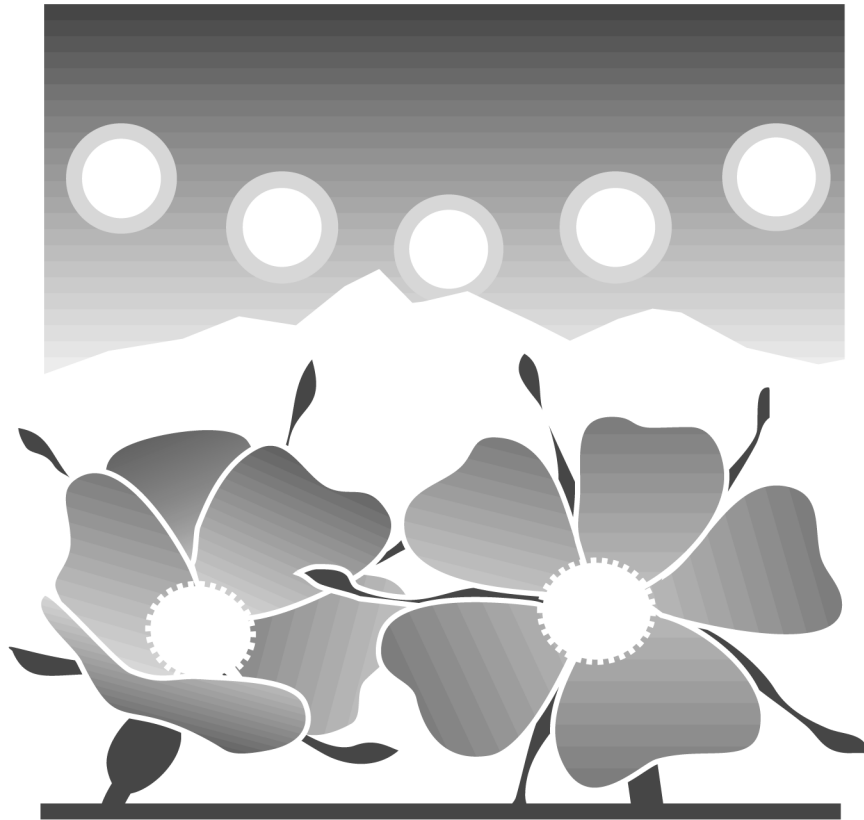


# Annual Vegetable Evaluations 2005



**GEORGESON**  
**BOTANICAL GARDEN**

by

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## Introduction

Vegetable cultivar trials are conducted every year at the Agricultural and Forestry Experiment Station Georgeson Botanical Garden (64° 51'N, 147° 52'W). Trials consist of new and standard cultivars suitable for small market gardens and home gardens in the Tanana Valley, Alaska. Plot sizes are small, and results do not necessarily reflect yield and produce quality that might be expected on large farms. Positive results should be viewed as cultivars worth further testing at the great diversity of commercial and home gardens throughout the Tanana Valley.

Weather data were compiled annually from a U.S. Weather Service station, elevation 475ft (145m), located approximately 350ft (107m) west of the garden (Tables 1, 2). The last spring frost was very early on 5 May (31°F, -1°C). Gardeners who planted in mid May enjoyed an extended season and high yields especially on warm season crops. The amount of precipitation was more than 2 inches greater than the past ten year average of 8.3 inches and was the wettest season in the past 10 years.

The thaw degree-day accumulation was 463 degree-days higher than the previous ten-year average and was the warmest during the past 10 years. The frost free season of 120 days compared to the previous ten year average of 110 days. Fall frost arrived at a predictable first week of September, so the season extension was

in spring. July was smoky from another season of record forest fires. The extra warmth provided a good growing seasons in the Tanana Valley.

This year approximately 100 vegetable cultivars were included in the tests at the Georgeson Botanical Garden. Each cultivar is tested for at least three years as long as it is available commercially. The vegetable trials were planted from 6 May to 6 June, 2005 (Table 3.) in the Family Food Garden. Fairbanks silt loam soil was fertilized with 10-20-20S (4 lbs per 100 sq. ft., 195 g per sq meter) prior to planting. The cole crops, cucurbits, peppers, tomatoes, artichokes and eggplant were grown as seedling transplants. All others were direct seeded. Transplants were hardened off outdoors for one week prior to transplanting.

All cultivars were planted according to recommended commercial spacing guidelines (Table 3.) in unreplicated beds. Plant numbers varied according to plot size. Plots were irrigated and hand weeded as needed throughout the summer. Rows of turnips and radishes were covered with Remay® spun-bonded fabric to prevent root maggot damage.

Harvest began the third week of June with radish and spinach and continued three times weekly through September. Data consisted of yield as well as observations of disease, off-type plants, and deformities.

Table 1. Weather data from the U.S. Weather Service station located just west of the garden for years 1995 - 2005.

| Season                    | 1995   | 1996   | 1997   | 1998     | 1999   | 2000   | 2001   | 2002   | 2003   | 2004  | 2005  |
|---------------------------|--------|--------|--------|----------|--------|--------|--------|--------|--------|-------|-------|
| Average temperature: (°F) |        |        |        |          |        |        |        |        |        |       |       |
| May                       | 52     | 44     | 48     | 49       | 46     | 44     | 45     | 50     | 44     | 52    | 56    |
| June                      | 59     | 57     | 61     | 58       | 61     | 59     | 57     | 58     | 61     | 66    | 67    |
| July                      | 62     | 62     | 64     | 62       | 61     | 59     | 61     | 61     | 61     | 65    | 63    |
| Aug                       | 56     | 52     | 57     | 52       | 58     | 52     | 57     | 54     | 55     | 62    | 58    |
| Sep                       | 51     | 41     | 50     | 46       | 45     | 41     | 49     | 47     | 41     | 38    | 46    |
| Maximum temperature (°F)  | 85     | 82     | 87     | 87       | 91     | 83     | 95     | 85     | 82     | 90    | 85    |
| Growing season:           |        |        |        |          |        |        |        |        |        |       |       |
| Last frost                | May 22 | June 5 | May 25 | May 13   | May 29 | May 15 | May 13 | May 12 | May 24 | May 8 | May 5 |
| First frost               | Sep 4  | Aug 27 | Aug 19 | Sept. 13 | Sep 11 | Sep 16 | Sep 24 | Sep 2  | Sep 13 | Sep 4 | Sep 2 |
| Frost free days           | 105    | 83     | 86     | 123      | 105    | 124    | 134    | 113    | 112    | 119   | 120   |
| Thaw degree days*         | 3677   | 2811   | 3656   | 3278     | 3383   | 2943   | 3439   | 2980   | 3123   | 3751  | 3767  |
| Rainfall (inches)         | 10.15  | 8.73   | 5.86   | 9.87     | 8.66   | 8.55   | 5.80   | 9.35   | 9.91   | 5.60  | 10.59 |
| Previous winter season:   |        |        |        |          |        |        |        |        |        |       |       |
| Minimum temperature (°F)  | -48    | -48    | -54    | -48      | -54    | -50    | -27    | -36.3  | -34.6  | -44.4 | -49.6 |
| Snowfall (inches)         | 69     | 47.8   | 38.4   | 30.6     | 31.6   | 62.2   | 39.9   | 39.7   | 33.2   | 51.7  | 70.9  |

