



# North Dakota Home Garden Cultivar Trials

**SUMMARY**  
**2015**

# Summary of Results

Gardeners participated in 62 trials, each trial comparing two promising vegetable, herb or flower cultivars. Gardeners at 243 sites rated the cultivars for plant health, earliness, yield, and food/ornamental quality.

In each trial they noted which of the two cultivars they preferred (Pref) and which of the varieties they would recommend (Rec) to other gardeners. They

rated the performance of each cultivar using a scale of 1 to 10, with 1 = poor and 10 = excellent.

The following is a summary of data, including our conclusions for each trial.



## Bean, Green

These are good cultivars but neither generated much excitement among gardeners. There was nothing exceptional about them. The edge goes to 'Bowie' for its impressive early yields.

Cultivar	Pref (%)	Rec (%)	Rating
Bowie	56	70	7.78
Sybaris	44	50	7.89
			(10 sites)



## Bean, Green Filet

Both were exceptional. Gardeners were impressed with their yields and long harvest season. Pods were straight, slender and delicious. 'Serengeti' showed better germination and matured earlier. 'Crockett' pods were deeper green.

Cultivar	Pref	Rec	Rating
Crockett	41	70	7.48
Serengeti	59	76	7.78
			(34 sites)



## Bean, Green Pole

'Cobra' matured earlier and was more productive but gardeners preferred 'Stringless Blue Lake S-7 for its superior pod quality. Its pods were darker green, tenderer and better tasting.

Cultivar	Pref	Rec	Rating
Cobra	36	58	6.18
Blue Lake S. S-7	64	75	7.27
			(12 sites)



## Beet, Gold

Both cultivars performed well from start to finish. 'Boldor' generated the most excitement with the beauty of its roots. Gardeners enjoyed growing golden beets as a novelty but prefer growing traditional red beets.

Cultivar	Pref	Rec	Rating
Boldor	63	85	7.79
Touchstone Gold	37	75	7.32
			(20 sites)



## Carrot, Chantenay

'Hercules' has been a reliable performer known for its high yields and uniformity. Only a few gardeners participated this year, but they were impressed with the seedling vigor and attractive roots of 'Cumbre'. 'Cumbre' shows promise.

Cultivar	Pref	Rec	Rating
Cumbre	75	75	8.75
Hercules	25	75	7.75
			(4 sites)



## Carrot, Nantes

Both cultivars performed well. Most gardeners preferred 'Goldfinger'. Its roots were straight, smooth and beautiful. It matched or surpassed the performance of 'Nelson' in all traits. Some gardeners thought 'Nelson' was more flavorful.

Cultivar	Pref	Rec	Rating
Goldfinger	64	85	7.97
Nelson	36	64	7.13
			(41 sites)



### Corn, Bicolor Sugary Enhanced

For the second straight year, ‘Temptation’ outperformed ‘Trinity’, a popular early corn. ‘Temptation’ showed superior germination in cool soil, stronger vigor and higher yields. Its ears were more attractive and tastier.

Cultivar	Pref (%)	Rec (%)	Rating
Temptation	70	90	6.70
Trinity	30	30	4.80
(12 sites)			



### Corn, Bicolor Super Sweet

‘Xtra-Tender 274A’ continues to impress gardeners across ND. It germinates well and grows vigorously. ‘XTH20173’ produced good yields of attractive corn but most gardeners preferred ‘Xtra-Tender 274A’ for its superior flavor.

Cultivar	Pref	Rec	Rating
XTH20173	20	80	7.00
X-Tender 274A	80	80	8.00
(6 sites)			



### Corn, White Super Sweet

White sweet corn is not popular and our testing is extremely limited. Nevertheless, SSW 2001MR produced good yields of quality corn at all locations. Every evaluator recommended it.

Cultivar	Pref	Rec	Rating
SSW 2001MR	100	67	7.67
XTH3674	0	67	6.67
(3 sites)			



### Corn, Yellow Super Sweet

Every gardener preferred ‘Vision XMR’. It was reliable and productive. For the second straight year, gardeners have been absolutely delighted with its sweet and tender kernels. It’s a winner.

Cultivar	Pref	Rec	Rating
Vision XMR	100	88	8.25
XTH1273	0	50	6.25
(8 sites)			



### Corn, Bicolor Synergistic

In two years of testing, both cultivars have produced good yields of quality corn. ‘Allure’ generated a lot of excitement but more gardeners recommended ‘Cuppa Joe’. It germinated well in cool soil, was more reliable and matured earlier.

