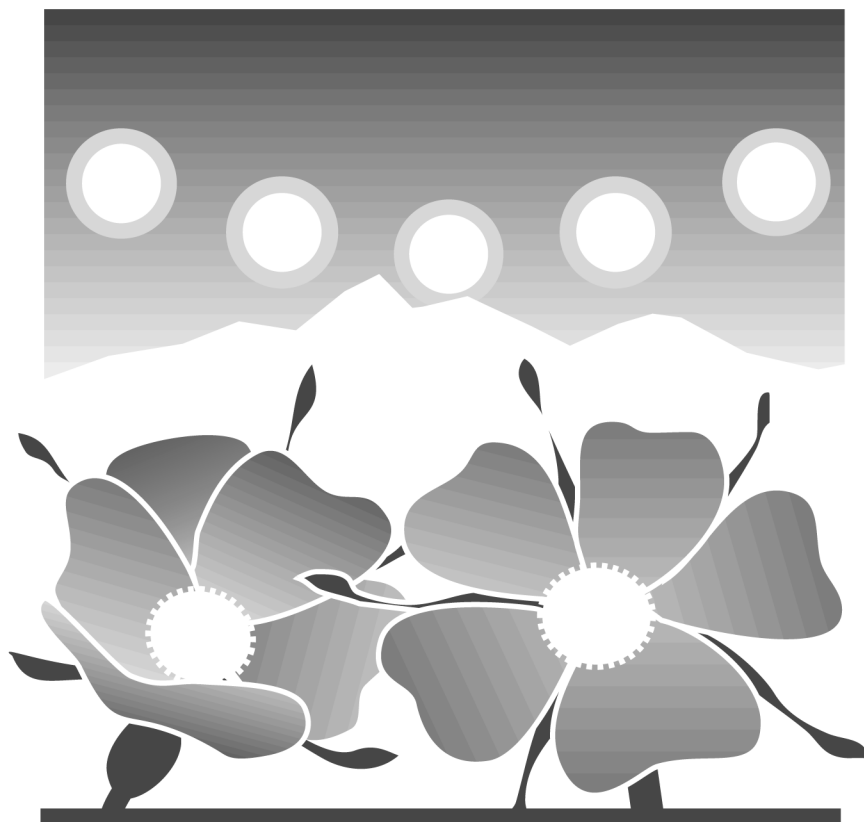


Annual Vegetable Evaluations 2005



GEORGESON
BOTANICAL GARDEN

by

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Circular

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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

