

Vegetable Cultivar Trials 2003

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Two vegetable varieties tested in 2003.
Above: Shogun broccoli.
Left: OS Cross cabbage.
—Georgeson Botanical Garden collection



UNIVERSITY OF ALASKA FAIRBANKS



Vegetable Cultivar Trials 2003

Introduction

The vegetable cultivar trials at the Georgeson Botanical Garden (64° 51'N, 147° 52'W) provide information on new and standard cultivars useful in home and market gardens. Plots are small, and trials are replicated over three years. No attempt is made to emulate large-scale commercial production systems but rather to test a broad selection of vegetables that may be worth testing more extensively on farms and gardens throughout the Tanana Valley.

Evaluations were conducted on 162 cultivars of annual vegetables. Seventy-two cultivars were direct seeded in the garden and 90 cultivars were started in the greenhouse and transplanted into the garden according to the schedule and spacings listed in Table 4. Fairbanks silt loam soil was fertilized with 10-20-20S (4 lbs per 100 sq ft, 195 g per sq meter) prior to rototilling and seeding or transplanting.

Some of the warm season crops were grown through three-foot-wide rows of IRT (infrared transmitting) plastic mulch in order to warm the soil and control weeds. All beds were equipped with surface or subsurface trickle irrigation. No pesticides were applied throughout the season, and grass clipping mulch was applied to the aisles beginning in mid June. Weather data were compiled from a U.S. Weather Service station, elevation 475ft (145m), located approximately 450ft (137m) west of the garden. The last spring frost was 24 May (31°F, -0.6°C) (Table 1). Thaw degree-day accumulation was below the previous ten-year average of 3318.9 degree-days. The frost-free season was two days longer than the previous ten-year average. More than half of the summer precipitation occurred in July (Table 2), but there were no adverse effects on vegetable growth.

The weather statistics describe a fairly typical growing season for Fairbanks. Most cultivars grew well, and harvest dates were typical for the Fairbanks area. Fall frost occurred on 13 September and did not influence the major harvest season for most vegetables. Temperatures dropped to 23.1°F (-5°C). Soils froze 1–2 inches and remained frozen for several days. Many local growers lost potatoes to freeze damage following vine removal because of the severity of the frost.

Table 1. Previous ten-year weather data plus 2003

| Season | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|---------------------------------|--------|--------|--------|--------|--------|---------|---------|---------|---------|--------|---------|
| Average daily temperature (°F): | | | | | | | | | | | |
| May | 51.9 | 52.0 | 52.3 | 44.1 | 47.8 | 49 | 46 | 44 | 45 | 50.4 | 44.2 |
| June | 60.5 | 57.0 | 58.5 | 57.3 | 61.0 | 57.8 | 61 | 59 | 56.5 | 57.6 | 61.3 |
| July | 64.5 | 62.0 | 61.9 | 61.9 | 63.8 | 62.2 | 61 | 59 | 60.5 | 61.3 | 60.5 |
| Aug | 55.5 | 51.0 | 55.6 | 52.1 | 57.1 | 52.4 | 57.5 | 51.5 | 57 | 53.9 | 55.1 |
| Sept. | 42.5 | 43.0 | 50.6 | 41.2 | 49.6 | 45.8 | 45 | 41 | 48.5 | 46.6 | 40.8 |
| Max temp (°F) | 91 | 89 | 85 | 82 | 87 | 87 | 91 | 83 | 95 | 85 | 82 |
| Growing season: | | | | | | | | | | | |
| Last frost | 1 May | 6 May | 22 May | 5 June | 25 May | 13 May | 29 May | 15 May | 13 May | 12 May | 24 May |
| First frost | 1 Sept | 23 Aug | 4 Sept | 27 Aug | 19 Aug | 13 Sept | 11 Sept | 16 Sept | 24 Sept | 2 Sept | 13 Sept |
| Frost free days | 123 | 109 | 105 | 83 | 86 | 123 | 105 | 124 | 134 | 113 | 112 |
| Thaw degree days* | 3547.5 | 3476.3 | 3676.5 | 2810.5 | 3655.5 | 3277.5 | 3383 | 2943 | 3439 | 2980.0 | 3122.7 |
| Rainfall (inches) | 6.67 | 7.21 | 10.15 | 8.73 | 5.86 | 9.87 | 8.66 | 8.55 | 5.80 | 9.35 | 9.91 |
| Previous winter season: | | | | | | | | | | | |
| Min temp (°F) | -52 | -37 | -48 | -48 | -54 | -48 | -54 | -50 | -27 | -36.3 | -34.6 |
| Snowfall (inches) | 131.7 | 36.3 | 69 | 47.8 | 8.4 | 30.6 | 31.6 | 62.2 | 39.9 | 39.7 | 33.2 |

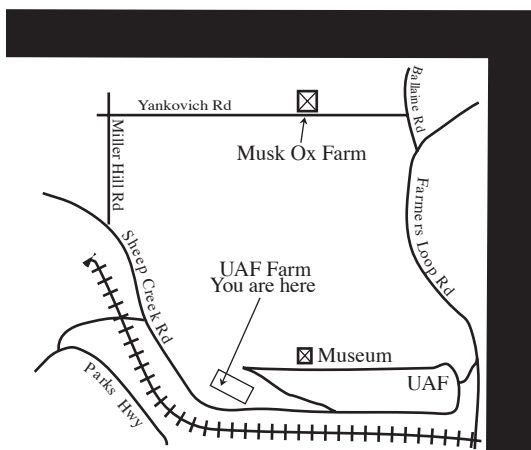
*Thaw degree days = cumulative (1 May - 30 Sept) average daily temperature minus 32°F baseline.

Table 2. Weather data for 2001 – 2003

| May | | | June | | | July | | | August | | | September | | |
|-----------------------|------|------|------|------|------|------|------|------|--------|------|------|-----------|------|------|
| 2001 | 2002 | 2003 | 2001 | 2002 | 2003 | 2001 | 2002 | 2003 | 2001 | 2002 | 2003 | 2001 | 2002 | 2003 |
| Average daily max. °F | | | | | | | | | | | | | | |
| 55 | 64 | 55 | 64 | 69 | 74 | 70 | 73 | 70 | 67 | 64 | 66 | 61 | 57 | 50 |
| Monthly high temp. °F | | | | | | | | | | | | | | |
| 69 | 85 | 74 | 95 | 77 | 82 | 82 | 83 | 88 | 77 | 85 | 76 | 68 | 67 | 66 |
| Average daily min. °F | | | | | | | | | | | | | | |
| 35 | 37 | 33 | 49 | 46 | 48 | 51 | 50 | 50 | 47 | 44 | 44 | 36 | 36 | 31 |
| Monthly low temp. °F | | | | | | | | | | | | | | |
| 20 | 18 | 27 | 41 | 33 | 40 | 40 | 36 | 41 | 40 | 34 | 39 | 29 | 28 | 17 |
| Rainfall (inches) | | | | | | | | | | | | | | |
| 0.03 | 0.48 | 0.35 | 0.41 | 1.30 | 0.85 | 3.35 | 2.71 | 5.12 | 1.70 | 3.71 | 1.86 | 0.31 | 1.1 | 1.73 |