Cultivar	Pref	Rec	Rating
Allure	50	56	7.06
Cuppa Joe	50	69	6.94
(16 sites)			



### Cucumber, Burpless

‘Tasty Green’ excelled in all traits. It germinated better and produced the first cucumbers. Its yields were abundant. Gardeners felt its cukes were more attractive and tasty. ‘Tasty Green’ has performed well in previous years too.

Cultivar	Pref	Rec	Rating
Sweeter Yet	35	50	6.96
Tasty Green	65	77	7.50
(27 sites)			



### Cucumber, Pickling

‘Homemade Pickles’ has always won our pickling cucumber trials. It matures early and is very productive. Gardeners love its crisp and blocky fruits—perfect for pickling. ‘Sassy’ fruits were darker, slimmer and tapered at their ends.

Cultivar	Pref	Rec	Rating
Home. Pickles	74	81	7.35
Sassy	26	56	6.70
(27 sites)			



### Cucumber, Slicing

Gardeners were evenly split on their preferences. ‘Talladega’ produced quick yields and its cucumbers were dark green, straight and long. ‘Raider’ was a reliable performer of good tasting cucumbers. Every gardener recommended ‘Raider.’

Cultivar	Pref	Rec	Rating
Raider	50	100	7.88
Talladega	50	75	7.50
(9 sites)			



### Cucumber, Snack

Gardeners enjoyed the flavor of both cultivars. Most gardeners preferred ‘Muncher’. Its vines were more reliably healthy and productive. ‘Mercury’ showed earlier yields. Its cukes were straight and thin skinned.

Cultivar	Pref (%)	Rec (%)	Rating
Mercury	43	65	7.00
Muncher	57	65	6.81
(21 sites)			



### Greens, Asian

Our few participants were lukewarm on the performance of both cultivars. ‘Maruba Santoh’ and ‘Tokyo Bekana’ rated similarly for most traits. They both suffered from flea beetles and bolting. Neither cultivar generated excitement.

Cultivar	Pref	Rec	Rating
Maruba Santoh	67	67	5.25
Tokyo Bekana	33	33	6.00
(4 sites)			



### Kale, Red

Both cultivars germinated well, grew vigorously, suffered from the same pests and matured at the same time. Most gardeners felt they tasted the same. The notable difference was the frilly leaf of ‘Russian Frills’, which gardeners liked.

Cultivar	Pref	Rec	Rating
Red Russian	38	63	7.75
Russian Frills	63	100	8.63
(9 sites)			



### Kale, White

These cultivars grew very well and were rated similarly for leaf appearance and taste. Most gardeners liked both varieties but every gardener preferred ‘White Russian’. Its vigorous growth led to early and productive harvests.

Cultivar	Pref	Rec	Rating
Siberian	0	75	5.75
White Russian	100	100	7.75
(6 sites)			



### Lettuce, Green Leaf

‘Tropicana’ has always done well in our trials and 2015 was no exception. It produced a good yield of mild tasting, deep green leaves. It tolerated heat and has been a reliable cultivar.

Cultivar	Pref	Rec	Rating
Green Star	50	75	7.25
Tropicana	50	75	7.75
(5 sites)			



### Lettuce, Red Oakleaf

Both cultivars resisted bolting and grew well in our warmer than normal summer. The rows of ‘Mascara’ were fuller and its plants grew more vigorously. This led to earlier harvests and higher yields.

Cultivar	Pref	Rec	Rating
Danyelle	17	33	6.17
Mascara	83	100	8.33
(6 sites)			



### Lettuce, Green Romaine

Both cultivars produced dense heads of crisp, tasty lettuce. They grew robustly and resisted bolting. Gardeners showed more enthusiasm toward ‘Starhawk’. It produced larger heads filled with delicious, dark green leaves.

Cultivar	Pref	Rec	Rating
Dragoon	50	73	7.58
Starhawk	50	88	7.62
(28 sites)			



### Melon, Cantaloupe

‘Athena’ showed why it is the most popular cantaloupe in the north. It excelled in all traits including earliness, yield and fruit quality. Every gardener recommended it. ‘Aphrodite’ struggled in several gardens.

Cultivar	Pref	Rec	Rating
Aphrodite	33	50	6.83
Athena	67	100	8.50
(6 sites)			



### Melon, Specialty Cantaloupe

Gardeners enjoyed the flavor of these melons. Yields were late and poor, even with our unusually long and warm growing season. ‘Origami’ produced larger melons but more gardeners preferred the flavor of ‘Wrangler’.

Cultivar	Pref (%)	Rec (%)	Rating
Origami	33	67	6.33
Wrangler	67	50	6.83
			(6 sites)



### Melon, Galia

‘Arava’ is an outstanding melon for us. Its yields are early and reliable. Its melons are sweet and aromatic. Galia melons are a special treat and ‘Arava’ is a proven performer in our state.