Table 2. Weather data summaries for growing season years 2003 - 2005.

| Temperature °F        | May  |      |      | June |      |      | July |      |      | August |      |      | September |      |      |
|-----------------------|------|------|------|------|------|------|------|------|------|--------|------|------|-----------|------|------|
|                       | 2003 | 2004 | 2005 | 2003 | 2004 | 2005 | 2003 | 2004 | 2005 | 2003   | 2004 | 2005 | 2003      | 2004 | 2005 |
| Average daily maximum | 55   | 64   | 68   | 74   | 80   | 73   | 70   | 76   | 74   | 66     | 75   | 69   | 50        | 47   | 54   |
| Monthly high          | 74   | 76   | 77   | 82   | 90   | 84   | 88   | 89   | 81   | 76     | 84   | 85   | 66        | 61   | 66   |
| Average daily minimum | 33   | 40   | 43   | 48   | 53   | 50   | 50   | 53   | 51   | 44     | 49   | 46   | 31        | 30   | 38   |
| Monthly low           | 27   | 30   | 31   | 40   | 42   | 43   | 41   | 44   | 39   | 39     | 35   | 33   | 17        | 26   | 28   |
| Rainfall (inches)     | 0.48 | 1.67 | 1.66 | 0.85 | 0.42 | 2.97 | 5.12 | 1.21 | 4.09 | 1.86   | 0.50 | .39  | 1.73      | 1.26 | 1.48 |

