1978

1979 Vegetable Varieties for South Dakota

Cooperative Extension South Dakota State University

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1979 Vegetable Varieties for South Dakota
How to Use This List

Suggested vegetable varieties for South Dakota are listed on the following pages in order of maturity for each kind of vegetable. The figure in parentheses following the variety name is the average number of days to maturity for that variety. NR means not recommended in that zone. A group of capital letters indicates disease resistance. Refer to the key below.

Planting Dates

After the name of each vegetable the month indicates when the crop should be planted in South Dakota. This is followed by a letter and a number. For example: BEANS should be planted in May. Letters Z1, Z2, Z3, Z4 indicate zones shown on the map on page 1. After each zone there is a number which indicates the date of planting for that given zone. In case of beans they should be planted in Zone 1 on May 10, Zone 2 on May 15, Zone 3 on May 20, Zone 4 on May 25.

To use this information, locate on the map the zone in which you live. Then follow the planting date listed in your zone. For example, if you live in Beadle County, you would plant beans on the date shown for Zone 2. For more specific weather data, check with local sources.

Since the growing season varies so widely for Zone 5, persons living there should consult their county extension agent, experienced gardeners, or go by past experiences to determine planting dates.

Seed Sources

Most of the varieties listed are generally available. If seeds for any of these varieties are not available locally, sources of seed will be furnished by the Horticulture-Forestry Department, South Dakota State University, Brookings, upon request. The department does not have seed for sale.

ASPARAGUS (Plant in April) Z1-5; Z2-10; Z3-15; Z4-20.

Asparagus is a perennial. Plant 1-year-old roots; do not harvest for 2 years.

MARY WASHINGTON -- Stalks large and tender. Apparently immune to rust. Suitable for both market and home gardens.

WALTHAM WASHINGTON -- Uniform thick stalks, dark green to purple. Snap off spears at ground line when 6-8 inches long; RR; use fresh or frozen.

BEANS

Snap Green Beans (Plant in May) Z1-10; Z2-15; Z3-20; Z4-25.

PROVIDER (50) -- Early, adapted to varying conditions, pod straight, round, medium size.

TOPCROP (50) -- Pods round medium green, somewhat curved; RCBM; use fresh, frozen or canned.

BURPEE'S STRINGLESS (52) -- Pods medium green, round and 6 inches long; use fresh or canned.

TENDERCROP (53) -- Pods round, smooth and attractive, stringless; RCBM; excellent for freezing.

Snap Yellow Beans (Plant in May) Z1-10; Z2-15; Z3-20; Z4-25.

CHEROKEE WAX Resistant (52) -- Pods oval, bright yellow, fairly straight; very productive; use fresh. RCBM.

GOLDEN WAX (52) -- Pods long, straight, waxy yellow; good for canning or freezing.

GOLD CROP (54) -- Pods stringless, shiny, yellow; white seeds; good for freezing or canning.

KINGHORN WAX (54) -- Pods round, bright yellow and slightly curved with pure white seed. Excellent for freezing.
**Vitamin A.**

Beet greens or thinnings are an excellent source of Vitamin A.

**BEET** (Plant in April) Z1-5; Z2-10; Z3-15; Z4-20.

Beet greens or thinnings are an excellent source of Vitamin A.

**RUBY QUEEN** (52) -- Root round, smooth; tops short; use for canning or pickling.

**EARLY WONDER** (53) -- Roots flattened globe shape; skin dark red; flesh dark red, fairly distinct zones; use fresh.

**KING RED** (58) -- Similar to DETROIT DARK RED except shorter top; same uses.

**PERFECTED DETROIT** (58) -- Root medium, round, dark red, no white rings; use for all purposes.

**CAULIFLOWER** (Plant in April) Z1-15; Z2-20; Z3-25; Z4-30.

The edible part is a compact, hard, white undeveloped flower called a "curd." Only one is produced per plant. (Plant transplants)

**SUPER SNOWBALL** (55) -- Curd medium size; medium depth; even maturity; use fresh or frozen.

**SNOWBALL IMPERIAL** (58) -- Slightly larger than SUPER SNOWBALL; not as good leaf coverage; same uses.

**GOLDEN SELF-BLANCHING** (115) -- Stalks tender, solid, ribbed, easily blanched yellow.

**GOLDEN FLSME** (118) -- Self-blanching. Stalks golden yellow, stringless.

**GIANT PASCAL** (135) -- Stalks tall, thick, solid, broad, distinctly-ribbed; yellow after blanching.

**SWEET CORN** (Plant in May) Z1-10; Z2-15; Z4-20.

**SUGAR AND GOLD** (60) -- Small ears, white and yellow kernels; very short plant; good quality for early corn; use fresh.

