

HARDY CHRYSANTHEMUM

TRIAL RESULTS - 1964

By J. W. Abernathie and J. W. Buxton

Progress Report 147

(Filing Code 17-3)

UNIVERSITY OF KENTUCKY  
AGRICULTURAL EXPERIMENT STATION  
Department of Horticulture  
Lexington

## HARDY CHRYSANTHEMUM TRIAL RESULTS - 1964

By J. W. Abernathie and J. W. Buxton

Many varieties of garden chrysanthemums are offered to the general public each year. Most people and many producers are relatively uninformed about the colors, shapes, and general growth characteristics of many of these plants under local or regional conditions. The trial garden at the University of Kentucky Experiment Station Farm in 1964 offered opportunity for interested visitors to compare the many varieties of chrysanthemums.

Rooted cuttings of 140 varieties were obtained from producers the first week in June 1964, and planted immediately in the prepared garden. Trial plots were 5 feet square and laid out in rows with a 5-foot walkway between rows. Ten plants were planted in each plot. Plants were pinched twice during the summer - first when 3 to 4 pairs of leaves were formed and again the second week in July. Watering was applied by a sprinkler system as was necessary throughout the summer. Tests indicated that only nitrogen was needed in the soil, so ammonium nitrate was applied around each plant after it had become established.

Varieties were evaluated on their value as cut flowers, garden flowers, susceptibility to frost damage, and general growth habit. Blooming time was designated as E-Early (September 5 to September 22), M-Mid-season (September 23 to October 16), and L-Late (October 17 to October 30). Plants not in bloom by October 30 were considered too late to be useful in this location. Evaluation of cut and garden flower desirability was made on the basis of 3-excellent, 2-mediocre, and 1-poor. Frost damage evaluation was made on plants after an early hard frost. Those flowers that were not damaged very much were called frost resistant. Flowers that bloomed late were not open and thus were not damaged.

EVALUATION OF HARDY CHRYSANTHEMUMS, 1964

Variety	Blooming Time	Cut Flower	Garden Flower	General Description (a) and Remarks
<u>White</u>				
Osage	E	1	3	Small decorative. Compact cushion.
Paper White	E	2	3	Small decorative. Medium habit.
Powder Puff	E	1	3	Small decorative. Very dwarf cushion.
Silver Song	E	3	2	Medium semi-incurve. Recommend disbudding. Medium Harvest Giant.
White Frost	M	*3	2	Medium semi-incurve. Ivory. Tall. Harvest Giant.
Sleigh Ride	M	1	3	Intermediate decorative. Dwarf and compact.
Full Moon	M	3	1	Large incurve. Tall habit. Harvest Giant.
Ostosa	M	2	3	Intermediate pompon. Pure white. Short.
White Cushion	M	2	3	Small decorative. Crown buds open in August. Cushion habit.
Raggedy Ann	M	2	*3	Small decorative. Early cushion
Mt. Hood	M	2	2	Large pompon. Pure white. Medium habit.
Candleglow	M	3	1	Intermediate pompon. Ivory. Medium.
Chris. Columbus	M	2	2	Small decorative. Ivory white. Medium height.
Corsage Cushion	M	1	3	Serrated decorative. Will tinge pink if finished cool. Short and compact.
Grace Bradshaw	M	3	3	Large decorative. Disbud. Medium height.
Jessamine Williams	M	3	*3	Spoon decorative. White. Medium.
Larry	M	2	2	Intermediate decorative. Pure white. Medium
Diamond	M	2	2	Intermediate pompon. Pure white. Short habit.
Horizon	M	3	3	Intermediate pompon. White. Outdoor cut. Tall growth.
Joan-Ette	M	2	3	Small fujii. Medium.

Variety	Blooming Time	Cut Flower	Garden Flower	General Description (a) and Remarks
Blizzard	L	2	3	Small pompon. Formal button type. Tall growth.
Echo	L	3	2	Small pompon. Pure white. Tall growth.
Gardenia	L	2	*3	Intermediate decorative. Disbud for earlier flowering. Medium habit.

