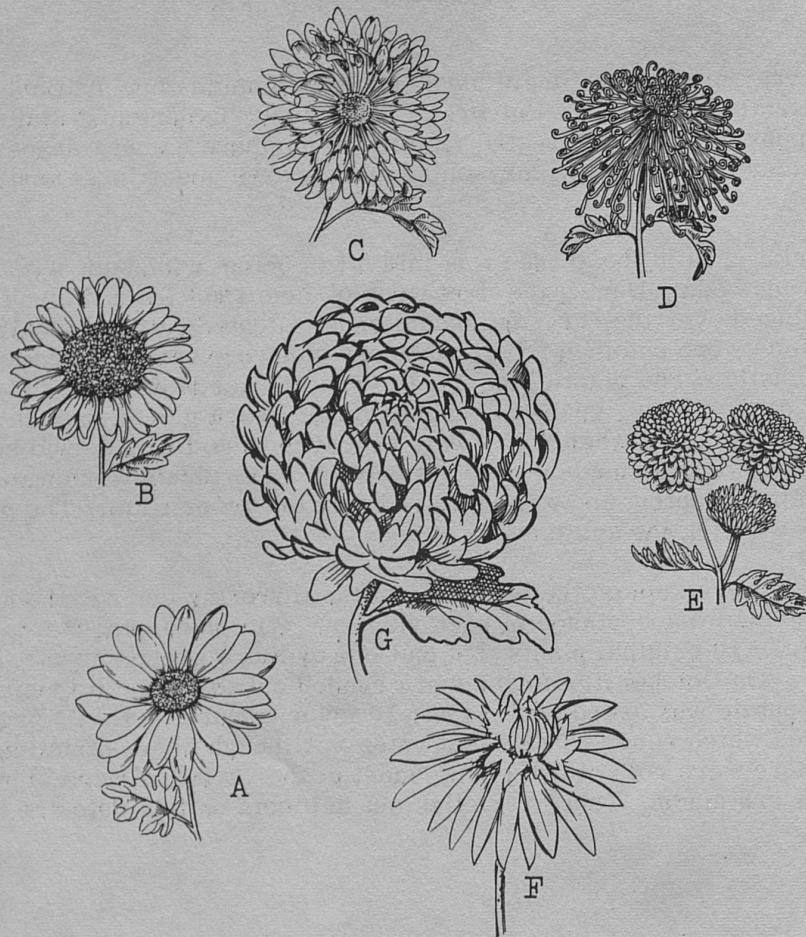


Fig. 1.--Some types of chrysanthemums: A, single; B, anemone; C, spoon; D, spider; E, pompom; F, decorative; G, standard.

(Illustration from Louisiana State University Agricultural Experiment Station Bulletin 554, "Chrysanthemums," by T.E. Pope, C.S. Blackwell, R.H. Hanchey and W.D. Kimbrough.)

COLOR & VARIETY	START OF FLOWERING PERIOD, 1965	HEIGHT IN INCHES	COLOR	FLOWER TYPE**	% HARDI-NESS 1965	% HARDI-NESS 1966	RATING BY PUBLIC - OCT. 10, 1965
<u>Purple & Lavender</u>							
Accolade	Oct. 10	28-30	Lavender	Intermediate Decorative	40	10	
Comet BGA	Oct. 22	17-18	Lavender with Yellow Center	Small Anemone	50	-*	Not in bloom Oct. 10
Coquette	Sept. 17	15	Light Lavender	Small Pompon	35	0	
Fuchsia Fairy #2	Oct. 15	12-15	Lavender	Small Decorative Cushion	75	70	Not in bloom Oct. 10
Fury	Oct. 10	22-24	Purple	Intermediate Decorative	60	0	
Helen Bogue	Sept. 10	24	Lavender	Large Decorative	100	70	
Masquerade	Oct. 22	21-22	Light Lavender	Small Button	-	-	Not in bloom Oct. 10
Mischief	Oct. 22	22-23	Maroon with Yellow Center	Small Single	0	30	Not in bloom Oct. 10
Purple-Dusk	Oct. 1	12	Purple	Small Decorative	50	0	
Purple Pirate	Sept. 24	18-20	Purple	Small Decorative Cushion	35	0	
Purple Waters	Sept. 24	18	Purple	Intermediate Pompon	0	70	
Raspberry Ice BGA	Oct. 15	23-24	Bright Pinkish-Lavender	Small Pompon	40	-	Not in bloom Oct. 10
Spellbound	Oct. 10	18-20	Lavender	Intermediate Decorative	20	-	
Telltale	Oct. 10	12	Dark Lavender	Small Pompon	10	30	
<u>Pink</u>							
Ann Ladygo	Oct. 10	15-18	Pink with Yellowish Pink Center	Small Anemone	-	100	
Artists Delight	Oct. 1	20-24	Yellowish Pink	Intermediate Decorative	10	-	
Betty	Oct. 15		Pink	Large Decorative	70	-	Not in bloom Oct. 10