Cultivar	Pref (%)	Rec (%)	Rating
Arava	75	78	7.44
Sigel	25	56	6.11
			(9 sites)



### Pea, Shell

‘Lincoln’ again proved to be a fine pea. The harvest was early, abundant and delicious. ‘Mr. Big’ frustrated gardeners. Each pod was big but had few peas. It was hard to know when to harvest and it was difficult to shell.

Cultivar	Pref (%)	Rec (%)	Rating
Lincoln	79	84	8.05
Mr. Big	21	42	5.84
			(19 sites)



### Pea, Snap

‘Sugar Ann’ showed better germination, healthier vines, earlier and higher yields, and superior flavor. It’s reliable too. The leafless vines of ‘Sugar Lace II’ made it interesting to grow and its stringless pods were a nice feature.

Cultivar	Pref (%)	Rec (%)	Rating
Sugar Ann	57	86	7.50
Sugar Lace II	43	50	6.85
			(14 sites)



### Pea, Snow

‘Sweet Horizon’ was introduced two years ago and has performed well. In general, ‘Oregon Sugar Pod 2’ is more likely to give you earlier and higher yields while ‘Sweet Horizon’ will give you straighter, higher quality pods.

Cultivar	Pref (%)	Rec (%)	Rating
Oregon S. Pod 2	50	40	6.67
Sweet Horizon	50	80	7.33
			(6 sites)



### Potato, Gold Early

For the second year, ‘Yukon Gem’ was recommended by more gardeners than its famous parent, ‘Yukon Gold’. Its vines were healthy and more productive. Its tubers were uniform but smaller. Gardeners enjoyed the flavor of both.

Cultivar	Pref (%)	Rec (%)	Rating
Yukon Gem	50	82	7.82
Yukon Gold	50	73	7.09
			(11 sites)



### Potato, Gold Midseason

Gardeners liked the yield and eating quality of both cultivars. Most preferred ‘Satina’. Its yields were higher and the tubers were larger, rounder and more uniform. It had a moist, smooth texture. ‘Carola’ had a firmer texture.

Cultivar	Pref (%)	Rec (%)	Rating
Carola	43	62	7.43
Satina	57	81	7.43
			(21 sites)



### Potato, Gold Late

‘German Butterball’ produced higher yields. Its potatoes were smaller but more attractive. ‘Yellow Finn’ frustrated gardeners with its extensive vines and its failure to dry down before frost, even with a longer than normal season.

Cultivar	Pref (%)	Rec (%)	Rating
German Butter.	55	83	6.92
Yellow Finn	45	58	6.42
			(12 sites)



### Potato, Purple

‘Purple Viking’ yields were more reliable and its tubers were larger. The marbled purple/pink skins of the tubers were attractive and its snow white flesh was moist. ‘Peter Wilcox’ was more susceptible to scab. Its golden flesh was flavorful.

Cultivar	Pref (%)	Rec (%)	Rating
Peter Wilcox	44	78	7.06
Purple Viking	56	78	7.83
(18 sites)			



### Potato, Red

Most gardeners preferred ‘Dark Red Norland’, a reliable producer of bright red tubers. Its flesh was moist, firm and flavorful. ‘Chieftain’ vines grew well and produced larger pink-red tubers. Its flesh had a fluffier texture.

Cultivar	Pref (%)	Rec (%)	Rating
Chieftain	41	63	7.38
Dk Red Norland	59	79	8.05
(24 sites)			



### Pumpkin, Midsize

Among these ‘Howden’ selections, ‘Early Dakota Howden’ was better. It matured earlier (always appreciated in North Dakota) and produced more pumpkins. Its pumpkins were generally larger and more attractive.

Cultivar	Pref (%)	Rec (%)	Rating
E. Dak.Howden	75	75	6.75
Howden XXX	25	75	6.00
(4 sites)			



### Pumpkin, Large

Gardeners were pleased with both cultivars. Most preferred ‘Howden Biggie’; it showed superior seedling vigor. Otherwise the performances of the cultivars were very similar, both producing good crops of 30-pound pumpkins.

Cultivar	Pref (%)	Rec (%)	Rating
Captain Jack	40	80	7.80
Howden Biggie	60	100	8.00
(5 sites)			



### Pumpkin, Giant

‘Big Moose’ excelled in all traits. Its vines were healthier, very vigorous and more productive. Its pumpkins were generally larger and more attractive. ‘Big Moose’ is easy to grow and will produce giant, bright orange pumpkins.

Cultivar	Pref (%)	Rec (%)	Rating
Big Moose	73	55	7.10
Prizewinner	27	45	5.80
(11 sites)			



### Spinach, Savoy Leaf

‘Tye’ outperformed ‘SV2157VB’ in all measured traits including earliness, yield, taste and resistance to bolting. ‘SV2157VB’ struggled from the onset; this is confusing since it performed so well in 2014. Data are limited.

