## North Dakota Home Garden Variety Trials

2013 Summary



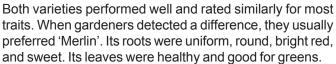
## North Dakota Home Garden Variety Trials 2013 Summary

Gardeners participated in 86 trials, each trial comparing two promising vegetable or flower varieties. Over 250 gardeners rated the varieties for plant health, earliness, yield, and food/ornamental quality. In each trial they noted which of the two varieties they preferred (Pref) and which of the varieties they would recommend (Rec) to other gardeners. They rated the performance of each variety using a scale of 1 to 10, with 1 = poor and 10 = excellent. All data and comments of gardeners are available in the complete report at www.dakotagardener.com/trials/. The following is a summary of data, including our conclusions for each trial.



1 Bean Green

I. Bedh, Green	variety	(%)	(%)	(Avg.
Both varieties received high ratings and were recommended by the vast majority of gardeners. Gardeners appreciated	B.Blue Lake 274 Jade II	48 52	76 76	7.65 7.60
the vigor and yields of 'Bush Blue Lake 274'. They loved the straight, smooth and tender pods of 'Jade II'.			(2	1 sites
2. Bean, Green Filet	Variety	Pref	Rec	Rating
"Maxibel' germinated especially well for a filet bean (small	Masai	13	50	5.55
seeds) in cool soil. Yields were good; its pods were long, thin, beautiful and delicious. 'Masai' was less vigorous. Its pods were shorter but outstanding in quality.	Maxibel	88	90 (1	8.82 2 sites
3. Bean, Purple	Variety	Pref	Rec	Ratin
'Royal Burgundy' germinated well and grew more vigorously.	Royal Burgundy	50	78	7.17
It produced good yields. 'Velour' pods were slim, uniform and straight. Many gardeners preferred its filet pod; others preferred the traditional pod of 'Royal Burgundy'.	Velour	50	61 (1	6.56 8 sites
4. Bean, Vegetable Soybean	Variety	Pref	Rec	Ratin
'Envy' germinated much better than 'Midori Giant' in the	Envy Midori Giant	75	100	
			75	
cool soil. It was more reliable; every gardener recommended it. The bigger-seeded 'Midori Giant' matched 'Envy' for yield and quality traits. It received strong reviews as well.	Midon Glant	25	75	7.50
it. The bigger-seeded 'Midori Giant' matched 'Envy' for yield	Variety	Pref	(	7.50 7 sites
<ul> <li>it. The bigger-seeded 'Midori Giant' matched 'Envy' for yield and quality traits. It received strong reviews as well.</li> <li><b>5. Bean, Yardlong</b></li> <li>'Gita' and 'Orient Wonder' thrived in 2012 but suffered in a</li> </ul>			(	8.50 7.50 7 sites Rating 5.20
<ul> <li>it. The bigger-seeded 'Midori Giant' matched 'Envy' for yield and quality traits. It received strong reviews as well.</li> <li><b>5. Bean, Yardlong</b></li> <li>'Gita' and 'Orient Wonder' thrived in 2012 but suffered in a cooler 2013. 'Orient Wonder' showed greater tolerance to</li> </ul>	Variety	Pref 37 63	Rec 51 34	7.50 7 sites Ratin 5.20 5.84
<ul> <li>it. The bigger-seeded 'Midori Giant' matched 'Envy' for yield and quality traits. It received strong reviews as well.</li> <li><b>5. Bean, Yardlong</b></li> <li>'Gita' and 'Orient Wonder' thrived in 2012 but suffered in a</li> </ul>	Variety Gita Orient Wonder	Pref 37 63 (10	Rec 51 34 sites	7.50 7 sites Ratin 5.20 5.84 in 201
<ul> <li>it. The bigger-seeded 'Midori Giant' matched 'Envy' for yield and quality traits. It received strong reviews as well.</li> <li><b>5. Bean, Yardlong</b></li> <li>'Gita' and 'Orient Wonder' thrived in 2012 but suffered in a cooler 2013. 'Orient Wonder' showed greater tolerance to cool temps. Earliness, yield and pod quality were similar.</li> </ul>	Variety Gita Orient Wonder	Pref 37 63 (10 nd 11	Rec 51 34 sites sites i	7.50 7 sites Ratin 5.20
<ul> <li>it. The bigger-seeded 'Midori Giant' matched 'Envy' for yield and quality traits. It received strong reviews as well.</li> <li><b>5. Bean, Yardlong</b></li> <li>'Gita' and 'Orient Wonder' thrived in 2012 but suffered in a cooler 2013. 'Orient Wonder' showed greater tolerance to cool temps. Earliness, yield and pod quality were similar. Most gardeners did not enjoy the asparagus-like flavor.</li> </ul>	Variety Gita Orient Wonder ar	Pref 37 63 (10 nd 11 Pref	Rec 51 34 sites sites i	7.50 7 sites Ratin 5.20 5.84 in 2013



(16 sites)

Pref Rec Rating

(%) (%) (Ava.)