* - Not grown this year ** See page 4

COLOR & VARIETY	START OF FLOWERING PERIOD, 1965	HEIGHT IN INCHES	COLOR	FLOWER TYPE**	% HARDINESS 1965	% HARDINESS 1966	RATING BY PUBLIC - OCT. 10, 1965
<u>Pink (continued)</u>							
Jewelstone	Oct. 15	20-24	Bright Pink	Small Pompon	20	-	Not in bloom Oct. 10
Joybringer	Oct. 15	16-17	Salmon-Pink	Small Pompon	40	40	Not in bloom Oct. 10
Loveliness	Oct. 1	18-20	Pink	Intermediate Spoon Spreading Habit	40	30	
Major Cushion	Oct. 15	20	Pink	Small Decorative	10	0	Not in bloom Oct. 10
Mango	Oct. 15	15-18	Dark Pink with Yellowish Center	Small Anemone	10	-	Not in bloom Oct. 10
Millionaire	Oct. 10	22-24	Pink	Intermediate Decorative Spreading	60	100	
Minnehaha	Oct. 1	18-20	Bright Yellow Pink	Small Decorative	0	0	
Minnpink	Oct. 1	12-15	Pink	Small Decorative	30	-	
Pat Lehman	Oct. 10	20-24	Yellowish Pink	Large Decorative	30	-	
Pink Chief	Oct. 15		Deep Pink	Large Incurve	0	70	Not in bloom Oct. 10
Pinknificent	Oct. 15	26-28	Light Lavender Pink	Intermediate Decorative Spoon Spreading Habit	-	10	Not in bloom Oct. 10
Princess H	Sept. 17	15-18	Pink	Serrated Intermediate Decorative	90	100	
Rosey Nook	Sept. 24	15-18	Pink	Pompon	0	-	
Ruby Breithaupt	Sept. 24	12-15	Pink	Large Decorative	0	100	
Salmon Precose	Oct. 10		Deep Lavender Pink	Large Decorative	30	0	
September Song	Oct. 1	18-20	Lavender Pink	Large Semi-Incurved Harvest Giant	50	30	
Sparkling	Oct. 10	22-24	Bright Lavender Pink	Decorative Cushion	-	0	
Touchdown	Oct. 10	30-35	Bright Pink	Large Semi-Incurved Harvest Giant	45	-	
White Cushion	Oct. 1	12-15	Pink Turns to White	Small Decorative Cushion	-	0	

START OF FLOWERING PERIOD, 1965

COLOR & VARIETY

HEIGHT IN INCHES

COLOR

FLOWER TYPE**

% HARDI-NESS 1965

% HARDI-NESS 1966

RATING BY PUBLIC - OCT. 10, 1965

COLOR & VARIETY	START OF FLOWERING PERIOD, 1965	HEIGHT IN INCHES	COLOR	FLOWER TYPE**	% HARDI-NESS 1965	% HARDI-NESS 1966	RATING BY PUBLIC - OCT. 10, 1965
<u>Red</u>							
Bronze Song	Oct. 10	18-20	Reddish Brown	Large Semi-Incurbed Harvest Giant Decorative	-	-	
Glow Worm	Oct. 15		Orange-Scarlet	Small Decorative	100	-	Not in bloom Oct. 10
Horizon	Oct. 15	32	Dark Red; Open Center	Intermediate Pompon	60	80	Not in bloom Oct. 10
Lipstick	Oct. 1	15-18	Bronze Red	Small Decorative	30	10	
Radiance	Oct. 15	27-28	Bright Dark Red	Intermediate Pompon	70	30	Not in bloom Oct. 10
Red Mischief	Oct. 15	18-20	Deep Red with Yellow Center	Small Single	-	10	Not in bloom Oct. 10
Red Skin		26	Deep Red	Large Decorative Harvest Giant	20	-	
Remembrance	Oct. 10		Deep Red	Intermediate Decorative	60	70	
Rocket	Oct. 1	15	Bronzish Red	Small Pompon	40	10	
Ruby Mound	Oct. 1	15	Dark Red	Small Pompon	20	10	
<u>Bronze</u>							
Autumn Leaves	Oct. 15	30	Light Bronze	Large Semi-Incurved Harvest Giant	0	45	Not in bloom Oct. 10
Bronze Giant	Sept. 24	28-30	Yellowish Bronze	Large Decorative	-	60	
Bronze Touchdown	Oct. 15	28-30	Bronze	Large Semi-Incurved Harvest Giant	-	20	Not in bloom Oct. 10
Carnival	Oct. 15	28-29	Yellowish Bronze	Intermediate Pompon	30	60	Not in bloom Oct. 10
Champion Cushion	Oct. 15		Bronze	Small Decorative	30	100	Not in bloom Oct. 10
Cheyenne	Oct. 22	23-24	Dark Red Bronze	Large Decorative	-	10	Not in bloom Oct. 10
Commander Cushion	Oct. 10	22-24	Light Bronze	Small Pompon Cushion	40	50	
Dark Calumet	Oct. 22	31-32	Orangish Bronze	Intermediate Pompon	20	80	Not in bloom Oct. 10
Dolli Ette	Oct. 10	24-26	Bronze with Yellow Center	Intermediate Spoon	70	70	

