

## **Historic, Archive Document**

Do not assume content reflects current scientific knowledge, policies, or practices.



62.61

BETTER

# Chrysanthemums

for 1951



LIBRARY  
RECEIVED  
★ APR 25 1952 ★  
U. S. Department of Agriculture

ROOTED  
CUTTINGS OF  
NEW AND  
RECENT  
INTRODUCTIONS

Flowering and Pinching Date Schedule

PRICE LIST

**ROMAN J. IRWIN**

**Division of Universal Bulb Corp.**

BULBS • PLANTS • SEEDS • SUNDRIES

BRIDGE AND LUDLOW STS., YONKERS 5, N. Y.

YOnkers 8-8700

## **TERMS OF SALE**

All quantities on rooted cuttings must be in multiples of 50 of a variety.

## **TERMS OF PAYMENT**

2% discount allowed on payment 10 days from date of invoice. Sixty days net.

No quantity discounts allowed regardless of the size of the order.

Quantity prices are listed opposite each variety.

---

We recommend shipping via Air Freight or Air Express wherever possible. Air lines are prepared to phone nearby customers on arrival for pick-up, and for customers too far away from the airport, they will recon-sign shipment via the Railway Express Agency to destination. Where shipments are not ordered Air Freight or Air Express, they will be forwarded via Railway Express.

## **DISCLAIMER**

1. We make no warranty, expressed or implied, as to kind, description, quality or productiveness of any stock and we will not be responsible for crop.
2. We will not be responsible for any errors or omissions and in no event shall our liability for any claim of loss or damage due to any cause whatsoever be greater than the invoice value of the merchandise. This order, if accepted, is subject to pro-rata delivery if conditions in our sole judgment justify it, either on account of short crop, prior sale or for any other reason. We will not be responsible for delays, damages or loss in transit. Our liability ceases upon delivery to the common carrier. All orders subject to acceptance by home office.

## **WHAT CAUSES PREMATURE BUDDING OF CHRYSANTHEMUM CUTTINGS DURING THE SPRING MONTHS, AND WHAT TO DO TO PREVENT IT.**

Bud initiation can occur anytime during the spring months, whenever your temperatures in the green-houses are consistently 60 degrees or above, and the days are short enough to initiate bud setting. These conditions can occur anytime up until May 1st depending upon the variety and the locality in which they are being grown. Some varieties such as early shading varieties require very little short day treatment, coupled with high temperatures to initiate buds. This same tendency to set bud readily is what makes these varieties desirable for early shading.

In order to prevent this premature setting of buds, these same varieties should be placed where they can be given additional light during the early spring months. Use 60 watt bulbs spaced 4 feet apart and 30 inches above the plants. Use the lights for a period of two hours each night after dark up until May 1st, then discontinue lighting.

## **CHECK YOUR ACKNOWLEDGEMENTS**

It is most important to read our acknowledgement of your order. This indicates delivery date our grower estimates can be made. It frequently happens that we have to list a different delivery date than the one called for, and it is necessary that you know this when the order is confirmed.

# *Novelty and Newer Introductions*

**BAMBOO** . . . A buff bronze daisy 2½" in diameter. Vigorous 30" growth. Fine keeper.

**BEAUREGARD** (76) . . . A reddish orange pompon.

**BELRAY** . . . (De Petris) Large white pompon. Tall grower. One of the best large whites for March 15 to June 15 flowering.

**BOJANGLES** (76) . . . Yellow daisy. Intense color, heavy pettage.

**BRANDYWINE** (86) . . . A deep orange yellow decorative. Excellent growth habit similar to that of Yuleflame.

**BRIGHT FORECAST** . . . Very formal yellow pompon. Outstanding flower quality.

**BUCKSKIN** (60) . . . A tawny bronze daisy. Easily replaces California Bronze Daisy in the early cloth house program. Production is outstanding. 60-day response.

**CALICO** . . . Coral bronze daisy. Strong, tall plant. A fine flower for cutting.

**CAMILLE** . . . Single, 2½" to 3" in diameter. Four rows of ray florets. The ray florets are short, broad and rounded. The flowers are a soft warm, deep flesh pink with a good yellow center.

**CAROUSEL** . . . Coral bronze daisy. Wide petals, excellent form and substance. Does well under low night temperatures.

