# North Dakota Home Garden Variety Trials SUMMARY

021

NDSU

EXTENSION

### **Summary of Results**

A team of volunteers in North Dakota and surrounding states/provinces evaluated promising vegetable, herb and cut flower varieties. Gardeners at 307 sites rated varieties for health, earliness, yield and food/ornamental quality. Reports of 1,229 side-byside comparisons were submitted.

In each report, they noted which of the two varieties they preferred (Pref) and which of the varieties they would recommend (Rec) to other

**Bean, Green Snap** 

gardeners. They rated the performance of each variety using a scale of 1 to 10, with 1 = poor and 10 = excellent. The mean rating is presented in this summary.

The following is a summary of data, including our conclusions for each trial. Additional data and comments from gardeners are in the full report available at https://www.ag.ndsu.edu/homegardenvarietytrials/results.

Variety

Pref Rec

(%) Rating

(%)



14		- 11		
1	AL		3	
			5	
	3	1	2	
		23		

Both varieties produced good yields under harsh conditions. Gardeners who preferred 'Bush Blue Lake 274' liked its	B. Blue Lake 274 Strike	47 53	80 67	7.18 7.42
healthy plants and flavorful pods. 'Strike' pods were straight, smooth, and had a uniform size and shape.			(4	40 sites)
Bean, Green Snap (Organic)	Variety	Pref	Rec	Rating
Gardeners were very impressed with both varieties. 'Antigua' pods were slender, and several gardeners felt it	Antigua Provider	53 47	87 87	7.47 7.80
tasted better. Provider' germinated better at more sites, grew well, and produced earlier and higher yields.			(1	19 sites)
Bean, Purple Filet	Variety	Pref	Rec	Rating
Gardeners who preferred 'Celine' praised the variety for its	Celine	47	73	7.50
vigorous vines and higher yields. Gardeners who preferred 'Velour' noted its earliness and beautiful pods. 'Velour' pods turned green when cooked while 'Celine' pods turned yellow.	Velour 53 73 7.64 (19 sites)			
Bean, Yellow Filet Pole (Organic)	Variety	Pref	Rec	Rating
Nearly every gardener recommended 'Monte Gusto'. Its	French Gold	30	50	7.20
pods were long, very straight and tasted better. 'French Gold' produced beans quicker. The vines of both varieties were healthy and grew well.	Monte Gusto	70	90	7.70 12 sites)
Beet, Gold (Organic)	Variety	Pref	Rec	Rating
'Touchstone Gold' roots were more flavorful, more	Golden Grex	35	53	5.94
attractive, more consistent in size, and had a more globular shape. 'Golden Grex' germinated better, grew more vigorously and produced much higher yields.	Touchstone Gold	65	71	6.94 21 sites)
Beet, Red	Variety	Pref	Rec	Rating
'Eagle' germinated better and produced higher yields at	Eagle	53	89	7.53
more sites. Gardeners liked the globular shape, taste and dark-red color of its roots. Those who preferred 'Merlin'	Merlin	47	63	6.84
			(4	27 sites)

often mentioned its flavor and sweetness.

