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Thank you for your inquiry for our Mum catalog.

We are herewith sending you an advance copy of our 1948 price list attached to our 1947 colored catalog. Our complete 1948 Mum catalog is now with the printers and will be mailed to you in late February.

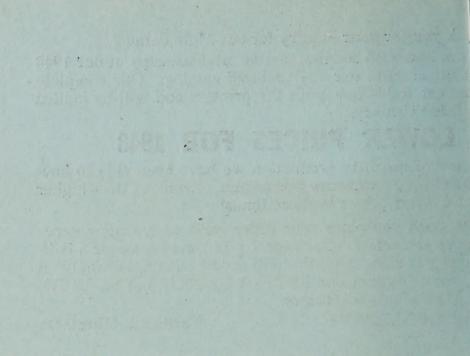
LOWER PRICES FOR 1948

Because of quantity production we have been able to lower our prices on 28 varieties this season. Think of it - - higher quality and lower prices in these times!

We suggest you place your order early so we can reserve the varieties you select. Our capacity is somewhat over a halfmillion plants and we know this will not be enough to supply all who will want to plant our BETTER GROWN and SURE-TO-BLOOM Mum plants this season.

The LEHMAN GARDENS

Faribault, Minnesota



Muns from Minnesota

The Hardy Mum Headquarters of the

Because our production of Hardy Mums has now exceeded the halflion mark annually, we have applied assembly-line and mass-protion methods to our growing, with highly skilled help doing the job. ereby we are able to offer you our BETTER-GROWN and SURE--BLOOM plants at reduced prices in these times!

order to maintain our high standards of quality in listing only the st varieties available, we have discarded over 20 older kinds of Mums s year. You can be assured that the following list comprises one of e most modern and up-to-date listings of Hardy Mums in the country.

We do not dabble with many kinds of plants; WE SPECIALIZE. e grow one big crop and grow it well. We do not think our better-

grown, SURE-TO-BLOOM Hardy Mam plants can be equaled anywhere. We have excellent soil, a cool dimate, the most modern green-houses and propagating equipment, and experience and of the reperiod of th spected. This assures you of high-quality plants direct from America's largest producer of Hardy Mums.

Every plant we send out is absolutely guaranteed to be true to name and free of disease and insects. All are SURE-TO-BLOOM. All blooming dates, descriptions, and growth data are from actual observations in our own fields in southern Minnesota.

Plants will be ready and available from March 1 to June 15.

, Double; SD., Semi-double; S., Single Heigh in Inch	t Blooming es Date	Each	Per 3	D., Double; SD., Semi-double; S., Single Height Blooming Pr Name and Description Pr In Inches Date Each	rice Per 3
labaster. D. (English.) Excellent 5-inch incurved white	Sept. 20	\$0.50	\$1.25	Bonfire. D. Multitudes of burnt-bronze- red flowers on graceful stems. Very frost resistant	\$1.00
**llegro. D. (De Petris.) Glowing shrimp- pink suffused with coppery salmon24	Oct. 7	.50	1.25	Bridesmaid. D. (English.) New 1946.	
Ambassador. D. (Large Commercial.) Pictured p. 27. Large incurved creamwhite. Disbud to obtain 6 to 8-inch				Most delicate flesh-pink suffused with cream and salmon. Large flowers26 Oct. 10 1.00	2.50
Amber Glow. D. (Youdath.) Brilliant rosy	Oct. 23	.50	1.25	Bronze Gold. SD. (Cumming.) Gorgeous fluffy mass of gold tinted with bronze; cushion type	1.25
Apricot Glow. D. (Cumming.) Pictured	Oct. 6	.40	1.00	Bronze Precoce. D. (English.) A summer-blooming very large bronze26 Sept. 14 .75	2.00
p. 11. Rich apricot-bronze. A summer-flowering cushion type	Sept. 19	.60	1.50	Burgundy. D. (Cumming.) Glowing wine-red. Perfect flowers on strong-stemmed plants	1.25
tured p. 17. Bright copper and gold flowers. Excellent for mass planting26 Autumn Lights. SD. (Cumming.) Pictured p. 17. Very hardy, brilliant reddish	Sept. 14	,50	1.25	Butterball. D. (Longley.) Pictured p. 13. The best early butter-yellow, bronzing somewhat in cool weather	1.25
Autumnsong. D. (Kraus.) Pictured p. 2. Large wine-rose shading to carmine.	2 Oct. 7	.50	1.25	Calcite. D. (Kraus.) Pictured p. 12. Chalk-white with pale sulphur center. Very heavy bloomer	1.25
One of the most outstanding of the Chicago strain		.60		Canary Spoon. D. (Lehman.) Excellent full flower with both tubes and spoons. Bright yellow	2.00
Autumntide. D. A beautiful blending of salmon-coral with a golden undertone18		.40		Candelight. D. (Kraus.) Pictured p. 17. Well-formed flowers of creamy ivory- white. Prolific bloomer; excellent plant	1.01
Avalanche. D. Pictured p. 25, 28. The world's best large creamy white. One of the "Master Six."	Sept. 4	.50	1.25	habit	1.25
Aviator. D. (De Petris.) A new, coppery red, which promises to become very popular. A vigorous and easy grower24	1 Oct. 2.	.50	1.25	cardinal-red. Greenish yellow tubes. Outstandingly different	1.50
Bambi. D. (Kraus.) Fawn-yellow with amber shadings at center) Sept. 14	.50	1.25	Celestra. D. (Large Commercial.) Large, very early, incurved golden yellow 30 Oct. 14	1.00
Barbara Small. D. (Kraus.) Clear lilacpink, slightly brighter at the margins, with a carmine center	Sept. 16	.40	1.00	Challenger. D. (English.) Pictured p. 4. Large, bright bronzy red	1.25
Betty. SD. (C&P.) Pictured p. 2. Splendid upright rose-pink without a trace of magenta. One of the finest new pinks. One of the "Master Six."	8 Sept. 28	.50	1.25	Charles Nye. D. (Kraus, 1946.) Pictured p. 2. Large, 3-inch, fully double, rounded flowers of rich buttercup-yellow. One of the "Master Six."	1.50
Bokhara. D. (Cumming.) Pictured p. 11. New 1947. Captivating soft crimson and wine flowers in profusion. Strong, sturdy growth		.60	1.50	charm Spoon. S. (Lehman.) Pictured p. 15. New 1948. Opening lovely rhodonite-red and finishing dusty rose. Excellent growth habits. Very free flowering. 30 Sept. 28 .60	1.50

LOWER PRICES FOR 1948

The Mums of Tomorrow ... Today!