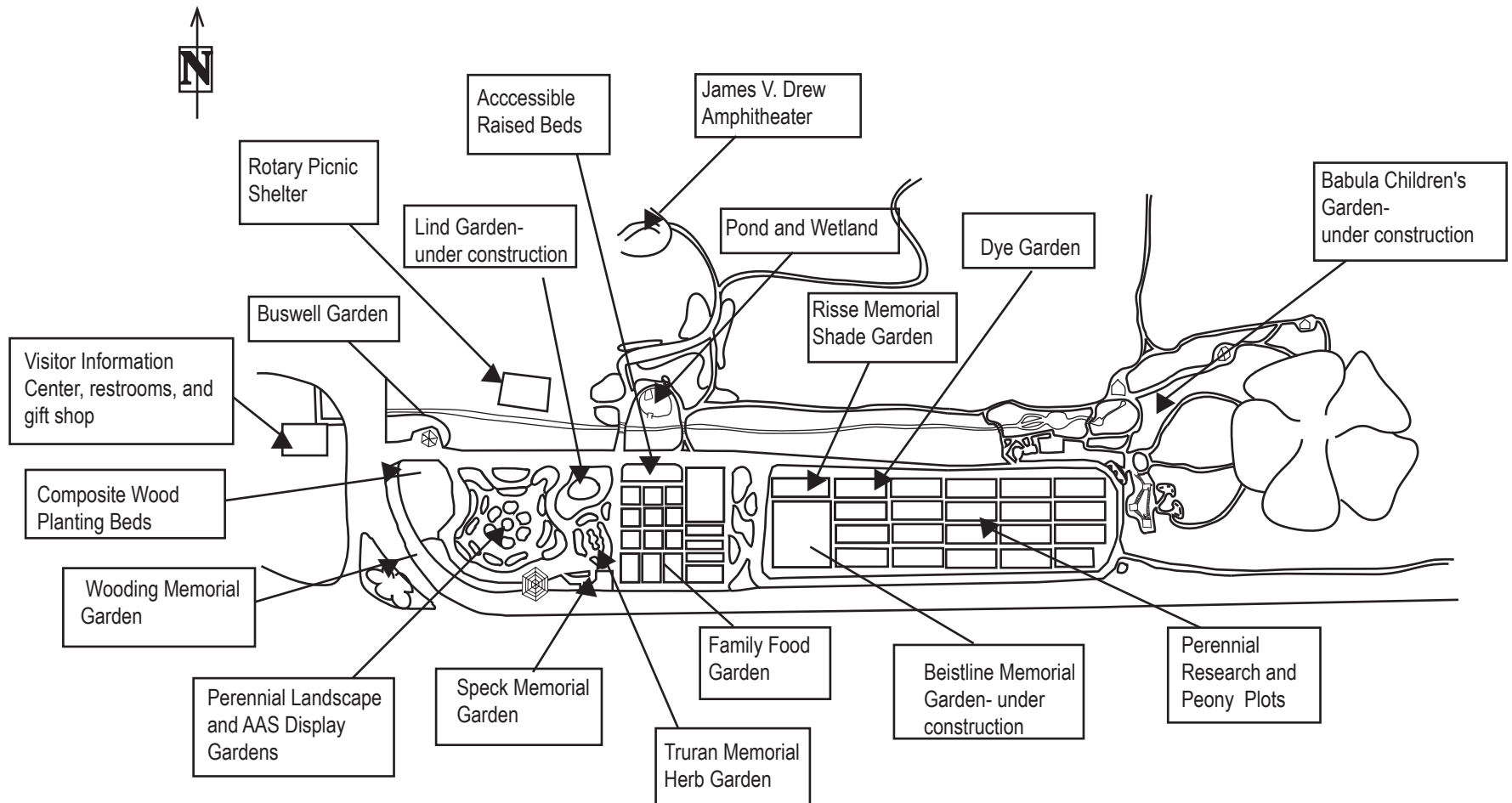


Table 3. 2005 vegetable cultivar results

| Name             | Cultivar       | Source <sup>1</sup> | Date Seed <sup>2</sup> | Date Plant | Row Spacing |         | IRT | Yield in lb | Harvest period | Comments   |
|------------------|----------------|---------------------|------------------------|------------|-------------|---------|-----|-------------|----------------|--|
|                  |                |                     |                        |            | Within      | Between |     |             |                |  |
| Artichoke        | Imperial Star  | 9                   | 4/11/05                | 6/4/05     |             |         | y   | 1.0/plant   | 8/17-8/31      | One of two cultivars (also Green Globe) that reliably produces artichokes, grow in raised bed, usually highest yield, 6-8 mature buds with ave diameter of 3-4" tall |
| Bean             | Contender      | 19                  | DS                     | 5/27/05    | 1"          | 3'      | n   | 1.3 foot    | 8/03-8/24      | Reliable variety for Fairbanks, round-oval pods with strong distinctive flavor, 55 days  |
| Bean, Romano     | Roma II        | 17                  | DS                     | 5/27/05    | 1"          | 3'      | n   | 1.1/foot    | 8/03-8/29      | Reliable green romano, 6" medium-green smooth flat beans, slow to develop seed or tough strings, 59 days   |
| Bean, Romano     | Romano Gold    | 15                  | DS                     | 5/27/05    | 1"          | 3'      | n   | 1.1/foot    | 8/03-8/29      | Yellow romano, dwarf, bushy plants, 4-6" pods, tolerant to CBMV, rust, and white mold, 56 days   |
| Bean, Yellow Wax | Rocdor         | 9                   | DS                     | 5/27/05    | 1"          | 3'      | n   | 0.9/foot    | 8/03-8/29      | Reliable variety for Fairbanks, 6½" straight early pods, harvest young for best quality, tolerant to CBMV and ANTH, 50-53 days.                                      |
| Beet             | Chioggia       | 9                   | DS                     | 5/27/05    | 3-4"        | 2'      | n   | 2.7/foot    | 7/19-8/20      | Good bright color, white and pink rings inside scarlet skin, smooth, medium-height tops, sweet flavor, 55 days   |
| Beet             | Pacemaker III  | 15                  | DS                     | 5/27/05    | 3-4"        | 2'      | n   | 0.9/foot    | 7/19           | Round root with no zoning and refined tap root, excellent flavor and crisp texture, resistant to downy mildew and Cercospora leaf spot, 55 days                      |
| Broccoli         | Early Dividend | 12                  | 4/18/05                | 5/28/05    | 16"         | 3'      | n   | 0.7/plant   | 7/7-7/12       | Good, new, early variety, lots of laterals, 25" tall, large semi-domed heads, rich in vitamin and flavor, 50 days  |
| Broccoli         | Marathon       | 9                   | 4/18/05                | 5/28/05    | 16"         | 3'      | n   | 1.8/plant   | 7/21-7/29      | High yields, tolerant to cold, uniform heads, plant huge   |
| Broccoli         | Shogun         | 22                  | 4/18/05                | 5/28/05    | 16"         | 3'      | n   | stolen      |                | Can reach 3-4 lbs, 14" across in Fairbanks, produces large, top-quality, tightly budded, domed heads, cold-resistant, 72 days  |
| Brussels Sprouts | Jade Cross E   | 6                   | 3/14/05                | 5/28/05    | 24"         | 3'      | n   | 1.3/plant   | 7/21-8/31      | Reliable for Fairbanks, short season variety, uniform 2' plants, excellent quality sprouts   |
| Brussels Sprouts | Prince Marvel  | 19                  | 3/14/05                | 5/28/05    | 24"         | 3'      | n   | 1.2/plant   | 7/21-8/31      | Reliable for Fairbanks, grows in cool and wet or hot and dry, flavorful, dark green, 1" sprouts, 85 days   |
| Cabbage          | Dynamo         | 10                  | 4/18/05                | 5/28/05    | 16"         | 3'      | n   | 4.3/plant   | 7/25-8/05      | Very nice, mid-season, small round hard heads, 65-70 days  |
| Cabbage          | Earliana       | 21                  | 4/18/05                | 5/28/05    | 16"         | 3'      | n   | 2.6/plant   | 7/7-8/25       | Good, small, early variety, earliest full-sized cabbage, uniform round heads, 5" across, 60 days   |
| Cabbage          | Ruby Ball      | 17                  | 4/18/05                | 5/28/05    | 16"         | 3'      | n   | 6.2/plant   | 8/10-8/15      | Good reliable red cabbage, firm, 6-8" round heads, mild, sweet flavor, 78 days   |
| Cabbage          | Savoy Express  | 2                   | 4/18/05                | 5/28/05    | 16"         | 3'      | n   | 1.8/plant   | 7/7            | Tip burn, good color, some mold, very early, All America Selections winner 2000, compact heads, 55 days  |
| Carrot           | Artist         | 9                   | DS                     | 5/27/05    | 1"          | 3'      | n   | 1.2/foot    | 8/10-8/14      | Tapered smooth blunt roots, 7-8" long, deep orange, 65 days  |
| Carrot           | Gold Pak       | 19                  | DS                     | 5/27/05    | 1"          | 3'      | n   | 0/foot      |                | Roots 10x1¼", long & slender; smooth skinned, coreless   |
| Carrot           | Little Finger  | 21                  | DS                     | 5/27/05    | 1"          | 3'      | n   | 1.7/foot    | 7/7-8/22       | 3½" long, 5/8" thick, smooth skin and small cores, 65 days   |
| Carrot           | Minicor        | 9                   | DS                     | 5/27/05    | 1"          | 3'      | n   | 1.47/foot   | 8/15-8/26      | Slim, 3-5" carrot, smooth skin and excellent color, 55 days  |
| Carrot           | Nelson         | 17                  | DS                     | 5/27/05    | 1"          | 3'      | n   | 0.7/foot    | 8/15-8/26      | Excellent flavor, high-producing, high-quality, smooth 6-7" roots, 1-1½" shoulders, deep orange color, 58 days   |

\*standard cultivars, 1. Name and address of seed source corresponds to number as listed on back cover. 2. DS= direct seeded.

Table 3. 2005 vegetable cultivar results, cont.

| Name             | Cultivar             | Source <sup>1</sup> | Date Seed <sup>2</sup> | Date Plant | Row Spacing |         | IRT | Yield in lb | Harvest period | Comments  |
|------------------|----------------------|---------------------|------------------------|------------|-------------|---------|-----|-------------|----------------|---|
|                  |                      |                     |                        |            | Within      | Between |     |             |                |   |
| Carrot           | Purple Haze          | 2                   | DS                     | 5/27/05    | 1''         | 3'      | n   | 0.5/foot    | 8/15-8/26      | Smooth, rich purple skin contrasts with the deep orange flesh, long heavy roots, best eaten raw, flavorful and nutritionally high in antioxidants and Vitamin A   |
| Carrot           | Rainbow              | 16                  | DS                     | 5/27/05    | 1''         | 3'      | n   | 0.6/foot    | 8/15-8/22      | Mixture of pastel shades with a diversity in skin and core colors from white to pale yellow to orange   |
| Cauliflower      | Andes                | 20                  | 4/18/05                | 5/28/05    | 16''        | 3'      | n   | 5.2/plant   | 8/5-8/10       | Consistently high yields, large heads, upright foliage, heavy wrapper leaves, tolerant to heat and cold, 60 days  |
| Cauliflower      | Baldo                | 15                  | 4/18/05                | 5/28/05    | 16''        | 3'      | n   | 3.1/plant   | 7/12-7/25      | Early, creamy white heads, solid, round, 47 days  |
| Cauliflower      | Snow Crown           | 12                  | 4/18/05                | 5/28/05    | 16''        | 3'      | n   | 3.2/plant   | 7/18           | Early, All America Selection, well-rounded white heads, up to 8'' across, 68 days   |
| Celery           | Florida 683          | 15                  | 3/14/05                | 6/2/05     | 6''         | 3'      | n   | 5.4/foot    | 8/31           | High yields, high rib-count, bushy, medium green, 100 days  |
| Celery           | Utah 52-70 HK        | 15                  | 3/14/05                | 6/2/05     | 6''         | 3'      | n   | 3.9/foot    | 8/31           | Consistently reliable, dark green, compact, 98 days   |
| Cucumber         | Early Pride          | 21                  | 5/3/05                 | 6/1/05     | 2.5'        | 5'      | y   | 8.4/plant   | 8/8-8/21       | Slicing, 8½'' long, crispy and tasty fruit, resistant to mildew and mosaic, 55 days   |
| Cucumber         | Eureka               | 16                  | 5/3/05                 | 6/1/05     | 2.5'        | 5'      | y   | 1.3/plant   | 8/22-8/26      | Very low yield, dark-green, white-spined, firm, 1-5'' long harvest early for dark green pickles, fabulous slicer  |
| Cucumber         | Fanfare              | 18                  | 5/3/05                 | 6/1/05     | 2.5'        | 5'      | y   | 4.8/plant   | 7/21-8/19      | Slicing, semi-bush hybrid slicer, dark green 8-9'', CMV, PM, DM, ALS, ANTH, and Scab tolerant, 52 days  |
| Cucumber         | H-19 Little Leaf     | 9                   | 5/3/05                 | 6/1/05     | 2.5'        | 5'      | y   | 24.1/plant  | 7/21-8/31      | Small leaves make it easy to pick, blocky medium-length fruits, good for fresh eating and pickling, 57 days   |
| Cucumber         | Northern Pickling    | 21                  | 5/3/05                 | 6/1/05     | 2.5'        | 5'      | y   | 10.5/plant  | 7/27-8/24      | High-yielding, early variety for salads and pickling, fertilize well and pick frequently at small size, 48 days   |
| Cucumber         | Sweet Success        | 13                  | 5/3/05                 | 6/1/05     | 2.5'        | 5'      | y   | 17.1/plant  | 7/25-8/26      | Slicing, consistent high yields, All America Selection, disease resistant, 12'' long, 58 days   |
| Cucumber         | Sweeter Yet          | 20                  | 5/3/05                 | 6/1/05     | 2.5'        | 5'      | y   | 22.4/plant  | 7/25-8/22      | Excellent large 10-12'' dark green crisp fruit, disease tolerant, 45 days   |
| Eggplant         | Bride                | 15                  | 3/14/05                | 6/4/05     | 1'          | 2'      | y   | 0.1/plant   | 8/17           | Low yield compared to others, slim 8'' long fruit, tender, great taste, grow in raised bed, 58 days   |
| Eggplant         | Ichiban              | NA                  | 3/14/05                | 6/4/05     | 1'          | 2'      | y   | 0.2/plant   | 8/3-8/19       | Medium yield, oriental type, slender 12'' fruit, grow in raised bed, 61 days  |
| Eggplant         | Orient Express       | 9                   | 3/14/05                | 6/4/05     | 1'          | 2'      | y   | 0.8/plant   | 7/14-8/19      | Early black oriental type, outstanding early productivity, 8-10'' glossy fruits, can set fruit in cool weather and under heat stress, grow in raised bed, 58 days |
| Eggplant         | Snowy                | 9                   | 3/14/05                | 6/4/05     | 1'          | 2'      | y   | 0.8/plant   | 7/14-8/31      | Nice oriental type, early, ivory-white, long fruit mild, non-bitter flavor, grow in raised bed, 60 days   |
| Greens, Asian    | Yukina Savoy         | 9                   | DS                     | 5/28/05    | 6-8''       | 3'      | n   | bolted      |                | Dark green glossy leaves, space 12-18'' and cut at base for 10-12'' full-size, 21 days baby, 45 days mature   |
| Greens, Oriental | Mibuna 'Green Spray' | 9                   | DS                     | 5/28/05    | 6-8''       | 3'      | n   | bolted      |                | Slender smooth non-lobed leaves, mildly sharp taste, 21 days baby, 40 days mature   |
| Greens, Pac Choi | Black Summer         | 9                   | DS                     | 5/28/05    | 6-8''       | 3'      | n   | 0.9/plant   | 7/20-8/1       | Broad flat light green petioles topped with oval dark green leaves, forms thick vase shape even when small, similar to Joi Choi, very slow bolting                |