Variety

	7. Broccoli	Variety	Pref (%)	Rec (%)	Rating (Avg.)
	"Packman' performed especially well. Gardeners liked the appearance and flavor of its heads. Yields were early and	Coronado Crown Packman	0 100	50 100	6.75 8.25
R W *	abundant. Every gardener preferred it over 'Coronado Crown', which did fine but was not special.			(	6 sites)
	8. Carrot, Orange Chantenay	Variety	Pref	Rec	Rating
3	'Hercules' yields were abundant and reliable. Nearly every gardener recommended it. 'New Kuroda' matched, or	Hercules New Kuroda	58 42	92 69	7.75 7.33
	exceeded it for looks and taste quality. It is a promising variety especially for those who enjoy eating big, raw carrots.			(1	3 sites)
	9. Carrot, Orange Nantes	Variety	Pref	Rec	Rating
$\overline{\mathcal{N}}$	Both grew well. 'Laguna' matched or exceeded 'Nectar' for all traits. It was sweeter, making it a great carrot for snacks.	Laguna Nectar	65 35	75 75	7.89 7.50
	Its plants were healthy, roots were uniform, and yields were excellent. 'Nectar' carrots were longer; yet easier to dig.				0 sites)
	10. Carrot, Purple	Variety	Pref	Rec	Rating
	Gardeners were impressed with the dark color of 'Deep	Deep Purple	55	83	6.58
1 7	Purple', but it had a tendency to develop forked roots. It grew vigorously, matured earlier, and produced higher yields.	Purple Sun	45	75 (1	5.58 2 sites)
î 🛥. I	'Purple Sun' lacked vigor, but had straighter roots.				
	11. Carrot, Yellow	Variety	Pref	Rec	Rating
	Both 'Chablis Yellow' and 'Yellow Sun' grew well and tasted good (but not great). Every gardener recommended 'Chablis	Chablis Yellow Yellow Sun	63 38	100 50	7.75 6.63
	Both 'Chablis Yellow' and 'Yellow Sun' grew well and tasted good (but not great). Every gardener recommended 'Chablis Yellow'. Its lush plants produced good yields. Its bright yellow roots were longer and more uniform.	Chablis Yellow Yellow Sun	63 38	50	7.75 6.63 8 sites)
	good (but not great). Every gardener recommended 'Chablis Yellow'. Its lush plants produced good yields. Its bright			50 (	6.63
	good (but not great). Every gardener recommended 'Chablis Yellow'. Its lush plants produced good yields. Its bright yellow roots were longer and more uniform. <b>12. Corn, Ornamental</b> 'Fiesta' grew vigorously and matured early. Its ears were full-sized; the kernels were bright and colorful. The purple	Yellow Sun	38	50 (	6.63 8 sites)
	<ul> <li>good (but not great). Every gardener recommended 'Chablis Yellow'. Its lush plants produced good yields. Its bright yellow roots were longer and more uniform.</li> <li><b>12. Corn, Ornamental</b></li> <li>'Fiesta' grew vigorously and matured early. Its ears were</li> </ul>	Yellow Sun Variety Fiesta	38 Pref 75	50 ( Rec 75 25	6.63 8 sites) Rating 8.50
	<ul> <li>good (but not great). Every gardener recommended 'Chablis Yellow'. Its lush plants produced good yields. Its bright yellow roots were longer and more uniform.</li> <li><b>12. Corn, Ornamental</b></li> <li>'Fiesta' grew vigorously and matured early. Its ears were full-sized; the kernels were bright and colorful. The purple coloring on some husks accentuated its beauty. The stalks</li> </ul>	Yellow Sun Variety Fiesta	38 Pref 75	50 ( Rec 75 25 (	6.63 8 sites) Rating 8.50 5.50
	<ul> <li>good (but not great). Every gardener recommended 'Chablis Yellow'. Its lush plants produced good yields. Its bright yellow roots were longer and more uniform.</li> <li><b>12. Corn, Ornamental</b> 'Fiesta' grew vigorously and matured early. Its ears were full-sized; the kernels were bright and colorful. The purple coloring on some husks accentuated its beauty. The stalks of 'Wilda's Pride' grew tall, but ears did not always mature. <b>13. Corn, Popcorn</b> 'Robust 997' grew vigorously. Its stalks were healthy and</li></ul>	Yellow Sun Variety Fiesta Wilda's Pride Variety Red Beauty	38 Pref 75 25 Pref 0	50 ( Rec 75 25 ( Rec 67	6.63 8 sites) Rating 8.50 5.50 4 sites) Rating 5.00
	<ul> <li>good (but not great). Every gardener recommended 'Chablis Yellow'. Its lush plants produced good yields. Its bright yellow roots were longer and more uniform.</li> <li><b>12. Corn, Ornamental</b></li> <li>'Fiesta' grew vigorously and matured early. Its ears were full-sized; the kernels were bright and colorful. The purple coloring on some husks accentuated its beauty. The stalks of 'Wilda's Pride' grew tall, but ears did not always mature.</li> <li><b>13. Corn, Popcorn</b></li> </ul>	Yellow Sun Variety Fiesta Wilda's Pride Variety	38 Pref 75 25 Pref	50 ( Rec 75 25 ( Rec 67 67	6.63 8 sites) Rating 8.50 5.50 4 sites) Rating
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	<ul> <li>good (but not great). Every gardener recommended 'Chablis Yellow'. Its lush plants produced good yields. Its bright yellow roots were longer and more uniform.</li> <li><b>12. Corn, Ornamental</b> 'Fiesta' grew vigorously and matured early. Its ears were full-sized; the kernels were bright and colorful. The purple coloring on some husks accentuated its beauty. The stalks of 'Wilda's Pride' grew tall, but ears did not always mature. <b>13. Corn, Popcorn</b> 'Robust 997' grew vigorously. Its stalks were healthy and its yields were impressive. The red kernels of 'Red Beauty' were stunning. Both varieties matured before frost. We won't know until later which variety pops and tastes better. </li> <li><b>14. Corn, Bicolor Sugary Enhanced</b></li> <li>'Luscious' showed more vigor and produced higher yields.</li> </ul>	Yellow Sun Variety Fiesta Wilda's Pride Variety Red Beauty Robust 997 Variety Variety Ambrosia	38 Pref 75 25 Pref 0 100 Pref 50	50 ( Rec 75 25 ( Rec 67 67 67 ( Rec 29	6.63 8 sites) Rating 8.50 5.50 4 sites) Rating 5.00 6.00 3 sites) Rating 3.17
	<ul> <li>good (but not great). Every gardener recommended 'Chablis Yellow'. Its lush plants produced good yields. Its bright yellow roots were longer and more uniform.</li> <li><b>12. Corn, Ornamental</b> 'Fiesta' grew vigorously and matured early. Its ears were full-sized; the kernels were bright and colorful. The purple coloring on some husks accentuated its beauty. The stalks of 'Wilda's Pride' grew tall, but ears did not always mature. <b>13. Corn, Popcorn</b> 'Robust 997' grew vigorously. Its stalks were healthy and its yields were impressive. The red kernels of 'Red Beauty' were stunning. Both varieties matured before frost. We won't know until later which variety pops and tastes better. </li> <li><b>14. Corn, Bicolor Sugary Enhanced</b></li> </ul>	Yellow Sun Variety Fiesta Wilda's Pride Variety Red Beauty Robust 997 Variety	38 Pref 75 25 Pref 0 100 Pref	50 Rec 75 25 ( Rec 67 67 67 ( Rec 29 43	6.63 8 sites) Rating 8.50 5.50 4 sites) Rating 5.00 6.00 3 sites) Rating