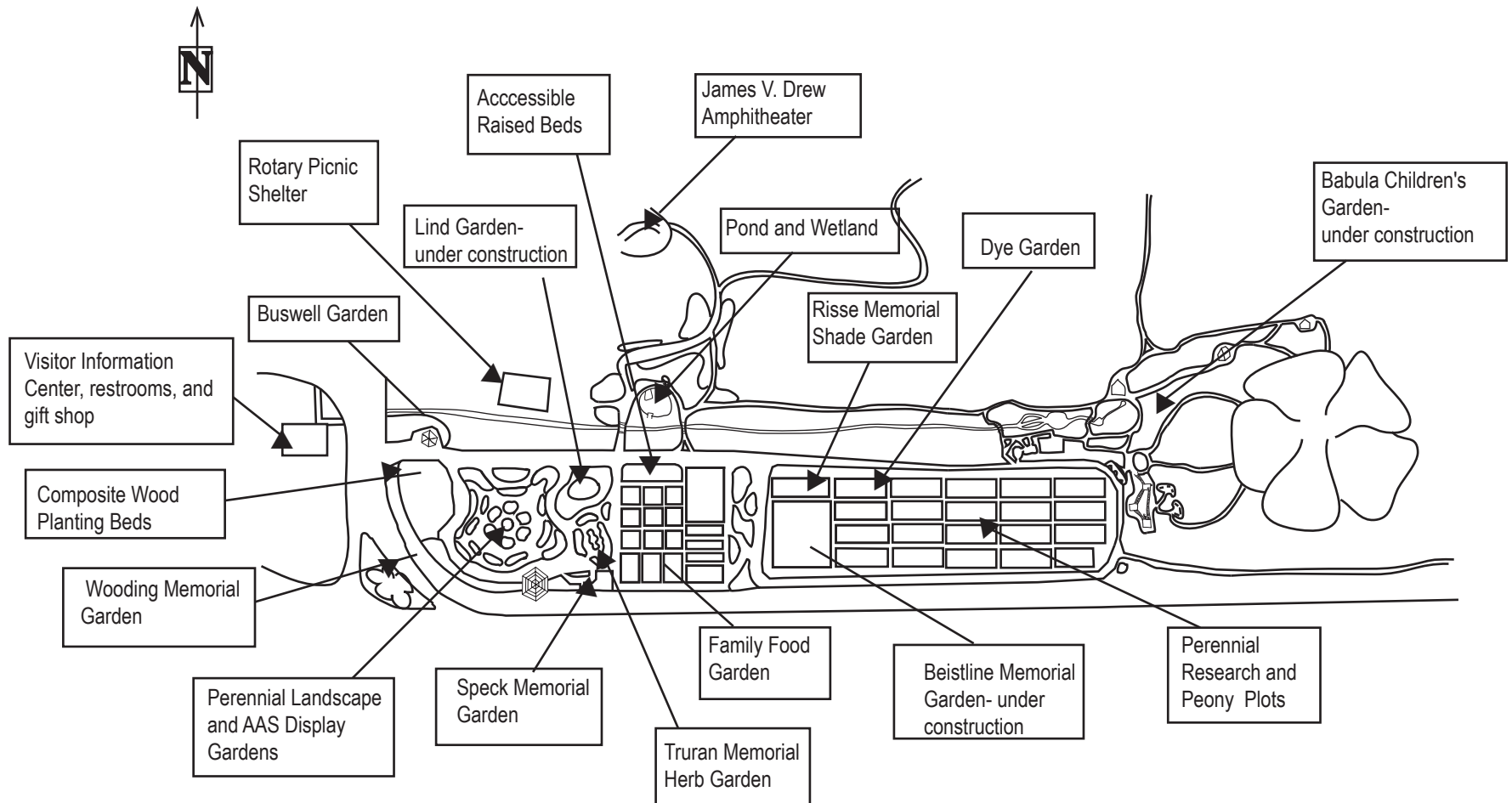


Table 3. 2005 vegetable cultivar results

Name	Cultivar	Source ¹	Date Seed ²	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

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Table 3. 2005 vegetable cultivar results, cont.

Name	Cultivar	Source ¹	Date Seed ²	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 ¹	Date Seed ²	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 ¹	Date Seed ²	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 rd 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 th 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

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Table 3. 2005 vegetable cultivar results, cont.

Name	Cultivar	Source ¹	Date Seed ²	Date Plant	Row Spacing		IRT	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 nd 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, 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, 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, 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, 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, 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, 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 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, 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 rd parallel
Sweet Corn	Earli Vee	17	DS	5/6/05	1'	5'	y	1.8/plant	8/10-8/31	3 rd earliest in trials, 2 nd 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 nd 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 ¹	Date Seed ²	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.

All America Selections, Flower and Vegetable Seeds

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PanAmerican seeds, Flower seeds

Plant Kingdom, Rooted cuttings and plugs

Risse Greenhouses, Plants and supply discounts

USDA Plant Introduction Stations, NC7, Iowa State Univ., Plants and seeds

Joanne Klumb, Dahlia

Susie Zimmerman, Dahlias

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Seed and Plant Sources

The list does not include all possible seed and plant sources. The list reflects sources from which the Georganon Botanical Garden has received seeds/plants. No endorsement of companies should be implied by those listed, nor criticism intended of those not listed.

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
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
EuroAmerican Propagators (Proven Winners), PO Box 289, Bonsall CA 92003, www.euroamprop.com
Fischer USA, 6899 Winchester Circle Suite 102, Boulder CO 80301, www.fischerusa.com
Goldsmith, PO Box 1349, Gilroy CA 95021, www.goldsmithseeds.com
Green Leaf (Yoder Bros.) 2369 Old Philadelphia Pike, Lancaster PA 17602, www.green-leaf-ent.com
Lawyer Nursery, 950 Hwy 200 W, Plains MT 59859, www.lawyer-nursery.com
Oglevee Ltd., 152 Oglevee Ln, Connellsville PA 15425, www.oglevee.com
PanAmerican Seeds, PO Box 438, West Chicago IL 60186, www.panamseed.com
The Flower Fields (Yoder Bros & Ecke Ranch), www.theflowerfields.com
USDA Plant Introduction Stations- NC7, Ames IA, 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
North American Rock Garden Society, PO Box 67, Millwood NY 10546, www.nargs.org
Hardy Fern Foundation, Box 60034, Richmond Beach WA 98160, www.hardyferns.org
New England Wildflower Society, 180 Hemenway Rd, Framingham MA 01701, 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
B&D Lilies, PO Box 2007, Port Townsend WA 98368, www.bdillies.com
Bear Creek Nursery, PO Box 411, Northport WA 99157, www.BearCreekNursery.com
Bluebird Nursery, Inc., PO Box 460, Clarkson NE 68629, www.bluebirdnursery.com
③ Carolina Seeds, PO Box 2658 Hwy 105 Bypass, Boone NC 28607, 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
④ Cook's Garden, PO Box 535, Londonderry VT 05148, www.cooksgarden.com
Daehnfeltdt, PO Box 947, Albany OR 97321, www.daehnfeltdt.com
Dutch Gardens, Inc., PO Box 2037, Lakewood NJ 08701, www.dutchgardens.nl
F.W. Schumacher Co., Inc., 36 Spring Hill Rd, Sandwich MA 02563, www.treeshrubseed.com
Farmer Seed & Nursery Co., 818 NW 4th St, Fairbault MN 55021, www.farmerseed.com
⑤ Ferry-Morse Seed Co., PO Box 4938, Modesto CA 95352, www.ferry-morse.com