COLOR & VARIETY	START OF FLOWERING PERIOD, 1965	HEIGHT IN INCHES	COLOR	FLOWER TYPE**	% HARDI- NESS 1965	% HARDI- NESS 1966	RATING BY PUBLIC - OCT. 10, 1965
Bronze (continued)							
Flamboyant	Sept. 10	18	Yellowish Bronze	Intermediate Decorative	0	0	
Falcon BGA	Oct. 15	18	Bronze	Small Anemone	30	10	Not in bloom Oct. 10
Huntsman	Oct. 10	28	Dark Red Bronze	Intermediate Decorative	30	60	
Indian Summer	Oct. 1	30-35	Bronze	Large Decorative Harvest Giant	40	50	
Lawrence Blaney	Oct. 1	22-24	Dark Yellowish Bronze	Intermediate Decorative	0	70	
Mesabi	Sept. 17	18	Yellowish Bronze	Small Pompon	0	40	
Mikado	Oct. 1	28	Dark Bronze	Large Cactus Decorative	10	10	
Mojave Gold	Oct. 1	24-26	Yellowish Bronze	Large Decorative	20	0	
Pancho	Oct. 1	18-20	Yellowish Bronze	Intermediate Pompon	30	0	
Pumpkin	Oct. 10	20	Orange Bronze	Large Semi-Incurred Harvest Giant	-	-	
Rambler BGA	Oct. 10	22	Light Bronze with Yellow Center	Small Anemone Cushion	40	50	
Red Rustic	Oct. 15	24	Dark Bronze, Yellow on Back of Petals	Intermediate Formal Pompon	60	80	Not in bloom Oct. 10
Resolute	Oct. 22	35-36	Reddish Bronze	Large Pompon	0	10	Not in bloom Oct. 10
Roll Call	Oct. 1	15-18	Yellowish Bronze	Intermediate Pompon Cushion	-	0	
Rustic	Oct. 10	18-20	Yellow Bronze	Intermediate Pompon	30	100	
Sparkie	Oct. 1	12-15	Bronze	Small Pompon	-	0	
Spunky	Oct. 10	15-18	Bright Yellow Bronze	Small Button	30	80	
Topflight BGA	Oct. 24		Yellow with Bronze	Small Anemone	20	80	Not in bloom Oct. 10
Toronto	Oct. 1	24-26	Bronze	Intermediate Decorative	70	30	

COLOR & VARIETY	START OF FLOWERING PERIOD, 1965	HEIGHT IN INCHES	COLOR	FLOWER TYPE**	% HARDINESS 1965	% HARDINESS 1966	RATING BY PUBLIC - OCT. 10, 1965
<u>Yellow</u>							
Astoria	Oct. 1	20-22	Bright Yellow	Intermediate Pompon	-	50	
Calumet		31-32	Creamy Yellow	Intermediate Pompon	30	70	
Chas. Nye	Oct. 1	15-18	Bright Yellow	Medium Pompon	-	-	
Chiquita	Oct. 10	18-20	Bright Yellow	Small Pompon	65	70	
Early Gold	Sept. 17	12	Bright Yellow	Small Decorative	-	80	
Ethel Waters	Oct. 10	18-20	Yellow	Intermediate Pompon	20	10	
Gay Blade BGA	Oct. 15	25-26	Yellow	Small Spider	0	10	Not in bloom Oct. 10
Gold Dust	Sept. 24	24	Bright Yellow	Medium Semi-Incurred	-	40	
Gold Lode	Oct. 15	22	Bright Yellow	Large Decorative	-	0	Not in bloom Oct. 10
Golden Age	Oct. 1		Bright Yellow	Large Decorative	25	70	
Golden Arrow	Oct. 10	30-35	Yellow	Medium Incurred Harvest Giant	40	70	
Golden Cushion	Oct. 22	15-18	Bright Yellow	Small Decorative Cushion	40	0	Not in bloom Oct. 10
Golden Fantasy	Oct. 1	18-20	Bright Yellow	Decorative	0	60	
Golden Peking	Oct. 22	24-25	Yellow	Large Decorative	0	0	Not in bloom Oct. 10
Golden Promise	Oct. 10	24	Bright Yellow	Large Incurve	20	60	
Joan-ette	Oct. 10	22-24	Creamy Yellow	Small Spider	30	60	
Kings Ransom	Oct. 1	24-28	Deep Bright Yellow	Intermediate Pompon	15	20	
Martian	Sept. 24	15	Bright Yellow	Primrose Decorative	-	90	
Newton	Oct. 10	22-24	Bright Yellow	Cactus Decorative	-	30	
Peking	Oct. 10	22-24	Yellow	Large Decorative	0	20	
Polaris	Oct. 10	24-26	Orange Yellow	Intermediate Single	50	30	
Real Gold	Oct. 1	18-20	Deep Bright Yellow	Large Decorative	10	40	
Yellow Calumet		34	Yellow	Intermediate Pompon	50	60	
Yellow Giant	Oct. 17	18-20	Bright Yellow	Large Decorative	-	50	Not in bloom Oct. 10