Georgeson Botanical Garden Map, 2004

- A** Perennial Landscape and All America Selections Display Garden
- B** Dr. Frank Wooding Memorial Garden
- C** Dorothy Truran Memorial Herb Garden
- D** Margreta "Greta" Risse Memorial Garden
- E** Alaska Native Plant Garden and Children's Pond
- F** Herbaceous Perennial and Woody Ornamental Test Gardens
- G** Demonstration Conservation Windbreak
- H** Calypso Nature Trail
- J** Gift Shop & Restrooms
- K** Dr. Robert Speck Cutting Garden
- L** Vegetable and Fruit Demonstration Garden
- M** Dorothy Beistline Memorial Garden (under construction)



Walking Trail



Scale

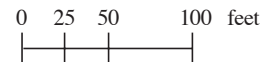


Table 3. 2003 vegetable cultivars

| Common Name | Cultivar | Plot | Row | Date Seeded | Date Planted | Yield | | Harvest Period | Comments | Catalog Description* | Source |
|---------------------|------------------|------|-----|-------------|--------------|---------|-------|----------------|--|--|---------------------------|
| Artichoke | Green Globe | rb | | 2 Apr | 30 May | no data | | | Midnight harvesters compromised yields | Can be grown as an annual; flowers in early summer, 3-5" diameter | Territorial Seed Co. |
| Artichoke | Imperial Star | rb | | 2 Apr | 30 May | no data | | | Midnight harvesters compromised yields | Can be grown as an annual; bears 6-8 buds, 3-4" in diameter | Territorial Seed Co. |
| Bean | Ambra | 11 | 4 | 28 May | Direct Seed | 0.51 | lb/ft | 7 Aug - 26 Aug | | Smooth straight pods, 6" long, medium green; upright plants | Stokes Seeds |
| Bean | Contender | 11 | 6 | 28 May | Direct Seed | 0.59 | lb/ft | 7 Aug - 26 Aug | Reliable variety for Fairbanks | Very early; pods are 6" long, thick, slightly curved, oval, tender & stringless | Vermont Bean Seed Company |
| Bean, Romano | Gina | 11 | 6 | 28 May | Direct Seed | 0.60 | lb/ft | 7 Aug - 26 Aug | Good Romano | Early Romano (flat); 5-5½" flattened, broad pods | Park Seed |
| Bean | Provider | 11 | 5 | 28 May | Direct Seed | 0.24 | lb/ft | 7 Aug - 26 Aug | | Compact plants; yield well in adverse weather; standard for early production in Northern areas | Seedway |
| Bean, Romano | Roma II | 11 | 4 | 28 May | Direct Seed | 0.34 | lb/ft | 7 Aug - 26 Aug | | Romano bush bean; 20 inch plants; 6 inch, medium-green, smooth, flat beans | Territorial Seed Co. |
| Bean | Tendercrop | 11 | 4 | 28 May | Direct Seed | 0.19 | lb/ft | 7 Aug - 26 Aug | | Green, smooth, round pods are tasty & tender | Nichols Garden Nursery |
| Bean | Tenderlake | 11 | 5 | 28 May | Direct Seed | 0.22 | lb/ft | 7 Aug - 26 Aug | | Matures early on compact, upright plants just 12 to 24" tall | Park Seed |
| Bean, Yellow Romano | Romano Gold | 11 | 6 | 28 May | Direct Seed | 0.29 | lb/ft | 7 Aug - 26 Aug | | Yellow bush Romano (flat); dwarf, upright plants; 4-5½" long flat pods | Stokes Seeds |
| Bean, Yellow Wax | Goldkist | 11 | 5 | 28 May | Direct Seed | 0.21 | lb/ft | 7 Aug - 26 Aug | | Slim, 6" pods, deep yellow color | Johnny's Selected Seeds |
| Bean, Yellow Wax | Rocdor | 11 | 6 | 28 May | Direct Seed | 0.66 | lb/ft | 7 Aug - 26 Aug | Reliable variety for Fairbanks | Long, 6 to 6½", straight pods, deep yellow color; germinate well in cool soil | Johnny's Selected Seeds |
| Bean, Yellow Wax | Sunburst | 11 | 5 | 28 May | Direct Seed | 0.37 | lb/ft | 7 Aug - 26 Aug | | Early yellow (wax) bean; smooth 5½" pods | Stokes Seeds |
| Beet | Chioggia | 8 | 8 | 30 May | Direct Seed | 2.55 | lb/ft | 22 Aug | | Striking white & red rings inside scarlet skin, sweet flavor | Johnny's Selected Seeds |
| Beet | Little Mini Ball | 8 | 8 | 30 May | Direct Seed | 0.50 | lb/ft | 22 Aug | | Small size; round; short tops, good for greens | Stokes Seeds |
| Beet | Pacemaker III | 8 | 8 | 30 May | Direct Seed | 0.85 | lb/ft | 22 Aug | | Globe shape, dark red interior, high sugar content; medium green glossy leaf | Stokes Seeds |

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|------------------|----------------|------|-----|-------------|--------------|---------|----------|-----------------|---|--|---------------------------|
| Beet | Red Ace | 8 | 8 | 30 May | Direct Seed | 1.73 | lb/ft | 22 Aug | | Round, smooth, deep red roots; early, medium tall, red-veined greens | Johnny's Selected Seeds |
| Beet | Sangria | 8 | 8 | 30 May | Direct Seed | 0.79 | lb/ft | 22 Aug | | Globe shaped, excellent color; sweet, smooth & tender; slow bolting | Shepherd's Garden Seeds |
| Broccoli | Early Dividend | 5 | 1 | 23 Apr | 28 May | 0.54 | lb/plant | 11 Jul - 15 Jul | Good, new early variety | Early but with larger heads than most early varieties | Pinetree Garden Seeds |
| Broccoli | Emperor | 5 | 1 | 23 Apr | 28 May | 0.77 | lb/plant | 15 Jul - 1 Aug | Reliable variety for Fairbanks | Early type; large, thick, dome shaped heads; excellent quality | Otis S. Twilley Seed Co. |
| Broccoli | Green Valiant | 5 | 1 | 23 Apr | 28 May | 0.81 | lb/plant | 25 Jul - 29 Jul | Reliable variety for Fairbanks | High quality, main season variety; deep-domed medium-large heads | Territorial Seed Co. |
| Broccoli | Marathon | 5 | 2 | 23 Apr | 28 May | 1.48 | lb/plant | 22 Jul - 29 Jul | Large, high yields | Highly tolerant to cold; uniform heads | Johnny's Selected Seeds |
| Broccoli | Shogun | 5 | 2 | 23 Apr | 28 May | 1.51 | lb/plant | 29 Jul - 1 Aug | Can reach 3-4lbs, 14" across in Fairbanks | Large, tightly-budded, domed heads; big side shoots; vigorous cold-resistant; holds well | West Coast Seeds |
| Brussels Sprouts | Jade Cross E | 5 | 7 | 18 Mar | 28 May | 1.02 | lb/plant | 25 Jul - 4 Sept | Reliable variety for Fairbanks | Short season variety; uniform 2' plants; excellent quality sprouts | Harris Seeds |
| Brussels Sprouts | Oliver | 5 | 7 | 18 Mar | 28 May | 0.56 | lb/plant | 25 Jul - 4 Sept | | Leading early commercial variety; medium-dark green sprouts, 1-1½" | Harris Seeds |
| Brussels Sprouts | Prince Marvel | 5 | 7 | 18 Mar | 28 May | 0.81 | lb/plant | 25 Jul - 4 Sept | Reliable variety for Fairbanks | Tall 3' plant; firm, dark green, medium-sized sprouts | Vermont Bean Seed Company |
| Brussels Sprouts | Trafalgar | 5 | 7 | 18 Mar | 28 May | 0.26 | lb/plant | 13 Aug - 4 Sept | | Medium sized, sweet, firm button sprouts; keeps well | Thompson & Morgan |
| Cabbage | Dynamo | 5 | 5 | 23 Apr | 28 May | 4.22 | lb/plant | 6 Aug - 22 Aug | | Small blue-green cabbage, perfect for one meal, 2 to 2½ lbs; slow to bolt, long harvest period | Nichols Garden Nursery |
| Cabbage | Earliana | 5 | 6 | 23 Apr | 28 May | 4.20 | lb/plant | 11 Jul - 18 Jul | Good, small, early variety | Very early small, deep, round, green heads; 4½" to 5" across; 2lbs. or more | W. Atlee Burpee & Co. |
| Cabbage | O.S. Cross | rb | | 18 Mar | 30 May | no data | | | Grown for display only | Flat top, grown for large size in Alaska | Lilly Miller |
| Cabbage | Primax | 5 | 6 | 23 Apr | 28 May | 3.77 | lb/plant | 11 Jul - 14 Jul | | Small to midsize round heads, avg. 2-4 lb, short core & good interior quality; long standing | Johnny's Selected Seeds |