**EARLY XTRA SWEET** (71) -- Ears 7-9 inches long; 12-16 rows; kernels golden-yellow. Stays sweet over a long period of time.

**CARMELCROSS** (72) -- Thick ears, 12-14 rows; short plant; ears tend to curve; fair quality; good tip fill, RBWC; use fresh.

**BARBECUE** (75) -- Slim ears, 12 rows; short plant; good quality, tender; fair tip fill; tight husk; use fresh, frozen or canned.
**CUCUMBER** (Plant in May) Z1-15; Z2-20; Z3-25; Z4-30.

**Slicing**

**BURPEE HYBRID (60)** -- Medium green; blunt ends; RCM.

**VICTORY (60)** -- Dark green, cylindrical fruit, 7-8 inches long; tolerance to many diseases.

**CHALLENGER (61)** -- Deep green, long, smooth and tapered. Flesh firm and white. Good slicer.

**GEMINI HYBRID (61)** -- Gynoecious type. Good size and color. Needs another early variety for pollination.

**BURPLESS (62)** -- Early; dark green, smooth skin; fruits are slim and long; flavor is mild. Best quality at about ten inch length. RDM.

**STRAIGHT EIGHT (64)** -- Deep green cylindrical, about 8" long. Good producer.

**MARKETER (65)** -- Dark green; tapered ends.

**MARKET MORE (66)** -- Dark green, white-spined fruit.

**Pickling**

**PIONEER (51)** -- Medium dark green; blunt-ended, cylindrical fruits. RCM.


**SMR-18 (54)** -- Well-shaped, firm fruit; heavy yielder; resistant to scab and mosaic.

**EGGPLANT** (Plant in May) Z1-15; Z2-20; Z3-25; Z4-30.

Fruits are 6-8" long, 3-4" in diameter, egg shape, purple. Use boiled, baked, or fried. Nut-like flavor. (Plant transplants)

**MISSION BELL HYBRID (70)** -- Fruits oval; skin smooth; bush medium tall.

**BLACK MAGIC HYBRID (72)** -- Fruit oval, smooth and smooth skin; bush medium tall.

**BURPEE'S JERSKY KING HYBRID (75)** -- Fruits cylindrical, dark, glossy. The plant is a spreading high bush.

**CLASSIC (76)** -- Fruit elongated somewhat tapered; color deep purple-black, vigorous plant.

**KALE** (Plant in July and June) Z1-5; Z2-30; Z3-25; Z4-20.

Leaves are used as greens and have a cabbage-like flavor. Does best as a fall crop. Withstands very cold temperature. Excellent source of vitamin A.

**WARG GREEN CURLED (60)** -- Leaves dark green, finely curled; use fresh or frozen.

**KOHLRABI** (Plant in April and May) Z1-20; Z2-25; Z3-30; Z4-5.

Edible part is the swollen stem commonly called a bulb. Use when about 2" in diameter. Peel off fibrous skin and eat either raw or cooked. Flavor mild, cabbage-like.