**CHALLENGE** (86) . . . Intermediate yellow single. Better than Sunkist in color and production. Stocky growth habit.

**CHANTICLEER** . . . A large reddish bronze pompon for September, October and early November flowering.

**CHEVRON** (76) . . . An intense red pompon. Resembles a red Cassandra with a better spray formation and more decorative.

**CHRISTMAS GREETING** (96) . . . Large red decorative. The one red pompon for Christmas with good production.

**CLARET** . . . A brilliant red daisy for Christmas. A short stocky growth. Requires minimum of 55° night temperature.

**CLASSIC** . . . Small white semi-formal pompon.

**COPPERHEAD** (70) . . . A large coppery bronze decorative.

**CORONET** . . . Intermediate dark pink single. Extremely attractive form, wide petals, and small eye.

**CORSAIR** (96) . . . Large yellow pompon. Outstanding for quality, vigor, and production. A "best" for October 15 to March 15 in yellow pompons.

**CRESCENDO** (76) . . . A beautiful large yellow pompon. An outstanding variety for the high temperature period from May 15 to September 15.

( ) — Number of short days required to flower.

Varieties so indicated are recommended for use in year round flowering program.

# *Novelty and Newer Introductions*

**DAZZLER** . . . (Helm) Coppery bronze. Partial anemone type. Seedling of Yellow Valencia.

**DEBUNTANTE** (90) . . . Large pink single with color similar to that of Valencia. Grows shorter and produces better than Rosalind.

**FALCON** (86) . . . Intermediate reddish bronze pompon. An improved Rusticon.

**FASHION** . . . A new pink semi-double decorative. A two-tone salmon and rosewood pink. An important cut flower variety.

**FIREFLY** . . . (De Petris) A Nipponicum seedling. Fine for cloth house. An early red pompon that holds its color exceptionally well.

**FIRESIDE** . . . Burnt orange and salmon decorative. Fine cut flowers.

**FORTUNE** (90) . . . A formal white pompon. Omega growth and production.

**GOLD BRAID** (76) . . . A beautiful two-tone bronze pompon. Fine in May and June, and also from Sept. 15 to Nov. 15. 76-day response.

**GOLDCUP** . . . Large pompon, 2½" in diameter and 1½" in depth with high well rounded form. Center full. Buttercup yellow. The flowers are clustered fairly close together near the ends of the stems.

**GOLDLEAF** . . . A bright yellow decorative. Grows over 2' in height. Similar to Chas. Nye, but with superior growth habit.

**GOLDRUSH** . . . Yellow daisy. Vigorous 3' growth. Resistant foliage. Good cut flower production.

**GOLDTONE** (86) . . . A heavy-petaled yellow single. Best described as a yellow Christmas Star.

**HALO** (66) . . . White daisy for cloth house. The most productive early white daisy.

**HEIRLOOM** (96) . . . A white decorative. Form resembles that of Debonair.

**HIGHBROW** (80) . . . An ivory white decorative, similar to Cameo.

**ILLINI BOUNTIFUL** . . . Crisp white with chartreuse center when partly open, changing to pure, creamy white with deep cream center when mature.

**ILLINI BRAVE** . . . Lemon yellow color remains bright. The flowers are 2 inches in diameter.

**ILLINI HONEY** . . . Deep honey color. Hard button type 1¼ inches in diameter. Rather compact sprays on strong stems that handle well.

**ILLINI REDHEAD** . . . Decorative pompon. Dark velvety cardinal red. Flowers are 1¾ inches in diameter.

**ILLINI SNOWDRIFT** . . . Oddity. Pure white when full open, soft yellow in the center when immature. The loosely arranged fringed florets give a spidery effect.

( ) — Number of short days required to flower.

Varieties so indicated are recommended for use in year round flowering program.