| Common Name | Cultivar | Plot | Row | Date Seeded | Date Planted | Yield | | Harvest Period | Comments | Catalog Description* | Source |
|-------------|----------------|------|-----|-------------|--------------|-------|--------------|--------------------|---|---|---------------------------|
| Cabbage | Red Rookie | 5 | 5 | 23 Apr | 28 May | 6.41 | lb/ plant | 22 Aug | | Good size; uniformity; earliness & internal color | Rupp Seeds |
| Cabbage | Ruby Ball | 5 | 5 | 23 Apr | 28 May | 4.88 | lb/ plant | 22 Aug - 4 Sept | | Firm, 6-8 inch round heads; mild, sweet flavor; holds well without splitting | Territorial Seed Co. |
| Cabbage | Savoy Express | 5 | 6 | 23 Apr | 28 May | 2.54 | lb/ plant | 11 Jul - 14 Jul | Good, early savoy | Earliest savoy (crinkled); sweet; close spacing (ca. 1 ft), small heads (ca. 1-1½ pounds) | All America Selections |
| Carrot | Artist | 4 | 8 | 29 May | Direct Seed | 1.36 | lb/ft | 9 Sept | Biggest, most brightly colored | Tapered, smooth, blunt roots typically 7-8" long, deep orange color, high Vitamin A content | Johnny's Selected Seeds |
| Carrot | Baby Orange | 4 | 8 | 29 May | Direct Seed | 2.94 | lb/ft | 2 Sept - 9 Sept | | Baby; 3-5" carrot; harvest early | Stokes Seeds |
| Carrot | Gold Pak | 4 | 8 | 29 May | Direct Seed | 1.29 | lb/ft | 2 Sept - 9 Sept | | 10 x 1.25" roots, long & slender; smooth skinned, coreless | Vermont Bean Seed Company |
| Carrot | Little Finger | 4 | 8 | 29 May | Direct Seed | 1.87 | lb/ft | 9 Sept | | Midget variety grows 3 to 4" long, ½" wide | Denali Seed Co. |
| Carrot | Minicor | 4 | 8 | 29 May | Direct Seed | 0.72 | lb/ft | 9 Sept | | Baby, 3-5" carrot, smooth skin & excellent color, harvest early | Johnny's Selected Seeds |
| Carrot | Nelson | 4 | 8 | 29 May | Direct Seed | 0.51 | lb/ft | 9 Sept | Excellent flavor | Nantes-type; smooth 6-7" roots; 1-1½" shoulders; deep orange color; early | Territorial Seed Co. |
| Carrot | Parmex | 4 | 8 | 29 May | Direct Seed | 0.59 | lb/ft | 9 Sept | | Early, Parisian market type; harvest at 1½" | Johnny's Selected Seeds |
| Carrot | Sweet Sunshine | 4 | 8 | 29 May | Direct Seed | 1.36 | lb/ft | 2 Sept - 9 Sept | Early harvest yellow, later harvests darker | Yellow carrot; 6½" roots; extra-sweet carrot flavor | W. Atlee Burpee & Co. |
| Carrot | Temptation | 4 | 8 | 29 May | Direct Seed | 1.23 | lb/ft | 9 Sept | | Thick tapering Imperator type; 10" length; smooth, bright orange | Otis S. Twilley Seed Co. |
| Cauliflower | Andes | 5 | 4 | 23 Apr | 28 May | 3.87 | lb/ plant | 31 Jul - 22 Aug | Consistently high yields, large heads | Strong upright, heavy wrapper leaves prevent yellowing without tying; heavy domed heads | Vesey's Seeds |
| Cauliflower | Baldo | 5 | 4 | 23 Apr | 28 May | 1.36 | lb/ plant | 11 Jul - 21 Jul | Early | Creamy white heads; partially self wrapping | Stokes Seeds |
| Cauliflower | Brocoverde | 5 | 3 | 23 Apr | 28 May | 0.85 | lb/ plant | 22 Aug - 9 Sept | | Cross between cauliflower & broccoli; tastes like sweet cauliflower | Ball Seed |