-	1	2	
	21	$\leq$	1
	24		7
	10		N
			1
	1.0	- 20	12
100	100		100

Beet, Red (Organic)	Variety	Pref (%)	Rec (%)	
'Detroit Dark Red' germinated better, grew more vigorously, and produced higher yields at more sites. Its roots were	Boro Detroit Dark Ree	30 d 70	60 90	6.15 7.45
attractive. 'Boro' was a good performer but showed no advantage over 'Detroit Dark Red' in any traits.			(.	22 sites
Carrot, Chantenay	Variety	Pref	Rec	Rating
'Hercules' grew quickly and was ready to harvest earlier. Every gardener who expressed a preference for root quality thought 'Hercules' was superior. Both varieties grew well and were recommended by most gardeners.	Cupar Hercules	20 80	60 100	6.00 8.20 (7 sites)
Carrot, Early Nantes	Variety	Pref	Rec	Rating
Gardeners liked both varieties. 'Goldfinger' produced higher yields at more sites. 'Goldfinger' carrots were large, straight, uniform and very attractive. Several gardeners felt 'Aranka'	Aranka Goldfinger	44 56	72 77 (	7.16 7.70 53 sites)
carrots were sweeter and tasted better. Carrot, Nantes (Organic)	Variety	Pref	Rec	Rating
'Naval' produced higher yields at more sites. Its roots were sweet, crisp, uniform in shape and beautiful. It is an	Naval Negovia	68 32	82 56	7.79 6.94
impressive organic carrot variety. 'Negovia' is a fine variety. It grew vigorously but showed no clear advantage.			(.	39 sites
Corn, Early Super Sweet	Variety	Pref	Rec	Rating
Both varieties performed well consistently. 'Catalyst' ripened several days earlier and produced higher yields. Gardeners	Catalyst Kickoff	61 39	89 89	7.83
liked the looks and quality of its ears. 'Kickoff' showed strong seedling vigor and produced good tasting corn.			(.	22 sites
Corn, Super Sweet	Variety	Pref	Rec	Rating
Most gardeners preferred 'American Dream' for its healthier stalks and more attractive ears. 'Epiphany' ripened earlier	American Dream Epiphany	n 71 29	57 57	7.43 7.00
and produced higher yields at more sites. Gardeners liked the taste of both varieties but more preferred 'Epiphany'.				(7 sites)
Corn, Super Sweet (Organic)	Variety	Pref	Rec	Rating
'Enchanted' showed its clear superiority again. It produced higher yields and had better quality ears. The only advantage	Enchanted Natural Sweet	80 20	60 40	6.60 4.80
of 'Natural Sweet' was its earliness. For the second straight year, most gardeners did not recommend 'Natural Sweet'.				(8 sites)
Corn, Yellow Sweet	Variety	Pref	Rec	Ratin
Every gardener preferred 'Bodacious'. It ripened earlier and produced higher yields at more sites. Gardeners loved the	Bodacious Honey Select	100 0	100 50	8.75 7.75
sweetness and tenderness of its ears 'Honey Select' received				(¬ ·.



-		-	2
18	k.		10
	22		09
1.0	1		1.1

sweetness and tenderness of its ears. 'Honey Select' received high marks, but it was overshadowed by 'Bodacious'.

( <u> </u>		>
( /	Cita	ac)
11	510	-21
<pre></pre>		

/e	9	1	P
		7	
	X		
		-	

Cucumber, Armenian	Variety	Pref (%)	Rec (%)	Rating
'Light Green' germinated better, showed more vigor, and	Light Green	40	70	6.50
produced earlier and higher yields. 'Striped' cucumbers tasted much better. These striped "snake melons" were more attractive, colorful, juicy and flavorful.	Striped	60	60	6.30 11 sites
Cucumber, Burpless	Variety	Pref	Rec	Ratin
'Summer Dance' produced earlier and higher yields. 'Summer Dance' cucumbers were dark green, smooth- skinned and had crisp, sweet flavor. 'Shintokiwa' is a promising organic burpless cucumber.	Shintokiwa Summer Dance	32 68	57 78 (4	6.64 8.00 43 sites
Cucumber, Pickling	Variety	Pref	Rec	Ratin
'Homemade Pickles' germinated better, produced earlier and produced more cucumbers. 'Max Pack' cucumbers were	Home. Pickles Max Pack	57 43	68 57	6.86 7.07
darker green and more attractive. Gardeners were evenly split on which variety's cucumbers tasted better.			(2	35 sites
Cucumber, Slicing	Variety	Pref	Rec	Ratin
Gardeners liked both varieties and were split on their preferences. 'Speedway' produced earlier and higher yields.	General Lee Speedway	50 50	75 75	7.00 6.00
'General Lee' produced higher quality cucumbers. This was our least popular cucumber trial this year.				(9 sites
Cucumber, Snack	Variety	Pref	Rec	Ratin
'Green Light' produced earlier and higher yields at more sites. Its cucumbers had smooth skin while 'Muncher'	Green Light Muncher	57 43	74 76	7.16 7.30
cucumbers had tiny spines. Gardeners who preferred 'Muncher' often mentioned its crisp texture and sweetness.			(4	43 sites
Kohlrabi, Green (Fall)	Variety	Pref	Rec	Ratin
Winner Improved' excelled in all traits including germination, yield and eating quality. 'Quickstar' was	Quickstar Winner Improve	33 d 67	22 89	5.22 7.33
disappointing, and few gardeners recommended it. Most kohlrabi trials reported little to no yield due to drought.				25 sites
Lettuce, Red Butterhead (Organic)	Variety	Pref	Rec	Ratin
'Sweet Valentine' germinated better, grew faster and	Alkindus	41	68	6.70
produced higher yields. More gardeners preferred the relatively mild taste of 'Sweet Valentine'. Gardeners liked the dark-red color of 'Alkindus' and its resistance to bolting.	Sweet Valentine			7.81 28 sites
Lettuce, Green Crisphead (Organic)	Variety	Pref	Rec	Ratin
Both varieties tolerated heat, resisted bolting and produced good yields of delicious lettuce. 'Muir' had attractive, ruffled	Muir Nevada	48 52	87 83	8.35 8.39
leaves while 'Nevada' had large, easy-to-pick leaves. There were no clear advantages to either variety for yield or taste.				30 sites