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Table 3. 2005 vegetable cultivar results, cont.

| Name                | Cultivar          | Source <sup>1</sup> | Date Seed <sup>2</sup> | Date Plant | Row Spacing |         | IRT | Yield in lb | Harvest period | Comments  |
|---------------------|-------------------|---------------------|------------------------|------------|-------------|---------|-----|-------------|----------------|---|
|                     |                   |                     |                        |            | Within      | Between |     |             |                |   |
| Greens, Pac Choi    | Joi Choi          | 9                   | DS                     | 5/28/05    | 6-8"        | 3'      | n   | 1.1/plant   | 7/20-8/1       | Vigorous, forms a 12-15" tall broad heavy bunch with dark green leaves and thick white flattened petioles   |
| Kale                | Red Russian       | 22                  | DS                     | 5/28/05    | 12-16"      | 2'      | n   | 4.3/foot    | 7/19-8/29      | Consistent high yields, attractive, stems purple, leaves deep gray-green, 25 days baby, 50 days mature  |
| Kale                | Winterbor         | 17                  | DS                     | 5/28/05    | 12-16"      | 2'      | n   | 5.3/foot    | 7/19-8/29      | Very good, attractive, reliable, finely curled thick blue-green leaves, sweet and juicy after frosts, 60 days   |
| Kohlrabi            | Kolibri           | 9                   | DS                     | 5/28/05    | 3-6"        | 3'      | n   | 2.3/foot    | 7/27-8/26      | Large bulbs with uniform deep purple skin, nearly fiberless white flesh, 45 days  |
| Leek                | Arena             | 20                  | 3/11/05                | 6/2/05     | 3"          | 3'      | n   | 2.4/foot    | 8/31           | Nice, high yields, blue-green autumn type, 7" shafts, resists leaf spot and holds well when mature, 118 days  |
| Leek                | King Richard      | 22                  | 3/11/05                | 6/2/05     | 3"          | 3'      | n   | 2.4/foot    | 8/31           | Nice, good yields, very early, extra long, slim stems   |
| Leek                | Pancho            | 14                  | 3/11/05                | 6/2/05     | 3"          | 3'      | n   | 3.9/foot    | 8/31           | High yield, thick short stems, high quality, stocky, short-shanked summer leek, 100-110 days  |
| Lettuce, Butterhead | Buttercrunch      | 8                   | 4/18/05                | 6/2/05     | 10"         | 2'      | n   | 1.0/plant   | 7/7            | 2005- slight tip burn, compact heat tolerant and slow to bolt, mildly flavored leaves, 65 days  |
| Lettuce, Butterhead | Ermosa            | 9                   | 4/18/05                | 6/2/05     | 10"         | 2'      | n   | 1.0/plant   | 7/15           | Some tipburn, dark green, tolerant to tipburn and bolting, 28 days baby, 48 days full size  |
| Lettuce, Butterhead | Grappa Butterhead | 8                   | 4/18/05                | 6/2/05     | 10"         | 2'      | n   | 1.3/plant   | 7/7-7/16       | Good quality, easily grown, disease resistant and has a lush, buttery flavor  |
| Lettuce, Butterhead | Mikola            | 9                   | 4/18/05                | 6/2/05     | 10"         | 2'      | n   | 1.4/plant   | 7/7-7/15       | 2005- good quality, red, compact, heavy heads, leaves have green base with uniform red edge   |
| Lettuce, Butterhead | Sangria           | 15                  | 4/18/05                | 6/2/05     | 10"         | 2'      | n   | 1.3/plant   | 7/7-7/15       | Nice, good color, medium dark green leaves tinged red, resistant to bolting, tip-burn   |
| Lettuce, Crisphead  | Burgundy Ice      | 21                  | 4/18/05                | 6/2/05     | 10"         | 2'      | n   | 2.3/plant   | 7/15-7/19      | Little tip burn, small-to-medium head, outer leaves blushed with burgundy, crisp inner leaves light green   |
| Lettuce, Crisphead  | Continuity        | 14                  | 4/18/05                | 6/2/05     | 10"         | 2'      | n   | 1.4/plant   | 7/7            | 2005- 1 head moldy/slimy, tipburn, early-maturing, tends to bolt in heat, holds up well in cold weather, 70-75 days                                   |
| Lettuce, Crisphead  | Crispino          | 9                   | 4/18/05                | 6/2/05     | 10"         | 2'      | n   | 2.3/plant   | 7/8-7/16       | Nice early, medium-sized, glossy green, firm perfect heads, white interior, juicy and mild  |
| Lettuce, Leaf       | Brunia Oakleaf    | 22                  | DS                     | 5/27/05    | 10"         | 2'      | n   | 2.2/foot    | 8/1-8/22       | 2005- slight tipburn mid Aug, long slender leaves, olive-green at base and reddish-brown at tips, 74 days   |
| Lettuce, Leaf       | Cocarde           | 9                   | DS                     | 5/27/05    | 10"         | 2'      | n   | 2.9/foot    | 7/11-8/19      | Very healthy, no rot or burn, large, trumpet-shaped heads, dark green leaves with purplish-red overlay, slow bolting, 28 days baby, 49 days full size |
| Lettuce, Leaf       | Green Ice         | 12                  | DS                     | 5/27/05    | 10"         | 2'      | n   | 2.4/foot    | 7/12-8/29      | 2005- slight tipburn late Aug, midgreen savoyed leaves, extra crisp, withstands heat well, 45 days  |
| Lettuce, Leaf       | Merlot            | 4                   | DS                     | 5/27/05    | 10"         | 2'      | n   | 1.9/foot    | 7-25/8-19      | 2005- some bolting late, beautiful deep red, frilled leaves, smooth, full-bodied flavor   |
| Lettuce, Leaf       | New Red Fire      | 6                   | DS                     | 5/27/05    | 10"         | 2'      | n   | 2.3/foot    | 7/11-8/29      | A little tipburn, good color, compact and dense with intense red color, 45 days   |
| Lettuce, Romaine    | Devil's Tongue    | 17                  | 4/18/05                | 6/2/05     | 10"         | 2'      | n   | 2.3/plant   | 7/7            | Nice red color, some leaf rot, rich in flavor, forms heads up to 7", 55 days  |