	15. Corn, Bicolor Super Sweet	Variety	Pref (%)	Rec (%)	Rating (Avg.)
四	Shrunken kernel types are known to struggle in cold, wet soils, but these varieties did well, especially 'Mirai 350 BC'. Both varieties grew well and produced good yields.	Mirai 350 BC Xtra-Tender 277	38 A 63	60 89	6.90 7.88 0 sites)
	Gardeners loved the taste of 'Xtra-Tender 277A'.			(I	0 31103)
3428	16. Corn, Yellow Super Sweet	Variety	Pref	Rec	Rating
	Data and comments are limited, but 'Vision' performed well at all sites. Germination of these shrunken kernel varieties	4001Y Vision	25 75	75 75	7.25 8.75
	was less than ideal in the cold soil. Gardeners liked both varieties, but 'Vision' was preferred for its superior taste.		10		4 sites)
(III)	17. Corn, Bicolor Synergistic	Variety	Pref	Rec	Rating
8 M	The vigor of 'Allure' was impressive. It germinated well and	Allure	86	71	7.86
	developed strong stalks. Yields were good. Gardeners preferred the look and taste of its ears. 'Montauk' struggled;	Montauk	14	<u>14</u> (	4.00 9 sites)
	yields were poor and its ears were susceptible to smut.				
	18. Corn, Yellow Synergistic	Variety	Pref	Rec	Rating
511	'Honey Select' was superior. It grew more vigorously and produced higher yields. It matured earlier, and its ears were	Applause Honey Select	20 80	60 100	7.00 8.20
100	bigger and more attractive. The taste of 'Applause' was	Tioney Select	00		5 sites)
	comparable; many gardeners recommended the variety.				
	19. Cucumber, Pickling	Variety	Pref	Rec	Rating
	'Homemade Pickles' matched or exceeded 'Calypso' in earliness, yield and taste. Its vines got off to a stronger	Calypso Homemade P.	34 66	59 73	6.54 7.57
	start. Its fruits were uniform, straight and solid. 'Calypso' was good, but 'Homemade Pickles' was better.		00	-	4 sites)
	20. Cucumber, Slicing	Variety	Pref	Rec	Rating
m	'Straight Eight' is productive in cool summers and it	General Lee	44	50	6.88
	outyielded the hybrid 'General Lee'. Its seedlings got off to a strong start. Gardeners liked the quality of 'General Lee'	Straight Eight	56	86	7.43 0 sites)
A CONTRACTOR	cucumbers; this variety yielded better in previous years.			( -	,
	21. Cucumber, Beit Alpha	Variety	Pref	Rec	Rating
	'Diva' is not known for its vigor, but it germinated well in the	Diva		82	8.09
8	cool soil and produced good crops. Fruits were thin-skinned, uniform in shape, crisp, mild, and burpless. Its competitor was disqualified due to an error by our seed source.			(1	1 sites)
	22. Cucumber, Burpless	Variety		Rec	Rating
	The vigorous vines of 'Tasty Green' produced earlier and	Summer Dance	38	48	6.38
	higher yields. Its fruits were more attractive. Gardeners liked the smooth, dark skin and straight shape of 'Summer Dance'	Tasty Green	62	62 (2	7.09 3 sites)
	cucumbers, but overall the variety was less reliable.			``	,

