



1967  
Vege-  
table  
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eties



Orrin C. Turnquist

# 1967 Vegetable Varieties

ORRIN C. TURNQUIST

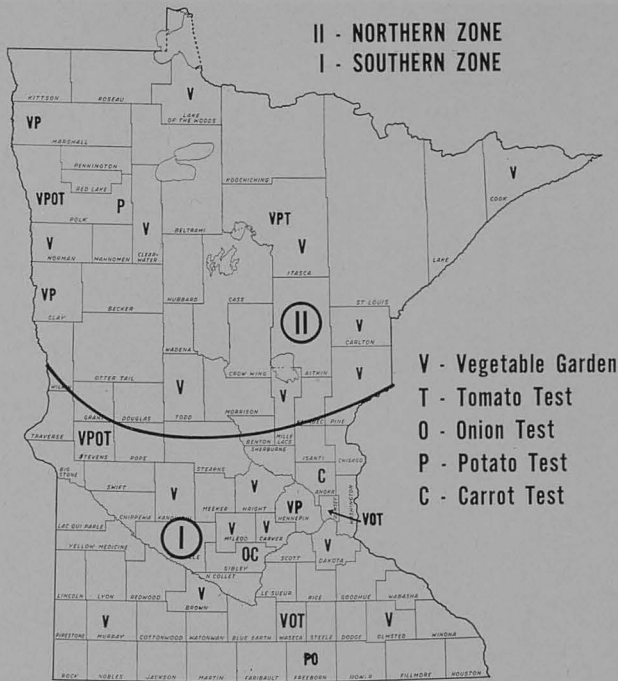
The selection of adapted vegetable varieties for Minnesota is a simple but important step to a successful garden. Not only are newer introductions better producers than older varieties, but many are also disease resistant and of higher quality.

In this folder we summarize information concerning vegetable varieties tested in Minnesota in 1966 (see map). These tests were conducted by the Agricultural Extension Service in cooperation with home and commercial gardeners.

A list of suggested tested varieties that were found suitable for Minnesota appears on page 14. Although other varieties may be acceptable for Minnesota, they have not been tested or are not generally available from seedsmen. Only after several years of testing can we judge a variety's dependability for an area. All varieties discussed are available from seedsmen, but no one seed company has all of them. Special emphasis is given to varieties good for freezing.

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## Locations of 1966 Test Plots