leaves while 'Nevada' had large, easy-to-pick leaves. There were no clear advantages to either variety for yield or taste.

Lettuce, Red Crisphead (Organic)	Variety	Pref (%)	Rec (%)	Rating
'Magenta' germinated and grew faster, and produced higher yields. Its red-tinged leaves were beautiful. Gardeners were	Magenta Pablo	67 33	89 67	8.33 7.67
impressed by the mild, sweet taste of 'Pablo'. Both varieties tolerated the intense summer heat and resisted bolting.			(*	12 sites)
Lettuce, Green Leaf	Variety	Pref	Rec	Rating
Both varieties received high marks. Most gardeners preferred 'Tropicana'. It germinated better and produced higher yields. Gardeners liked the beauty and taste of its	Slobolt Tropicana	29 71	75 75	7.75 7.63
bright green, thick, crumpled leaves.			(	10 sites)
Lettuce, Red Leaf (Organic)	Variety	Pref	Rec	Rating
'New Red Fire' and 'Red Sails' performed extremely well again this year under drought conditions. 'Red Sails' showed	New Red Fire Red Sails	33 67	100 67	8.33 8.67
better resistance to bolting. Plants of both varieties were healthy and produced good tasting lettuce.				(5 sites)
Melon, Early Cantaloupe	Variety	Pref	Rec	Rating
'Goddess' ripened earlier and produced higher yields at more sites than 'Halona'. More gardeners preferred the taste of	Goddess Halona	67 33	73 53	7.20 6.26
'Goddess'. 'Halona' was recommended by fewer gardeners and did not show superiority in any traits.			(*	18 sites)
Melon, Heirloom Cantaloupe (Organic)	Variety	Pref	Rec	Rating
Very few gardeners were interested in this trial. Our two reports showed general satisfaction with both varieties.	Hearts of Gold Pride of Wisc.	50 50	100 50	6.00 6.50
Hearts of Gold' was recommended by both gardeners. Pride of Wisconsin' showed it may be a productive variety.				(2 sites)
Melon, Heirloom Honeydew	Variety	Pref	Rec	Rating
Jenny Lind' produced earlier and higher yields, and gardeners preferred the taste of its fruits compared to those	Jenny Lind Montreal Marke	80 t 20	60 20	5.60 5.80
of 'Montreal Market'. Both of these heirloom varieties suffered from pests and diseases. Data are limited.	Honteur Hune	. 10		(6 sites)
Pea, Shell	Variety	Pref	Rec	Rating
Lincoln' vines were healthier and more productive at more sites. More gardeners preferred the taste of 'Lincoln'. Its	Knight Lincoln	45 55	63 78	7.39 7.94
pods were larger and easier to open. 'Knight' vines were compact and produced the first yield in many gardens.				36 sites)
Pea, Snap	Variety	Pref	Rec	Rating
'Sugar Ann' received high ratings. Gardeners were very impressed with its earliness, healthy vines, high yields and	SL123 Sugar Ann	11 89	28 94	4.33 8.17
delicious taste. 'SL3123' rated much lower for all traits and few gardeners recommended the variety.		~ ~		30 sites)