# *Novelty and Newer Introductions*

**ILLINI WARRIOR** . . . Rich bronzy-orange, highlighted by tan reverse. Color holds unusually well.

**INDIAN HEAD** (80) . . . A reddish apricot bronze single. Good wide petallage. Ranks with Apricot Valencia.

**JAMBOREE** . . . Best described as a Golden Yellow Mefo.

**JAMES STEWART** . . . (De Petris) Apricot gold pompon. Important for cloth house and early greenhouse flowering.

**JOYBRINGER** . . . Salmon rose decorative. Dwarf. Desirable pot culture.

**KLONDIKE** (80) . . . An orange yellow pompon. Best described as an intense orange yellow Masterpiece.

**KOLOWA** . . . (De Petris) White single similar to White Mensa. Excellent for shading.

**LEMONADE** . . . Oct. 15. Ivory yellow decorative.

**LOLLIPOP** (76) . . . A lemon yellow pompon. Very formal, round, and hard. Has a long season of usefulness, fast response, and good production.

**MAESTRO** . . . White pompon. Dwarf, compact 18" growth. Excellent pot plants.

**MAGICIAN** . . . A large bronze pompon for September 15 to early November.

**MAJORETTE** (80) . . . Nov. 25. A small pink anemone. Short compact growth. Lively color and good form.

**MARIONETTE** . . . A small rust pompon about 1 1/2" in diameter. Very formal type. Grows to about 25". Good cut flower variety.

**MARY GARDEN** . . . (De Petris) A pink spider. An interesting new addition to this increasingly popular class of novelties.

**MEDALLION** (96) . . . Intermediate pink pompon. A decorative similar to Riviera with a superior growth habit.

**MONOGRAM** . . . Pure white daisy approximately 2 1/2" in diameter. Compact growth habit. Excellent pot culture.

**MRS. DEWEY** . . . (Cummings) Nov. 20. A heavy-petaled deep bronze single for Thanksgiving. The duplex nature of this flower together with a unique coloring make this a very desirable variety for late September.

**NOCTURNE** . . . (De Petris) An early crimson cut flower variety for greenhouse.

**NOKOMIS** . . . (De Petris) Large bronze decorative. Another outstanding De Petris introduction.

**NOSEGAY** (80) . . . Small yellow pompon. Lively, durable, grows and produces like Omega.

**OAKDALE** . . . A buff bronze mum. Best in natural season. Color an interesting variation from that of Ind. Bronze.

**PAGEANTRY** . . . A red pompon. Best described as a red Snow. Needs low temperatures.

( ) — Number of short days required to flower.

Varieties so indicated are recommended for use in year round flowering program.

# *Novelty and Newer Introductions*

**PARAGON** (76) . . . Nov. 15. A large red pompon. Heavy producer. A red Masterpiece with good flower substance.

**PARAMOUNT** (86) . . . Intermediate white pompon. Larger than Priscilla. Sunnyside growth with good response.

**PINKY** (86) . . . Intermediate pink decorative. Very high producer.

**RENNOWN** . . . White daisy.

**REWARD** (60) . . . A very productive deep pink daisy that holds color in July and August.

**ROBINHUE** . . . A very double, large red decorative.

**SALUTE** . . . Deep orchid daisy. A cut flower variety. Beautiful form and substance.

**SCHNEEBURG'S DAISY** . . . Golden yellow. Sport of Yellow Daisy; a decided improvement over the original variety.

**SEQUIN** . . . Small yellow pompon. A late Pixie.

**SERENADE** . . . Magenta pink daisy. Strong. A fine cut flower variety.

**SHAMROCK** (96) . . . Large yellow decorative. A large yellow Silversmith.

**SILVERPLATE** . . . A white decorative. Vigorous and productive outdoor cut flower variety.

**SIREN** . . . A yellow decorative. Smaller than Vibrant but very similar to it and flowers later.

**SNOWFLURRY** (80) . . . A small white button pompon. Larger than Pinocchio.

**SNOWLINE** . . . A large showy white flower. A December mum that's easy to do. Does well in average greenhouse conditions.

**SONGSTER** . . . An intermediate pompon. Withstands heat well.

**SPANGLES** . . . Dec. 5. Small white pompon. Best described as a late white Sunnyside.

**STARBURST** . . . This variety falls in the oddity class. The individual florets are entirely tubular, open only at the end. The florets stand out stiffly with excellent substance; it definitely is not in the rather droopy Fugi class. Flowers are a light yellow to cream.