Cultivar	Pref (%)	Rec (%)	Rating
SV2157VB	33	0	2.67
Tye	67	67	6.67
(4 sites)			



### Spinach, Smooth Leaf

‘Olympia’ is reliable and its resistance to bolting leads to an extended harvest. It produced good yields and gardeners liked the look and mild flavor of its leaves. ‘SV3580VC’ had darker green, thicker leaves but was more likely to bolt.

Cultivar	Pref (%)	Rec (%)	Rating
Olympia	56	89	7.67
SV3580VC	44	67	6.67
(9 sites)			



### Squash, Straightneck

Both cultivars showed amazing yields. ‘Multipik’ has always done well in our trials. Its all-yellow fruits were firm and uniform. Gardeners were delighted with the green ends of ‘Zephyr’. It produced smooth, slender squash.

Cultivar	Pref (%)	Rec (%)	Rating
Multipik	33	78	7.00
Zephyr	67	78	6.44
(9 sites)			



### Squash, Zucchini

‘Raven’ produces a fast crop (a valuable trait in ND). This year was longer than usual, allowing ‘Noche’ to catch up and later surpass ‘Raven’ in overall yield. Fruit quality was similar; ‘Raven’ showed darker, thicker skin.

Cultivar	Pref (%)	Rec (%)	Rating
Noche	38	75	8.29
Raven	63	88	8.17
			(8 sites)



### Swiss Chard, Orange

Both cultivars were productive. A slight edge went to ‘Oriole’ in most categories including plant health and yield. Every gardener recommended ‘Oriole’. ‘Orange Fantasia’ did not make much of an impression on gardeners.

Cultivar	Pref (%)	Rec (%)	Rating
Orange Fantasia	50	75	7.50
Oriole	50	100	8.25
			(5 sites)



### Watermelon, Red

‘Sweet Dakota Rose’ is the most reliable and flavorful watermelon for ND. ‘Shiny Boy’ matched it for earliness and yield but could not match it for taste. Yields were low and half of gardeners did not recommend either cultivar.

Cultivar	Pref (%)	Rec (%)	Rating
Shiny Boy	45	42	5.92
Swt Dakota Rose	55	50	6.46
			(14 sites)



### Basil, Italian

Most gardeners liked both cultivars and were evenly split on their preference. ‘Dolly’ germinated better, grew robustly, produced good yields and had stronger flavor. Some gardeners preferred the classic taste of ‘Genovese’.

Cultivar	Pref (%)	Rec (%)	Rating
Dolly	50	63	7.38
Genovese	50	63	7.38
			(8 sites)



### Cilantro

‘Calypso’ is a proven performer in our state. Compared to the industry standard ‘Santo’, ‘Calypso’ showed higher yields and better resistance to bolting. Gardeners liked its deep green and flavorful leaves.

Cultivar	Pref (%)	Rec (%)	Rating
Calypso	80	100	8.60
Santo	20	40	6.20
			(6 sites)



### Dill, Leafy

These cultivars were developed for foliage and ‘Hera’ was superior. Its plants were productive and rebounded well after multiple cuttings. The foliage was dark green, feathery and aromatic. ‘Hera’ showed better resistance to bolting.

Cultivar	Pref (%)	Rec (%)	Rating
Diana	17	67	7.00
Hera	83	100	8.33
			(6 sites)



### Bean, Ornamental

Gardeners liked the bicolor blooms of St. George but they preferred ‘Scarlet Runner’ overall. ‘Scarlet Runner’ was a taller, fuller plant with many more blooms and pods. This trial attracted hummingbirds but did not please bean eaters.

Cultivar	Pref (%)	Rec (%)	Rating
St. George	20	50	7.40
Scarlet Runner	80	90	9.00
			(11 sites)



### Cosmos, Striped

‘Picotee’ was preferred by all gardeners. ‘Picotee’ plants were healthier and produced many more blooms. We are not sure why, but germination was a problem with ‘Cosimo Purple Red-White’. We assume it was a poor batch of seeds.

Cultivar	Pref (%)	Rec (%)	Rating
Cosimo P.R.-White	0	0	2.25
Picotee	100	75	6.50
			(6 sites)



### Cosmos, Sulphur

Gardeners generally liked both cultivars, but most gave a slight edge to ‘Diablo’. It had a more compact habit and bloomed earlier. It’s been a reliable performer in previous testing, too. Data for this year are limited.