ellow

Golden Promise	E	2	3	Large incurve. Harvest Giant. Medium.
Moonlight Spoon	M	2	2	Large spoon single. Primrose yellow. Early variety. Short.
Real Gold	M	2	3	Large decorative. Deep golden yellow. Medium.
Yellow Frost	M	3	2	Medium semi-incurve. Tall. Harvest Giant.
Golden Age	M	3	2	Large decorative. Golden yellow. Disbud. Tall habit. Frost resistant.
Golden Arrow	M	*3	2	Medium incurve. Deep yellow. Disbud. Tall habit. Harvest Giant.
Golden Cushion	M	1	3	Small decorative. Dwarf cushion.
Yellow Moon	M	2	1	Large incurve. Disbud. Tall. Harvest Giant.
Chiquita	M	2	2	Small pompon. Deep yellow. Good form. Medium habit.
Gay Blade	M	*3	2	Small fujii. Medium habit.
Ruby Breithaupt	M	3	3	Large decorative. Primrose yellow. Disbud. Medium habit.
Yel. Chris. Columbus	M	2	3	Small decorative. Pinch to late July for more dwarf habit. Short.
Polaris	M	3	2	Intermediate daisy. Golden yellow outdoor spray. Tall.
Yellow Spoon	M	2	3	Spoon daisy. Medium habit.
Bright Forecast	M	*3	*3	Small pompon. Deep yellow. Medium. Frost resistant.

Variety	Blooming Time	Cut Flower	Garden Flower	General Description (a) and Remarks
Kings Ransom	M	*3	2	Intermediate pompon. Golden yellow. Medium
Ethel Waters	M	2	2	Intermediate pompon. Deep yellow reselection. Formal form. Tall.
Golden Peking	L	2	2	Large decorative. Deep yellow sport.
Peking	L	2	2	Large decorative. Light yellow. Medium habit.
Yellow Calumet	L	3	1	Intermediate pompon. Yellow. Tall.
Topflight	L	3	2	Small anemone. Deep yellow. Tall.

Bronze and Red

Glow Worm	E	1	3	Small decorative. Orange scarlet. Very early. Short.
Bronze Song	E	*3	2	Medium incurve. Brick bronze. Develops 4-6" blooms when disbudded. Harvest Giant.
Minnehaha	E	2	*3	Small decorative. Bronze. Holds color under high temperatures. Short. Frost resistant.
Bronze Queen	M	1	3	Intermediate pompon. Copper bronze cushion. Compact. Short habit.
Cochise	M	1	3	Small decorative. Rich bronze. Mound type growth. Short.
Indian Summer	M	*3	1	Large decorative. Scarlet bronze. Standard Disbud. Tall. Harvest Giant.
Mesabi	M	1	2	Small pompon. Bronze. Short.
Scarlet Crimson	M	2	*3	Intermediate decorative. Medium habit. Frost resistant.
Spunky	M	1	2	Small button. Golden bronze. Early and dwarf. Frost resistant.
Toronto	M	3	3	Intermediate decorative. Copper bronze. Medium. Frost resistant.
Pancho	M	1	3	Intermediate pompon. Orange bronze. Compact cushion.

Variety	Blooming Time	Cut Flower	Garden Flower	General Description (a) and Remarks
Autumn Leaves	M	*3	3	Large semi-incurve. Orange bronze. Early standard. Tall. Harvest Giant. Frost resistant.
Champion Cushion	M	2	*3	Small decorative. Bronze. Short habit.
Commander Cushion	M	2	3	Small pompon. Deep bronze. Short habit. Frost resistant.
Ruby Mound	M	1	3	Small pompon. Intense red.
Mojave Gold	M	*3	2	Large decorative. Golden bronze. Disbud. Medium habit. Frost resistant.
Mikado	M	*3	2	Large cactus decorative. Golden bronze. Short habit.
Rocket	M	1	*3	Small pompon. Deep brick red. Globe plant. Short grower.
Falcon	M	1	3	Small anemone. Bright bronze. Resembles an improved bronze sport of Ann Ladygo. Medium habit.
Rambler	M	2	3	Small anemone. Warm bronze. Masses of smart anemones. Medium.
Red Skin	M	2	3	Large decorative. Crimson red. Disbud also. Medium. Harvest Giant. Frost resistant.
Futurama	M	2	3	Intermediate decorative. Light bronze. Medium habit.
Huntsman	M	3	*3	Intermediate decorative. Red bronze. Tall. Frost resistant.
Lipstick	M	1	*3	Small decorative. Red. Short. Frost resistant.
Red Rustic	M	*2	*3	Intermediate pompon. Short, compact habit. Frost resistant.
Rustic	M	2	*3	Intermediate pompon. Orange bronze. Short habit. Frost resistant.
Remembrance	M	*2	*3	Intermediate decorative. Deep red. Good short, compact habit. Frost resistant.