W.	1
	1

	Pea, Snow	Variety	Pref (%)	Rec (%)	Rating
ST.	Both of these varieties struggled in the drought. 'Avalanche' matured earlier and tasted sweeter, although its pods had a tendency to curl. 'Sweet Horizon' pods were flatter and very	Avalanche Sweeet Horizon	63 38	67 33 (1	6.78 6.11 12 sites)
	attractive. Pumpkin, Midsize	Variety	Pref	Rec	Rating
	'Bellatrix' produced higher yields and more pumpkins. Its vines showed better resistance to powdery mildew. 'Bellatrix' ripened earlier. 'Howden' is a popular Halloween pumpkin, and most gardeners felt its pumpkins were more attractive.	Bellatrix Howden	60 40	80 80 (1	6.70 6.00 13 sites)
	Pumpkin, Large	Variety	Pref	Rec	Rating
	Large Marge' germinated better, was healthier, ripened earlier and produced higher yields. 'Large Marge' pumpkins were bigger and more attractive. Most gardeners recommended 'Howden Biggie', but it was inferior.	Howden Biggie Large Marge	31 69	69 94 (1	6.94 7.56 19 sites)
- Mar	Pumpkin, Gray	Variety	Pref	Rec	Rating
	Gardeners liked the look of the 'Jarrahdale' pumpkins. Jarrahdale' germinated well and produced a higher yield at more sites. Half of our gardeners preferred 'Queensland Blue', but this variety did not standout in any traits.	Jarrahdale Queensland Blue	50 50	71 43 (1	7.57 7.00 15 sites)
	Radish, Bicolor (Spring)	Variety	Pref	Rec	Rating
O	Although few gardeners participated in this trial, every one of them recommended both 'Red Head' and 'Diana'. 'Red Head' germinated well and produced good yields.	Diana Red Head	50 50	100 100	7.25 7.50 (6 sites)
	Radish, Bicolor (Fall)	Variety	Pref	Rec	Rating
	Gardeners liked both varieties and they were closely split on their preference. Many gardeners felt 'Diana' tasted better. They enjoyed the crisp texture of the 'Diana' roots. 'Red Head' grew faster and produced higher yields at more sites.	Diana Red Head	53 47	71 71 (2	7.76 7.24 21 sites)
	Radish, Red (Spring)	Variety	Pref	Rec	Rating
6	Both varieties have reputations for being tolerant of heat, and this year's trials reinforced that quality. 'Rover' edged 'Sora' in germination, earliness and eating qualities. 'Sora' produced higher yields in more gardens.	Rover Sora	58 42	84 68	7.42 7.11 19 sites)
	Radish, Red (Fall)	Variety	Pref	Rec	Rating
	'Rover' germinated better in the hot summer soil and produced the first radishes at more sites. More gardeners preferred the taste of 'Rover' over 'Celesta'. 'Celesta' received high marks for the beauty of its cherry-red roots.	Celesta Rover	46 54	77 85 (1	7.77 7.38 17 sites)
Constanting	received high marks for the beauty of its cherry-red roots.				