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|-------------|-------------------|------|-----|-------------|--------------|-------|--------------|---------------------|---|--|--------------------------|
| Cauliflower | Fremont | | | 23 Apr | 28 May | 1.95 | lb/ plant | 1 Aug - 22 Aug | | Very white, deep, smooth curds; average 7" across; self wrap plant habit | Otis S. Twilley Seed Co. |
| Cauliflower | Snow Crown | 5 | 3 | 23 Apr | 28 May | 0.85 | lb/ plant | 22 Jul - 25 Jul | Early | Early medium heads; All America Selection | Pinetree Garden Seeds |
| Celery | Florida 683 | 4 | 9 | 18 Mar | 29 May | 1.95 | lb/ft | 9 Sept | | Higher rib count than 52-70; better heart formation; bushy, medium green | Stokes Seeds |
| Celery | Utah 52-70 HK | 4 | 9 | 18 Mar | 29 May | 3.63 | lb/ft | 9 Sept | | Dark green; uniform; compact. | Stokes Seeds |
| Celery | Ventura | 4 | 9 | 18 Mar | 29 May | 4.39 | lb/ft | 9 Sept | | Extra heavy trim weight | Stokes Seeds |
| Cucumber | Early Pride | 11 | 7 | 7 May | 5 Jun | 8.61 | lb/ plant | 29 Jul - 2 Sept | Slicing | Slicer; dark green fruits; 8½" by 2"; crisp, juicy flesh | W. Atlee Burpee & Co. |
| Cucumber | Fanfare | 11 | 8 | 7 May | 5 Jun | 6.67 | lb/ plant | 29 Jul - 2 Sept | Slicing | Slicer, early maturing, All America Selection, 8 to 10" fruits, semi-dwarf plants | Otis S. Twilley Seed Co. |
| Cucumber | H-19 Little Leaf | 11 | 8 | 7 May | 5 Jun | 11.55 | lb/ plant | 29 Jul - 2 Sept | Pickling, small leaves make it easy to pick | Compact vines; half-normal size leaves; good for fresh eating & pickling | Johnny's Selected Seeds |
| Cucumber | Northern Pickling | 11 | 8 | 7 May | 5 Jun | 9.09 | lb/ plant | 29 Jul - 2 Sept | Pickling | Pickling, fast-maturing for short season gardening, heavy yields, 4-6" cucumbers | Garden City Seeds |
| Cucumber | Salad Bush | 11 | 7 | 7 May | 5 Jun | 5.21 | lb/ plant | 29 Jul - 2 Sept | Slicing | Slicer, bush habit, 8-9" straight dark green fruits, very early | Harris Seeds |
| Cucumber | Sweet Success | 11 | 7 | 7 May | 5 Jun | 16.59 | lb/ plant | 29 Jul - 2 Sept | Slicing, consistent high yields | Burpless slicer; slender, long, 12" fruits; All America Selection | Shumway's (HPS) |
| Cucumber | Sweeter Yet | 11 | 7 | 7 May | 5 Jun | 0.17 | lb/ plant | 2 Sept | | Early burpless slicer; 10-12" dark green fruit; compact semi-bush type plants | Vesey's Seeds |
| Eggplant | Bride | rb | | 18 Mar | 30 May | 0.28 | lb/ plant | 11 Sept | | Slim 8" long, 1½" wide fruit; rose, light rose/white stripes & pure white fruit | Stokes Seeds |
| Eggplant | Early Bird | rb | | 18 Mar | 30 May | 0.68 | lb/ plant | 11 Sept | | Earliest thick-fruited eggplant | Park Seed |
| Eggplant | Green Goddess | rb | | 18 Mar | 30 May | 1.43 | lb/ plant | 3 Sept | | Light green skin, fruits 8" long, less than 2" diameter | Nichols Garden Nursery |
| Eggplant | Orient Express | rb | | 18 Mar | 30 May | 0.93 | lb/ plant | 29 Jul - 11 Sept | Early black oriental type | Glossy black fruits, long Asian style; early; ability to set fruit in cool weather | Johnny's Selected Seeds |

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|---------------------|----------------|------|-----|-------------|--------------|-------|--------------|--------------------|--|--|---------------------------|
| Eggplant | Snowy | rb | | 18-Mar | 30-May | 1.28 | lb/ plant | 25 Jul - 3 Sept | Nice white oriental type eggplant, early | Ivory-white, nicely shaped, long, uniform fruit; early & productive | Johnny's Selected Seeds |
| Kale | Red Russian | 8 | 1 | 30-May | Direct Seed | 3.64 | lb/ft | 12 Sept | Consistent high yields, attractive in garden | Grey-green leaves with purple stems & veins | West Coast Seeds |
| Kale | Toscana | 8 | 1 | 30 May | Direct Seed | 1.31 | lb/ft | 12 Sept | | Dark green, blistered leaves, mild flavor & vitamin rich | Johnny's Selected Seeds |
| Kale | Winterbor | 8 | 1 | 30 May | Direct Seed | 2.60 | lb/ft | 12 Sept | | Finely curled, thick, blue-green leaves; 2' tall | Territorial Seed Co. |
| Kohlrabi | Eder | 8 | 8 | 30 May | Direct Seed | 2.22 | lb/ft | 12 Aug - 22 Aug | | Extra-early white; tender & fast maturing | Johnny's Selected Seeds |
| Kohlrabi | Grand Duke | 8 | 8 | 30 May | Direct Seed | 2.21 | lb/ft | 12 Aug - 22 Aug | | Very early; uniform, smooth, round bulbs with crisp, white flesh; vigorous small plants | Vermont Bean Seed Company |
| Kohlrabi | Kolibri | 8 | 8 | 30 May | Direct Seed | 2.50 | lb/ft | 12 Aug - 22 Aug | | Purple-skinned with a cream interior; flatish-round, 4-6" wide; allows for closer planting | Territorial Seed Co. |
| Leek | Arena | 4 | 9 | 12 Mar | 29 May | 3.37 | lb/ft | 10 Sept | | Upright growing; blue-green; long white 7" shafts; consistent uniform yields | Vesey's Seeds |
| Leek | King Richard | 4 | 9 | 19 Mar | 29 May | 1.74 | lb/ft | 10 Sept | | Extra long, 15", slim stems; stay sweet tender, & white all season long | West Coast Seeds |
| Leek | Pancho | 4 | 9 | 12 Mar | 29 May | 4.23 | lb/ft | 10 Sept | | Stocky, short-shanked summer leek; excellent quality | Seeds of Change |
| Lettuce, Butterhead | Edox M.I. | 8 | 4 | 23 Apr | 30 May | 1.32 | lb/ft | 8 Jul - 11 Jul | | Medium sized red Boston; deep red color; firm leaves; tolerances to poor weather | Stokes Seeds |
| Lettuce, Butterhead | Ermosa | 8 | 4 | 23 Apr | 30 May | 1.37 | lb/ft | 8 Jul - 11 Jul | | Dark green, summer Boston type; tolerant to tipburn & bolting | Johnny's Selected Seeds |
| Lettuce, Butterhead | Esmeralda M.I. | 8 | 4 | 23 Apr | 30 May | 1.93 | lb/ft | 8 Jul - 18 Jul | | Standard medium green Boston; slow bolting; tipburn tolerant | Stokes Seeds |
| Lettuce, Butterhead | Mikola | 8 | 6 | 23 Apr | 30 May | 0.65 | lb/ft | 8 Jul | | Red, compact, heavy heads; leaves have green base with uniform red edge | Johnny's Selected Seeds |
| Lettuce, Butterhead | Sangria | 8 | 4 | 23 Apr | 30 May | 1.31 | lb/ft | 11 Jul - 18 Jul | | Red butterhead; medium dark green leaves tinged red; resistant to bolting, tipburn | Stokes Seeds |