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Table 3. 2005 vegetable cultivar results, cont.

| Name               | Cultivar          | Source <sup>1</sup> | Date Seed <sup>2</sup> | Date Plant | Row Spacing |         | IRT | Yield in lb | Harvest period | Comments  |
|--------------------|-------------------|---------------------|------------------------|------------|-------------|---------|-----|-------------|----------------|---|
|                    |                   |                     |                        |            | Within      | Between |     |             |                |   |
| Lettuce, Romaine   | Eruption          | 20                  | 4/18/05                | 6/2/05     | 10"         | 2'      | n   | 1.9/plant   | 7/7-7/15       | Good color, little tipburn, 2005- 1 of 5 bolted in late July, intensely red miniature heads reach 8" tall, 50 days  |
| Lettuce, Romaine   | Freckles          | 6                   | 4/18/05                | 6/2/05     | 10"         | 2'      | n   | 1.9/plant   | 7/8            | Very susceptible to tipburn, bright green leaves spotted with red, 28 days baby, 55 days full size  |
| Lettuce, Romaine   | Outredgeous       | 9                   | 4/18/05                | 6/2/05     | 10"         | 2'      | n   | 1.8/plant   | 7/7            | Nice color, starting to bolt (7/7), thick glossy slightly ruffled leaves, bright red on top, green underside, 52 days                                       |
| Pea                | Mr Big            | 21                  | DS                     | 5/18/05    | 1"          | 3'      | n   | 0.8/foot    | 7/29-8/29      | Big but difficult to identify mature pods, high yield, set two pods per node, disease resistant, 58-62 days   |
| Pea                | Novella II        | NA                  | DS                     | 5/18/05    | 1"          | 3'      | n   | 0.8/foot    | 7/29-8/29      | Easy to pick, no trellising, semi-leafless  |
| Pea, Snap          | Cascadia          | 15                  | DS                     | 5/18/05    | 1"          | 3'      | n   | 0.8/foot    | 7/19-8/29      | Nice short vined sugar snap type, low yield this year, compact bush, disease tolerance to Powdery Mildew and Pea Enation Virus, 3" dark green pods, 58 days |
| Pea, Snow          | Snow Green        | 9                   | DS                     | 5/18/05    | 1"          | 3'      | n   | 1.4/foot    | 7/19-8/29      | Average 3¼-3½" pods on 28" vines that do not need support, crisp and flavorful, 59 days   |
| Pepper             | Blushing Beauty   | 2                   | 3/28/05                | 6/4/05     | 1.5'        | 2'      | y   | 1.0/plant   | 8/5-8/31       | All America Selection 2000, thick-walled and sweet at any color, 72-75 days from transplanting, grow in raised bed  |
| Pepper             | Fajita Bell       | 17                  | 3/28/05                | 6/4/05     | 1.5'        | 2'      | y   | 1.4/plant   | 8/05-8/19      | Medium hot, large thick walls, compact 18" tall, 4-5 deep green fruit ripen to bright red, grow in raised bed, 80 days                                      |
| Pepper             | Giant Marconi     | 2                   | 3/28/05                | 6/4/05     | 1.5'        | 2'      | y   | 1.6/plant   | 7/14-8/31      | Big, bright green tapered fruit, 6-8" long, matures to red, grow in raised bed, resistant to Potato Virus Y and Tobacco Mosaic Virus, 72 days               |
| Pepper             | Gypsy             | 17                  | 3/28/05                | 6/4/05     | 1.5'        | 2'      | y   | 1.7/plant   | 7/14-8/31      | Yellow banana, very thick-walled and sweet, 6-7" long taper to point, resistant to tobacco mosaic virus, grow in raised bed, 58 days                        |
| Pepper             | Habanero          | 17                  | 3/28/05                | 6/4/05     | 1.5'        | 2'      | y   | 0.1/plant   | 7/14           | Not a good choice for the interior, compact 12" plants, grow in raised bed, 90-100 days   |
| Pepper             | Hungarian Wax     | 21                  | 3/28/05                | 6/4/05     | 1.5'        | 2'      | y   | 1.2/plant   | 7/22-8/29      | Fairly hot fruits, 8" long, tapered, grow in raised bed canary yellow turning to bright red, 70 days  |
| Pepper             | New Ace           | 12                  | 3/28/05                | 6/4/05     | 1.5'        | 2'      | y   | 0.9/plant   | 7/21-8/31      | Sweet, sets fruit well in cool weather, medium sized, flavor is good, grow in raised bed, 62 days   |
| Pepper             | Senorita          | 17                  | 3/28/05                | 6/4/05     | 1.5'        | 2'      | y   | 0.7/plant   | 8/3-8/31       | Mild jalapeno, 3" by 1½" on sturdy 2' tall upright plants, dark green turns to red, grow in raised bed, 80 days   |
| Pepper, Ornamental | Chilly Chili      | 2                   | 3/28/05                | 6/4/05     | 1.5'        | 2'      | y   |             |                | Ornamental, not harvested for yield, grow in raised bed   |
| Pumpkin            | Connecticut Field | 15                  | 4/25/05                | 6/3/05     | 7'          | 5'      | y   | 229.8/plant | 8/31           | Very good large pumpkin, average weight 19lb, 3 <sup>rd</sup> earliest hard, smooth, somewhat ribbed, deep orange, 115 days                                 |
| Pumpkin            | New England Pie   | 9                   | 4/25/05                | 6/3/05     | 7'          | 5'      | y   | 116.3/plant | 8/31           | 2005- average 4½ lb, small pie type, dark orange-skinned well-colored orange flesh, dry, and stringless, 105 days   |
| Pumpkin            | Orange Smoothie   | 9                   | 4/25/05                | 6/3/05     | 7'          | 5'      | y   | 34.7/plant  | 8/31           | 2005- all dark green when harvested, 4 <sup>th</sup> earliest, requires less space in the garden, 90 days   |
| Pumpkin            | Racer             | 9                   | 4/25/05                | 6/3/05     | 5'          | 5'      | y   | 124.8/plant | 8/31           | Earliest to turn orange, typical weight 12-18 lb, highly productive, vigorous, short vine, 85 days  |

\*standard cultivars, 1. Name and address of seed source corresponds to number as listed on back cover. 2. DS= direct seeded.