1000	
	Both varieties struggled in the heat, and both varieties received fairly low marks. 'SV2146VB' resisted bolting much better, contributing to higher yields. Its leaves were dark green and very attractive. 'Sioux' did not excel in any trait.
See.	Spinach, Semi-Savoy Leaf (Fall)
	'Kookaburra' grew faster and produced higher yields. It had larger leaves, fuller plants and was judged healthier at more gardens. Most gardeners recommended 'Tundra' but it did not distinguish itself. Ratings for eating qualities were similar.
	Spinach, Smooth Leaf (Spring)
	The drought this year really brought out the superior qualities of 'Space'. It germinated better, grew faster, resisted bolting better, produced higher yields and tasted better at more sites. It is an outstanding variety for spring.
10	Squash, Smooth Leaf (Fall)
	'Space' germinated better, grew faster and produced higher yields under drought conditions. The two varieties received similar marks for eating quality with 'Lakeside' getting the edge in attractiveness and 'Space' the edge for flavor.
	Squash, Green Zucchini
	'Green Machine' was extremely impressive. Its vines were healthier, more vigorous and much more productive. The production started early in summer and continued to frost. 'Spineless Beauty' vines were spineless and easy to harvest.
	Squash, Yellow Zucchini
1	Both varieties grew well and produced lots of attractive

Spinach, Semi-Savoy Leaf (Spring)

Both varieties grew well and produced lots of attractive, delicious fruits in gardens across the state. Most gardeners gave an edge to 'Yellowfin' for the uniformity and taste of its fruits.



Squash, Winter Acorn	Variety
Both varieties received very high marks. That said, nearly every gardener preferred 'Autumn Delight'. It matched or surpassed 'Bellorado' for all traits including earliness and vield.	Autumn Delig Bellorado



### Squash, Winter Baby Butternut

Both prefei attrac more

	Variety	Pref	Rec	Rating		
elds. It had	Kookaburra	58	84	7.28		
er at more	Tundra	42	68	6.92		
but it did vere similar.			(36 site			
	Variety	Pref	Rec	Rating		
rior	Lizard	27	50	7.00		
ster,	Space	73	81	8.13		
l tasted			(2	23 sites)		

Variety

SV2146VB

Sioux

Pref Rec

(%)

56

56

Pref Rec Rating

Pref Rec Rating

78

78

7.22

8.11

(10 sites)

Rating

6.11

6.67

(16 sites)

(%)

33

67





ced higher	Lakeside	41	73	6.86	
es received	Space	59	86	7.55	
etting the avor.			(2	30 sites)	
	Variety	Pref	Rec	Rating	
ines were	Green Machine	87	93	8.53	
tive. The	Spineless Beauty	13	47	6.53	

Variety

Variety

Yellowfin

Variety

Butterbaby

Honeynut

Golden Glory

		(1	8 sites)
Spineless Beauty	13	47	6.53
Green Machine	87	93	8.53

44

56

			,	,
	Variety	Pref	Rec	Rating
aid, nearly	Autumn Delight			
natched or	Bellorado	14	86	8.14

(10 sites)

7.57

8.00

(10 sites)

Pref Rec Rating

86

86

57

43

varieties received very high marks. Most gardeners
rred Butterbaby'. Its fruits were smaller, more
ctive and tasted better. The vines of 'Honeynut' were
vigorous. Yields were similar.