Cultivar	Pref (%)	Rec (%)	Rating
Diablo	67	100	8.00
Tango	33	75	7.00
			(4 sites)



### Gladiolus, Blue

‘Blue Sky’ germinated better, bloomed earlier and produced more flowers. Its color was darker and more vibrant. Some gardeners preferred the lighter shades and ruffled edges of ‘Land O’ Lakes’. Stalks of both cultivars required support.

Cultivar	Pref	Rec	Rating
Blue Sky	57	86	8.00
Land O’ Lakes	43	64	7.43
			(14 sites)



### Gladiolus, Orange

Gardeners loved the health and beauty of ‘Olympic Flame’. Most sprouts of ‘Sun Kissed’ died before blooming. We evidently received infected corms. The few ‘Sun Kissed’ that bloomed were awesome; although they did bloom late.

Cultivar	Pref	Rec	Rating
Olympic Flame	83	100	8.86
Sun Kissed	17	38	4.14
			(14 sites)



### Gladiolus, Pink

Gardeners were enchanted with the beauty of both cultivars. Most gardeners recommended both cultivars but preferred ‘Pink Event’. They liked its earliness and abundance of blooms.

Cultivar	Pref	Rec	Rating
Chit Chat	29	86	7.57
Pink Event	71	86	8.57
			(15 sites)



### Gladiolus, Plum

Both cultivars grew well and rated similarly for traits. Most gardeners preferred ‘Plum Tart’. They liked its sturdy stalks and rich, dark petals. ‘Sugar Plum’ was a reliable cultivar; it had lighter plum petals that were equally as appealing.

Cultivar	Pref	Rec	Rating
Plum Tart	57	76	7.76
Sugar Plum	43	86	7.90
			(21 sites)



### Gladiolus, Purple

Gardeners split on their preferences. ‘Purple Flora’ bloomed earlier and put on a display of deep purple blooms. ‘Violetta’ produced more blooms and lasted longer as a cut flower. Its light-throated purple blooms were showy.

Cultivar	Pref	Rec	Rating
Purple Flora	50	73	7.70
Violetta	50	73	7.50
			(11 sites)



### Gladiolus, Red

Both cultivars produced stunning flowers. ‘Flora Red’ bloomed earlier and in greater abundance. Its blooms were a radiant orange-red. ‘Oscar’ was slightly less reliable. Many gardeners loved its velvety crimson flowers.

Cultivar	Pref	Rec	Rating
Flora Red	50	91	7.78
Oscar	50	64	6.89
			(11 sites)



### Gladiolus, Rose

‘Priscilla’ performed well at all sites. It bloomed first and its flowers were large and lovely. The wine blotches on ‘Wine and Roses’ blooms were eye catching. Stalks of both cultivars were filled with blooms and leaned at windy sites.

Cultivar	Pref	Rec	Rating
Priscilla	53	95	8.79
Wine and Roses	47	84	8.53
			(22 sites)



### Gladiolus, White

Most gardeners preferred ‘Alaska’. Its stalks were tall, upright and sturdy. Its pure white petals stood out in the garden and in cut flower arrangements. ‘White Prosperity’ also grew well. It was notable for its subtle pink throats.

Cultivar	Pref (%)	Rec (%)	Rating
Alaska	67	82	7.73
White Prosperity	33	73	7.27
			(13 sites)



### Gladiolus, Yellow

Gardeners enjoyed both cultivars but most preferred ‘Bananarama’. It bloomed earlier and gardeners were impressed with its warm, vibrant yellow color. ‘Nova Lux’ was nice but less remarkable.

Cultivar	Pref (%)	Rec (%)	Rating
Bananarama	64	88	7.73
Nova Lux	36	75	6.87
			(15 sites)



### Gladiolus, Yellow/Orange

Both cultivars were healthy and bloomed early. Their blooms were vibrant and showstoppers in flower beds. Most gardeners preferred ‘Fiesta’. It was the first to bloom. Its stalks were strong, straight and full of compact blooms.

Cultivar	Pref (%)	Rec (%)	Rating
Fiesta	65	88	8.33
Jester	35	75	8.08
			(24 sites)



### Sunflower, Orange Cutting

Data are limited. ‘Vincent’s Choice’ looked promising. It germinated well and bloomed reliably. Every gardener recommended it. ‘Sunrich Orange Summer’ from the popular ‘Sunrich’ series also did well.

Cultivar	Pref (%)	Rec (%)	Rating
Sunrich O. Sum.	50	75	7.00
Vincent’s Choice	50	100	8.00
			(4 sites)



### Sunflower, Bicolor Dwarf (Spring)

Gardeners enjoyed the beauty of both cultivars in their gardens. ‘Rio Carnival’ displayed large flower heads on compact plants. It was healthy and bloomed quickly. ‘Firecracker’ was a bit taller and just as beautiful.