	Blooming Date	P Each	Price Per 3		ht Blooming hes Date	Pr Each	rice Per 3
China Gold. D. (New English.) Bright golden bronze with quilled petals36	Oct. 12	\$0.60	\$1.50	Eureka Giant. SD. (Hurley.) Brilliant golden orange. Strong grower22	Oct. 1	\$0.40	\$1.00
Chippewa. D. (Longley.) Pictured p. 13. Giant aster-purple, slightly incurved. Does especially well in the North	Sept. 4	.50	1.25	Freda. D. (English.) Bright silvery mauve- pink. A beautiful flower of fine substance. 24	Oct. 4	.50	1.25
Chiquita. D. (Kraus.) Pictured p. 14. New 1947. Deep lemon-yellow, dome- shaped pompon. A very desirable ad- dition	Sept. 28	.60	1.50	Patent 718. Pictured p. 11. A pompon of beautifully blended bronze and orange tones. One of the "Master Six."	Sept. 24	.75	2.00
Chris Columbus. D. (Rosebud.) New outstanding ivory-white. Excellent for cutting	Sept. 28	.60	1.50	Garnet King. D. (Large Commercial.) Pictured p. 27. The best large dark red. Disbudded blooms are 6 to 7 inches in diameter	Nov. 18	.50	1.25
Classic Spoon. S. (Lehman.) Pictured p. 15. New 1948. Large, heavy-textured flower of rosy phlox-purple, with silver tubes	Sept. 26	.60	1.50	Glacier. D. (Longley.) Pictured p. 13. Dwarf, very early, absolutely pure white. Fine for bordering or pots20	Aug. 26	.50	1.25
Coppelia. D. (English.) Heavy-textured, bright Indian-red. Strong grower36	Sept. 26	.50	1.25	Glittering Hills. D. (Coles, 1946.) A new large, early, golden yellow variety from New Jersey	Sept. 14	.60	1.50
Coral Sea. S. (De Petris.) Dwarf salmon- buff suffused with coppery rose. Very hardy. Valuable for low borders and rock gardens14	Oct. 4	.40	1.00	Glowing Coals. D. (Kraus, 1946.) Pictured p. 28. Bright deep cherry-red with orange reverse. Well-branched sprays. One of the best early reds26		.60	1.50
Courageous. D. (Kraus.) Pictured p. 18. Bright dark ruby-red, large double flowers, 3½ inches in diameter. One of the "Master Six"	Sept. 19	.60	1.50	Gold. D. (Rosebud.) Large, very double flower of golden bronze. Excellent for cutting	Oct. 1	.50	1.25
Crimson Splendor. S. (Cumming.) Pictured p. 26. Immense, rich crimson, single daisy type. Very good	Oct. 1	.50	1.25	Golden Dome. D. (English.) Pictured p. 3. Bright golden yellow overlaid with bronze	Oct. 2	.50	1.25
Cydonia. D. Pictured p. 25. Brilliant orange-chestnut overlaid with mahogany. We like it		.50	1.25	Golden Hours. D. (Kraus 8.) Pictured p. 18. Early, double, deep lemon-chrome. Petals broad, overlapping and somewhat incurved. Most outstanding very early			
Dahliamum. D. Quilled petals like a cactus dahlia, of bright wine-red20	Sept. 10	.40	1.00	Golden Rose. D. (Rosebud.) Old-rose		.50	1.25
Dean Kay. SD. (Mosnat.) Large cushion-type rose-pink22	Sept. 10	.35	.90	with golden overtone24 Golden Sunset. D. (Kraus.) New 1948.	Oct. 4	.50	1.25
Dee Dee Ahrens. D. (Longley.) The very earliest of all pure white cut-flower varieties	Aug. 20	.50	1.25	Immense burnished copper with ruby center. One of the largest and most showy of the recent introductions20	Sept. 27	.75	2.00
Drifted Snow. D. (Kraus.) A mound of large, double white flowers, shaded yellow at center	Sept. 16	.50	1.25	Gold Lode. D. (Large Commercial.) Large, reflexed flowers of light golden yellow. Disbud for largest flowers40	Oct. 1	.40	1.00
Dubonnet. S. (De Petris.) Single amaranth- pink with beautiful glossy foliage 22	Oct. 3	.50	1.25	Golden Treasure. D. (Youdath.) Large, heavy flowers of golden yellow24	Sept. 27	.50	1.25
Early Harvest. D. (Kraus.) Pictured p. 28. A mass of glowing mahogany-orange flowers for two months. Superior to any cushion variety	Sept. 7	.50	1.25	Harbinger. D. (Kraus.) Pictured p. 12. A glorious early bronze with coloring of fall maples. Very good	Aug. 22	.40	1.00
Early Wonder. D. Pictured p. 16. Large, soft pink pompon. Excellent for cutting	Sept. 30	.50	1.25	Harbor Lights. D. (Cumming.) Pictured p. 16. Pale yellow with cream-white tints. Extra fine22	Sept. 24	.50	1.25
Echoes. SD. (Kraus.) Rich Vandyke-brown-toned copper, becoming orange at center		.60	1.50	Hearthfire. D. (Kraus.) Pictured p. 12. Bright red flowers showing a small yellow center when fully open. Ideal for cutting .25	Sept. 20	.50	1.25
Eggshell. D. (Youdath.) Large, distinct eggshell-white, slightly deeper at center. Flowers 3 to 4 inches across. Excellent for cutting		.60	1.50	Heatherbloom. D. (Kraus.) Pictured p. 28. Very double; heather-pink, center shaded rose-red with gold tipping. Outstandingly good	Sept. 4	.60	1.50
Eldorado. D. (English.) Charming yellow, 5-inch bloom30		.40	1.00	Hilda H. Bergen. D. (Large Commercial.) Pictured p. 27. Large incurved, dark reddish bronze	Oct. 25	.50	1.25
Eternal Snow. SD. (Rocknoll.) Early; pure white with yellow center20	Sept. 14	.50	1.25	Igloo. S. (Styer.) An avalanche of pure white daisies	Oct. 2	.35	.90
Eugene A. Wander. D. (Cumming.) Pictured p. 28. The largest and finest bright early yellow. Blooms 4 inches across18	Aug. 25	.50	1.25	Illuminator. D. (Kraus.) New 1948. Very dark, brilliant, crimson-red pompon. Excellent in the garden or for cutting24	Sept. 22	.75	2.00