**LETTUCE** (Plant in April) Z1-5; Z2-10; Z3-15; Z4-20.

**Leaf Lettuce** (Plant seeds)

**BLACK SEEDED SIMPSON (45)** -- Leaves broad, frilled, light green; widely adapted.

**GRAND RAPIDS (45)** -- Leaves light green, curled, frilled, heavily crumpled; disease resistant.

**SALAD BOWL (48)** -- Leaves wavy, notched, medium green; compact plant; slow to go to seed.

**Head Lettuce** (Plant transplants)

**BUTTERCRUNCH (55)** -- Leaves are thick and juicy but crisp. Larger and more heat resistant than Bibb variety.

**ICEBERG (70)** -- Medium size heads, crisp, tightly folded.

**GREAT LAKES (82)** -- Head large, dark green, heat tolerant and resistant to tip burn; widely adapted.

**MUSKMELON** (Cantaloupe) (Plant in May and June) Z1-20; Z2-25; Z3-30; Z4-5.

**FARNORTH (65)** -- Small round fruits; fine netting; thin orange flesh; small vines; for northern areas.

**SWEET 'n EARLY (75)** -- Small, round fruits; salmon-colored flesh; very sweet; slightly ribbed; RPM.

**DELICIOUS 51 (85)** -- Large oval to round fruits; coarsely netted; thick orange flesh; good quality; RW.

**ROADSIDE (85)** -- Large, round fruit, salmon-colored flesh, deeply ridged and lightly netted. Medium to small vines. Heavy setting ability.

**HARPER'S HYBRID (87)** -- Fruit medium, round, netted; flesh deep orange, almost solid; RW.

**GOLDSTAR HYBRID (87)** -- Oval fruit of medium size and heavily netted with firm rind; flesh is orange with grain; RW.

**SUPERMARKET HYBRID (88)** -- Mostly medium size oval fruit with rich orange flesh and well netted; FRW and RDM.

**IROQUOIS (89)** -- Large, nearly round fruits; prominently ribbed; coarsely netted; thick orange flesh; good quality; RW.

**HARVEST QUEEN (90)** -- Medium size, oval fruit; faintly ribbed; coarsely netted; thick orange flesh; good quality; holds quality after picking; RW.

**ONION** (Plant in April) Z1-5; Z2-10; Z3-15; Z4-20.

**EARLY HARVEST (95)** -- Bulbs are mild, round, straw-yellow skin and small neck. Poor storage. (Use seeds or transplants.)

**EARLY YELLOW GLOBE (100)** -- Globe shape, medium size, stores fairly well; fairly mild; early. (Use sets.)

**WHITE PORTUGAL (Silverskin) (105)** -- Thick flat shape, medium size; skin white; stores fairly well; fairly pungent flavor; use for green onions and for storage. (Use sets.)

Not recommended for Zone 4. (Varieties are too late.)

**RINGMASTER (110)** -- Globe-shape, large, white flesh, sweet flavor, skin white. Ideal for onion rings.


**PEDRO (114)** -- Big, round, firm and mild flavored bulbs. Keeps well in storage.

**COLORADO NO. 6 (115)** -- Thick outer skins, deep bronze color, 3½-4 inches in diameter. Stores well.

**SWEET SPANISH UTAH STRAIN (115)** -- Globe shape. Large; skin golden color; not a long storage variety. Use seeds or transplants.
PARSLEY (Plant in April and May) Z1-5; Z2-10; Z3-15; Z4-20. PERFECTION (75) -- Very finely curled dark green leaves; upright growth. Slow to germinate.

PARSNIP (Plant in April and May) Z1-20; Z2-25; Z3-30; Z4-5. Flavor improves with cold weather - leave in the soil until just before ground freezes (can be left until spring). Slow to germinate.

ALL-AMERICA (105) -- Large roots; medium long; white flesh, small core.

PEA (Plant in April) Z1-5; Z2-10; Z3-15; Z4-20. DWARF GREY SUGAR (57) -- Edible pods. Pods juicy, tender, use while immature; do not shell.

LITTLE MARVEL (62) -- Plants about 1½ ft. tall; productive; 7-8 peas per pod; good quality; use fresh or frozen.

FROSTY (64) -- Plants with about 28 inch vines; pods are 3 to 3½ inches long and blunt. Good freezer.

WANDO (67) -- Plants 2-2½ ft. tall; 6-7 peas per pod; good quality; tolerates warm weather; RPW; use fresh or frozen.

PEPPER (Plant in May) Z1-10; Z2-15; Z3-20; Z4-25. When sweet peppers ripen they turn from green to red or yellow and the flesh may become sweeter and of slightly different flavor. Excellent source of vitamin C.