Squash, Winter Butternut (Organic)	Variety	Pref (%)	Rec (%)	Rating
Nearly every gardener preferred the classic variety 'Waltham'. 'Waltham' produced earlier and higher yields. Its	Essex Waltham	13 88	57 86	7.88 9.13
fruits were beautiful and uniform. 'Essex' did well but could not match the performance of 'Waltham'.				(9 sites)
Squash, Winter Delicata	Variety	Pref	Rec	Rating
'Bush Delicata' germinated better, ripened much earlier and produced higher yields. Its vines were compact and resisted diseases. Gardeners who preferred 'Honey Boat' often cited	Bush Delicata Honey Boat	57 43	86 64	7.21 6.93
its rich, sweet flavor.			(.	18 sites)
Swiss Chard, Pink (Organic)	Variety	Pref	Rec	Rating
'Charbell' was healthier and grew robustly. It produced a higher yield and was more attractive. Its brilliant stems outshone those of 'Magenta Sunset', a popular variety that	Charbell Magenta Sunset	86 14	86 57	8.00 7.14
looked mediocre in comparison.				(7 sites)
Swiss Chard, Red (Organic)	Variety	Pref	Rec	Rating
Both varieties grew well and received high marks. Both varieties were healthy and resisted bolting. The major	Bali Rhubarb Suprem	75 ne 25	100 75	8.75 7.50
difference was the beauty of the 'Bali' leaves. The red color of its stems was brilliant and uniform.				(6 sites)
Turnip, Purple Top (Fall)	Variety	Pref	Rec	Rating
Pests and drought hindered both varieties. Most gardeners preferred 'Violet Queen'. This hybrid variety grew vigorously	Purp. T. W. Glob Violet Queen	e 38 63	88 88	$7.00 \\ 8.00$
and matured faster at more sites. More gardeners felt the roots of 'Purple Top White Globe' were more attractive.	<u></u>			21 sites)
Watermelon, Red	Variety	Pref	Rec	Rating
'Sweet Dakota Rose' was healthier, ripened fruits earlier and was more productive. The flesh of its melons was crisp,	Fantasy Swt. Dakota Ros	28 se 72	50 89	5.89 7.39
sweet and delicious. Fantasy' performed inconsistently across the state and was subject to blossom end rot.				25 sites)
Watermelon, Red Icebox	Variety	Pref	Rec	Rating
'Blacktail Mountain' grew better, matured earlier and produced higher yields. 'Blacktail Mountain' grew better this year compared to previous years. Perhaps this is a sign it can	Blacktail Mtn. Sugar Baby	57 43	57 43	6.57 5.71
tolerate heat and drought better than 'Sugar Baby'.				(8 sites)
Basil, Italian (Organic)	Variety	Pref	Rec	Rating
'Genovese' was rated superior in all categories, especially in taste qualities. Previous testing has shown 'Prospera' is the best of the downy mildow registent besil varieties. In the	Genovese Prospera	85 15	92 58	8.77 7.31
best of the downy mildew-resistant basil varieties. In the absence of the disease, 'Prospera' is inferior to 'Genovese'.			(,	16 sites)

Basil, Italian Large Leaf	Variety	Pref (%)	Rec (%)	Rating
Both varieties received high ratings for their beautiful, healthy, productive plants. 'Newton' was preferred by most	Newton Prospera I. L. Lf	63 : 38	100 63	8.38 7.38
gardeners and recommended by all of them. It had a milder taste with less anise flavor.				(9 sites)
Balsam	Variety	Pref	Rec	Rating
'Camellia Flower Mix' bloomed earlier, had more blooms and was judged to be the prettier variety at more sites.	Bush Mix Camellia Flower	50 50	71 75	7.08 7.33
Gardeners liked the array of colors in 'Bush Mix'. Both rarieties bloomed late in the season.			(	28 sites)
Marigold, Gold Cutting	Variety	Pref	Rec	Rating
The plants of both varieties were tall and sturdy with large, bright blooms. The plants kept blooming well into fall and	Coco Gold Oriental Gold	42 58	69 92	6.38 7.46
made beautiful bouquets. Most gardeners preferred 'Oriental Gold'. Gardeners liked the vigor of this variety.				15 sites)
Morning Glory, Blue	Variety	Pref	Rec	Rating
'Heavenly Blue' vines were healthy, vigorous and full of velvety blue flowers. It bloomed earlier and more gardeners felt it was the prettier variety. 'Flying Saucers' germinated well and had interesting blue streaks on its blooms.	Flying Saucers Heavenly Blue	33 67	67 67	6.22 6.67
				13 sites)
Sunflower, Bicolor	Variety	Pref	Rec	Rating
Gardeners generally liked but did not love these varieties. 'Florenza' was more vigorous and healthy. It had taller stalks	Florenza Ring of Fire	50 50	67 56	5.78 6.33
with more and larger flowers. Gardeners liked the more vibrant colors of 'Ring of Fire'.				12 sites)
Sunflower, Bicolor Dwarf	Variety	Pref	Rec	Rating
'Firecracker' bloomed first. Its blooms were warm and	Firecracker	69 21	77	7.77
vibrant. Its plants were uniform. 'Music Box' blooms had a wider range of colors, some bright and some pale. Its plants had many flowers, and they bloomed late into the fall.	Music Box	31	62	7.15 14 sites)
Sunflower, Orange	Variety	Pref	Rec	Rating
We were surprised at the lack of interest in this trial. The	Sunrich Orange	50	75	6.75
few gardeners in this trial liked both varieties and were evenly split on the variety they preferred. More gardeners felt Vincent's Choice' was prettier, but data are quite limited.	Vincent's Choice	50	75	7.25 (4 sites)
Sunflower, Orange Dwarf	Variety	Pref	Rec	Rating
'Hella Sonnenblume' germinated better and was healthier. It	Hella Sonnenbl.	50	75	6.75
produced more flowers. 'Orange Hobbit' had bright orange blooms on much shorter plants. More gardeners felt it was	Orange Hobbit	50	50	6.75 (4 sites)

