

CIRCULAR H-1

MARCH 1974

Cooperative
North Extension
Dakota Service
State
University Fargo, North Dakota/

GARDEN VARIETIES

ROBERT G. ASKEW
Extension Horticulturist

EARL SCHOLZ
Associate Horticulturist
Agricultural Experiment Station

NEAL HOLLAND
Professor of Horticulture

1973 CANNONBALL



RECOMMENDED VEGETABLES

VEGETABLE	DAYS	VARIETAL DESCRIPTION AND USE	VEGETABLE	DAYS	VARIETAL DESCRIPTION AND USE
BEANS (GREEN)* Topcrop *(Freezing, See p. 4)	49	Pods round, medium green, somewhat curved; use fresh, frozen.	BEETS*		Beet greens are an excellent source of Vitamin A.
Provider	50	Dependable, heavy early yields; pods straight and smooth, fully round.	Ruby Queen	52	Round with smooth shoulders and crown. Small tap root.
Wade	53	Pods round, dark green, straight; long harvest season. Use fresh or frozen.	Detroit Dark Red	58	Globe shaped, skin dark red, flesh deep blood red.
Improved Tendergreen	54	More productive than Tendergreen type. Pods set well off the ground.	Sweetheart	60	Extra sweet, tender, solid red color, good for pickling.
Tendercrop	56	Smooth, meaty dark green, with slow seed development.	BROCCOLI*		Plant transplants. Use while buds are small and tight; do not allow heads to flower.
BEANS (WAX)* Topnotch Golden Wax	50	Improved Golden Wax, pods thick-flat, golden-yellow, stringless. Use fresh or frozen. Early.	Cleopatra	55	Hybrid, large, compact central head; vigorous side shoots. Long period of production.
Pencil Pod Black Wax	56	Popular for home freezing. Very productive.	Spartan Early	55	Dark green head, short stem; spring or fall planting.
Goldcrop	60	1974 AAS. Excellent variety for freezing or for eating freshly cooked.	BRUSSEL SPROUTS*		Requires aphid control. Plant transplants.
BEANS (POLE)* Blue Lake	67	Good climber with pod set from base to top of plant. Excellent for freezing.	Jade Cross Hybrid	85	Plants tall; sprouts firm, medium size.
BEANS (LIMA)* Henderson Bush	65	Dependable. Very uniform growth. Table or freezing.	CABBAGE		Plant transplants. (Early varieties may be direct seeded.)
			Stonehead	60	Extra early, extremely solid interior, very compact six inch heads 3½ lbs. Family size.
			Golden Acre YR	63	Round, light green, small (3 lbs.) Family size.
			Ruby Ball	68	For trial, Hybrid. Firm round heads of dark red color. Small core.
			Market Topper	73	Good quality, uniform heads and has the ability to stand without bursting.