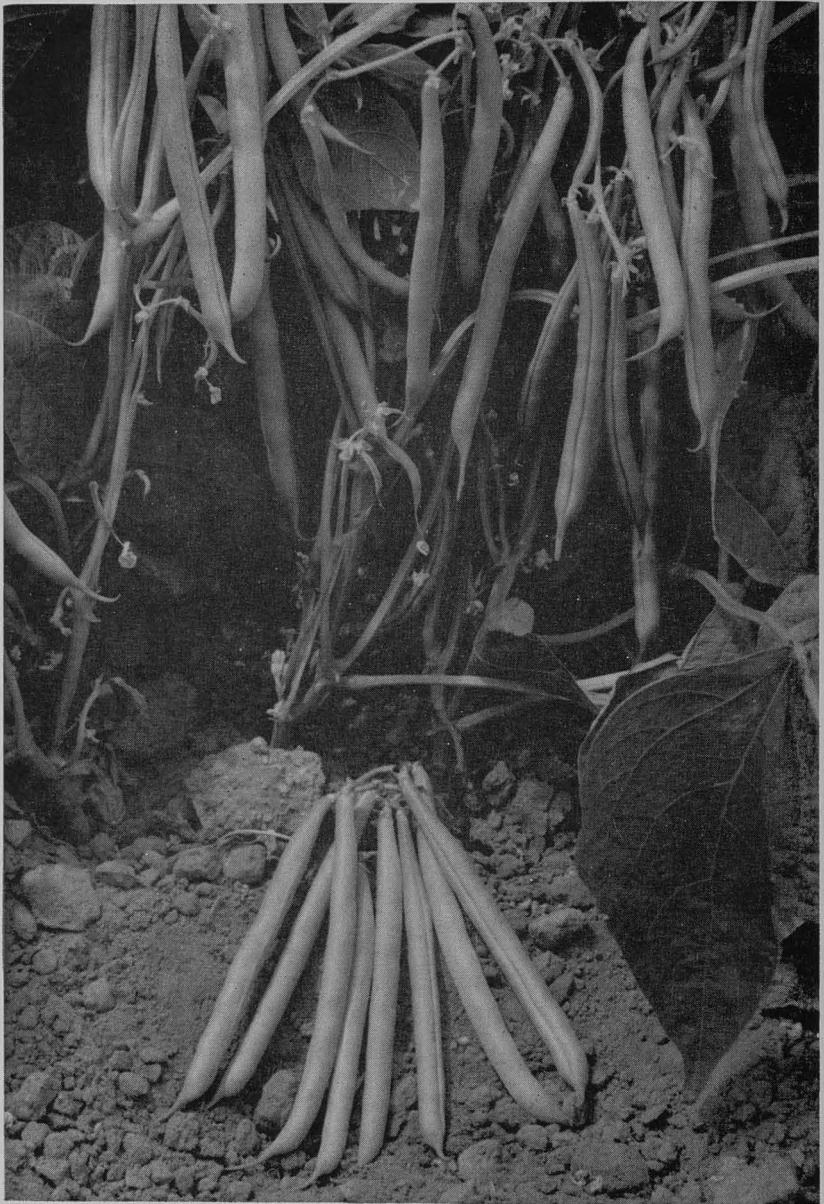
### SNAP BEANS

**Provider**—A new early productive bean with superior quality to Topcrop. Pods are straight, smooth and round to creaseback. They are about 5¼ inches long and a medium-green color. Seeds are purple. Plants are resistant to bean mosaic and powdery mildew. Most cooperators liked the quality of Provider and ranked it second to Tendercrop in the 1966 trials.

**Spartan Arrow**—A new variety with attractive green pods that average 6 inches long and are smooth and oval in cross section. The set of beans is well concentrated in large clusters for easy harvest. Spartan Arrow rated good in yield and quality at most locations.

**Sprite**—Another attractive white seeded bush bean with compact, mosaic resistant plants. Pods are 5-5½ inches long, straight, slim, and nearly round. They are produced in a heavily concentrated set. Seeds are small, pure white, and slow to develop to large sizes. In 5 years of testing, Sprite has been rated as one of the best in the trials by cooperators.

**Executive**—A relatively new introduction that is becoming popular



**Tenderette Snap Bean**

with both home and commercial gardeners. Gardeners indicate excellent results with this snap bean during the last five years of trial. Pods are dark green, round in cross section, and of good length. They are smooth,

stringless, and slightly curved with rather long points. Seeds are a light tan gray and slow to develop.

Plants are mosaic resistant and produce concentrated sets of pods that ripen at one time. For heavy yields and continuous harvest, several successive plantings are suggested.

**Tendercrop**—An excellent snap bean—consistently one of the most dependable varieties in Minnesota garden trials. It combines the mosaic resistance and high yield of Topcrop with the attractive, dark pods and high quality of Tendergreen.

Dark-green, stringless pods are 5-5½ inches long, round and nearly straight. They hold their slim shape and high quality for a long period on the vine. Tendercrop is an excellent all-purpose bean for fresh use, canning, or freezing.

**Tenderette**—Another new, deep-green bean with attractive smooth pods. The straight pods, 5-5½ inches long, keep their smoothness and freedom from fiber even when they grow to larger sizes. Seeds are pure white. Heavy yields are produced on erect plants that hold the beans up and off the ground. Testers reported good yields and solid, meaty pods with good flavor.

## BEETS

**Mono-King Explorer**—A new development in table beet varieties featuring a single germ instead of the usual multigerm seed. This makes possible the precision or space planting of beets and eliminates the need for thinning. Seeds germinate two days earlier than multigerm seeds.

Roots are round to slightly tapered with a smooth skin, small crown, and small tap root. Tops, averaging about 12 inches tall, are dark green and erect. Interior color is dark blood red. Most evaluators scored this new beet very high last year.

**Ruby Queen**—An excellent table beet that continues to be one of the best for home and market. The globe-shaped roots have a smooth shoulder and crown. They reach usable size earlier than most varieties. The interior is a bright red with fine texture.

## CARROTS

**Pioneer Hybrid**—A new F<sub>1</sub> hybrid carrot that resembles the old popular Nantes in shape, quality, and earliness. Because of its hybrid vigor, it is quick to grow to usable size. Roots are medium in length and uniform in size and shape; the color is deep orange inside and out. Cores are very small and indistinct. In two years of trial, Pioneer Hybrid has rated very high in both yield and quality.

**Waltham Hicolor**—A relatively new, long, tapering, and richly colored carrot with a short top. Roots are extremely long, often approaching 10-12 inches. The skin is smooth with deep reddish-orange color inside



Waltham Hicolor Carrot

and out. It also has some tolerance to leaf blight. Most gardeners reported good results with this carrot.