Cultivar	Pref (%)	Rec (%)	Rating
Firecracker	38	88	7.50
Rio Carnival	63	88	7.50
			(7 sites)



### Sunflower, Bicolor Dwarf (Summer)

‘Rio Carnival’ was preferred. It germinated well and bloomed earlier. Its short, full plants were perfect for pots and good for gardens. ‘Firecracker’ had a taller habit and was better suited for growing in gardens than pots.

Cultivar	Pref (%)	Rec (%)	Rating
Firecracker	35	82	6.94
Rio Carnival	65	82	7.41
			(47 sites)



### Sunflower, Gold Dwarf (Summer)

‘Solar Chocolate Gold’ produced more blooms and was pretty in gardens. Its stems were longer and good for cutting. The earlier blooming and compact plant habits of ‘Sunny Smile’ made it well suited for pot culture.

Cultivar	Pref (%)	Rec (%)	Rating
Solar Choc. Gold	48	81	7.13
Sunny Smile	52	71	7.27
			(40 sites)



### Zinnia, Speckled

The compact plants of ‘Salsiendo Mix’ bloomed early and were filled with vibrant flowers. ‘Peppermint Stick Mix’ bloomed in a wide array of colors and patterns; some gardeners hoped for more red/white peppermint blooms.

Cultivar	Pref (%)	Rec (%)	Rating
Peppermint Stick	50	63	6.48
Salsiendo Mix	50	70	7.15
			(30 sites)

# Seed Sources



The following are a few sources where seeds of the cultivars tested in 2015 may be found. This list is not meant to be a complete list; many other seed companies offer these cultivars. The information given herein is for educational purposes only. References to a company are made with the understanding that no discrimination is intended and no endorsement by the North Dakota State University Extension Service is implied.

## Key:

Bk = Baker Creek	Bu = Burpee	Fe = Fedco	Gu = Gurney's
Ha = Harris	HF = Henry Field's	HP = HPS	Jh = Johnny's
Jr = Jordan	Ju = Jung	Kz = Kitazawa	MT = Moose
Tubers	MV = Mtn Valley	MZ = Maclure & Zim.	Na = Nagel's
NE = NE	Os = Osborne	Pa = Park	Pi = Pinetree
PR = Prairie Road	Re = Reimer	SS = Seed Savers	St = Stokes
Sw = Swallowtail	Te = Territorial	Vr = Vermont Bean	Vs = Veseys

**BEAN.** **Bowie:** Ha, St; **Sybaris:** Jr, St. **Crockett:** Ha, Os, Te, Vr; **Serengeti:** Pi, Vr. **Cobra:** Os, Pa; **Stringless Blue Lake S-7:** HP, Ju, MV.

**BEET.** **Boldor:** Fe, Gu, Jh, Te, Vs; **Touchstone Gold:** Fe, Gu, Ha, Jh, Os, Pa, Pi, Sw.

**CARROT.** **Cumbre:** Os; **Hercules:** Jh, Re. **Goldfinger:** Ha, Os, St; **Nelson:** Fe, Jh, Ju, Pa, Pi, Te, Vr.

**CORN.** **Temptation:** Jr, Os, Pa, St; **Trinity:** Jh, Jr, Ju, NE, St, Vr. **XTH20173:** Ha, Jh, Os, St; **Xtra-Tender 274A:** Ha, Jr, St. **SSW 2001MR:** Ha, Os; **XTH3674:** St. **Vision XMR:** Ha, Jh, Os, St; **XTH1273:** Ha, Jr. **Allure:** Ha, Jh, Jr, St, Te, Vs; **Cuppa Joe:** Ha, Jr, Ju, Os, Vs.

**CUCUMBER.** **Sweeter Yet:** Bu, Gu, HP, Ju, MV, Re, Vs; **Tasty Green:** Gu, Ha, HF, HP, Jr, Ju, Kz, MV, NE, Os, Pa, Re, St, Vr. **Homemade Pickles:** HP, Jr, Ju, NE, Pa, Pi, PR, Re, Sw, Te, Vr; **Sassy:** Fe, Gu, Ha, HF, Os, St. **Raider:** Ha, Jr, Re, Te; **Talladega:** HP, Jr, St, Vs. **Mercury:** Os, Vs; **Muncher:** HP, Ju, MV.

**GREENS.** **Maruba Santoh:** Fe, Kz; **Tokyo Bekana:** Fe, Jh, Kz.

**KALE.** **Red Russian:** Ba, Bu, Fe, Ha, HF, Jh, Jr, Kz, MV, NE, Os, Pi, Re, SS, St, Te; **Russian Frills:** Fe. **Siberian:** Ba, Jh, Kz, Pi, Re, Te; **White Russian:** Fe, Ha, NE, Pa, Pi, Te.