Variety	Blooming Time	Cut Flower	Garden Flower	General Description (a) and Remarks
Carnival	M	3	1	Intermediate pompon. Orange red. Medium. Frost resistant.
Dolli-Ette	M	2	*3	Spoon daisy. Bright bronze. Short.
Red Mischief	M	1	3	Small daisy. Red. Very prolific and shapely like a Cineraria. Short. Frost resistant.
Amber Bright	L	3	1	Large decorative. Amber bronze. Tall habit. Disbud.
Calumet	L	3	2	Intermediate pompon. Golden bronze. Tall habit.
Cheyenne	L	2	1	Large decorative. Deep red. Can be improved by disbudding. Medium.
Dark Calumet	L	3	1	Intermediate pompon. Bronze. Outdoor cut. Tall habit.
Radiance	L	2	3	Intermediate pompon. Deep red. Tall grower.
Rajah	L	3	2	Intermediate daisy. Intense red. Tall grower.
Resolute	L	3	2	Large pompon. Red bronze. Better suited to southern areas. Tall habit.
<hr/>				
<u>Pink</u>				
Sal. Precose	E	1	1	Large decorative. Salmon pink. Short habit.
Princess	E	2	3	Intermediate decorative. Deep old rose. Medium habit.
September Song	E	*3	2	Semi-incurve. Pink. Disbud early for maximum size. Medium. Harvest Giant.
Touchdown	M	3	1	Large semi-incurve. Very large standard. Tall. Harvest Giant. Frost resistant.
Telltale	M	1	*3	Small pompon. Rich purple. Early cushion.
Coquette	M	1	3	Small pompon. Pink. Clean, short, compact habit.
Major Cushion	M	2	*3	Small decorative. Light pink. Crowns open in August. Short. Frost resistant.

Variety	Blooming Time	Cut Flower	Garden Flower	General Description (a) and Remarks
Minnpink	M	1	*3	Small decorative. Pink. Fine cushion habit.
Purple Waters	M	1	2	Intermediate pompon. Deep purple. Short.
Loveliness	M	1	*3	Intermediate spoon. Carmine pink. Medium.
Pink Spoon Cushion	M	1	3	Small spoon. Lavender pink. Short and prolific.
Purple Dusk	M	1	3	Small decorative. Purple. Clean, dwarf habit.
Betty	M	*3	3	Large decorative. Rose pink. Tall. Frost resistant.
Pat Lehman	M	3	*3	Large decorative. Salmon pink. Disbud also. Tall.
Artist's Delight	M	2	*2	Intermediate decorative. Medium.
Purple Pirate	M	1	*3	Small decorative. Intense purple. Short habit.
Cecelia	M	2	3	Intermediate pompon. Pink. Short.
Comet	M	1	2	Small anemone. Medium.
Corvair	M	2	3	Small pompon. Two tone pink. Good plant. Short.
Helen Bogue	M	2	3	Large decorative. Rose purple. Large disbud. Medium.
Jeweltone	M	2	3	Small pompon. Salmon pink. Fine fall color. Medium habit.
Joybringer	M	2	*3	Small pompon. Salmon pink. Short habit. Frost resistant.
Spellbound	M	3	3	Intermediate decorative. Lavender pink. Medium habit.
Mango	M	2	3	Small anemone. Deep pink.
Millionaire	M	2	*3	Intermediate decorative. Light pink. Medium. Frost resistant.
Mischief	M	1	3	Small daisy. Deep pink. Short. Frost resistant.
Raspberry Ice	M	2	3	Intermediate pompon. Fuchsia pink. Medium. Frost resistant.



Variety	Blooming Time	Cut Flower	Garden Flower	General Description (a) and Remarks
Fury	L	1	2	Intermediate decorative. Rich purple. Short.
Alert	L	2	2	Intermediate pompon. Purple. Pinch until late July. Medium.
#2 Fuchsia Fairy	L	1	3	Small decorative. Deep pink. Short.
Accolade	L	3	3	Intermediate decorative. Coral pink. Tall.
Enterprise	L	3	1	Small pompon. Deep pink. Tall habit.
Major Bowes	L	3	1	Large incurve. Deep pink standard. Tall.

(a) General description as given by Yoder Brothers Chrysanthemum Catalog, p. 48-51.

\* Varieties of hardy chrysanthemums judged to be outstanding either as a cut flower or garden flower by the researchers.