**Scarlet Nantes**—A popular, sweet, and dependable carrot for the home garden. Except for Pioneer Hybrid, it reaches usable size earlier than other varieties. Roots are long, cylindrical, and stump rooted. The interior color is a uniform reddish orange.



Scarlet Nantes has consistently received the highest rating of all carrots tested in Minnesota trials.

**Royal Chantenay**—An improved strain of the Red Cored Chantenay with longer and more cylindrical roots. Interior color is a deep reddish orange, right through to the center. It is especially suited to heavy, shallow soils where longer varieties are more difficult to grow. Growers rated this variety high in yield and quality. The Royal Chantenay is excellent for storage and processing.

## CUCUMBERS

**Empress**—A new all-female hybrid cucumber for slicing. In addition to its earliness, this variety is resistant to scab or spot rot, mosaic, and mildew. Fruit shape and color was reported to be quite variable but productivity was good. Quality was only fair.

**Crusader**—A new all-female pickling hybrid cucumber. It produces early yields of cylindrical, blunt ended fruit of a medium-green color. Fruits are uniform in shape in practically all size classes. It is tolerant of both mosaic and scab. The Crusader rated fair to good in garden trials last year.

**Early Surecrop Hybrid**—An older  $F_1$  hybrid slicer that has good vigor and some disease resistance which contributes to its productivity.

### Crusader Cucumber





**Saticoy Cucumber**

The long, dark-green fruit has a small seed cavity. This cucumber scored fair to good in yield and quality.

**Saticoy**—A new hybrid slicing cucumber that has received good ratings in 6 years of trial. It is resistant to mosaic and tolerant of downy mildew. Fruits are a solid dark green with a moderately warted surface. They average 7-8 inches long with a slight taper to the stem. The fruits are slow to become overmature.

**Straight Eight**—An old variety that is still popular with home gardeners. Fruits are rich, dark green, and fairly free from striping. Cucumbers are 7-8 inches long, cylindrical with round to blunt ends. Straight Eight rated high in yield and quality, but gardeners showed preference for the more disease resistant hybrids.

## LETTUCE

**Butterking**—An improved, Boston-type lettuce that was an All-American variety in 1966. It has good early vigor and is slower to bolt than other butterhead types. Butterking is also tip burn resistant and of better quality. Most testers rated this variety good but preferred Buttercrunch.

**Big Boston**—An old standard medium heading butterhead type with glossy, light-green leaves with bronze edges. Interior is a creamy yellow color with good quality. Gardeners had only fair results with this variety in Minnesota trials.





### Butterking Lettuce

**Buttercrunch**—Another butterhead type with excellent quality and dependability. It produces a larger plant than the popular Bibb, withstands more heat, and retains quality without bitterness over a longer period. While outer leaves are broad and dark green, the heart consists of loosely folded leaves with thick, crisp midribs of high quality. Buttercrunch scored high in quality by testers again last year.

**Summer Bibb**—A new strain of the old Bibb lettuce with much more heat resistance. This loose-heading variety can be grown all summer. It has the same appearance as Bibb but is much easier to grow. Although gardeners liked it, preference was usually given to Buttercrunch.

**Bibb**—The old standard variety with small, rounded leaves and thick, succulent midribs. It is strictly an early season variety and goes to seed quickly when warm weather comes. Most coopeartors reported better results with Summer Bibb and Buttercrunch.

**Grand Rapids**—An old standard leaf lettuce that has been popular with most gardeners. Leaves are broad, bright green, with finely frilled and wavy margins. Leaves are also finely blistered. It was rated good at most locations.

## PEAS

**Frosty**—An excellent home garden pea that comes into production just after Little Marvel. Pods are 3-3½ inches long, blunt ended, and dark green. They are borne in pairs near the top of compact vines where they are easy to pick. Peas are large and excellent for freezing. This variety has become a favorite with cooperators during the past five years.

**Wando**—An old, late maturing variety that lengthens the pea harvest season in the garden. It withstands unfavorable conditions better than most other varieties. Vines are medium sized and 28-30 inches tall. Pods are about 3 inches long and tightly filled with high quality peas. Gardeners continue to report good results with Wando.

## POTATOES

**Anoka**—A new white potato introduced by the University of Minnesota in 1965. Tubers are extremely smooth and uniform in size and shape. The white flesh apparently does not gray while standing; cooking quality is good. For best size and yield, seed pieces should be planted about 14 inches apart in the row. Maturity is similar to Cherokee, and this variety has some resistance to scab. Growers who tried Anoka were pleased with its performance.