WONDER GOLD (50) -- Medium size plants; fruit blocky, 3-4 lobes; gold color at maturity; flesh medium thick.

PETER PIPER HYBRID (58) -- Plant is medium in size. Fruits are short and blocky, ¾ inches deep, 2 7/8 inches in diameter. Square and blunt, nearly all meat with a good red color when ripe, good flavor. Matures before any other variety in this area.

CANAPE HYBRID (62) -- Fruit 3-lobed; flesh medium-thick, sweet and mild. Dark green fruit ripens to bright red. Good yielder.

VINEDALE (62) -- Small plants; fruit medium size, tapered; medium thick flesh. Use for early red peppers.

PENNWONDER (68) -- Medium size plants; fruit large, tapered to blocky; thick flesh; good for stuffing.

BELL BOY (70) -- Medium long, mostly four-lobed. The deep, glossy green fruit matures early to deep red; concentrated fruit set with good foliage color. Resistant to tobacco mosaic virus.

POP'CORN (Plant in May) Z1-15; Z2-20; Z3-25; Z4-30. JAPANESE WHITE HULLESS (95) -- Good yielder.

GIANT WHITE HYBRID (100) -- Crisp, tender, hulless, large kernels.

POTATO, Irish (Plant in April) Z1-15; Z2-20; Z3-25; Z4-30. (Use 1½ - 2 ounce seed pieces.) NORLAND (early) -- Medium large, oblong; skin red; smooth, eyes shallow. Medium large, spreading vines. Purple flowers. (From NDSU.

EARLY OHIO (early) -- Round-oblong; somewhat cylindrical tubers, pinkish skin, white flesh, popular but susceptible to most common potato diseases.

BISON (medium maturity) -- Tubers are red and very smooth. Produces fair yields. Good for boiling; fair for chipping and baking. RLBP. (From NDSU.

NORCHIP (medium early) -- Tubers round to oblong with medium shallow eyes. Skin creamy white and smooth. Moderate resistance to common and russet scab. Susceptible to late blight and most common potato viruses. Excellent chipping quality. Good for baking and French frying.

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RED PONTIAC (late) -- Large oblong to round, blunt ends; skin red, some netting; medium deep eyes.

PUMPKIN (Plant in May) Z1-15; Z2-20; Z3-25; Z4-30. Small

CHEYENNE (100) -- Small; skin bright orange; flesh solid, deep golden yellow, excellent for pies.

CINDERELLA (102) -- Bush-type pumpkin. Skin smooth, bright orange and firm. Fruits about 10 inches in diameter. (7-8 lbs.)

SMALL SUGAR (110) -- Small (6-8 lbs.); round with flattened ends; skin dark orange, slightly ribbed; flesh thick; good quality for pies.

Medium

SPIRIT (90) -- Semi-bush, bright orange and uniform fruits (10-15 lbs.).

JACK O'LANTERN (112) -- Medium size (8-12 lbs.); variety of shapes; skin bright orange, smooth.

HALLOWEEN -- Similar to Jack O' Lantern.

Large

CONNECTICUT FIELD or "BIG TOM" (115) -- Fruit large up to 20 lbs. Skin smooth, hard, ribbed, bright yellow-orange color.

HOWDEN'S FIELD PUMPKIN (115) -- Deep, round shape; shell is ridged, deep orange; thick flesh.

RADISH (Plant in April) Z1-5; Z2-10; Z3-15; Z4-20. CHERRY BELLE (24) -- Tops short; roots scarlet red; round; solid; slow to become pithy and pungent.

CAVALIER (24) -- Tops short; roots scarlet red, round; solid, slow to become pithy and pungent.

SCARLET KNIGHT (24) -- Round roots; scarlet red; slim tap roots; small crowns. Tolerates warm weather.

WHITE ICICLE (30) -- Tops small; roots white, long tapered; solid when young; use before 3/4 in. diameter.

RHUBARB (Plant in April) Z1-5; Z2-10; Z3-15; Z4-20. Rhubarb is a perennial. Root pieces containing 2-4 buds are usually planted. Old crowns can be divided and transplanted in the fall, can also be started from seed.