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|--------------------|----------------|------|-----|-------------|--------------|-------------------|-------|-----------------|--------------------------------------|---|-------------------------|
| Lettuce, Crisphead | Burgundy Ice | 8 | 6 | 23 Apr | 30 May | 1.89 | lb/ft | 15 Jul - 18 Jul | | Small-to-medium head lettuce; outer leaves blushed with burgundy, crisp inner leaves light green | W. Atlee Burpee & Co. |
| Lettuce, Crisphead | Continuity | 8 | 6 | 23 Apr | 30 May | 0.66 | lb/ft | 18 Jul | tipburn | Early-maturing crisphead; red leaves tinged with green; heirloom, bred in 1900 | Seeds of Change |
| Lettuce, Leaf | Bronze Arrow | 8 | 2 | 30 May | Direct Seed | continous cutting | | 16 Jul - 6 Aug | nice color, began to bolt by 6 Aug | Red tinged with green heirloom; slow to bolt; very cold hardy | Seeds of Change |
| Lettuce, Leaf | Brunia Oakleaf | 8 | 3 | 30 May | Direct Seed | no harvest data | | 16 Jul - 6 Aug | nice color, some rotting by 6 Aug | Long, slender, indented leaves, olive-green at base, reddish-brown at tips; slow to bolt | West Coast Seeds |
| Lettuce, Leaf | Cocarde | 8 | | 30 May | Direct Seed | | | 16 Jul - 6 Aug | | Large, upright, trumpet-shaped heads; lobed, dark green leaves w/purplish-red overlay; slow bolting | Johnny's Selected Seeds |
| Lettuce, Leaf | Galactic | 8 | 2 | 30 May | Direct Seed | | | 16 Jul - 6 Aug | beautiful, holds well | Dark red; mild flavor | Shepherd's Garden Seeds |
| Lettuce, Leaf | Green Ice | 8 | 2 | 30 May | Direct Seed | | | 16 Jul - 6 Aug | holds well | Green, glossy, savoyed (crinkly) leaves; tight, compact heads | Pinetree Garden Seeds |
| Lettuce, Leaf | New Red Fire | 8 | 2 | 30 May | Direct Seed | | | 16 Jul - 6 Aug | nice red, beginning to fade by 6 Aug | Dark red, tight & compact, slow to bolt, good flavour | Harris Seeds |
| Lettuce, Leaf | Red Rage | 8 | 2 | 30 May | Direct Seed | | | 16 Jul - 6 Aug | fading by late July | Dark red color | Stokes Seeds |
| Lettuce, Leaf | Red Sails | 8 | 2 | 30 May | Direct Seed | | | 16 Jul - 6 Aug | beginning to fade by 6 Aug | Compact heads; ruffled leaves, green overlaid w/deep burgundy; resists tipburn; All America Selection | Johnny's Selected Seeds |
| Lettuce, Leaf | Revolution | 8 | 3 | 30 May | Direct Seed | | | 16 Jul - 6 Aug | beautiful, holds well | Deep, intense red lettuce; 10-12"; lollo rossa type; deeply frilled leaves; slow to bolt | Territorial Seed Co. |
| Lettuce, Leaf | Royal Oak Leaf | 8 | 3 | 30 May | Direct Seed | | | 16 Jul - 6 Aug | nice color, slight fading by 6 Aug | Spicy flavor, bronze-red, oak-shaped leaves | Ball Seed |
| Lettuce, Leaf | Ruby Ruffles | 8 | 3 | 30 May | Direct Seed | | | 16 Jul - 6 Aug | good color, poor condition by 6 Aug | Deep burgundy, deeply puckered leaves | Park Seed |
| Lettuce, Romaine | Cimmaron | 8 | 5 | 23 Apr | 30 May | 4.51 | lb/ft | 11 Jul - 14 Jul | | Deep red romaine; rarely bolts; good flavor & crisp, tender texture | Garden City Seeds |

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|------------------|-------------------|------|-----|-------------|--------------|-------|-------|-----------------|--|---|---------------------------|
| Lettuce, Romaine | Devil's Tongue | 8 | 5 | 23 Apr | 30 May | 0.91 | lb/ft | 11 Jul - 18 Jul | | Leaves turn from light green to green overlaid with red, new growth deep red; best picked small | Territorial Seed Co. |
| Lettuce, Romaine | Eruption | 8 | 5 | 23 Apr | 30 May | 1.24 | lb/ft | 15 Jul - 18 Jul | | Intensely red; savoy leaves; heads will reach 8" tall; slow bolting; resistant to tipburn | Vesey's Seeds |
| Lettuce, Romaine | Freckles | 8 | 6 | 23 Apr | 30 May | 1.44 | lb/ft | 11 Jul | tipburns easily | Speckled foliage; nutty taste; slow to bolt | Harris Seeds |
| Lettuce, Romaine | Giant Caesar | 8 | 6 | 23 Apr | 30 May | 1.85 | lb/ft | 11 Jul | susceptible to tipburn | Medium to dark green; vigorous plants; 16" long by 6" wide heads | W. Atlee Burpee & Co. |
| Lettuce, Romaine | Outredgeous | 8 | 6 | 23 Apr | 30 May | 2.62 | lb/ft | 11 Jul - 15 Jul | | Outstanding; solid bright red | Johnny's Selected Seeds |
| Lettuce, Romaine | Romulus | 8 | 5 | 23 Apr | 30 May | 1.39 | lb/ft | 14 Jul - 18 Jul | susceptible to tipburn | Green; sweet & mild flavour; slow to bitter; heads 9 to 12" tall; slightly savoyed leaves | Vermont Bean Seed Company |
| Lettuce, Romaine | Rosalita | 8 | 6 | 23 Apr | 30 May | 1.66 | lb/ft | 11 Jul - 15 Jul | susceptible to tipburn | Early red romaine, medium sized, compact | Ornamental Edibles |
| Pea | Green Arrow | 11 | 3 | 28 May | Direct Seed | 1.42 | lb/ft | 14 Aug - 22 Aug | Reliable variety for Fairbanks | A favorite variety in Canada & Alaska; excellent flavor; high yields | Seedway |
| Pea | Lincoln | 11 | 3 | 28 May | Direct Seed | 0.36 | lb/ft | 14 Aug - 22 Aug | | Slender 3" pods, avg. 8-9 small peas; bushy 28" plants | Stokes Seeds |
| Pea | Mr Big | 11 | 2 | 28 May | Direct Seed | 0.72 | lb/ft | 14 Aug - 22 Aug | | Large pods; early; indeterminate vine, 2-3', needs support; 58 to 62 days | Burpee Seed |
| Pea | Novella II | 11 | 3 | 28 May | Direct Seed | 0.23 | lb/ft | 22 Aug - 27 Aug | Easy to pick, doesn't require trellising | Semi-leafless pea; needs no trellising; easy to pick; plant 5 rows 7" apart, 4" between plants in row | Garden City Seeds |
| Pea, Snap | Cascadia | 11 | 2 | 28 May | Direct Seed | 0.54 | lb/ft | 7 Aug - 22 Aug | Nice short vined sugar snap type | Short vine, compact bush; larger 3" dark green pods | Stokes Seeds |
| Pea, Snap | Sugar Sprint Snap | 11 | 1 | 28 May | Direct Seed | 0.27 | lb/ft | 7 Aug - 27 Aug | | Sweet stringless pods; early; short 24" vines | Nichols Garden Nursery |
| Pea, Snap | Sugarsnap | 11 | 1 | 28 May | Direct Seed | 0.40 | lb/ft | 7 Aug - 22 Aug | | Tall vines, 6' or more, need support; pods are about 3"; long picking period; All America Selection | Johnny's Selected Seeds |