## PUMPKINS

**Spookie**—A new small Jack O'Lantern pumpkin, ideal for small children at Halloween. It ripens earlier than larger varieties, and fruits are a more uniform deep globe shape making them ideal for carving. Fruits average 6 inches deep and 6 inches in diameter and weigh 6 pounds. The flesh is thick, sweet, and good for pies. Cooperators indicated good results at most locations.

**Early Sweet Sugar**—One of the old favorite pie pumpkins with early maturity and good storage quality. Fruits are slightly larger than Spookie. It is excellent for canning and pies, but also suitable for carving. Gardeners rated this pumpkin good in earliness, yield, and quality.

## RADISHES

**Red Boy**—A short-top variety that matures quickly. It is especially suited to summer planting. Roots are round to slightly oval with bright-red skin. Most testers have indicated preference for Red Boy over older varieties.

**Red Prince**—A relatively new variety with resistance to fusarium wilt. It is especially recommended for old muck soils where disease is a problem. Roots are round with scarlet skins and short tops. Like Red Boy it is good for summer planting. At most locations results were favorable.

## SQUASH

**Burgess Buttercup**—A special strain of the old standard variety of winter squash that has been a dependable producer in most Minnesota gardens. Fruits are green, turban shaped, and medium sized. The seed is usually in the cup at the blossom end; the interior is filled with thick, orange flesh. It has a definite drum shape which adds extra flesh at the shoulders. This variety is dry and sweet and not apt to be stringy. This squash has good keeping quality and continues to rate high in Minnesota trials.

**Buttercup**—An old variety that was included last year for comparative purposes. It is a good turban-shaped squash, but cooperators indicated more variability than found in the Burgess strain. Yield and quality were scored as good.

**Table Queen**—The popular old standard variety of individual winter squash known also as Des Moines or Acorn. Fruits are 5 x 4½ inches and acorn shape with deeply grooved, greenish-black skin. Flesh is medium thick, pale orange, and slightly fibrous. This variety matures earlier than Buttercup and tends to be more tolerant of poor soils and unfavorable conditions than other winter types. In storage the dark color usually turns to a golden yellow. Table Queen was scored fair to good in yield and quality by testers last year.

## SWEET CORN

**North Star**—An older early hybrid that also matures in 67 days. Ears are 7-8 inches long with 12 rows of golden kernels. While it produced early crops of large ears in Minnesota trials, the quality was rated only fair.

**Earliking**—An extra early hybrid that matures in 66 days and produces a large ear. Plants are short and stocky. Ears are 7-8 inches long, 1¾ inches in diameter and have mostly 12 rows of golden kernels. The husk cover is tight and dark green. Gardeners liked the large size and earliness combination.

**Morning Sun**—An attractive sweet corn for home and market that matures in 72 days. Plants are 5-6 feet tall with few suckers. Ears are 7 inches long with 14 rows of medium wide, yellow kernels. Ears are high and stand out well from the stalk for easy snapping. It continues to rate high in our trials.

**Sugar King**—An excellent quality hybrid in the 78-day maturing class. Plants are 6-7 feet tall; the cylindrical ears have little taper. Ears are 7-8 inches long and filled with 14-16 rows of golden kernels. Dark-green husks cover the tips of ears. Sugar King was rated as one of the highest in quality of those tested. It is sweet and tender.

**Spring Gold**—A new early hybrid that matures in 67 days. Ears are



Spring Gold Sweet Corn

about 7 inches long and filled with 12-16 rows of small, golden kernels. Husks are dark green, smooth, and tight. At most locations it was rated good in yield and quality again last year.

## WATERMELON

**Summer Festival**—A recently introduced  $F_1$  hybrid formerly known as Hybrid 103. This variety produces heavy crops of fruit that ripen a few days later than most midget types. Fruits average 12-15 pounds and are long and oval. The light-green skin is marbled with dark-green veins. The pink-red flesh is of good quality. Seeds are small and black. Performance was rated very good at most locations.

**Sugar Baby**—A good early watermelon that matures a few days later than New Hampshire Midget, but early enough for northern gardens. Fruits are uniformly round and 7-8 inches in diameter. Unlike other midget melons, this variety has a thick rind and few seeds. Moreover, the seeds are small. The flesh is firm and solid. The fruit color ripens from a striped green to almost solid black. Most cooperators reported good success with Sugar Baby.

## TOMATOES

**Early Fireball**—A new early variety developed by the University of Minnesota. Plant and fruit characteristics are similar to the standard Fireball variety, but fruit size is slightly larger, averaging 3-4 ounces. In trials in Minnesota and elsewhere, it produced larger and earlier yields than Fireball.

**Fireball**—One of the earliest tomatoes for both home and market. The small plants bear large clusters of medium-size fruits. As the season progresses, the yield of good quality fruit drops off. It continues to perform well in northern Minnesota where earliness is desired.