**LETTUCE.** **Green Star:** Jh, Os; **Tropicana:**

HF, Jh, Os. **Danyelle:** Ha, NE. **Mascara:** SS, Te. **Dragon:** Jh, Os; **Starhawk:** Gu, Os.

**MELON.** **Aphrodite:** Bu, Ha, HP, Jr, Ju, Os, St, Vr; **Athena:** Fe, Gu, Ha, HF, HP, Jh, Jr, Ju, MV, NE, Os, Pi, St, Te. **Origami:** Os; **Wrangler:** Ha, Jh. **Arava:** Fe, Jh; **Sigel:** NE.

**PEA.** **Lincoln:** Bk, Bu, Fe, Gu, Ha, Jr, Ju, MV, NE, Pa, Pi, Re, St, Te, Vr; **Mr. Big:** Bu, HP, Os, Pa, Re, St, Vr, Vs. **Sugar Ann:** Bk, Fe, Gu, Jh, Jr, Ju, MV, NE, Os, Re, Te; **Sugar Lace II:** Jr, Pa, Pi, Vs. **Oregon Sugar Pod 2:** Bk, Bu, Fe, Gu, Ha, HF, Jr, Kz, MV, NE, Os, Pi, Re, Te, Vr, Vs; **Sweet Horizon:** Os, Te.

**POTATO.** **Yukon Gem:** MT; **Yukon Gold:** Bu, Gu, HF, Jh, Ju, MT, Pa, Pi, SS, Te. **Carola:** MT, Pa, Pi, SS; **Satina:** Jh, MT. **German Butterball:** Bu, Gu, Ju, MT, Pa, Pi, SS, Te; **Yellow Finn:** HF, MT. Peter Wilcox: Jh, MT; **Purple Viking:** Ju, MT, Pa, SS, Te. **Chieftain:** MT, Pi; **Dark Red Norland:** HF, Jh, Ju, MT.

**PUMPKIN.** **Early Dakota Howden:** PR; **Howden XXX:** Os. **Captain Jack:** Ha, Os, Pa, Vs; **Howden Biggie:** Ha, Jr, Ju, MV, Os, Re, St. **Big Moose:** Ha, Jh, Os, St, Te; **Prizewinner:** Ha, Jr, Ju, Os, Re, St.

**SPINACH.** **SV2157VB:** Ha, Jr, Os; **Tyee:** Ha, Ju, MV, Pa, Pi, Vr. **Olympia:** Fe, Ha, Ju, Os, Sw, Te; **SV3580VC:** Os.

**SQUASH.** **Multipik:** Gu, Ha, Jh, Jr; **Zephyr:** Fe, Gu, Jh. **Noche:** Jh, Os, St; **Raven:** Fe, Jh, Pa, Pi, Te, Vr.

**SWISS CHARD. Orange Fantasia:** Os, Pi, Re, Vs; **Oriole:** Bk, Jh.

**WATERMELON. Shiny Boy:** Ha, Ju, MV, Pa, Vr; **Sweet Dakota Rose:** Bk, Fe, PR.

**BASIL. Dolly:** Jh; **Genovese:** Bk, Bu, Jh, Jr, MV, NE, Os, Pa, PR, Re, SS, St, Sw.

**CILANTRO. Calypso:** Bu, Jh, Ju, Os, Pa, Sw, Vs; **Santo:** Ha, Jh, Ju, NE, Os, Pa, St, Sw, Te, Vs.

**DILL. Diana:** Ju, St; **Hera:** Bu, Jh, Te.

**ORNAMENTAL BEAN. St. George:** Te, Vr; **Scarlet Runner:** Bk, Bu, Fe, MV, Pi, PR, SS, St, Vr, Vs.

**COSMOS. Cosimo Purple Red-White:** Bk, St; **Picotee:** Fe, Ha, HP, Os, Pi, St, Sw. **Diablo:** SS; **Tango:** Fe.

**GLADIOLUS. Blue Sky:** MZ, Na, Pi; **Land O' Lakes:** Na, Pi. **Olympic Flame:** Ju, Na; **Sun Kissed:** Ha, Ju, MZ, Na, Pi. **Chit Chat:** Ha, Ju, Na, Pi; **Pink Event:** Na, Pi. **Purple Flora:** Ju; **Violetta:** MZ, Pi. **Flora Red:** Ha, Ju, MZ; **Oscar:** Na, Pi. **Priscilla:** Ha, Na, Pi; **Wine and Roses:** Na. **Alaska:** Ha, Ju, MZ; **White Prosperity:** Na, Pi. **Bananarama:** Ha, Na, Pi; **Nova Lux:** Na. **Fiesta:** Na, Vs; **Jester:** Na.