| Common Name | Cultivar | Plot | Row | Date Seeded | Date Planted | Yield | | Harvest Period | Comments | Catalog Description* | Source |
|-------------|----------------------|-------|-----|-------------|--------------|--------|----------|------------------|-----------------------------------|---|-------------------------|
| Pea, Snap | Super Sugar Snap | 11 | 1 | 28 May | Direct Seed | 0.56 | lb/ft | 7 Aug - 22 Aug | High yielding sugar snap type | Improved strain of "Sugar Snap"; pods are plumper, more numerous; plants more disease resistant | Harris Seeds |
| Pea, Snow | Oregon Sugar Pod II | 11 | 1 | 28 May | Direct Seed | 0.76 | lb/ft | 7 Aug - 27 Aug | | Nonclimbing dwarf vines; 30" tall; hold their pods up for easy picking; pods are 4-5" long | Territorial Seed Co. |
| Pea, Snow | Snow Green | 11 | 2 | 28 May | Direct Seed | 0.38 | lb/ft | 7 Aug - 22 Aug | | Medium-sized, 3/4 to 3 1/2" pods borne on 28" vines; do not need support | Johnny's Selected Seeds |
| Pepper | Blushing Beauty | rb | | 2 Apr | 30 May | 0.69 | lb/plant | 3 Sept - 11 Sept | Sweet bell, All America Selection | Bushy compact, peppers blush from ivory to pink & red as they mature | All America Selections |
| Pepper | Fajita Bell | rb | | 2 Apr | 30 May | 1.61 | lb/plant | 7 Aug - 11 Sept | Medium hot bell pepper | Large-fruited, moderately hot, bell pepper; compact, 18" tall; 3-4 lobed fruit | Vesey's Seeds |
| Pepper | Giant Marconi | rb | | 2 Apr | 30 May | 3.23 | lb/plant | 25 Jul - 11 Sept | Sweet Italian style pepper | Italian sweet pepper; sweet, smoky flavor | All America Selections |
| Pepper | Gypsy | rb | | 2 Apr | 30 May | 1.34 | lb/plant | 3 Sept - 11 Sept | Yellow sweet banana | Yellow, thick-walled sweet pepper; 6-7" tapers to a point | West Coast Seeds |
| Pepper | Hungarian Wax | rb | | 2 Apr | 30 May | 1.29 | lb/plant | 29 Jul - 11 Sept | Very slightly hot yellow | Fairly hot; canary yellow; fruits 8" long, tapered | W. Atlee Burpee & Co. |
| Pepper | New Ace | rb | | 2 Apr | 30 May | 0.57 | lb/plant | 11 Sept | Sweet bell | Sets fruit well in cool weather; fruits are medium in size & flavor is good | Pinetree Garden Seeds |
| Pepper | Park's Early Thicket | rb | | 2 Apr | 30 May | 0.80 | lb/plant | 2 Sept - 11 Sept | Sweet bell | Early Bell; 3- to 4-lobed, thick walled fruit | Park Seed |
| Pepper | Senorita | rb | | 2 Apr | 30 May | 0.53 | lb/plant | 3 Sep - 11 Sept | Medium hot bell pepper | Bears mild jalapeños, 3" long, 1 1/2" wide; 2' tall upright plants | Territorial Seed Co. |
| Pepper | Thai Hot | gh/rb | | 2 Apr | 30 May | 0.78 | lb/plant | 25 Jul - 11 Sept | Hot cayenne | Hot, thin, tapered 1" fruits | Park Seed |
| Pumpkin | Connecticut Field | 9 | 1&2 | 30 Apr | 5 Jun | 135.50 | lb/plant | 10 Sept | Large | Standard Hallowe'en pumpkin; 15-25 lbs | Stokes Seeds |
| Pumpkin | New England Pie | 9 | 2 | 30 Apr | 5 Jun | 63.20 | lb/plant | 10 Sept | Small pie | Small-sized, avg. 4-7 lb; dark orange skin; well-colored, orange stringless flesh | Johnny's Selected Seeds |
| Pumpkin | Orange Smoothie | 9 | 2 | 30 Apr | 5 Jun | 29.40 | lb/plant | 10 Sept | | Medium-small, smooth painter, avg. 6-9 lb; bright orange; semi-bush: All America Selection | Johnny's Selected Seeds |

| Common Name | Cultivar | Plot | Row | Date Seeded | Date Planted | Yield | | Harvest Period | Comments | Catalog Description* | Source |
|-------------|--------------|------|-----|-------------|--------------|--------|--------------|----------------|--|---|--------------------------|
| Pumpkin | Racer | 9 | 3 | 30 Apr | 5 Jun | 106.45 | lb/ plant | 10 Sept | | Extra early; medium size, 12-18 lb; highly productive; vigorous; short vine | Johnny's Selected Seeds |
| Pumpkin | Rock Star | 9 | 3 | 30 Apr | 5 Jun | 96.95 | lb/ plant | 10 Sept | | Vigorous growing; avg. 25 lb. pumpkin with earlier maturity; better adaptability to weather; long vine. | Johnny's Selected Seeds |
| Pumpkin | Sorcerer | 9 | 1 | 30 Apr | 5 Jun | 127.80 | lb/ plant | 10 Sept | | 15 to 22 pounds; produced on compact vine | All America Selections |
| Pumpkin | Wee-B-Little | 9 | 1 | 30 Apr | 5 Jun | 6.90 | lb/ plant | 10 Sept | Very small ornamental | Miniature orange, ca. 8oz-1lb; bush type, saves space | All America Selections |
| Radish | Burpee White | 8 | 10 | 30 May | Direct Seed | 0.36 | lb/ft | 1 Jul - 7 Jul | Very nice shape | Globe-shaped white roots; best eaten when 1" across | W. Atlee Burpee & Co. |
| Radish | Cherriette | 8 | 10 | 30 May | Direct Seed | 0.35 | lb/ft | 25 Jun - 7 Jul | Nice red color, nice shape, | Cherry Belle type; holds well | Harris Seeds |
| Radish | Cherry Belle | 8 | 10 | 30 May | Direct Seed | 0.30 | lb/ft | 25 Jun - 7 Jul | Mostly elongate | Bright red; outstanding keeping quality | Otis S. Twilley Seed Co. |
| Radish | Easter Egg | 8 | 10 | 30 May | Direct Seed | 0.18 | lb/ft | 1 Jul - 7 Jul | Red, purple and white | Mix of red, purple, & white radishes: mature over an extended period; stay crisp & mild even when large | Johnny's Selected Seeds |
| Radish | Reggae | 8 | 10 | 30 May | Direct Seed | 0.41 | lb/ft | 25 Jun - 7 Jul | Nice red color, Nice shape, | Large, round, bright red globes, holds well | Park Seed |
| Radish | Sora | 8 | 10 | 30 May | Direct Seed | 0.43 | lb/ft | 25 Jun - 7 Jul | Nice red color, nice shape, early | Large, smooth, bright red; round; solid texture | Johnny's Selected Seeds |
| Radish | Vintage | 8 | 10 | 30 May | Direct Seed | 0.33 | lb/ft | 25 Jun - 7 Jul | Purple, off color | No longer available? | Harris Seeds |
| Spinach | Correnta | 8 | 7 | 30 May | Direct Seed | 1.38 | lb/ft | 7 Jul | | Smooth leaved hybrid; dark green | Shepherd's Garden Seeds |
| Spinach | Giant 157 | 8 | 7 | 30 May | Direct Seed | 0.71 | lb/ft | 7 Jul | | Extra-large, smooth, heavy leaves; very productive | W. Atlee Burpee & Co. |
| Spinach | Green Magic | 8 | 7 | 30 May | Direct Seed | 1.39 | lb/ft | 7 Jul | | Savoy hybrid; dark green, crinkled, crisp leaves; upright habit for ease of harvest; fast growing; slow bolting | Vesey's Seeds |
| Spinach | Melody | 8 | 7 | 30 May | Direct Seed | 1.90 | lb/ft | 7 Jul | Most reliable for Fairbanks, resists bolting | Semi-savoy hybrid; upright plants; deep green leaves | Stokes Seeds |
| Spinach | Tyee | 8 | 7 | 30 May | Direct Seed | 1.43 | lb/ft | 7 Jul | Good variety for Fairbanks | Semi-savoy, dark green, spreading habit | Stokes Seeds |