CASE

S

544.3

N

A8X

No. 1

VEGETABLE	DAYS	VARIETAL DESCRIPTION AND USE	VEGETABLE	DAYS	VARIETAL DESCRIPTION AND USE
CABBAGE (cont.)			CUCUMBERS		
Market Prize	76	Vigorous, uniform hybrid. Blue-green color.	<u>Pickling:</u>		
Savoy King	82	Hybrid Savoy. Large, uniform heads, flattened, globe-shaped. Good quality. Split resistant. For salads.	Spartan Dawn	50	Gynoecious hybrid. Semi-blocky, slightly tapered toward blossom end, dark green, dark spines.
			Improved Long Green	63	Desirable for ripe pickles. Home garden use.
CARROTS*		Excellent source of Vitamin A.	CUCUMBERS		
Nantes (Coreless)	68	Narrow cylindrical shape; medium long with slight taper and blunt tip. Crisp and tender.	<u>Slicing:</u>		
Red Cored Chantenay	68	Reddish-orange, uniform, tender and sweet. Core about same color as flesh. For storage, freezing and canning.	Spartan Valor	60	Gynoecious hybrid. Dark green, 8-9 inches long. Good producer.
			Victory	60	1972 AAS. Disease resistant, gynoecious hybrid. Good yielder, excellent quality.
			Marketer	66	Dark green, smooth. Good color, long, slim shape and firm flesh.
			Marketmore	70	High yield, straight. Scab and cucumber mosaic tolerance.
CAULIFLOWER*		Set out transplants about May 15-20. All must be tied as soon as curd is visible.	LETTUCE (BUTTER-HEAD)		
White Horse	55	Very uniform with deep mounded firm snow white heads.	Summer Bibb	62	Slow bolting; can be grown almost throughout the season.
Snowball Variety M.	59	Extra vigorous, large smooth white heads, well protected by inner fold leaves. Be certain to choose type M.	Buttercrunch	64	Vigorous, very attractive, delicious leaves with tender ribs.
			LETTUCE (HEAD)		
SWISS CHARD			Pennlake	72	Head medium to small. Interior crisp and firm. Best variety.
Lucullus	50	Leaves yellowish green, heavily crumpled with cream colored slender midrib.	LETTUCE (LEAF)		
SWEET CORN*			Black Seeded Simpson	44	Large, upright, compact, leaves light green, broad and frilled. Good quality.
Royal Crest	64	First early hybrid. Short shanked with very good taste qualities.	Grand Rapids	45	Popular loose leaf variety capable of continuous growth under adverse conditions.
Earliking	66	Ears 7" long, 12 row and well filled. Excellent first crop.			
Golden Rocket	67	Early market corn. Good quality.	MUSKMELON		Set out 20 day old transplants for early crop. For more earliness and higher yield, use clear plastic mulch.
Morning Sun	72	Sweet tender kernels, outstanding in maturity class.	Minnesota Midget	60	Early, small fruited (4 inch) short vine type.
Golden Beauty	73	Uniform ears, 6 to 7½ inches long. Does well in short season.	Delicious 51 Seeds Transplants	90 78	Large oval to round fruits; coarsely netted. Orange flesh; quality good in warm seasons.
Yukon	75	For trial. 8 to 9 inch ears. Good quality, tender pericarp.	Gold Star Hybrid Seeds Transplants	94 80	Oval fruit, medium size, heavily netted with firm rind; flesh orange. High quality despite adverse weather.
Golden Cross Bantam	84	Plant tall, good quality; standard hybrid sweet corn. Fresh or freeze.			
NK 199	84	For trial, late. Widely used by processors, home and market gardeners. Excellent quality.			
Early Xtra Sweet	85	Super sweetness. Corn retains sweetness over a reasonably long period. Keep isolated from other corns.			

VEGETABLE	DAYS	VARIETAL DESCRIPTION AND USE	VEGETABLE	DAYS	VARIETAL DESCRIPTION AND USE
ONIONS		Direct seed or transplant for larger size.	SPINACH		
Early Yellow Globe	98	Medium large, globe to flattened globe, skin tough, light yellow, flesh firm and white.	America	52	Leaves glossy, thick, dark green, rounded, heavily savoyed. Slow bolting type.
Ebenezer (sets)	105	Medium size thick-flattened, small neck. Skin yellow, flesh fine textured, mild, very firm.	SQUASH*		
Southport Red Globe	110	Medium large, deep globe shaped small neck, skin dark glossy red, flesh fine grained.	<u>Summer:</u>		
Southport White Globe	110	Medium size, globe shaped. Skin pure white, flesh ivory-white, fine grained, mild flavor.	Aristocrat	48	1973 AAS. Bush plants. High quality, early.
			Early Prolific Straightneck	51	Plants bush, fruits straight, tapered; skin fairly smooth, lemon yellow. Fresh or frozen.
			Seneca Butterbar	51	Hybrid, long cylindrical shape. Bush plants. Yellow fruit, productive.
			<u>Winter (Storage):</u>		
			Gold Nugget	90	Bush type. Fruits small, flattened medium thick, golden yellow flesh. Hard orange skin. Bake whole.
PARSNIPS*			Emerald	100	1973 NDSU introduction, bush type, very thick orange flesh of high quality.
Improved Hollow Crown	95	10 inches long by 3 inches thick at the shoulder. Vigorous, good quality.	Buttercup	100	Large vine-green skin with turban. Excellent quality.
			Kindred	100	Short vine, productive. Fruits red-orange; medium size.
PEAS*			TOMATOES		
Little Marvel	62	Plants about 1½ feet tall; productive. 7-8 peas per pod.	<u>Cherry-type:</u>		
Lincoln	66	Large vine, pod 3-3½ inches. 5-7 per pod. Long season harvest.	Droplet	65	Early, fruits solid, crack resistant. Holds well on vine after ripening.
Wando	70	Large upright vine, peas medium large; good quality.	Small Fry	68	Hybrid cherry tomato. Color is bright, 1-inch fruit, marble round in shape.
			<u>Standard:</u>		
PEPPERS*		Set out transplants..	Lark	59	Early, globe-shaped fruits, small to medium size. Good red interior color. NDSU 1973 Introduction.
Merrimack Wonder	63	Very early. Yields under adverse conditions.	New Yorker	59	Early, medium size fruits. Very susceptible to leaf diseases. Keep sprayed with fungicide.
Lincoln Belle	65	Sets good quality fruit during cooler early summer season. Large, blocky, high quality.	Starfire	65	Early determinate variety - globe shaped fruits.
			Sheyenne	66	Medium to large fruits, globular, smooth. Very productive-main crop tomato.
PUMPKIN*			Firesteel	68	Scarlet, large, smooth flattened to deep globe, firm flesh.
Cinderella	95	Bush-type pumpkin, 10 inch, attractive.	Spring Giant	68	Hybrid, vigorous vines. Large, deep globular fruits.
Cheyenne Bush	100	Small, bright orange, flesh solid, deep golden yellow. Excellent for pies.	Cannonball	71	1973 NDSU Introduction. Large, deep globe-shaped fruits. Excellent quality.
Sugar Pie	108	6-8 lbs., dark orange. Excellent for canning and pie.			
RADISHES					
Cherry Belle	24	Globe to round, bright cherry-red; solid and crisp.			
Champion	28	Large, remains crisp and firm to fairly large size.			
White Icicle	30	Roots 4½-5 inches long, smooth, slender, tapering. White skin, mild.			