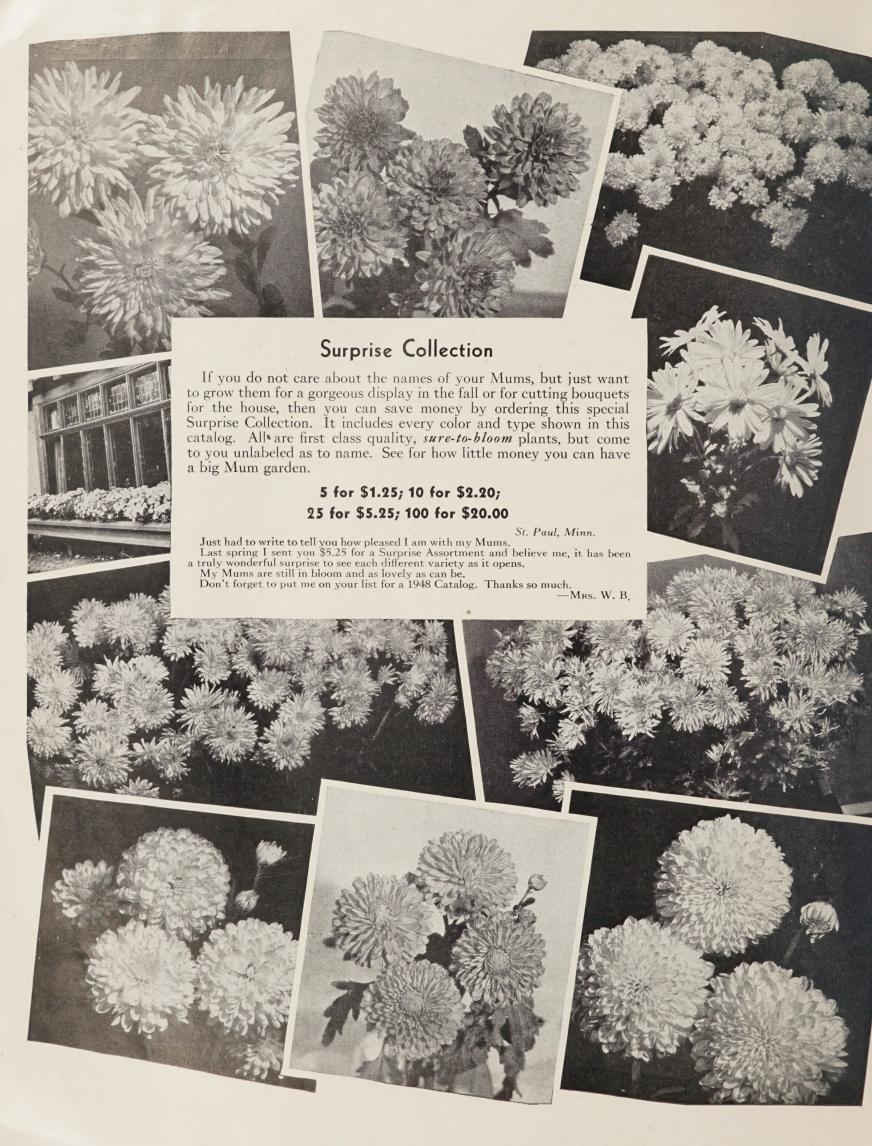
D., Double; SD., Semi-double; S., Single Height in Inches	Blooming Date		rice Per 3	D., Double; SD., Semi-double; S., Single Name and Description	Height in Inche	t Blooming S Date	Each	rice Per 3
Indiana. D. (English.) Pictured p. 10. Rich velvety crimson with darker center28	Sept. 25	\$0.50	\$1.25	Margaret Ann. D. (Rosebud.) Lan free flowering, light rosy purple. Good cutting	for	Sept. 15	\$0.50	\$1.25
Indianapolis Bronze. D. (Large Commercial.) Sturdy incurved buff-bronze. Disbud for large flowers	Nov. 8	.50	1.25	Maroon 'n' Gold. D. (Longley.) I tured p. 13. Prof. Longley's best si Chippewa. Immense, 4-inch flowers bright mahogany shaded maroon, w	nce of	1		
Indianapolis White. D. Large incurved		.50	1.25	golden reverse	16	Aug. 26	.50	1.25
white		.50	1.25	pure white flowers 4 inches across. Copact, bushy growth	om-	Sept. 5	.60	1.50
Indianola. D. (Commercial.) Early, 4 to 5-inch flower of light reddish bronze 36		.50	1.25	Meditation. D. (Kraus.) Pictured pand 14. The Mum of the Year 1948. F. double, 3-inch, firm, two-toned flower	ully			
Indian Summer. D. (Cumming.) Glowing orange-bronze. Excellent for cutting. 34		.50	1.25	soft light jasper-red and maize-yel with orange reverse. Flowers mat clear bright reddish peach. A grand	low ture			
Inspiration. D. (Kraus.) New 1948. Large rich orange-red overlaid with apricot-orange. Bush unusually strong, sturdy and upright. Excellent for cutting 30		.75	2.00	den flower and magnificent when cut Mrs. H. E. Kidder. D. (Large Comm cial.) Pictured p. 27. Incurved flowe inches across, of bright golden yell	30 ner- rs 7	Oct. 6	.75	2.00
Ivory Spoon. D. (Lehman.) Pictured p. 15. New 1948. Dainty ivory-white, spoon-shaped flowers in profusion 24		.60	1.50	The best of all large yellows Mrs. J. Phillips. D. (English.) V. large, broad-petaled flowers of deep lay	···48 Very		.50	1.25
Jean Harlow. D. (English.) A semi- incurved bright golden yellow26	Sept. 30	.50	1.25	Mrs. Pierre S. du Pont III. D. (C	28 um-	Oct. 1	.50	1.25
Jean Treadway. D. (Cumming.) Pictured p. 18. Perfectly formed, very double pink, with deep rose center24	Sept. 29	.50	1.25	ming.) Pictured p. 25. Peach-pink tir rosy salmon-bronze. One of the do best Mums	ozen	Oct. 5	.50	1.25
Joan Helen. SD. Sparkling garnet-lake shading to purple; bright yellow center. Foliage completely hidden in bloom18	Sept. 10	.50	1.25	Murmurs. D. (Kraus.) Opens amaran pink, aging to clear mallow-purple. Per broad and incurved. Early	tals	Sept. 4	.50	1.25
Juanita. D. (English.) Soft light lavender- pink. Large flowers on strong, sturdy plants	Oct. 4	.40	1.00	My Lady. D. (Mosnat.) Pictured p. A lovely combination of gold with bronged shadings. In bloom practically	nze- all	. 27	25	00
Judith Anderson. D. (Cumming.) Pictured p. 16. Extremely free-flowering golden yellow button	Oct. 10	.40	1.00	Nanook. D. (Kraus.) New 1947. Dw compact mound completely smother	ered		.35	.90
Korean Princess. D. (Reichert.) Plant Patent 640. Pictured p. 11. The first anemone-flowered hardy Mum. Flowers 2½ inches across, opening rich bronze-red, aging to soft strawberry-crimson with perfectly formed, golden bronze cushioned	015	75	2.00	by white flowers with cream center Nectar. D. (Rocknoll.) Large, infor flower of orchid-lavender with bright center	mal hter		.60	1.25
Lavender Lady. D. (Cumming.) Pictured p. 25. Immense silvery lavender30		.75	2.00 1.25	p. 27. Anemone-flowered deep laver with golden crested center	30	Oct. 28	.50	1.25
Lavender Lassie. D. (Cumming.) Pictured p. 17. A grand new pompon with cushion-like growth. Color even better	Oct. 0	.50	1.27	North Cape. S. Pictured p. 20. Beaut chamois-yellow single. Foliage copletely covered by an avalanche of lyellow daisies	om- ight	Oct. 7	.50	1.25
than Lavender Lady		.50	1.25	North Star. S. (Cumming.) Pictup. 26. A cascade of pure, glistening widaisies.	hite	Sept. 18	.40	1.00
Little Eskimo. D. Pure white, ball-shaped pompons in abundance. Good white companion to Lavender Lassie 18		.40	1.00	Olive Longland. D. (Kraus.) Pictup. 2. The Mum of the Year in 19 Three-inch apricot-toned salmon-pflowers. One of the "Master Six."	945. oink	Sept. 26	.50	1.25
Loveliness. D. (Lehman.) Pictured p. 15. New 1948. A grand fully double carmine- pink-spoon. Nothing else like it. Really				Orange Queen. D. (English.) La richest golden yellow with orange cast	rge,		.50	1.25
Magenta Spoon. S. (Lehman.) New	Oct. 1	.75	2.00	Orchid Spoon. S. Pictured p. 15. Lov orchid-pink. An excellent variety	vely	Oct. 6	.40	1.00
1948. Lively magenta-rose, spoon-type flowers in profusion. Perfect plant habits. 24 Major Bowes. D. (Large Commercial.)	Oct. 3	.60	1.50	Oriental Glory. D. (Rosebud.) Brilli oriental-red, large flowers with point petals. Good cut flower	nted	Sept. 30	.60	1.50
Pictured p. 27. Large incurved deep lavender	Oct. 20	.50	1.25	Pepita. D. (Kraus.) New 19 Pictured p. 14. Densely quilled butt pompon of eggshell-white with dar	ker			
Brilliant orange-bronze. Excellent for cutting	Sept. 22	.50	1.25	center when young, changing to p white with cream center	ure	Sept. 28	.60	1.50