| Common Name | Cultivar | Plot | Row | Date Seeded | Date Planted | Yield | | Harvest Period | Comments | Catalog Description* | Source |
|-------------------|-------------------------|------|-----|-------------|--------------|---------|--------------|---------------------|---|--|-------------------------|
| Squash, Spaghetti | Hi Beta Gold | 7 | 2 | 30 Apr | 5 Jun | 1.40 | lb/ plant | 11 Sept | | Bright orange color throughout, higher in beta carotene (vitamin A) | Pinetree Garden Seeds |
| Squash, Spaghetti | Small Wonder | 7 | 1&3 | 30 Apr | 5 Jun | no data | lb/ plant | 10 Aug - 11 Sept | Excellent small spaghetti squash, high yields | Small fruit comes in "single serving" size | Park Seed |
| Squash, Summer | Early Prolific | 12 | 1 | 7 May | 5 Jun | 7.46 | lb/ plant | 31 Jul - 11 Sept | | Straight neck, lemon yellow, harvest 4-7" long, firm, fine grained flesh | Garden City Seeds |
| Squash, Summer | Eight Ball | 12 | 1 | 7 May | 5 Jun | 26.75 | lb/ plant | 18 Jul - 4 Sept | Round zucchini | Dark green, round zucchini; harvest young, the size of a golf ball | All America Selections |
| Squash, Summer | Papaya Pear | 12 | 1 | 7 May | 5 Jun | 15.18 | lb/ plant | 1 Aug - 11 Sept | Interesting papaya shape, sweet mild flavor | Early; bright yellow, shape similar to papaya, semi-bush, pick young ca. 3" long x 2-3" wide | All America Selections |
| Squash, Summer | Raven | 12 | 1 | 7 May | 5 Jun | 17.63 | lb/ plant | 15 Jul - 11 Sept | Zucchini | Zucchini; darker green skin contains higher levels of lutein, a highly effective antioxidant | Johnny's Selected Seeds |
| Squash, Summer | Sunburst | 12 | 1 | 7 May | 5 Jun | 5.49 | lb/ plant | 6 Aug - 11 Sept | Patty pan | Bright yellow patty pan; harvest small 3"; All America Selection | Stokes Seeds |
| Squash, Summer | Sunray | 12 | 1 | 7 May | 5 Jun | 6.68 | lb/ plant | 7 Aug - 11 Sept | | Straightneck squash; rich, butter yellow; holds color longer than most varieties | W. Atlee Burpee & Co. |
| Squash, Summer | Super Zuke Hybrid | 12 | 1 | 7 May | 5 Jun | 37.14 | lb/ plant | 15 Jul - 11 Sept | Zucchini | Zucchini; bush-type plants; nutty flavor | W. Atlee Burpee & Co. |
| Squash, Winter | Ambercup | 7 | 1 | 30 Apr | 5 Jun | 52.40 | lb/ plant | 11 Sept | Reliable variety for Fairbanks | Bright orange buttercup, 2 lbs; long shelf life; high yields; bright orange flesh | Stokes Seeds |
| Squash, Winter | Cornell's Bush Delicata | 7 | 1 | 30 Apr | 5 Jun | 0.15 | lb/ plant | 11 Sept | Low yield probably due to long daylengths that inhibit flower production on some squash | Delicata squash; orange fine textured flesh; rich in vitamin A | All America Selections |
| Squash, Winter | Gold Nugget | 7 | 2 | 30 Apr | 5-Jun | 22.30 | lb/ plant | 11 Sept | | Developed as substitute for sweet potato in short-season areas; 3-4' bush; 1-1½lb fruit; All America Selection | Territorial Seed Co. |
| Squash, Winter | Mini Green Hubbard | 7 | 2 | 30 Apr | 5 Jun | 36.30 | lb/ plant | 11 Sept | | Small Hubbard; medium green; average 2½ lbs | Stokes Seeds |

| Common Name | Cultivar | Plot | Row | Date Seeded | Date Planted | Yield | | Harvest Period | Comments | Catalog Description* | Source |
|----------------|---------------|------|-----|-------------|--------------|-------|--------------|---------------------|--|---|---------------------------|
| Squash, Winter | Sunshine | 7 | 3 | 30 Apr | 5 Jun | 33.40 | lb/ plant | 11 Sept | | Vibrant orange-red skin, flattened globe shape; sweet, nutty, creamy smooth; 6 to 8' spacing | All America Selections |
| Squash, Winter | Sweet Mama | 7 | 3 | 30 Apr | 5 Jun | 50.50 | lb/ plant | 11 Sept | Reliable variety for Fairbanks | Buttercup hybrid; 4 ft vines; green-grey fruit, 2½ lbs, stores 5 months; All America Selection | Stokes Seeds |
| Sweet Corn | Custer | 1 | | 15 May | Direct Seed | 1.76 | lb/ft | NA | Latest, sugary enhanced, sweeter | Earliest large, sugary enhanced (se); replaces EarliVee | Stokes Seeds |
| Sweet Corn | Earlivee | 1 | | 15 May | Direct Seed | 6.01 | lb/ft | NA | 3rd Early | Early; normal sugary gene type; large, well-filled 6-7 inch ears | Territorial Seed Co. |
| Sweet Corn | Grant | 1 | | 15 May | Direct Seed | 3.15 | lb/ft | NA | 4th early, sugary, enhanced, sweeter | Earliest sugary enhanced (se); replaces Polar Vee, longer, slim ear | Stokes Seeds |
| Sweet Corn | Polar Vee | 1 | | 15 May | Direct Seed | 1.27 | lb/ft | NA | 2nd early, very poor germination in 2003 | Early; normal sugary gene type; 6-6½" ears | Vermont Bean Seed Company |
| Sweet Corn | Yukon Chief | 1 | | 15 May | Direct Seed | 0.96 | lb/ft | NA | Earliest, reduced germination in 2003 | Bred at UAF; exceptionally early dwarf corn; 5-6 inch ears; excellent cold soil emergence | Garden City Seeds |
| Swiss Chard | Bright Lights | 8 | 1 | 30 May | Direct Seed | 1.03 | lb/ft | 12 Sept | | Multicolor stems of gold, pink, orange, purple, red, & white with both deep & pastel variations | All America Selections |
| Swiss Chard | Bright Yellow | 8 | 1 | 30 May | Direct Seed | 1.14 | lb/ft | 12 Sept | | Bright yellow stems & leaf veins contrast with deep green leaves; sweet, mild taste | Johnny's Selected Seeds |
| Swiss Chard | Neon Lights | 8 | 1 | 30 May | Direct Seed | 0.67 | lb/ft | 12 Sept | | Blend of five varieties: golden yellow, intense red, 2 white shades & rich magenta | W. Atlee Burpee & Co. |
| Swiss Chard | Silverado | 8 | 1 | 30 May | Direct Seed | 1.17 | lb/ft | 12 Sept | | Compact 16" plant; dark green, deeply savoyed, leaves; broad white stems; slow to bolt | Stokes Seeds |
| Swiss Chard | White King | 8 | 1 | 30 May | Direct Seed | 1.49 | lb/ft | 12 Sept | | Large thick white ribs; extra dark green heavily savoyed leaves | Stokes Seeds |
| Tomatillo | Toma Verde | rb | | 15 Apr | 30 May | 2.17 | lb/ plant | 2 Sept - 11 Sept | | 4-foot bush; 2-oz. fruits in papery brown husks; harvest when greenish fruits turn pale yellow | Park Seed |