**SUNFLOWER. Sunrich Orange Summer:** Ha, Jh, St, Sw; **Vincent's Choice:** Ha, Jh, St, Sw. **Firecracker:** Jh, Sw, Vs; **Rio Carnival:** Ha. **Solar Chocolate Gold:** Ha, Te; **Sunny Smile:** Jh, Jr, Os, Pa, Sw.

**ZINNIA. Peppermint Stick Mix:** Bk, Ju, Pa, Pi, St, Sw; **Salsiendo Mix:** St, Sw.

## Photo Credits

Photos in this document are adapted from photos made available under Creative Commons licenses specified by the photographer, all allowing for adaptation, modification or building upon. Photos start with the URL [www.flickr.com/photos/](http://www.flickr.com/photos/): Adam Fagen, .../51035749109@N01/8045984412/; gravity\_grave, .../laureenp/5042670724/; Jill Clardy, .../jillclardy/4705352658/; Niccie King, .../whattniccieate/9428003125/; Elizabeth Thomsen, .../ethomsen/2690055049/; Dan Klimke, .../dklimke/3630474098/; shannonpatrick17, .../shannonpatrick17/2741977165/; Sharon Drummond, .../dolmansaxlil/5810298388/; Judy Baxter, .../

judybaxter/3648260751/; Robert Couse-Baker, .../29233640@N07/5972228077/; Julie Falk, .../piper/40997461/; Timothy Takemoto, .../nihonbunka/12878137/; smcgee, .../smcgee/35749318/; Dan Klimke, .../dklimke/4639932167/; Darya Pino, .../summertomato/4508709949/; Joan, .../pipdiddy/5714104651/; Phillip Merritt, .../phillipmerritt/4186194028/; tiny banquet committee, .../tinybanquet/156122857/; Jeremy Bronson, .../jbrons/4686922342/; freshelectrons, .../freshelectrons/6660964427/; Mercedes, .../lawrencefarmersmarket/2529145266/; Judy Knesel, .../jknesel/4476564138/; B, .../11561957@N06/8208619990/; Richard North, .../richardnorth/7704638642/; Dave Gunn, .../shelley\_dave/2696663858/; Julie, .../yoursecretadmiral/4707352649/; norwich nuts, .../veganfeast/4996848357/; Darya Pino, .../36842913@N08/4263402042/; Simon Huntley, .../127921325@N03/15290590702/; Laura, .../sophielovespeanutbutter/4143179222/; Tapir Girl, .../sasha\_kopf/3846090177/; Market Manager, La Grande Farmers' Market, .../37884983@N03/3724216864/; jjjj56cp, .../25171569@N02/10054547606/; Rob Kleine, .../rkleine/5282883441/; Cindy Funk, .../84858864@N00/1478356424/; Robb & Jessie Stankey, .../robbplusjessie/3639148843/; Robin, .../goofygouda/4670222381/; ilovebutter, .../jdickert/852676029/ and .../jdickert/852904568/; Sarah Witherby, .../inkyswot/6910138354/; Edward O'Connor, .../hober/168648375/; Amanda Slater, .../pikerslanefarm/2650630412/; Henrique Vicente, .../henriquev/41333668/; bagaball, .../bagaball/5777241197/; Leah Grunzke, .../28977572@N07/3879281708/; \*hightiger, .../14791745@N05/1787487139/; John, .../puzzler4879/5349425408/; asdfawev, .../bcballard/145303461/; John Kratz, .../kratz/320614427/; buttersweet, .../buttersweet/33645753/; Stephen Shellard, .../stephen\_shellard/6011063209/; Paul Collins, .../petyr/5821551145/; rachelgreenbelt, .../rachelgreenbelt/15059590545/; PARSHOTAM LAL TANDON, .../13070711@N03/9774425315/ and 13070711@N03/6006701353/; Kai Yon, Joseph Wong, .../33623636@N08/6719410999/; tracy ducasse, .../teagrll/202585263/; Thomas Quine, .../quinet/51811253/. Mags\_cat, .../mk1971/1342077980/; Swallowtail Garden Seeds, .../swallowtailgardenseeds/; Thomas Hawk, .../thomashawk/12235615/; melvinrobertw, .../melvinrobertw/210028505/.

## NDSU EXTENSION SERVICE

Written by Thomas J. Kalb, Ph.D., Extension Horticulturist, North Dakota State University Extension Service; 3715 E. Bismarck Expy; Bismarck, ND 58501; (701) 221-6865; [tom.kalb@ndsu.edu](mailto:tom.kalb@ndsu.edu)

February 2016