- Fred C. Gloeckner & Co., Inc., 15 E 26th St, New York NY 10010, www.fredgloekner.com
Gardens North, 5984 Third Line Rd N, North Gower ON K0A 2T0 Canada, www.gardensnorth.com
Germania Seed Co., 5978 N Northwest Hwy, Chicago IL 60631, www.germaniaseed.com
Gilbert H. Wild & Sons, P O Box 338, Sarcoxie MO 64862, 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
Henry Field's Seed and Nursery Co., 415 N Burnett, Shenandoah IA 51602, www.HenryFields.com
Home Harvest Seeds, 3807 Bank St, Baltimore MD 21224, www.homeharvestseeds.com
⑦ Irish Eyes & Garden City Seeds, PO Box 307, Thorp WA 98946, www.irish-eyes.com
J.L. Hudson, PO Box 1058H, Redwood City CA 94064, www.jlhudsonseeds.net
Jackson & Perkins, PO Box 1028, Medford OR 97501, www.jacksonandperkins.com
⑧ John Scheepers Kitchen Garden Seeds, PO Box 638, Bantam CT 06750, www.kitchengardenseeds.com
⑨ Johnny's Selected Seeds, 1 Foss Hill Rd, Albion ME 044910, www.johnnyseeds.com
Jung Quality Seeds, 335 S High St, Randolph WI 53957, www.jungseed.com
K. Van Bourgondien & Sons, Inc., PO Box 1000, Babylon NY 11702, www.dutchbulbs.com
Lamb Nurseries, 101 E Sharp Ave, Spokane WA 99202
McClure & Zimmerman, PO Box 368, Friesland WI 53935, www.mzbulb.com
Milk Ranch Specialty Potatoes LLC, 20094 Hwy 149, Powderhorn CO 81243, www.milkranch.com
⑩ Nichols Garden Nursery, 1190 N Pacific Hwy, Albany OR 97321, www.gardennursery.com
Nourse Farms, Inc., Box 485 RFD, South Deerfield MA 01373, www.noursefarms.com
⑪ Park Seeds, 2 Parkton Ave, Greenwood SC 29649, 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
Richters, 357 Highway 47, Goodwood ON LOC 1A0 Canada, www.richters.com
⑬ R.H. Shumway's Seeds, 334 W. Stoud St, Randolph WI 53956-1274
Roseaie at Bayfields, Box R, Waldoboro ME 04572, www.roseaie.com
Royal Sluis, Inc., 1293 Harkins Rd, Salinas CA 93901
Rupp Seeds, Inc., 17919 County Rd B, Wauseon OH 43567, www.ruppseeds.com
⑭ Seeds of Change, PO Box 15700, Santa Fe NM 87501, www.seedsofchange.com
Seeds of Distinction, PO Box 86 Station A, Toronto ON M9C 4V2 Canada, www.seedsofdistinction.com
Seedway, Inc., PO Box 250, Hall NY 14463, www.seedway.com
Select Seeds, 180 Stickney Hill Rd, Union CT 06076, www.selectseeds.com
Seymour's Selected Seeds, PO Box 1346, Randolph WI 53956, www.seymourseeduk.com
Shepherd's Garden Seeds, 30 Irene St, Torrington CT 06790, 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
⑮ Stokes Seeds, PO Box 548, Buffalo NY 14240, www.stokeseeds.com
T & T Seeds, Ltd., Box 1710, Winnipeg MB R3C 3P6 Canada, www.ttseeds.mb.ca
⑯ Territorial Seed Co., PO Box 157, Cottage Grove OR 97424, www.territorial-seed.com
⑰ Thompson & Morgan Seed Co., Box 1308 Jackson, NJ, www.thompson-morgan.com
⑱ Twilley Seeds, 121 Gary Rd, Hodges SC 29653, 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
⑳ Vesey's Seeds, Ltd., PO Box 9000, Calais ME 04619-6102, www.veseys.com
㉑ W. Atlee Burpee & Co., 300 Park Ave, Warminster PA 18991, www.burpee.com
Waushara Gardens, N 5491 5th Dr, Plainfield WI 54966
Wayside Gardens, 1 Garden Ln, Hodges SC 29695, www.waysidegardens.com
㉒ West Coast Seeds, 3925 64 St, Delta BC V4K3N2 Canada, www.westcoastseeds.com
White Flower Farm, PO Box 50, Litchfield CT 06759, www.whiteflowerfarm.com
Wildseed, Inc., PO Box 308, Eagle Lake TX 77434