**SUGARPLUM** . . . A hard pink mum. Improves the size and substance of J. W. Prince.

**SUNRISE** . . . A yellow pompon best described as a late Gold Coast.

**SWEEPSTAKE** . . . A small formal yellow pompon.

**SWEETHEART** . . . Light lavender pink daisy. Fine for cut.

**SYMMETRY** . . . Intermediate yellow pompon. Short, stocky growth. Perfect form. Does not shatter.

( ) — Number of short days required to flower.

Varieties so indicated are recommended for use in year round flowering program.

# *Novelty and Newer Introductions*

**TAFFETA** (76) . . . A deep pink decorative for September 15 to Thanksgiving. Also good from April 15 to June 15. 76-day response.

**THELMA** (80) . . . (De Petris) Very brilliant orange scarlet pompon.

**WITCHERY** . . . A golden bronze decorative. A fine keeper.

**YELLOW COTTON TOP** . . . Lemon yellow. Sport of Cotton Top.

**YELLOW FIREBIRD** . . . Bright lemon yellow, sport of Firebird. Identical with Firebird except color.

## **OUTSTANDING SPORTS OF WELL-KNOWN VARIETIES**

**BRONZE MINSTREL** (96) . . . (Yoder Bros.)

**BRONZE THYRA** (76) . . . (Yoder Bros.)

**CRIMSON VALENCIA** (86) . . . (Delworth)

**DK. BR. MASTERPIECE** (76) . . . (Yoder Bros.)

**DK. ENCHANTRESS** (96) . . . (Bordine)

**RED SENECA** (76) . . . (Mikkelsen & Sons)

**YELLOW LACE** (66) . . . (Yoder Bros.) Sport of Queen's Lace.

## **NEW GARDEN VARIETIES**

**ADAGIO** . . . (De Petris) A brilliant raspberry coppery rose pompon. Similar in type to Mary McArthur with more brilliant color.

**CARMELITA** . . . (De Petris) Beautiful tones of apricot-bronze in a large decorative flower. Very good as a cut flower.

**CARMINE QUEEN** . . . (De Petris) True carmine red, solid pompon for cutting. An outstanding carmine red flower.

**MONA** . . . (De Petris) Hard full pompon type of compact habit. Color rust-bronze. Flowers in October.

**POLARIS** . . . (De Petris) A deep golden yellow single of good size. Disease resistant foliage. Free flowering.

**YELLOW CHRIS. COLUMBUS** . . . Lemon Yellow, sport of Chris. Columbus, a very good addition to the garden varieties.

( ) — Number of short days required to flower.

Varieties so indicated are recommended for use in year round flowering program.



