prettier than 'Hella Sonnenblume'. Data are limited.

Nº VA	Zinnia, Cactus Mix	Variety	(%)
	Both varieties produced beautiful blooms, excelled as cut flowers, and bloomed until the first frost. 'Bright Jewel Mix' germinated much better, bloomed earlier and produced many more flowers. It had a wider range of colors.	Bright Jewel Giant Mix Impr.	92 8
-Million	Zinnia, Dahlia Mix	Variety	Pref
	Last year, most gardeners preferred 'State Fair' for its bold colors. This year, most gardeners preferred 'California	California Giants State Fair	56 44
	Giants'. 'California Giants' germinated well, bloomed first in most gardens and produced more flowers overall.		
	Zinnia, Scarlet Dahlia	Variety	Pref
	'Scarlet Flame' bloomed earlier and had more flowers. Its flowers were big, bright and uniformly red. 'Meteor' flowers	Meteor Scarlet Flame	30 70
	had shades of magenta which disappointed some gardeners. 'Meteor' was good, but it did not stand out in any trait.		
June 2	Zinnia, Mexican	Variety	Pref
e ak	Both had low, spreading habits and produced flowers in warm colors. Jazzy Mix' plants were healthier, stronger and	Aztec Sunset Jazzy Mix	13 88
		· · · ·	

warm colors. 'Jazzy Mix' plants were healthier, stronger and fuller. They bloomed earlier and produced more flowers at more sites. 'Aztec Sunset' rated lower for all traits.

	Zinnia, Scabiosa	Variety	Pref	Rec	Rating
	'Candy Mix' germinated better, was healthier, bloomed	Candy Mix	63	63	7.25
	earlier and produced more flowers. 'Cresto! Mix' did not	Cresto! Mix	38	63	7.25
der.	excel in any trait. Some gardeners were disappointed in the				(9 sites)
1	lack of flowers with crested petals for both varieties.				







North Dakota	<b>Home Garden</b>	Variety Trials	s - 2021
		Tarroty mane	

Pref Rec (%)

92 100

69

Pref Rec Rating

82

68

Pref Rec Rating

60

90

Pref Rec Rating

56

89

(%) Rating

8.62

6.85 (16 sites)

8.00

7.38 (31 sites)

7.40

8.50 (10 sites)

6.67

7.78

(11 sites)

#### **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/, unless noted otherwise: COVER: jacqueline macou from Pixabay. PAGE 2: Angie Waletzko. Cover: Domiriel, .../domiriel/ 7426033500/; BEAN: Seacoast East Local, .../seacoasteatlocal/36094591445/; danbruell, .../mr-morshee/28679579807/; Larry, .../ muyyum/4936450828/; Alice Henneman.../ alicehenneman/6120192853/. BEET: Niccie King, .../whatniccieate/9428003125/; Seattle City Council, .../seattlecitycouncil/ 9351211791/; woodleywonderworks, .../ wwworks/7670932230/. CARROT: Elizabeth Thomsen, .../ethomsen/ 2690055049/; 11. congerdesign from Pixabay; 12. Dan Klimke, .../dklimke/3630474098/. CORN: shannonpatrick17, .../ shannonpatrick17/2741977165/; All-America Selections; Sharon Drummond, .../ dolmansaxlil/5810298388/; Dan Machold, .../mybloodyself/479266215/. CUCUMBER: \_e.t, .../45688285@N00/ 550985786/; Timothy Takemoto, .../ nihonbunka/12878137/; All-America