Table 3. 2005 vegetable cultivar results, cont.

| Name                | Cultivar               | Source <sup>1</sup> | Date Seed <sup>2</sup> | Date Plant | Row Spacing |         | IRT Mulch | Yield in lb | Harvest period | Comments  |
|---------------------|------------------------|---------------------|------------------------|------------|-------------|---------|-----------|-------------|----------------|---|
|                     |                        |                     |                        |            | Within      | Between |           |             |                |   |
| Pumpkin             | Rock Star              | 9                   | 4/25/05                | 6/3/05     | 5'          | 5'      | y         | 168.2/plant | 8/31           | 2005- average weight 34 lb, 2 <sup>nd</sup> earliest, largest, tall fruit, dark green handle, long vine, 98 days          |
| Pumpkin             | Sorcerer               | 2                   | 4/25/05                | 6/3/05     | 7'          | 5'      | y         | 159.6/plant | 8/31           | 2005- average weight 20 lbs, latest large pumpkin compact vine, 100 days  |
| Radish              | Easter Egg             | 9                   | DS                     | 5/28/05    | 1"          | 2'      | n         | 0.7/foot    | 7/1            | 2005 -split in one, some blemishes, lower yields than other cherry types, red, purple, and white colors, 30 days          |
| Radish              | Sora                   | 9                   | DS                     | 5/28/05    | 1"          | 2'      | n         | 2.8/foot    | 7/1-7/11       | Nice color, good shape, few blemishes, large, very smooth bright red roots, 26 days                                       |
| Radish,<br>Daikon   | Miyashige              | 9                   | DS                     | 5/28/05    | 3"          | 3'      | n         | 2.2/foot    | 8/10           | 2005- root maggots and disease, bolts, long cylindrical white root with pale green band near crown, 50 days               |
| Rutabaga            | Joan                   | 9                   | DS                     | 5/28/05    | 5"          | 3'      | n         | 0.8/foot    | 8/10           | 2005- root maggots and disease, sweet fresh mild round roots, purple-topped and yellow-fleshed                            |
| Spinach             | Melody                 | 15                  | DS                     | 5/28/05    | 4"          | 2"      | n         | 1.1/foot    | 7/1            | Most reliable for Fairbanks, resists bolting, semi savoy hybrid, upright plants, deep green leaves                        |
| Spinach             | Tyee                   | 15                  | DS                     | 5/28/05    | 4"          | 2'      | n         | 1.2/foot    | 7/1            | Good variety for Fairbanks, only a few holes, dark green big strong stems, semi savoy, dark green, spreading habit        |
| Squash,<br>Summer   | Early Golden Crookneck | 16                  | 5/3/05                 | 6/3/05     | 3'          | 5'      | y         | 0           |                | 2005- no data, confused with Sunspiry, susceptible to blossom end rot, 53 days  |
| Squash,<br>Summer   | Early Prolific         | 2                   | 5/3/05                 | 6/3/05     | 3'          | 5'      | y         | 11.9/plant  | 7/29-8/29      | Susceptible to blossom end rot, straight neck   |
| Squash,<br>Summer   | Papaya Pear            | 2                   | 5/3/05                 | 6/3/05     | 3'          | 5'      | y         | 17.0/plant  | 7-25/8-29      | Interesting papaya shape, sweet mild flavor, early, semi-bush, pick young, All America Selection                          |
| Squash,<br>Summer   | Sunray                 | 21                  | 5/3/05                 | 6/3/05     | 3'          | 5'      | y         | 8.0/plant   | 7/25-8/29      | 2005- susceptible to blossom end rot, straightneck squash, rich butter yellow, holds color longer than most varieties     |
| Squash,<br>Zucchini | Eight Ball             | 15                  | 5/3/05                 | 6/3/05     | 3'          | 5'      | y         | 50.1/plant  | 7/25-8/29      | Round zucchini, dark green, harvest young, the size of a golf ball, All America Selection                                 |
| Squash<br>Zucchini  | Radiant                | 15                  | 5/3/05                 | 6/3/05     | 3'          | 5'      | y         | 36.5/plant  | 7/26-8/31      | Medium dark green cylindrical fruit with flecks are very smooth, small plant sets well, good yields, 47 days              |
| Squash,<br>Zucchini | Raven                  | 9                   | 5/3/05                 | 6/3/05     | 3'          | 5'      | y         | 26.5/plant  | 7/21-8/31      | Excellent darker green skin contains higher levels of lutein, a highly effective antioxidant                              |
| Sweet Corn          | Aladdin                | 15                  | DS                     | 5/6/05     | 1'          | 5'      | y         | 0.9/plant   | 8/15-8/31      | Delicious bi-color Sugary Enhanced, latest of the 4 cultivars tested, 56/63 days, use above the 43 <sup>rd</sup> parallel |
| Sweet Corn          | Earli Vee              | 17                  | DS                     | 5/6/05     | 1'          | 5'      | y         | 1.8/plant   | 8/10-8/31      | 3 <sup>rd</sup> earliest in trials, 2 <sup>nd</sup> largest ears, normal sugary gene large well-filled 6-7" ears          |
| Sweet Corn          | Polar Vee              | 19                  | DS                     | 5/6/05     | 1'          | 5'      | y         | 2.4/plant   | 8/3-8/31       | 2 <sup>nd</sup> earliest, bigger than Yukon Chief but not as yellow, early, normal sugary gene type, 6-6½" ears           |
| Sweet Corn          | Yukon Chief            | 1                   | DS                     | 5/6/05     | 1'          | 5'      | y         | 1.0/plant   | 7/28-8/25      |   |
| Swiss Chard         | Bright Lights          | 2                   | DS                     | 5/6/05     | 12"         | 2'      | n         | 2.6/foot    | 7/19-8/29      | Bolted by 8/4, leaves smaller than other chard, multicolor stems with both deep and pastel variations                     |
| Swiss Chard         | Bright Yellow          | 9                   | DS                     | 5/6/05     | 12"         | 2'      | n         | 1.6/foot    | 7/19-8/29      | Bright yellow stems and leaf veins contrast with deep green leaves, sweet, mild taste                                     |

\*standard cultivars, 1. Name and address of seed source corresponds to number as listed on back cover. 2. DS= direct seeded.