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	Double; SD., Semi-double; S., Single ne and Description	Height in Inches	Blooming Date		rice Per 3	D., Double; SD., Semi-double; S., Single Name and Description		Blooming s Date		Per 3
F	Ik Dot. D. (Commercial Pon Pictured p. 27. Lavender-pink po with deep rose center. Fine grower	mpon	Oct. 25	\$0.50	\$1.25	Ruby Pompon. D. (Cumming.) tured p. 2. An exciting ruby-cropompon. Upright and very p blooming.	rimson rofuse	Oct. 5	\$0.50	\$1.25
t	ured p. 11. Multitudes of luminous clossoms on rugged plants	s pink	Sept. 24	.60	1.50	Ruby Spoon. D. (Lehman.) New Pictured p. 15. Large, bold, firm, type flower of bright ruby-red.	1948.			
fi	lyanna. S. (De Petris.) Tall, a ul, Iuminous Mayflower-pink with almon sheen	rosy	Oct. 9	.50	1.25	plant	r-inch		.60	1.50
e	lude. D. (Kraus.) Very arly combination of flesh-pink and r pricot. Unexcelled for early cutting	maize-	Sept. 9	.75	2.00	September Bronze. D. (Cum Pictured p. 16. Golden bronze, cu type pompon. Flowers very fro	ming.)	000.2		1,23
G	mula. S. (Kraus.) Pictured p Graceful, free-flowering, yellow The best of the yellow daisy type	single.	Oct. 10	.40	1.00	sistant	herry-		.40	1.00
li	che. S. Large, orchid-rose daisy ghter pink halo	24	Oct. 2	.40	1.00	september Dawn. D. Pictured New large bright rose-pink. Perha	p. 12. ps the	•		
ea	rity. D. (De Petris.) A small de hite pompon. Exceptionally hard arly flowering	y and24	Sept. 25	.50	1.25	September Sunshine. SD. Free-fing early yellow	lower-		.50	1.25
a	rple Cushion. SD. (Rosebud.) Addition to the cushion family. eddish purple	Color	Sept. 15	.40	1.00	Sequoia. D. Pictured p. 25. Exc rich mellow-amber. Very large flower		Oct. 4	.40	1.00
g	gmy Rose. Very dwarf, perky, up rowing rose pompon. Valuable for or potting	r edg-	Sept. 15	.40	1.00	Dainty coral-red; single. Different any other	from	Oct. 8	.35	.90
E	aker Maid. D. (Large Commercarly large greenhouse type. Inged with pink	White	Oct. 15	.50	1.25	Sienna. D. (Kraus.) Dark re orange toned burnt-sienna-brown heavy-textured, long-lasting flower.	n. A	Sept. 16	.50	1.25
w	Anemone. SD. A vivid red-brith crested center of gold	24	Oct. 4	.50	1.25	Silver Ball. D. (Commercial Pon Pictured p. 27. Large, pure white pon. About the best of all cut-flower	pom-	Oct. 15	.50	1.25
Ы	I Cushion. SD. New! Much ellooming than the old type I Gold. D. (Longley.) Pictured	18	Sept. 11	.30	.75	p. 26. White, like a glorified Spaisy.	Shasta	Sept. 28	.40	1.00
Co	The brightest of all pompons. A live ombination of red and orange-gold.	rely 22	Aug. 20	.40	1.00	Silver Pink. D. (Longley.) Up tyrian-rose with silvery cast. Early for cutting.	; good	Sept. 1	.60	1.50
Red	k Red Gold. D. (Lehman.) A port of Red Gold. Color dark ruby-	red22 Pic-	Aug. 20	.50	1.25	Silver Sheen. D. (Large Comme Most popular large white; incurved bud for 6 to 7-inch flowers	Dis-	Oct. 18	.50	1.25
Р	red p. 17. An outstanding bright etals very frost resistant	26	Oct. 1	.40	1.00	Simba. D. (Kraus.) Pictured p Profuse masses of soft orange-l flowers. Splendid for cutting	o. 12. pronze	Sept 4	.50	1.25
P.	. 25. A surpassingly fine, full do elvety crimson. Perhaps the best rimsons.	ouble, of all	Oct. 2	.50	1.25	Snowfall. D. (Kraus.) Soft masses of flowers, slightly tinted cream in cen	white	Sept. 28	.60	1.50
Ы	lwood. SD. (Longley.) Hundre right red flowers on dwarf mounds ellent edging plant. Very free flower	. Ex-	Aug. 19	.40	1.00	Southwind. D. (Kraus.) Mass large Chinese-red flowers toned sa buff, borne on sturdy, much-bra plants.	Imon- nched	Sept. 18	.50	1.25
p.	mbrandt. D. (Cumming.) Pic. 17. A new art color in pompons. nauve with copper blending	Rose-	Sept. 28	.60	1.50	Stalwart. D. (Kraus.) Pictured Very prolific golden bronze por Very frost resistant	npon.	Oct. 2	.50	1.25
S	eingold. S. (Styer.) Pictured phowy burnt-orange, single flowers. f the Northland Daisies	One	Oct. 5	.35	.90	Stella App. SD. (App.) Very p bright bronze. Excellent for garde play or cutting. Extremely good:	orolific on dis- in the			
Ros	Ge Glow. D. (Cumming.) Pictur 7. Very profuse; raspberry-rose	red p.	Sept. 17	.50	1.25	Chicago area. Summertime. D. (Cumming.)	Plant			
cc	Mound. A solid mound of blored flowers over a long period	20	Oct. 2	.50	1.25	Patent No. 689. Pictured p. 26. A summer-blooming Mum. Bright I yellow daisies from August to Oc Good when cut.	emon- tober.	Aug. 15	.75	2.00
st	se Princess. D. (English.) Sal ose, base flushed with gold. A criking flower.	very 24	Sept. 28	.50	1.25	Sunape. D. (U. of N. H.) A new gyellow developed by Prof. Holley.	golden 24		.40	1.00
tu	sita. D. (Kraus.) New 1947. ured p. 14. Compact, light Perse button-pompon. Bush completed with pink buttons	rsian- letely	Sept. 24	.60	1.50	Sundance. D. (Kraus.) Hundred fully double, golden bronze por cover attractive upright plants from September to November	npons n mid-	Sept. 20	.50	1.25