# Index

Page	Page	Page	Page		
<b>J</b>					
Golden Pearson ..... 6	Jamboree ..... 3, 6	Marketeer ..... 6	Oak Leaf ..... 7		
Golden Spoon ..... 19	James Eadie ..... 19	Mary Garden ..... 3, 17	October Bronze ..... 14		
Goldleaf ..... 2, 8	James Stewart ..... 3, 8	Mary Gold ..... 9	October Pink ..... 16		
Goldrush ..... 2, 15	Jean Elizabeth ..... 6	Mary L. Hall ..... 8	Ohkwan ..... 17		
Goldsmith ..... 9	Jemima ..... 11	Mary McArthur ..... 13	Old Gold ..... 19		
Goldtone ..... 2, 16	Jersey Sunburst ..... 15	Mason's Red ..... 14	Olive Longland ..... 21		
Good News ..... 6	Jessie ..... 13	Mason's Yellow ..... 15	Omega ..... 9		
Granite State ..... 10	Jewell ..... 13, 21	Masterpiece ..... 13	Orchid Beauty ..... 16		
Gypsy ..... 14	Joybringer ..... 3, 13	Matchless ..... 11	Orchid Helen ..... 21		
<b>H</b>					
Halo ..... 2, 14	Karl A. Reiche ..... 21	Medallion ..... 3, 13	Orchid Queen ..... 7		
Harbinger ..... 20	Kathleen Lehman ..... 20	Meditation ..... 20	Orchid Spoon ..... 21		
Harvester ..... 6	Kay Tashima ..... 17	Mefo ..... 7	Orchis ..... 13		
Hasegawa Pink ..... 16	King Midas ..... 19	Mellow Glow ..... 21	Oriental ..... 21		
Heather Bloom ..... 21	Klondike ..... 3, 9	Merrymaker ..... 15			
Heirloom ..... 2, 11	Kolowa ..... 3, 14	Meteore ..... 6			
Helen Frick ..... 8	<b>K</b>				
Highbrow ..... 2, 11	Lavender Lady ..... 21	Minong ..... 10			
Hilda Bergen ..... 7	Lavender Lassie ..... 21	Minstrel ..... 13			
Hindustan ..... 12	Legal Tender ..... 12	Minuet ..... 13			
Holiday ..... 15	Lemonade ..... 3, 8	M. J. Costello ..... 19			
Honeycomb ..... 19	Lillian Doty ..... 13	Model O'Perfection ..... 18			
Honey Dew ..... 6	Linda Lou ..... 16	Mona ..... 5, 20			
Huntsman ..... 20	Lavender Lady ..... 14	Monogram ..... 3, 14			
<b>I</b>					
Illini Bountiful ..... 2, 11	Lollipop ..... 3, 9	Moonglow ..... 11			
Illini Brave ..... 2, 9	L. I. Beauty ..... 14	Monument ..... 6			
Illini Gold ..... 9	Lorraine ..... 17	Morning Glow ..... 21			
Illini Honey ..... 2, 12	<b>L</b>				
Illini Redhead ..... 2, 12	Maestro ..... 3, 10	Morning Star ..... 19			
Illini Snowdrift ..... 2, 11	Magician ..... 3, 12	Mrs. Dewey ..... 3, 15			
Illini Warrior ..... 3, 12	Magnificent ..... 20	Mrs. DuPont ..... 21			
Imp. Tobin's Yellow ..... 6	Mahogany Cushion ..... 20	Mrs. Fischer ..... 18			
Indagold ..... 9	Mahogany Viking ..... 15	Mrs. Kidder ..... 6			
Indiana Market ..... 7	Major Bowes ..... 7	Mrs. Roy ..... 7			
Indian Head ..... 3, 15	Major Cushion ..... 21	Mrs. R. A. Walker ..... 17			
Ind. Bronze ..... 7	Majorette ..... 3, 16	Mrs. S. P. Rotan ..... 19			
Ind. Pink ..... 7	Mandalay ..... 20	Muto's Crimson ..... 7			
Ind. White ..... 6	Mamoru ..... 17	<b>N</b>			
Ind. Yellow ..... 6	Marg. Moeller ..... 7	Navaho ..... 12			
Inspiration ..... 20	Marie De Petris ..... 6	Nevada ..... 14			
Irene ..... 10	Marionette ..... 3, 11	Nocturn ..... 3, 11			
Ivanhoe ..... 7	<b>O</b>				
Ivory Snow ..... 10		Nokomis ..... 3, 11			
Izola ..... 16		Norma ..... 16			
		Nosegay ..... 3, 9			
		Nuggets ..... 8			
		Nye's Favorite ..... 21			
<b>Q</b>					
			Queen's Lace ..... 17		
			Queen of Pinks ..... 13		