Table 3. 2005 vegetable cultivar results, cont.

| Name   | Cultivar      | Source <sup>1</sup> | Date Seed <sup>2</sup> | Date Plant | Row Spacing |         | IRT | Yield in lb | Harvest period | Comments   |
|--------|---------------|---------------------|------------------------|------------|-------------|---------|-----|-------------|----------------|--|
|        |               |                     |                        |            | Within      | Between |     |             |                |  |
| Tomato | Early Tanana  | 1                   | 4/11/05                | 6/3/05     | 2'          | 5'      | y   | 1.5/plant   | 7/29-8/29      | Only harvested three times, early determinate garden variety, produces large quantities of 3½-4 oz smooth, light red, low-acid fruits, compact plants, cold-resistant, set fruit at low temperatures |
| Tomato | Jolly         | 2                   | 4/11/05                | 6/3/05     | 2'          | 5'      | y   | 0.5/plant   | 7/28-8/29      | Grow in #1 nursery container, 2001 All America Selection, large clusters of teardrop-shaped cherry tomatoes, 73 days   |
| Tomato | Siletz        | 17                  | 4/11/05                | 6/3/05     | 2'          | 5'      | y   | 0.2/plant   | 8/12           | 2005- 3 plants produced only one tomato all season, will produce early even during cooler weather  |
| Tomato | Sub-Arctic 25 | 1                   | 4/11/05                | 6/3/05     | 2'          | 5'      | y   | 0.8/plant   | 7/29-8/29      |  |
| Tomato | Sugary        | 1                   | 4/11/05                | 6/3/05     | 2'          | 5'      | y   | 0.4/plant   | 7/28-8/29      | Grow in #1 nursery container, semi-determinate, very sweet cherry-sized tomato of reddish-pink skin color  |
| Turnip | Shogoin       | 5                   | DS                     | 5/28/05    | 4"          | 3'      | n   | 0.2/foot    | 8/12           | 2005- bolted in early July, large ball-shaped turnip up to 6-8" in diameter, firm and crispy, very easy to grow  |
| Turnip | Tokyo Cross   | 12                  | DS                     | 5/28/05    | 4"          | 3'      | n   | 0.7/foot    | 8/12           | Nice white turnip, good disease resistance, semi-globe roots, can be harvested when small  |

\*standard cultivars, 1. Name and address of seed source corresponds to number as listed on back cover. 2. DS= direct seeded.

### Acknowledgements

**Without our dedicated volunteers, continued growth and success of the Georgeson Botanical Garden would not be possible. Thank you to our 2005 volunteers!**  
*To become a volunteer, call Jan Hanscom at 474-6921*

### Special thanks to our partners and volunteers who support the Garden with seeds and other donations.

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### Alaska Sources

Ann's Greenhouses, 780 Sheep Creek Rd, Fairbanks AK 99709

Alaska Greenhouse, 1301 Muldoon Rd, Anchorage AK 99514

Clair's Cultivations, 1364 Esro Rd, Fairbanks AK 99712

① Denali Seed, PO Box 111425, Anchorage AK 99511, [www.denaliseed.com](http://www.denaliseed.com)

Dinkel's Fairview Nursery, HC 31 Box 5193, Wasilla AK 99687

Driftwood Nurseries, 7.2 Mile Chena Hot Springs Rd PO Box 10462 Fairbanks, AK 99710

Hawk's Farm & Garden Center, 12 Mile Richardson Hwy PO Box 55759, North Pole AK 99705

Holm Town Nursery, PO Box 71565, Fairbanks AK 99707

Plant Kingdom, 620 Fiedeler Rd, Fairbanks AK 99709

Risse Greenhouses, 981 Risse Rd, Fairbanks AK 99712

Seeds of Alaska, Box 3127, Kenai AK 99611

Washburn Farm Nursery, PO Box 823, Palmer AK 99645

Woodland Farms, Mile 311 Parks Hwy, Nenana AK

Commercial Wholesale and Research Sources (seeds and plants not sold directly to the public)

② All American Selections, 1311 Butterfield Rd Suite 310, Downer's Grove IL 60515

<http://www.all-americanselections.org>

Ball Seed Co., PO Box 335, West Chicago IL 60185 (wholesale only), [www.ballseed.com](http://www.ballseed.com)

EuroAmerican Propagators (Proven Winners), PO Box 289, Bonsall CA 92003, [www.euroamprop.com](http://www.euroamprop.com)

Fischer USA, 6899 Winchester Circle Suite 102, Boulder CO 80301, [www.fischerusa.com](http://www.fischerusa.com)

Goldsmith, PO Box 1349, Gilroy CA 95021, [www.goldsmithseeds.com](http://www.goldsmithseeds.com)

Green Leaf (Yoder Bros.) 2369 Old Philadelphia Pike, Lancaster PA 17602, [www.green-leaf-ent.com](http://www.green-leaf-ent.com)

Lawyer Nursery, 950 Hwy 200 W, Plains MT 59859, [www.lawyer-nursery.com](http://www.lawyer-nursery.com)

Oglevee Ltd., 152 Oglevee Ln, Connellsville PA 15425, [www.oglevee.com](http://www.oglevee.com)

PanAmerican Seeds, PO Box 438, West Chicago IL 60186, [www.panamseed.com](http://www.panamseed.com)

The Flower Fields (Yoder Bros & Ecke Ranch), [www.theflowerfields.com](http://www.theflowerfields.com)

USDA Plant Introduction Stations- NC7, Ames IA, [www.ars-grin.gov/ars/MidWest/Ames](http://www.ars-grin.gov/ars/MidWest/Ames)

Garden Societies and Organizations with seed exchanges and sales for members only

Alaska Native Plant Society, PO Box 141613, Anchorage AK 99514

American Horticultural Society, PO Box 6118, Alexandria VA 22308, [www.ahs.org](http://www.ahs.org)

North American Rock Garden Society, PO Box 67, Millwood NY 10546, [www.nargs.org](http://www.nargs.org)

Hardy Fern Foundation, Box 60034, Richmond Beach WA 98160, [www.hardyferns.org](http://www.hardyferns.org)

New England Wildflower Society, 180 Hemenway Rd, Framingham MA 01701, [www.newfs.org](http://www.newfs.org)

Retail Sources of Plants/Seeds

Agway, Inc. Seed Plant, 1225 Zeager Rd, Elizabethtown PA 17022

Alberta Nurseries & Seeds Ltd., PO Box 20, Bowden AB TOM 0K0

Applewood Seed Co., 5380 Vivian St, Aruada CO 80002, [www.applewoodseed.com](http://www.applewoodseed.com)

B&D Lilies, PO Box 2007, Port Townsend WA 98368, [www.bdillies.com](http://www.bdillies.com)

Bear Creek Nursery, PO Box 411, Northport WA 99157, [www.BearCreekNursery.com](http://www.BearCreekNursery.com)

Bluebird Nursery, Inc., PO Box 460, Clarkson NE 68629, [www.bluebirdnursery.com](http://www.bluebirdnursery.com)

③ Carolina Seeds, PO Box 2658 Hwy 105 Bypass, Boone NC 28607, [www.carolinaseeds.com](http://www.carolinaseeds.com)

Clause Seed, 100 Breen Rd, San Juan Bautista CA 95045

Connell's Dahlias, 10616 Waller Rd E, Tacoma WA 98446, [www.connells-dahlias.com](http://www.connells-dahlias.com)

④ Cook's Garden, PO Box 535, Londonderry VT 05148, [www.cooksgarden.com](http://www.cooksgarden.com)

Daehnfeltdt, PO Box 947, Albany OR 97321, [www.daehnfeltdt.com](http://www.daehnfeltdt.com)