CANADA RED -- Leafstalks or petioles red; very sweet; use fresh or frozen.

MCDONALD -- Same as Canada Red.
RUTABAGA (Plant in June) Z1-25; Z2-20; Z3-15; Z4-10. AMERICAN PURPLE TOP (88) -- Roots 5-7 inches in diameter; large and round with small neck and slight tap root; yellow with purple top; good keeper.

SPINACH (Plant in April) Z1-5; Z2-10; Z3-15; Z4-20. LONG STANDING BLOOMSDALE (43) -- Plants large erect; leaves heavily crumpled; slow to bolt; use fresh or frozen.

NORTHLAND (48) -- Plants prostrate; leaves dark green, smooth to semismooth. For all-purpose use.

SQUASH (Plant in May) Z1-15; Z2-20; Z3-25; Z4-30.

Summer Squash
Summer squash should be harvested and used when in immature state -- about 6-8 in. long -- for best quality and tenderness. Not good for storage.

CHEFINI (50) -- Fruits glossy dark green; uniform, cylindrical shape; use when 6-8 inches long.

EARLY PROLIFIC STRAIGHTNECK (53) -- Plants bush; fruits straight, tapered; skin fairly smooth, lemon yellow; use fresh or frozen.

COCOZELLE (53) -- Plants bush; fruits straight when young; skin smooth, dark green with light green to yellow stripes; use fresh or frozen.

DARK GREEN OR BLACK ZUCCHINI (53) -- Plants bush; fruits cylindrical, skin smooth, dark green, no mottling; use fresh or frozen.

HYBRID ZUCCHINI (53) -- Fruits solid, up to 14 inches long; skin mottled light and dark green. Use fresh or frozen.

Winter Squash
Winter squash is an excellent source of vitamin A. The nine varieties listed are small to medium squashes.

MY TABLE ACE (70) -- Acorn-shaped fruits are produced on semi-bush plant; fruit is glossy dark green, uniform. Flesh is stringless.

BUTTERBUSH (75) -- Butternut type; dwarf plants; flesh is reddish-orange. Fruits 1½ pounds, 4 to 5 per plant.

TABLE KING (80) -- Acorn-shaped fruits are produced on compact, bush-type vine plants. Dark green color.


ACORN or TABLE QUEEN (85) -- Plants vining; fruits small (1-2 lbs.), acorn shape, dark green, deeply rigid; flesh light yellow; good quality baked; stores well.

GOLD NUGGET (85) -- Bush type. Fruits are small and flattened, about the size of a softball; medium thick, golden-yellow flesh; sweet flavor, dry and perfectly delicious. Hard, orange skin. Yield five to eight fruits per plant.

KINDRED (95) -- Short vine. Fruits turban shaped like BUTTERCUP. Skin is thin, reddish-orange. Flesh about 1½" thick, deep golden-yellow color.

EMERALD (95) -- Bush type. Fruit gray-green, similar to BUTTERCUP. Flesh is orange and very thick. Stores well.

BUTTERCUP (100) -- Plants vining; fruits turban shape with knob at blossom end; skin green, striped and mottled gray; orange flesh; good quality; for freezing or storage. Bush type also available.

Large-Size Winter Squash

GOLDEN HUBBARD (100) --Fruits are large and round with small neck and slight tap root; yellow with purple top; good keeper.

AMERICAN PURPLE TOP (88) -- Roots 5-7 inches in diameter; large and round with small neck and slight tap root; yellow with purple top; good keeper.

CENTENNIAL (60) -- Plants determinate, (bush-type), fruits round, medium, solid and meaty. (Developed at S. D. State University.)

BURPEE'S BIG EARLY (62) -- Hybrid; plants medium; fruits round and firm.

SMALL FRY HYBRID (65) -- Plants small, bush-type. Fruit small, cherry type, one inch round, bright red, borne in clusters of 7 or 8. 1970 All-America selection RFW, RFW.

SWEET 100 HYBRID (65) -- Plants are vine-type. Fruits are small. A heavy producer.