# Index

	Page		Page		Page		Page
<b>R</b>							
Red Daisy	14	Shamrock	4, 9	The Chief	20	Yel. Blanket	19
Red Gold	20	Shasta	14	The Titan	14	Yel. Cameo	9
Red Princeton	12	Silver Ball	10	Thelma	5, 12	Yel. Cassandra	9
Red Riding Hood	20	Silverplate	4, 10	Thyra	13	Yel. Chattanooga	6
Red Rolinda	15	Silver Sheen	6	Tiffany Rose	21	Yel. Chris. Col.	5, 19
Red Rust	12	Silversmith	11	Trophy	9	Yel. Cordova	9
Red Seneca	5, 12	Siren	4, 10	Tuxedo	16	Yel. Cotton Top	5, 8
Red Spider	17	Smith's Late White	7			Yel. Cushion	19
Red Supreme	15	Smith's Superlative	6	V		Yel. Daisy	15
Red Velvet	20	Snow	11	Valencia	17	Yel. Dot	8
Remembrance	20	Snowcap	11	Vesper	10	Yel. Doty	8
Renown	4, 14	Snow Cloud	10	Vibrant	10	Yel. Fellow	9
Revelation	11	Snow Crest	11	Violet	21	Yel. Firebird	5, 8
Rev. Bushnell	10	Snow Fall	18			Yel. Irene	8
Reward	4, 16	Snowflurry	4, 11	W		Yel. Izola	15
Richard Mandel	10	Snowline	4, 7	Welcome	21	Yel. Lace	5, 17
Riviera	13	Snow White	6	W. R. Buck'gham	16	Yel. L. I. Beauty	16
Robinhue	4, 11	Songster	4, 10	White Anemone	14	Yel. Mefo	6
Rodell Improved	8	Soprano	16	White Bounty	18	Yel. Monument	6
Rosalind	17	Spangles	4, 11	White Cloud	18	Yel. Nevada	16
Rose Spoon	21	Sparkler	11	White Cushion	18	Yel. Pockett	6
Rosita	21	Spellbound	21	White Doty	10	Yel. Queen	6
Rubicon	12	Starbright	15	White Freida	14	Yel. Rayonante	17
Ruby Pompon	20	Starburst	4, 11	White Frick	7	Yel. Revelation	10
Rusticon	12	Stately White	10	White Mensa	14	Yel. Riviera	9
<b>S</b>							
Salema Precose	21	Sue Sally Jones	17	White Mistletoe	7	Yel. Rolinda	16
Salute	4, 16	Sugar Plum	4, 7	White Norma	14	Yel. Sea Gull	8
Samovar	12	Sunapee	19	White Pockett	6	Yel. Shasta	15
Sam Williston	20	Sunglow	6	White Rayonante	17	Yel. Spoon	19
Sarong	15	Sun Gold	6	White Spoon	18	Yel. Supreme	16
Scarlet Crimson	20	Sunkist	16	White Supreme	14	Yel. Sup. (Hardy)	19
Schneeb'g's Daisy	4, 15	Sunnyside	9	White Tower	18	Yolanda	15
Seafoam	11	Sunray	15	White Valencia	14	Youdath's White	18
Seagull	10	Sunrise	4, 10	White Wonder	18	Yukon	14
Seneca	12	Susanne Miller	15	White Yuletide	11	Yuleflame	10
Sept. Bronze	20	Sweepstake	4, 8	Winterset (Hardy)	18		
Sept. Cheer	20	Sweetheart	4, 16	Witchery	5, 11	<b>Z</b>	
Sept. Dawn	21	Sylvanna	14	W. P. Snyder	19	Zantha	19
Sept. Gem	19	Symmetry	4, 9	Wychwood	19		
Sept. Sunshine	19	Symphony	21				
Sequin	4, 9	<b>T</b>					
Sequoia	20	Taffeta	5, 13	Yel. Ambassador	6		
Serenade	4, 16	Tangerine	19	Yel. Avalanche	19		
Serene	18	Tapestry	21	Yel. Arcadia	8		
Serenity	18	Thanksgiving Pk.	8	Yel. Beauty	9		
				Yel. Bergen	6		

# TO-NA-CIDE

THE BEST INSECTICIDE FOR THE CONTROL  
OF INSECTS IN THE SOIL

TO GROW BETTER PLANTS IN THE GREENHOUSE—  
COLD FRAME—AND GARDEN . . .

## USE TO-NA-CIDE

**TO-NA-CIDE** is in powdered form and is used by sprinkling around the plants either in pots or in the benches. After applying, it is then left overnight, and watered or lightly worked into the soil.

1 LB. COVERS 60 SQ. FT.

25 LBS. COVERS 1600 SQ. FT.

100 LBS. COVERS 6000 SQ. FT.

With D.D.T. Added

5 lbs.....	1.25	5 lbs.....	1.50
25 lbs.....	5.00	25 lbs.....	5.50
50 lbs.....	9.00	50 lbs.....	9.50
100 lbs.....	17.00	100 lbs.....	18.00

F.O.B. New York

## ELECTRA PLANT FOOD HIGHLY ORGANIC

— COMPLETE IN EVERY DETAIL —

### Feeding — Forcing — Finishing

100 lb. Bag — \$6.75

F.O.B. YONKERS, N. Y. - OR - LYNN, MASS.

SEEDS — BULBS — PLANTS — SUPPLIES

ROMAN J. IRWIN  
DIVISION UNIVERSAL BULB CORP.