Table 4. 2003 seeding & transplanting dates and spacing of vegetable cultivars

| | | Spacing | | | | | | | |
|---------------------|----------------|---------|--------|--------------|------------|--------------|-------|---|--|
| Common Name | Cultivar | Bed # | Date | | Within Row | Between Rows | IRT | | |
| | | | Seeded | Transplanted | | | Mulch | Comments | |
| Artichoke | | rb† | 2 Apr | 30 May | 2' | 5' | Yes | | |
| Bean | | 11 | 28 May | Direct Seed | 2" | 3' | | | |
| Beet | | 8 | 30 May | Direct Seed | 3" | 2' | | | |
| Broccoli | | 5 | 23 Apr | 28 May | 16" | 3' | | | |
| Brussels Sprouts | | 5 | 18 Mar | 28 May | 2' | 3' | | | |
| Cabbage | | 5 | 23 Apr | 28 May | 16" | 3' | | | |
| Cabbage | OS Cross* | rb† | 18 Mar | 30 May | 12" | 3' | | | |
| Cabbage | Earliana* | 5 | 23 Apr | 28 May | 12" | 3' | | | |
| Cabbage | Primax* | 5 | 23 Apr | 28 May | 12" | 3' | | | |
| Cabbage | Savoy Express* | 5 | 23 Apr | 28 May | 12" | 3' | | | |
| Carrot | | 4 | 29 May | Direct Seed | 1 1/2" | 18" | | | |
| Cauliflower | | 5 | 23 Apr | 28 May | 16" | 3' | | | |
| Celery | | 4 | 18 Mar | 29 May | 6" | 3' | | Staggered double row, 6" spacing both directions | |
| Cucumber | | 11 | 7 May | 5 Jun | 2.5' | 5' | Yes | | |
| Eggplant | | rb† | 18 Mar | 30 May | 12" | 5' | Yes | Planted 2 rows of plants 1' apart in 3' mulched row | |
| Kale | | 8 | 30 May | Direct Seed | 12" | 2' | | | |
| Kohlrabi | | 8 | 30 May | Direct Seed | 5" | 2' | | | |
| Leek | | 4 | 12 Mar | 29 May | 3" | 3' | | | |
| Lettuce, Butterhead | | 8 | 23 Apr | 30 May | 10" | 2' | | | |
| Lettuce, Crisphead | | 8 | 23 Apr | 30 May | 10" | 2' | | | |
| Lettuce, Leaf | | 8 | 30 May | Direct Seed | 10" | 2' | | | |
| Lettuce, Romaine | | 8 | 23 Apr | 30 May | 10" | 2' | | | |
| Pea | | 11 | 28 May | Direct Seed | 1" | 3' | | Double rows spaced 6" apart | |
| Pea, Snap | | 11 | 28 May | Direct Seed | 1" | 3' | | | |
| Pea, Snow | | 11 | 28 May | Direct Seed | 1" | 3' | | | |
| Pepper | | rb† | 2 Apr | 30 May | 12" | 5' | Yes | Planted 2 rows of plants 1' apart in 3' mulched row | |
| Pumpkin | | 9 | 30 Apr | 5 Jun | 7' | 7' | Yes | | |
| Pumpkin | Racer* | 9 | 30 Apr | 5 Jun | 5' | 7' | Yes | | |
| Pumpkin | Rock Star* | 9 | 30 Apr | 5 Jun | 5' | 7' | Yes | | |
| Radish | | 8 | 30 May | Direct Seed | 1" | 2' | | | |

| Common Name | Cultivar | # | Date Seeded | Date Transplanted | Within Row | Between Rows | Mulch | Comments |
|-------------------|--------------------------|-----|-------------|-------------------|------------|--------------|-------|---------------------------------------|
| Spinach | | 8 | 30 May | Direct Seed | 4" | 2' | | |
| Squash, Spaghetti | | 7 | 30 Apr | 5 Jun | 7' | 7' | Yes | |
| Squash, Summer | | 12 | 7 May | 5 Jun | 3' | 5' | Yes | |
| Squash, Winter | | 7 | 30 Apr | 5 Jun | 7' | 7' | Yes | |
| Squash, Winter | Cornell's Bush Delicata* | 7 | 30 Apr | 5 Jun | 4' | 7' | Yes | |
| Sweet Corn | | 1 | 15 May | Direct Seed | 12" | 5' | Yes | Planted 3 seeds per hill, not thinned |
| Swiss Chard | | 8 | 30 May | Direct Seed | 12" | 2' | | |
| Tomatillo | | rb† | 15 Apr | 30 May | 18" | 5' | Yes | |

* Cultivars that were planted at different spacing than other cultivars of the same type
† raised beds

Special Thanks!

We thank all of our business, government, volunteer, and nonprofit partners who support the Garden with seeds, plants, other donations and discounts.

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Alplains

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Moscow ID 83843

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T & T Seeds, Ltd.
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Valley Nursery
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Vesey's Seeds, Ltd.
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About the Agricultural and Forestry Experiment Station

The federal Hatch Act of 1887 authorized establishment of agricultural experiment stations in the U.S. and its territories to provide science-based research information to farmers. There are agricultural experiment stations in each of the 50 states, Puerto Rico, and Guam. All are part of the land-grant college system. The Morrill Act established the land-grant colleges in 1862. While the experiment stations perform agricultural research, the land-grant colleges provide education in the science and economics of agriculture.

The first experiment station in Alaska was established in Sitka in 1898. Subsequent stations were opened at Kodiak, Kenai, Rampart, Copper Center, Fairbanks, and Matanuska. The latter two remain. None were originally part of the Alaska land-grant college system. The Alaska Agricultural College and School of Mines was established by the Morrill Act in 1922. It became the University of Alaska in 1935. The Fairbanks and Matanuska stations now form the Agricultural and Forestry Experiment Station of the University of Alaska Fairbanks, which also includes the Palmer Research Center.

Early experiment station researchers developed adapted cultivars of grains, grasses, potatoes, and berries, and introduced many vegetable cultivars appropriate to Alaska. Animal and poultry management was also important. This work continues, as does research in soils and revegetation, forest ecology and management, and rural and economic development. Change has been constant as the Agricultural and Forestry Experiment Station continues to bring state-of-the-art research information to its clientele.

Acknowledgments

Without our dedicated volunteers, continued growth and success of the Georgeson Botanical Garden would not be possible. A big thank you to our 2003 volunteers!

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