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Yellow (continued)							
Yellow Jess Williams	Oct. 10	20	Bright Yellow	Intermediate Spoon Decorative	-	10	
Yellow Joan Ette	Oct. 10	24-26	Yellow	Small Spider	-	10	
Yellow Moon	Oct. 10	30-35	Light Yellow	Large Incurved Harvest Giant	20	30	
Yellow Spoon	Oct. 22	26-27	Yellow	Spoon Single	80	10	Not in bloom Oct. 10
Yellow Supreme	Oct. 10	15-18	Yellow	Small Decorative Cushion	-	60	
<u>White</u>							
Blizzard	Oct. 10	28-30	White	Formal Button Pompon	20	10	
Candleglow	Oct. 1	18-20	White with Yellow Center	Intermediate Pompon	25	55	
Chris Columbus	Sept. 24	18-20	White with Yellow Center	Intermediate Decorative	40	20	
Corsage Cushion	Oct. 10	12-15	Pinkish-White	Intermediate Decorative Serrated Form	0	60	
Diamond BGA	Oct. 15	24-26	White with Yellowish Pinkish Center	Intermediate Pompon	20	10	Not in bloom Oct. 10
Echo BGA	Oct. 15	28-30	White	Small Pompon	10	20	Not in bloom Oct. 10
Fujii Jess Williams	Oct. 10	22-24	White	Intermediate Spider	-	0	
Full Moon	Oct. 10	30-35	White with Yellow Center	Large Incurved Harvest Giant	0	10	
Gardenia	Sept. 24	22	White	Intermediate Decorative	30	0	
Grace Bradshaw	Oct. 15	26-28	White	Large Decorative	60	0	Not in bloom Oct. 10
Jessamine Williams	Oct. 10	24	Yellowish White	Intermediate Spoon Formed Decorative	50	50	
Larry	Sept. 24	18	White	Intermediate Decorative	10	10	

START OF FLOWERING PERIOD, 1965

COLOR & VARIETY	HEIGHT IN INCHES	COLOR	FLOWER TYPE**	% HARDINESS 1965	% HARDINESS 1966	RATING BY PUBLIC - OCT. 10, 1966
White (continued)						
Marbletop	22-24	White	Small Anemone	-	60	Not in bloom Oct. 10
Mt. Hood	20	White	Large Pompon	45	70	
Osage	12-15	White	Small Decorative Compact Cushion	60	10	
Ostosa	22	White	Intermediate Pompon	60	90	
Powder River	15	White	Intermediate Decorative	-	50	
Raggedy Ann	20-22	White with Yellowish Center	Small Feathered Decorative Cushion	50	70	
Rajah	32-34	White with Yellow Center	Intermediate Daisy	0	10	Not in bloom Oct. 10
Silver Song	22-24	Creamy White	Medium Semi-Incurve Harvest Giant	0	50	
Sleigh Ride	18-20	Yellowish White with Yellow Center	Intermediate decorative	30	50	
White Masquerade	22-23	White	Small Pompon	-	0	Not in bloom Oct. 10
White Sail	15	White	Large Decorative	-	80	

Top Twenty as Judged October 10, 1965, by Public

1. Ruby Mound
2. Pancho
3. Loveliness
4. Rocket
5. Purple Pirate
6. Bronze Giant
7. Real Gold
8. Indian Summer
9. Gardenia
10. September Song
11. Golden Promise
12. Lawrence Blaney
- (13) Lipstick
- (14) Aztec (tied)
15. Mojave Gold
16. Martian
- (17) Sleigh Ride (tied)
18. Golden Age
- (19) Silver Song (tied)
20. Toronto

Acknowledgments

The authors wish to express their appreciation to Yoder Brothers Inc. Barberton, Ohio, for furnishing the chrysanthemum plants used in these trials.