D., Double; SD., Semi-double; S., Single Name and Description Height in Inches	Blooming Date	Each Pr	Per 3	D., Double; SD., Semi-double; S., Single Name and Description Height in Inches	Blooming Date	Each Pri	Per 3
Symphony. D. (Cumming.) An indescribable blend of coppery pink and soft lavender	Oct. 12	\$0.50	\$1.25	Vulcan. D. (English.) Pictured p. 4. Large, nicely shaped flowers of brilliant crimson. We consider this the best red in the English group	Sept. 26	\$0.50	\$1.25
Tangerine. D. (Kraus 1150.) New 1947. Brilliant Spanish-orange—an entirely new color in Mums	Sept. 27	.60	1.50	Westbourne. D. (English.) Pictured p. 4. The darkest of all rich reds		.50	1.25
Thalia. S. Pictured p. 26. Graceful sprays of brilliant sparkling yellow-orange 20		.35	.90	White Knight. D. Pictured p. 18. Large, clear ivory-white of fine form and substance	Sept. 15	.60	1.50
Tiffany Rose. SD. (Carroll.) A brilliant deep rose that attracts attention26	Sept. 30	.50	1.25	White Wonder. D. The perfect free-flowering white, ball-shaped pompon30	Sept. 26	.60	1.50
Tiger. D. (English.) Pictured p. 4. Large; bright crimson on opening, changing to bronze and then yellow. All three colors may be found on the same plant at the				Winterset. D. (Peck.) Strong-growing, large pure white. A valuable addition, as it blooms with Mrs. du Pont and Red Velvet	Oct. 2	.60	1.50
Tolcross Pink. D. (New English.) By far the best English pink. Large solid		.50	1.25	Wychwood. D. (Kraus.) Pictured p. 14. New 1948. In our estimation the most beautiful of all yellow Mums. Flowers fully double, globular, rich, clear canary-			
Tribute. D. (Kraus.) New 1948. Large, full double flowers opening bright daphnered and maturing to daphne-pink. Excel-	Oct. 12	.75	2.00	yellow, slightly deeper near center. Perfect plant habits and excellent healthy foliage. Without a doubt the best new yellow since Charles Nye	Sept. 18	.75	2.0
lent as a border plant	Sept. 24	.75	2.00	Yellow Avalanche. D. (Lehman.) Pictured pp. 12 and 18. The Mum of the Year in 1947. A clear soft yellow bud sport of the white variety	Sent 4	.60	1.5
singles	Sept. 30	.40	1.00	Yellow Cushion Improved. D. A mass of golden yellow all fall		.30	.7
pleasing fuchsia-purple with silvery reflex. Strong grower	Oct. 5	.60	1.50	Yellow Dot. D. (Commerical.) Pictured p. 27. An excellent large yellow pompon32	Oct. 25	.50	1.2
Valiant. SD. (Kraus 1167.) New 1947. A bold flower with long petals of bright rose-scarlet with yellow center25	Sept. 27	.60	1.50	Yellow Spoon. S. Pictured p. 15. Very fine clear bright golden yellow tubes and spoons	Oct. 8	.40	1.0
Violet. D. (Longley, 1946.) Pictured p. 28. Dr. Longley's newest purple. Full double, dahlia-like bloom of good color and substance	Aug. 26	.50	1.25	Zantha. D. (Kraus.) Pictured p. 18. A new perpetual-blooming, clear canary-yellow with ball-shaped flowers. Outstandingly good	Sept. 6	.50	1.2





-Mum Culture and Care-

OUR MUM COLLECTION

Our collection of Hardy Garden Chrysanthemums is the most up-to-date and modern in the country. We are now growing and testing over 500 distinct varieties. We have all the worthwhile new varieties produced by the best originators in the land. These include all introduced by Prof. L. E. Longley of the University of Minnesota, the Chicago Strain developed by Dr. Kraus of the University of Chicago, those originated by the U. S. Department of Agriculture, the new English varieties imported from Canada, Bristol's newest creations, and the better things from other growers.

CULTURE

Hardy Garden Mums are among the easiest of all hardy plants to grow. They will tolerate almost endless neglect and still survive and give some bloom. To have them at their best, give them good culture, a sunny location, a rich soil, and do not let them suffer for want of moisture during the hot summer.

Mums in the garden should be planted in an open, sunny location and should not be shaded by buildings, large shrubs or trees for more than three or four hours per day. Any fairly rich soil, be it sandy, clay or loam, that will grow other flowers and vegetables well, will also grow good Mums. Peat moss, leaf mold or barnyard manure worked into the soil is an excellent conditioner and much to their liking.

PLANTING

Spring is by far the best planting season. The proper planting time is when the spring garden work is well under way and the heavy, ice-freezing frosts are past. Planting can begin about the time early tulips begin to bloom and can be continued until peonies are in bloom. Here in southern Minnesota this would be from about late April until mid-June. Farther south this date would be advanced according to the climate. This gives the plants until fall to develop a good root system and enough top to give abundant bloom. Well-started plants grown in 2½-inch pots and planted with a ball of earth around the roots are the most satisfactory. One-year-old, field-grown clumps seldom give satisfactory results, for they are hard to handle and there are usually not enough roots to support the many shoots that spring up. In replanting old clumps, always divide them into individual shoots. Those from the outside of the clump are the strongest and should be retained; discard the old stumpy center crown. Field-grown divisions packed with moss about the roots are often offered; these will usually grow but seldom give a good account of themselves.

SUMMER CARE

Good culture during the summer, with regular loosening up of the soil about the plants to maintain a constant supply of moisture, to aerate the ground, and to keep weeds from becoming established, is all that is necessary to grow good Mums. One or two applications of a well-balanced commercial fertilizer are beneficial but not absolutely necessary. Roughly, about a small handful of commercial fertilizer per plant at about one-month intervals is sufficient. The first application can be made in late July or early August. This highly concentrated fertilizer should not be used when the soil is dry, because foliage and root burn will result. Be sure that plenty of moisture is available at time of application.

WATERING

The best way to water Mums is to make a saucer-like depression about the plant, lay the hose on the ground, and let the water run slowly. The following day the soil can be loosened up and leveled again. A thorough watering like this should be sufficient for a week or ten days, even during the hottest and driest weather. Sprinkling the plants from overhead should be discouraged, for that invites foliage diseases. By keeping the foliage of Mums as dry as possible, spraying should not be necessary in order to grow a good crop of flowers.