Selections; National Garden Bureau; All-America Selections. KOHLRABI: lucas\_holiday from Pixabay. LETTUCE: Suzie's Farm, .../suziesfarm/6942076153/; Dwight Sipler, .../photofarmer/4988502522/ ; B, ... /11561957@N06/18349858178/; Jeremy Bronson, .../jbrons/4686922342/; Mark Levisay, .../mlevisay/8704714599/. MELON: 27. Judy Knesel, .../jknesel/ 4476564138/; Hans Braxmeier from Pixabay; titosoft from Pixabay. PEA: Dave Gunn, .../ shelley\_dave/2696663858/; Julie, .../ yoursecretadmiral/4707352649/; 32. Vegan Feast Catering, .../veganfeast/4996848357/. PUMPKIN: ZakVTA, .../isaachsieh/ 2974054622/; jjjj56cp, .../25171569@N02/ 10054547606/; U.S. Department of Agriculture, .../usdagov/30426778362/. **RADISH:** Mo, .../april-mo/12972526844/; Holger Langmeier from Pixabay; anneapictures from Pixabay; All-America Selections. SPINACH: Robb & Jessie Stankey, .../robbplusjessie/3639148843/; Renee, .../ 59064186@N00/5645145906/; Robin, .../goofygouda/4670222381/; Michelle@TNS, .../25904307@N08/ 6838951531. SQUASH: Katie Harbath, .../ katieharbath/4817646745/; Forest and Kim Starr, .../starr-environmental/24797125701/;

danbruell, .../mr-morshee/7966077448/; webdesignnewcastle from Pixabay; George Chernilevsky from Wikimedia Commons; Green Mountain Girls Farm from Wikimedia Commons. SWISS CHARD: stux from Pixabay; 47. thansi from Pixabay. TURNIP: Neil Hall LRPS, .../ byneilhall/8735120272/. WATERMELON: pasja1000from Pixabay; vigilant20, .../lynnszwalkiewicz/ 4891304037/. BASIL: Cinnamon Cooper, .../cinnachick/4710531895; Su Yin Khoo, .../ksuyin/5366112661/. BALSAM: Rameshng from Wikimedia Commons. MARIGOLD: Martin LaBar, .../ martinlabar/50441467561/. MORNING GLORY: milomingo, .../cttc/445344441/. SUNFLOWER: Jo Zimny Photos, .../ joeyz51/50187011037/; Domiriel, .../ domiriel/7426033500/; Swallowtail Garden Seeds, .../swallowtailgardenseeds/ 36472461145/; Art Aspirations, .../ 23471014@N03/3770345292/. ZINNIA: MrGajowy3 from Pixabay; BlueRidgeKitties, .../blueridgekitties/4836624430/; Lotus Johnson, .../ngawangchodron/29736237652/ ; Swallowtail Garden Seeds, .../ swallowtailgardenseeds/40817516850/; Swallowtail Garden Seeds, .../ swallowtailgardenseeds/49272657051/.

## NDSU EXTENSION

Written by Tom Kalb, Extension Horticulturist North Dakota State University Extension

Contact information: Tom Kalb, Ph.D. North Dakota State University 2718 Gateway Avenue, Unit 304 Bismarck, ND 58503 701.328.9722 tom.kalb@ndsu.edu

For more information on the North Dakota Home Garden Variety Trials Program, go to https://www.ag.ndsu.edu/homegardenvarietytrials/

This is an academic report published for educational purposes only.

January 2022

NDSU does not discriminate in its programs and activities on the basis of age, color, gender expression/identity, genetic information, marital status, national origin, participation in lawful off-campus activity, physical or mental disability, pregnancy, public assistance status, race, religion, sex, sexual orientation, spousal relationship to current employee, or veteran status, as applicable. Direct inquiries to Vice Provost, Title IX/ADA Coordinator, Old Main 201; (701) 231-7708; ndsu.eoaa@ndsu.edu.