SMALL MIDGET HYBRID (65) -- Plants semi-determinate and very productive. Fruits solid and meaty, attractive, medium to large in size. Developed at South Dakota State University. RFW, RFW.

GOLDEN DELIGHT (65) -- Yellow, determinate type, very early, low acid.

SUGAR LUMP (65) -- Fruit small, round, scarlet. Unusually sweet. Performs well staked in garden or pot.

SIOUX (69) -- Plants spreading; fruits medium large; sets fruit well at high temperature; meaty; uniform ripe; for canning or fresh use.

BONANZA (70) -- Semi-bush type; medium foliage. Fruits are meaty, almost crack-free, large, solid red, very attractive. Developed at South Dakota State University.

SPRING GIANT HYBRID (70) -- Fruit bright red, deep, globular. High yielding. RFW and RFW.

PATIO (70) -- Compact plants; medium size, globular, scarlet fruit. For limited growing space.

CANNONBALL (71) -- Bush type. Large globe shaped fruits. Red and meaty.

FLORAMERICA HYBRID (80) -- Plants are bush-type. Fruits are large and smooth. Resistance to many diseases.

BIG BOY (80) -- A late-maturing variety. Large fruits are bright red, semi-global in shape. Vines are vigorous and adapted to staking.

TURNIP (Plant in August and July) Z1-1; Z2-25; Z3-20; Z4-15. Turnip greens or thinnings are excellent sources of vitamins A and C.

JUST RIGHT (40) -- Hybrid; vigorous, quick-growing. Large white roots, flattened shape. Use only for fall crop. (Plant in April) Z1-15; Z2-20, Z3-25; Z4-30.

PURPLE TOP WHITE GLOBE (58) -- Roots globe shape; skin white, purple at top; white flesh, tender when young; use fresh or frozen.

WATERMELON (Plant in May and June) Z1-20; Z2-25; Z3-30; Z4-5.

Small

GOLDEN MIDGET (65) -- Fruit small, about 8" in diameter. Mature early, green rind turns golden when ripe.

NEW HAMPSHIRE MIDGET (77) -- Fruits small (3-5 lbs.) oval-round, skin medium green, darker netting, fair quality, seedy; loses quality quickly.

SUGAR BABY (79) -- Ice box variety, oval-round; skin black green with faint darker stripes. Very attractive when cut. About 8" diameter.
Large

FAMILY FUN (80) -- Fruit oblong, 13-15 lbs., tough rind, medium green color with dark green stripes. Flesh crisp, red, sweet, and tasty. RFW, RA, RPM.

SWEET FAVORITE (82) -- Fruit average about 20 lbs. Light green rind with dark green stripes. Flesh red. RA, RFW.

TOP YIELD HYBRID (82) -- Oblong fruit, 20 lbs. Rind light green with darker veining. Flesh firm, bright red, and minimum of small seeds. RFW, RA.

CHARLESTON SWEET (83) -- Fruits medium sized, oblong, grayish green. Flesh bright orange-red color, very sweet. Good quality. Very small brown seeds.

The following varieties are not recommended for Zone 4.

RHODE ISLAND RED (85) -- Fruits small-medium; oval-round; skin light green with dark green stripes; good quality.

CHARLESTON GRAY (90) -- Fruits large long, grayish green. Good quality; good shipper. RFW.

BLACK DIAMOND (90) -- Fruit large slightly oblong, good quality; good shipper.

CONGO (90) -- Fruit medium; long-oblong; good quality and very good shipper.

GARRISONIAN (90) -- Fruit large, long and distinctly striped; good quality and good shipper.

HYBRID 313 (91) -- Seedless. Fruit oval-round; 12 to 20 lbs. Flesh crisp, bright red. Pollinator seed and directions provided.

Other gardening publications available from your county Extension office:

EC 668, Growing Vegetables in South Dakota
FS 537, Fertilizer Guide for Vegetable Crops in South Dakota
FS 667, Tomatoes
FS 341, 24 Herbs for Home-grown Flavor
FS 578, Facts about Organic Farming and Gardening
C 219, Potatoes
B 579, Onions in South Dakota

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