OUR SURE-TO-BLOOM PLANTS

We believe our sure-to-bloom plants, grown from virgin cuttings, well established in $2\frac{1}{4}$ -inch pots and sent to you with a ball of good soil about the roots are the most practical and economical to buy. These potted plants set out as late as early July will, with good care during the heat of summer, make fine blooming plants by October. We have hundreds of letters in our files from nearly every state in the country telling us how well our plants have done in all sections. Many of these plants were shipped over 2000 miles and still did remarkably well.

PINCHING

To have sturdy and well-branched plants it is advisable to pinch the terminal shoots once or twice during the season. This operation is done with the thumb and forefinger and consists of removing about ½ inch of the soft growing tip of the main shoots. The first pinching should be done when the plants are about 6 inches tall, to induce lateral branches. When these lateral branches are 8 to 10 inches tall, their tips should be removed to induce more branches. Discontinue pinching by August 1, as the plants will soon be forming buds. The very early-blooming varieties should not be pinched after July 15. A well-pinched plant will not need staking or other support, since the growth will be strong and sturdy and will stand erect.

GROWING LATE-BLOOMING VARIETIES IN THE NORTH

In the far North it is almost impossible to grow and flower the late-blooming kinds in the garden, because heavy October frosts usually spoil them when in bud. These varieties can easily be enjoyed in the North by digging them up just before hard frosts and planting them in a box or large flower pot. If they are shaded a few days and watered freely, they can be brought into the house or enclosed porch and will be in full bloom for a month or more. Mums are about the only plants we are familiar with, that can be dug from the garden in full bud and bloom, and brought into the house without any noticeable check in growth.

If you find that the color combination of the garden should be changed at blooming time, or you would like a plant in another location, just dig it up carefully, leaving as much soil about the roots as possible, and transfer it to the desired location. It will keep right on growing if water is applied freely. Or, try growing some plants in the vegetable or service garden during the summer. In the fall they can be transplanted to spots left vacant by early annuals.

BLOOMING TIME

It has been definitely proved that Chrysanthemums are sensitive to light and that the length of day determines the blooming time for a given variety. Shading a late-blooming variety with black cloth for a few hours, both morning and evening, will hasten its normal blooming time by two or three weeks. Electric lights will retard its normal blooming period.

Since Minnesota is quite far north, where naturally the fall days are shorter than farther south, a given variety will normally bloom 20 days earlier here than in Texas. We are located approximately 200 miles north of Chicago, and we know that the same variety will begin blooming for us four or five days sooner than in Chicago. From this we deduct that perhaps two days for every 100 miles of latitude is about the average difference in blooming time. Interesting, isn't it?

The MUM of the YEAR 1947

Yellow Avalanche

Greatest discovery in a decade

Everyone loves the fleecy whiteness of Avalanche, the Queen of all Hardy Mums. Now we have something even better—Yellow Avalanche, in soft, blended golden yellow that will give a "lift" to all Mum plantings. Nothing we have ever grown has created the excitement that this new flower has. Just imagine 4-inch, fluffy, soft golden yellow Mums in bloom by early September in your own garden! You cannot afford to be without this excellent, long-stemmed, cutting variety. A "must-have" in every garden!

- Luxuriant color
 - Early blooming
 - Fast, vigorous and dependable grower
 - Perfect cut-flower
 - Clean, strong, attractive foliage
 - An All-American favorite.

HISTORY OF YELLOW AVALANCHE

Four years ago, while checking a planting of 5000 white Avalanche growing in our fields, our Chrysanthemum grower, Mr. Charles Nye, noticed that one plant in the block produced flowers that were a soft golden yellow instead of the usual cream-white. The plant was staked and carefully watched day after day, and lo and behold!—the yellow color became more pronounced and fixed as the buds opened. Credit for the discovery of a new flower belongs to this observing gentleman. A bud sport or mutation is one of the mysteries of nature. The Golden Delicious apple is a well-known example of such a phenomenon.

60c each; 3 for \$1.50

Let Us Make Your Selection

If you prefer to have personal, professional help in selecting the varieties for your particular needs, let us make your selection. Send us the amount you wish to spend for HARDY MUMS, tell us what color and types you prefer—whether for cutting or garden display, whether early, late, or midseason varieties—and we will select the best in our large collection of over 200 varieties. You will be thrilled by the fine plants you receive. All will be labeled and sure to bloom.

SEEING IS BELIEVING

Over 25,000 flower-loving people visit our Mum fields and show each year. We maintain a constant display of more than 300 varieties of the better Mums from early September to November. The overwhelming majority of these folk fall in love with the following varieties as the best things they see at our Gardens. 25,000 people can't be wrong!

20 Leaders

Autumnsong Heatherbloom Avalanche Martin's White Betty Olive Longland Charles Nye Pink Radiance Chiquita September Dawn Chris Columbus Sienna Courageous Tangerine Eggshell Tiffany Rose Fred F. Rockwell Vulcan Glowing Coals Yellow Avalanche

FROST RESISTANCE OF FLOWERS

In the past few years more attention has been paid to the damage done by frost to both buds and petals of different varieties. Some kinds—especially the white and lavender sorts—are damaged by the first light frosts, while others show no damage even when the temperature goes below freezing. Many varieties just keep right on blooming as though nothing had happened, while others are completely killed. We found the following varieties still in excellent condition in our fields on November 7 after four or five early freezes had spoiled most kinds:

Apricot Glow Glowing Coals Autumn Greetings Heatherbloom Autumnsong Lavender Lassie Autumn Sunlight Maroon 'n' Gold Betty North Star Bonfire Olive Longland Coral Sea Peachblow Courageous Red Gold Cydonia September Bronze Drifted Snow Thalia Eureka Giant Tussore Fred F. Rockwell Zantha

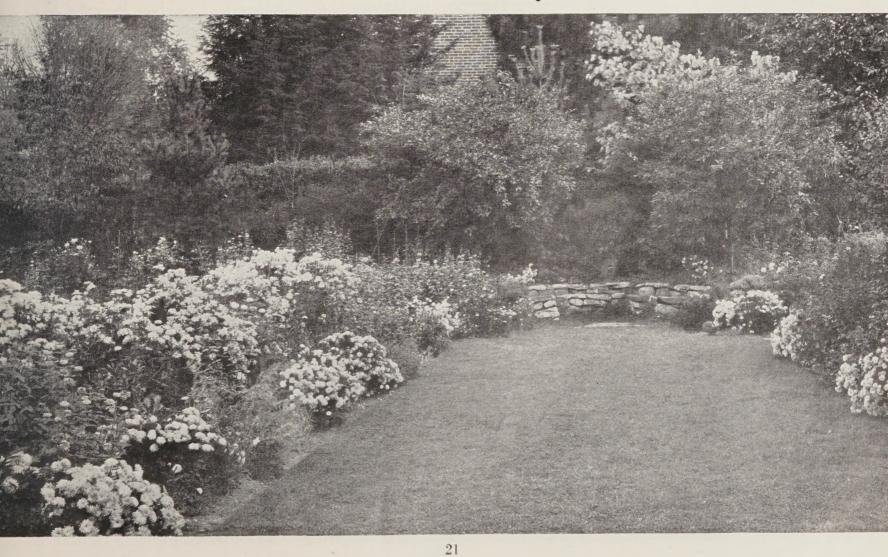


Chrysanthemum SNOWBALL



The various Chrysanthemum types combine well to make a most attractive arrangement for home decoration.