**Galaxy**—Another early variety, about five days later than Fireball, with heavy clusters of fruit. Fruits are round and larger but still determinate in their growth. Flavor is very mild. It is resistant to verticillium wilt.

**Superman**—A new midseason hybrid with high yields of large, meaty fruits maturing in 77 days. Fruits are globe shaped and smooth with firm flesh. Plants are large and vigorous with resistance to both verticillium and fusarium wilts.

**Sheyenne**—A recently introduced variety in the 66 day maturity class with small determinate plants. Fruit is medium to large, globe shaped, and scarlet red. It has less cracking than some of the older early varieties. Plants are somewhat open with only medium fruit cover. Some gardeners prefer this variety to Fireball.

### Superman Tomato



## DEPENDABLE VARIETIES FOR MINNESOTA

- Asparagus—Washington, ° F<sub>1</sub> Hybrid°
- Beans, Green Bush—Topcrop, ° Tendercrop°
- Beans, Yellow Bush—Cherokee, ° Kinghorn Wax°
- Beans, Lima—Triumph, ° † Fordhook 242° †
- Beans, Pole—Kentucky Wonder, ° Blue Lake°
- Beans, Dry—Great Northern, Michilite
- Beets—Ruby Queen, ° King Red°
- Broccoli—Green Mountain, ° Waltham 29°
- Brussels Sprouts—Catskill, ° Jade Cross°
- Cabbage, Early—Golden Acre Yellows Resistant, Badger Market
- Cabbage, Midseason—Greenback, Marion Market
- Cabbage, Late—Hollander Short Stem, Wisconsin Hollander, Danish Ballhead
- Cabbage, Red—Red Acre, Red Danish
- Cabbage, Chinese—Michihili
- Carrots—Nantes, ° Royal Chantenay, ° Emperor°
- Cauliflower—Snowball, ° Super Snowball°
- Celery—Summer Pascal, Utah 52-70
- Corn, Sweet, Early—Sugar and Gold, ° Earliking
- Corn, Sweet, Midseason—Golden Beauty, ° † Golden Cross Bantam, ° † Sugar King° †
- Corn, Pop—Minhybrid 250 †
- Cucumbers, Pickling—Mincu, Wisconsin SMR 58
- Cucumbers, Slicing—Burpee Hybrid, Marketer
- Eggplant—Black Beauty° †
- Endive—Green Curled, Full Heart Batavian
- Kale—Dwarf Blue Curled°
- Kohlrabi—Early White Vienna°
- Lettuce, Head—Great Lakes, Pennlake, Summer Bibb
- Lettuce, Leaf—Greenhart, Grand Rapids, Black Seeded Simpson, Slobolt
- Muskmelon, Early—Minnesota Midget, † Farnorth
- Muskmelon, Midseason—Iroquois, ° † Delicious 51, Burpee Hybrid
- Onions—Early Yellow Globe, Trapp's Downing Yellow Globe, Elite, Utah Sweet Spanish
- Parsley—Dark Moss Curled, Paramount, Minncurl



**Parsnips**—All-American, \* Harris Model  
**Peas**—Little Marvel, \* Frosty, \* Laxtons Progress, \* Wando, Dark Seeded Perfection\*  
**Peppers**—Wisconsin Lakes, Calwonder, † Yolo Wonder †  
**Potatoes**—Norland, Cherokee, Kennebec, Red Pontiac  
**Pumpkins**—Sugar Pie, Jack O'Lantern  
**Radishes**—Cherry Belle, Cavalier, Red Boy, White Icicle  
**Rhubarb**—Valentine, \* MacDonald Crimson, \* Chipman's Canada Red\*  
**Rutabaga**—Laurentian  
**Spinach**—America, \* Bloomsdale Long Standing, \* New Zealand\*  
**Squash, Summer**—Black Zucchini, \* Early Prolific Straightneck\*  
**Squash, Winter**—Buttercup, \* Hybrid R, \* Butternut\*  
**Swiss Chard**—Lucullus, Rhubarb  
**Tomatoes, Early**—Fireball, † Hybrid EE, † Firesteel, Moreton Hybrid  
**Tomatoes, Midseason**—Hybrid M, † Big Boy †  
**Tomatoes, Late**—Rutgers †  
**Turnip**—Purple Top White Globe  
**Watermelon**—New Hampshire Midget, Sugar Baby, Northern Sweet, Rhode Island Red

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\* Suitable for freezing. † For region I only. ‡ For region II only. See the map on page 3 for the 1966 test plot locations.

Photographs are courtesy of Harris Seeds.

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