VEGETABLE	DAYS	VARIETAL DESCRIPTION AND USE	VEGETABLE	DAYS	VARIETAL DESCRIPTION AND USE
WATERMELON			F ₁ Hybrid Top Yield for trial		Set out 20 day old transplants for early crop. For more earliness and higher yield, use clear plastic mulch.
New Hampshire Midget	80	Fruits small (2-4 lbs.) oval-round, skin medium green, darker green netting. Fair quality, seedy.	Seeds	90	Vigorous, disease resistant. Oval shaped, light-green skinned, about 20 lbs. Good quality. High yielding and early production when transplanted on clear plastic mulch.
Sugar Baby	88	Ice box variety, oval-round; skin black green with faint darker strips. Very attractive when cut.	Transplants	80	

USEFUL GARDEN INFORMATION

PLANT IN FIELD	VEGETABLE VARIETIES	SEED IN HOTBED	DISTANCE BETWEEN ROWS	DISTANCE BETWEEN PLANTS
HARDY VEGETABLES: Sow seed or transplant hardened plants as early as ground is ready to work well in spring (Average about April 20 for 2/3 of state)	Asparagus		4 ft.	24 in.
	Broccoli	Apr. 1	3 ft.	18 in.
	Cabbage (early)	Apr. 1	3 ft.	18 in.
	Cabbage (late)		3 ft.	18-24 in.
	Onions (seed)		1½ ft.	2 in.
	Onions (transplanting)	Apr. 1	1½ ft.	4 in.
	● Peas		2 ft.	2 in.
	● Radishes		1½ ft.	1 in.
	Rhubarb		5 ft.	4 ft.
	Rutabaga		2 ft.	6 in.
Spinach		2 ft.	4 in.	
HALF-HARDY VEGETABLES: Sow seed or transplant hardened plants a week or two before average date of last killing frost in your area. (Average about May 10 for 2/3 of state)	Beets		2 ft.	2 in.
	Carrots		2 ft.	2 in.
	Cauliflower	Apr. 1	3 ft.	18 in.
	Lettuce (leaf)		2 ft.	8 in.
	Lettuce (head)	Mar. 15	2 ft.	15 in.
	Parsnips		2 ft.	4 in.
	Potatoes		3 ft.	12 in.
	Swiss Chard		2 ft.	6 in.
TENDER VEGETABLES Sow seed or transplant plants when soil is warm and after average date or danger of last killing frost in your area. (Average about May 25 for 2/3 of state)	Beans (wax and green)		2 ft.	4 in.
	Beans (dry and field)		2 ft.	4 in.
	Beans (lima)		2 ft.	4 in.
	●● Cucumbers		5 ft.	1 ft.
	●● Muskmelons		8 ft.	1 ft.
	Peppers	Apr. 1	3 ft.	18 in.
	Popcorn		3 ft.	12 in.
	Pumpkins		10 ft.	2 ft.
	Squash (summer)		3 ft.	2 ft.
	Squash (winter)		10 ft.	2 ft.
	Sweet Corn		3 ft.	12 in.
	Tomatoes	Apr. 20	5 ft.	4 ft.
●● Watermelons		8 ft.	1 ft.	

● Plant peas in paired rows 6" - 12" apart with 2 foot aisles between double rows.

●● Vine crops, though commonly planted in hills, would be best grown in rows with plants spaced one to two feet apart.

Although many strains and varieties of garden vegetables may be acceptable, some have consistently performed well under our conditions. Suggested vegetable varieties for North Dakota are listed in order of maturity (number of days required to produce a usable product) for each kind of vegetable. Seasonal weather conditions and growing location can influence the amount of time required to mature a given vegetable. We suggest selection of short season varieties for northern sections of the state. Vegetables starred (*) suitable for freezing; all varieties acceptable.