Mums make a colorful October garden



Mums from Minnesota

A splendid collection of 17 very fine Mums. Includes all types, colors and blooming season. Every one a winner.

M editation

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M artin's White

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F red F. Rockwell

O live Longland M aroon 'n' Gold

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vory Spoon

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E ggshell

talwart

O riental Glory

angerine

A valanche

BLOOMING SEASON 1947

Throughout most of the country last year, an unusual growing season was evident. The spring was wet and cold, making it impossible to work the ground or plant Mums in many places until late May and early June. The summer was generally hot and dry. From mid-August to October we had the highest temperatures, day after day, that we have ever had in these parts. Mums, being cool-weather plants and sensitive to high temperatures and light, reacted by delaying the formation of bloom buds until cool weather set in. This caused the early kinds to flower from four to six weeks later than usual. The midseason kinds bloomed about two to three weeks later than normal and the late kinds were a week to ten days

The only compensation was that the killing frost date for Mums was much later last season than ever before. In late September a large mass of cold air covered about one-half of the country, killing such tender things as glads, dahlias, and most annuals, but did little or no damage to Hardy Mums. After this we had six glorious weeks of Mum bloom until killing frost struck here on November 8.

NEW ENGLISH VARIETIES

From our tests of the new English varieties we find we are a bit too far north to bloom all of them successfully. We have, however, had some good reports from central Indiana, Pennsylvania, New Jersey, Oklahoma, and the Pacific Northwest, where they have done very well.

The flowers are decidedly larger than those of our other hardy kinds, but there are fewer of them. The colors are good. The substance of the flowers is decidedly heavier than other outdoor kinds and they approach the greenhouse types for lasting qualities. The plants are very strong, rampant growers and some are inclined to be a bit ungainly.

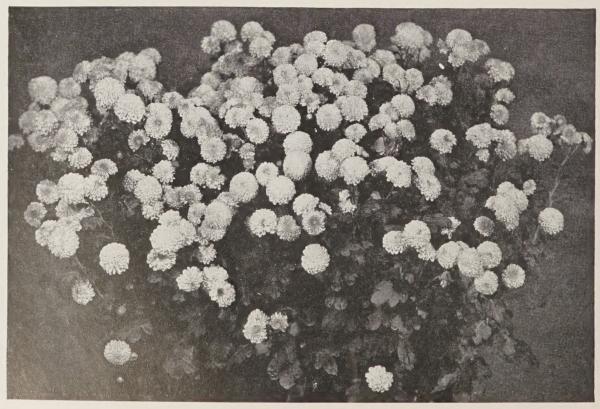
The following did very well for us last season and were much admired by all who saw them: Challenger, Coppelia, Golden Dome, Indiana, Leda, Mrs. J. Phillips, Orange Queen, Tiger, and Vulcan.

We originally tested 50 varieties of these English Chrysanthemums. We selected the best 18 of these and discarded all the others as not being worth while. Our list comprises the "cream of the crop."

THE MARCH OF MUMS

In order to fulfill our slogan, "The Mums of Tomorrow—Today," and to keep our collection modern and up to the minute, we try out every new kind we hear about. Many of these new developments are good; a few are superior to existing kinds. Progress is being made toward mor beautiful and useful Hardy Chrysanthemums, and in order to keep in step with this development we have this year discarded the following, which have definitely been superseded by newer and better kinds:

Detroit News	Replaced by	Hilda H. Bergen
Early Ace	1	
Elite		
Flashlight	Replaced by	. Glowing Coals
Friendly Rival		
Gleam o'Gold	.Replaced by	. Charles Nye
Gold Mine	. Replaced by	Jean Harlowe
Harvest Queen	Replaced by	. Yellow Avalanche
Louise Schling	.Replaced by	. Crimson Splendor
Peachblow	.Replaced by	Prelude
Pirate Gold	. Replaced by	.September Sunshine
Polar Ice		
Pygmy Pink	. Replaced by	Pygmy Rose
Rose Spoon		
The Moor	.Replaced by	Autumnsong



THE ABC OF MUM CULTURE

Apple-blossom time is the beginning of Mum planting time.

- Bonemeal is an excellent fertilizer for Mums. Cover with porous light material for winter. DDT 5% dust or spray will keep bugs off.

Early varieties are not recommended for hot climates.

Fall planting is not recommended in the North.

Give Mums an ordinary good rich soil.

Hardy Mums bloom from August to November.

Ice over the crowns in winter will kill them. Join the National Chrysanthemum Society.

Keep well watered during hot dry weather. Leaves are not good cover unless kept dry.

Mums from Minnesota can't be beat.

Nicotine sulphate (Black-Leaf 40) will kill aphis.

Overhead watering is not recommended. Pinching keeps plants sturdy and low. Quality will improve by cultivation.

Remove all but a few buds to grow those large flowers. Shade will make plants grow taller and bloom much later.

Transplant late varieties into pots before frost and enjoy them in the house.

Use a tablespoonful of commercial fertilizer per plant to give

plants a good start. Very close planting will make spindly plants. Eighteen inches

apart each way is sufficient.
Window-boxes are beautiful planted with Mums in fall.
Plant only sure-to-bloom plants.

Young, vigorous, 2½-inch potted plants are best.

Zinc labels are permanent.

Our Fall Mum Display

Everyone is cordially invited to our annual Fall Mum Show. Last season we had over 100,000 plants in our fields and well over 1,000,000 flowers. Here you can see growing side by side more than 500 varieties of Hardy Chrysanthemums. Many of these are seedlings—the Mums of Tomorrow—in the different stages of selection. Really, it is a beautiful sight to see. Our very first varieties begin to bloom about mid-August, and by early September a great many of the earlier kinds are in full bloom. Between September 15 and 25 is usually when the fields are at their best. During this time and up to Thanksgiving we maintain a display of most all varieties in our greenhouses. This alone is well worth seeing. If you can, come and enjoy the MUMS with us.

Mums for Your Window-box

When the first light frosts of fall have made your window-boxes unsightly by killing the tender plants in them, you can enjoy the full glory of Mums. These dreary-looking window-boxes can be transformed into a fairyland of color for two or three weeks by simply transplanting Mums from your garden into them. Select low, compact plants in full bud and bloom, dig them carefully and plant directly in the box.