Dutch Gardens, Inc., PO Box 2037, Lakewood NJ 08701, [www.dutchgardens.nl](http://www.dutchgardens.nl)

F.W. Schumacher Co., Inc., 36 Spring Hill Rd, Sandwich MA 02563, [www.treeshrubseed.com](http://www.treeshrubseed.com)

Farmer Seed & Nursery Co., 818 NW 4th St, Fairbault MN 55021, [www.farmerseed.com](http://www.farmerseed.com)

⑤ Ferry-Morse Seed Co., PO Box 4938, Modesto CA 95352, [www.ferry-morse.com](http://www.ferry-morse.com)

Fred C. Gloeckner & Co., Inc., 15 E 26th St, New York NY 10010, [www.fredgloekner.com](http://www.fredgloekner.com)

Gardens North, 5984 Third Line Rd N, North Gower ON K0A 2T0 Canada, [www.gardensnorth.com](http://www.gardensnorth.com)

Germania Seed Co., 5978 N Northwest Hwy, Chicago IL 60631, [www.germaniaseed.com](http://www.germaniaseed.com)

Gilbert H. Wild & Sons, P O Box 338, Sarcoxie MO 64862, [www.gilberthwild.com](http://www.gilberthwild.com)

H.G. German Seeds, Inc., PO Box 398, Smethport PA 16749

⑥ Harris Seeds, PO Box 24966, Rochester NY 14624-0966, [www.harrisseed.com](http://www.harrisseed.com)

Henry Field's Seed and Nursery Co., 415 N Burnett, Shenandoah IA 51602, [www.HenryFields.com](http://www.HenryFields.com)

Home Harvest Seeds, 3807 Bank St, Baltimore MD 21224, [www.homeharvestseeds.com](http://www.homeharvestseeds.com)

⑦ Irish Eyes & Garden City Seeds, PO Box 307, Thorp WA 98946, [www.irish-eyes.com](http://www.irish-eyes.com)

J.L. Hudson, PO Box 1058H, Redwood City CA 94064, [www.jlhudsonseeds.net](http://www.jlhudsonseeds.net)

Jackson & Perkins, PO Box 1028, Medford OR 97501, [www.jacksonandperkins.com](http://www.jacksonandperkins.com)

⑧ John Scheepers Kitchen Garden Seeds, PO Box 638, Bantam CT 06750, [www.kitchengardenseeds.com](http://www.kitchengardenseeds.com)

⑨ Johnny's Selected Seeds, 1 Foss Hill Rd, Albion ME 044910, [www.johnnysseeds.com](http://www.johnnysseeds.com)

Jung Quality Seeds, 335 S High St, Randolph WI 53957, [www.jungseed.com](http://www.jungseed.com)

K. Van Bourgondien & Sons, Inc., PO Box 1000, Babylon NY 11702, [www.dutchbulbs.com](http://www.dutchbulbs.com)

Lamb Nurseries, 101 E Sharp Ave, Spokane WA 99202

McClure & Zimmerman, PO Box 368, Friesland WI 53935, [www.mzbulb.com](http://www.mzbulb.com)

Milk Ranch Specialty Potatoes LLC, 20094 Hwy 149, Powderhorn CO 81243, [www.milkranch.com](http://www.milkranch.com)

⑩ Nichols Garden Nursery, 1190 N Pacific Hwy, Albany OR 97321, [www.gardennursery.com](http://www.gardennursery.com)

Nourse Farms, Inc., Box 485 RFD, South Deerfield MA 01373, [www.noursefarms.com](http://www.noursefarms.com)

⑪ Park Seeds, 2 Parkton Ave, Greenwood SC 29649, [www.parkseed.com](http://www.parkseed.com)

Peter de Jager Bulb Co., PO Box 2010, So. Hamilton MA 01982

⑫ Pinetree Garden Seeds, PO Box 300, New Gloucester ME 04260, [www.superseeds.com](http://www.superseeds.com)

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⑬ R.H. Shumway's Seeds, 334 W. Stoud St, Randolph WI 53956-1274

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Royal Sluis, Inc., 1293 Harkins Rd, Salinas CA 93901

Rupp Seeds, Inc., 17919 County Rd B, Wauseon OH 43567, [www.ruppseeds.com](http://www.ruppseeds.com)

⑭ Seeds of Change, PO Box 15700, Santa Fe NM 87501, [www.seedsofchange.com](http://www.seedsofchange.com)

Seeds of Distinction, PO Box 86 Station A, Toronto ON M9C 4V2 Canada,

[www.seedsofdistinction.com](http://www.seedsofdistinction.com)

Seedway, Inc., PO Box 250, Hall NY 14463, [www.seedway.com](http://www.seedway.com)

Select Seeds, 180 Stickney Hill Rd, Union CT 06076, [www.selectseeds.com](http://www.selectseeds.com)

Seymour's Selected Seeds, PO Box 1346, Randolph WI 53956, [www.seymourseeduk.com](http://www.seymourseeduk.com)

Shepherd's Garden Seeds, 30 Irene St, Torrington CT 06790, [www.shepherdseeds.com](http://www.shepherdseeds.com)

Smith Nursery Co., PO Box 515, Charles City IA 50616

Song Sparrow Perennial Farm, 13101 East Rye Rd, Avalon WI 53505, [www.songsparrow.com](http://www.songsparrow.com)

⑮ Stokes Seeds, PO Box 548, Buffalo NY 14240, [www.stokeseeds.com](http://www.stokeseeds.com)

T & T Seeds, Ltd., Box 1710, Winnipeg MB R3C 3P6 Canada, [www.ttseeds.mb.ca](http://www.ttseeds.mb.ca)

⑯ Territorial Seed Co., PO Box 157, Cottage Grove OR 97424, [www.territorial-seed.com](http://www.territorial-seed.com)

⑰ Thompson & Morgan Seed Co., Box 1308 Jackson, NJ, [www.thompson-morgan.com](http://www.thompson-morgan.com)

⑱ Twilley Seeds, 121 Gary Rd, Hodges SC 29653, [www.twilleyseed.com](http://www.twilleyseed.com)

Valley Nursery, Box 4845, Helena MT 59604

Van Bloem USA, Inc., 500 Pendley Industrial Park, Cumming GA 30130

Vaughan's Seed Co., 5300 Katrine Ave, Downers Grove IL 60515

⑲ Vermont Bean Seed Co., Garden Ln, Fair Haven VT 05743, [www.vermontbean.com](http://www.vermontbean.com)

⑳ Vesey's Seeds, Ltd., PO Box 9000, Calais ME 04619-6102, [www.veseys.com](http://www.veseys.com)

㉑ W. Atlee Burpee & Co., 300 Park Ave, Warminster PA 18991, [www.burpee.com](http://www.burpee.com)

Waushara Gardens, N 5491 5th Dr, Plainfield WI 54966

Wayside Gardens, 1 Garden Ln, Hodges SC 29695, [www.waysidegardens.com](http://www.waysidegardens.com)

㉒ West Coast Seeds, 3925 64 St, Delta BC V4K3N2 Canada, [www.westcoastseeds.com](http://www.westcoastseeds.com)

White Flower Farm, PO Box 50, Litchfield CT 06759, [www.whiteflowerfarm.com](http://www.whiteflowerfarm.com)

Wildseed, Inc., PO Box 308, Eagle Lake TX 77434