WINTER PROTECTION

The purpose of winter protection is probably more to keep the cold in the ground than to keep it out. Here in southern Minnesota where the temperature often goes as low as 25 degrees below zero, we seldom have many hardy. Mum casualties from winter injury. We usually have many hardy Mum casualties from winter injury. We usually have snow covering our gardens from December to March. It is probably the alternate thawing and freezing that does the winter damage to garden Mums. We have found that any light material that will stay more or less dry during the winter, is ideal for covering. Excelsior, evergreen boughs, marsh hay, or corn stalks are very good if applied after the ground is frozen. Leaves are usually not very satisfactory, for they are a soggy mass by spring and tend to rot the crowns. Dry leaves, applied in the fall and covered with any waterproof material to keep them dry, are ideal. The U. S. Department of Agriculture has found that rock wool batts—the same material used in insulating houses—is perhaps the closest substitute for snow of anything found so far. The original cost would be greater, but since this is a mineral material, it would not rot and could be used year after year.

MUM "DONT'S"

Don't be Mum-less.

Don't plant in the shade. The plants will grow too tall and bloom weeks later.

Don't plant Mums in the fall in the North.

Don't plant extra-early varieties in the South, for they will bloom too early when the weather is still hot.

Don't plant any but sure-to-bloom Mums for best results.

Don't water from overhead.

Don't pinch early varieties after July 20, because buds are forming by that time.

Don't CUT the flowers for bouquets; break them off, and they will absorb a greater amount of water.

Don't kill them with kindness.



What Other People Say:

Nyack, N. Y.

Such sturdy stock, so well prepared for shipping and in such perfect condition upon arrival. It is a pleasure to do business with you and I. shall tell others about you whenever the opportunity presents itself. Thank you.—Mrs. A. C. G.

Charleston, W. Va.

The writer has bought plants from various reputable concerns and can say honestly that he has never dealt with anybody that uses the care in shipping that you do. These plants arrived in absolutely perfect condition, and the care and attention that you had given to the handling was very apparent. You are to be complimented on your method and in the interest which you show in getting your mums to your patrons in the best possible condition.—A. H. L.

Cumberland, Md.

As a businessman it is a pleasure to deal with a firm who presents, classifies and qualifies its product by such business-like methods.

Last year I planted about sixty named varieties from several different firms. Your plants were by far the most superior and except for a few English types were the only ones to survive outside, wintering 100%. It is a pleasure to recommend you to our friends.—M. G. T.

Portland, Ore. Your shipment of mums arrived today in perfect condition. Each plant so fresh and sturdy, it was hard to believe they had been in transit for several days. You do an excellent job in packing, and we have always received mums from you in first-class condition. Thank you very much for the extra mums you sent as a gift.-Mrs. H. P. V.

I am pleased with the mums I received from you this spring. They are starting to bloom now and they are beautiful. I'm glad to deal with people that think enough of their plants to give the care in shipping that you do. I did not lose one plant of the 25 plants that you sent.—R. P.

Each was a beautiful plant, the finest I have bought from anywhere in the Nation, and it is real pleasure to be able to tell you so. Thank you.—W. R.

Beyond a doubt the plants you shipped me were far superior to others I received from two different houses. Also, you have a wonderful process of packing plants to enable them to reach us in such fine condition. Thank you.—Mrs. E. L. H.

McClelland, Ia.

I am so happy over my beautiful chrysanthemums that I just had to write and thank you. Last spring I ordered a collection of twenty from you, to bloom over a period of several months. They were all packed so wonderfully and came in such fine shape. I never saw anything so full of gorgeous bloom as my mums. The early ones had scattered bloom until about two or three weeks ago, then they were beautiful. At present every one is in full bloom. The colors are all very lovely. I have quite a few other chrysanthemums but yours are truly outstanding. A number of my garden friends are sending for your catalog.—A. C. M.

Jackson, Miss.

I want to thank you for the lovely mums recently received from you.

I have bought other plants from different nurseries in other parts of the country and none have been received that were as sturdy looking or as well packed.—Mrs. J. B. C.

The mums I ordered arrived in perfect condition. Many thanks. Please enter my name on your file for next year's catalog.—H. S. M.

I just wanted you to know how well pleased I am, and I surely will pass the word on to my friends. I thank you.—Mrs. J. W.

I want to thank you for your shipment of such beautiful plants and to congratulate you on the excellent and superior condition in which they arrived. I await their blooming with highest hopes.—Mrs. E. C. H.

Allen Park, Mich. The chrysanthemums I ordered from you arrived in fine condition. They are growing beautifully in the garden with hardly a wilted leaf. I also wish to take this opportunity to thank you for the two fine extra plants enclosed with the order. I'm telling all my friends about your company.—Mrs. P. S. D.

The mums ordered from you arrived today and I take this opportunity to express my thanks and appreciation for the fine quality of merchandise. The plants were simply superb and you can look forward to future orders.

—V. D. R. The mums ordered from you arrived today and I take this opportunity

I can very well understand your customers' expression of appreciation of the healthy condition in which their orders arrive because my last shipment was absolutely perfect. The leaves on every plant were as fresh as though they had been dug within the hour and so meticulously packed and labeled.—F. E. I.

My order of chrysanthemums arrived yesterday in very good condition and the plants are lovely.—J. D.

My order came in good shape. Out of the 130 plants there was not a bad one. I surely thank you for your good selection. All are high-class varieties. Thank you.—E. S.

Your mums were wonderful in my garden for almost two months. Every one of the plants bloomed and they were outstanding. I can say the same for my son's garden. My mums were seen by hundreds of people.—B. H. R.

Rabway, N. J. My order of chrysanthemums arrived yesterday in fine condition, as fresh as if they had just been taken from the greenhouse. The plants I have had from you in previous years have been satisfactory in every way. I assure you I am grateful for the pleasure your fine plants have given me.—H. C. C.

Wish to take this opportunity of expressing our appreciation for the very fine quality of all plants you sent and also for the "just right" packing. They all came through in good shape and were the best plants received from anyone this season.—O. L.

Front Royal, Va.

Never have I been better pleased with nursery stock, nor have I seen better packing. You are to be congratulated on both. Gardening has been my hobby for over thirty years and I have ordered from nurseries in many states.—Mrs. J. E. S.

Galesburg, Ill.

My mums arrived yesterday and to say I was pleased is a gross understatement! The plants are so beautiful and husky! I have ordered plants for the past ten years, hundreds of dollars' worth, from the leading nurseries in this country and I have never had plants like these—packed so well. Thank you also for the free plants you sent me.—M, L.

My order of mums came through in excellent condition. They were perfectly packed, not one crushed or bruised. That is a good record for such a number of plants.

We were also pleased with the strong, vigorous plants. This is the third or fourth year we've ordered from you and have always been satisfied.—Mrs. F. C. B.

Minneapolis, Minn.

The chrysanthemums that you sent to me this spring are now in full bloom, and I am very pleased with them.

Especially would I like to compliment you on the condition in which the young plants were received from you. Their size and huskiness was excellent and the packing was the best that I have ever experienced.

—W. E. V. S.

Toppenish, Wash.
I received the mums today and they are very nice. I don't see how you send them so far and have them arrive as fresh as when you pack them. No one else can do it. Thank you for the gratis.—Mrs. J. A. R.