	23. Gourd, Ornamental	Variety	Pref (%)	Rec (%)	Rating (Avg.)
	Vigorous vines produced loads of gourds with rich colors and eye-catching shapes. 'Autumn Wings' matured earlier. Gardeners were enthralled with the diversity of "ugly" gourds	Autumn Wings Gremlins	50 50	78 78	7.25 7.50 8 sites)
	produced by 'Gremlins'. Both varieties were outstanding.	Variety	Drof	Poo	Dating
AND	24. Greens, Pak Choi		Pref		Rating
1	Gardeners were pleased by both varieties. 'Prize Choy' showed superior seedling vigor, but the overall edge goes	Joi Choi Prize Choy	50 50	67 67	7.00 6.50
	to the hybrid 'Joi Choi' for its higher yields and more attractive plants. Both were highly susceptible to flea beetle damage.				8 sites)
4132	25. Greens, Tatsoi	Variety	Pref	Rec	Rating
	This trial was a disappointment due to poor germination. Heavy rains washed out some seedbeds. 'Tatsoi' showed superior germination and higher yields; while 'Savoy Tatsoi'	Tatsoi Tatsoi Savoy	63 38	40 20	4.10 3.33
	was more flavorful. Flea beetles were a problem.			(1	1 sites)
	26. Kohlrabi, White	Variety	Pref	Rec	Rating
1	Gardeners liked 'Winner' for its early maturity and superior	Kossak	43	75	7.14
and the second	quality. Its bulbs were more attractive and less subject to splitting; its flavor was mild and fruity. 'Kossak' had higher	Winner	57	88	8.29 9 sites)
	yields. Its larger bulbs did not get woody and were delicious.			(	9 siles)
1. P	27. Lettuce, Green Butterhead	Variety	Pref	Rec	Rating
45	Nearly everyone recommended both varieties. Gardeners	Nancy	71	88	8.13
<u> (</u>	Nearly everyone recommended both varieties. Gardeners were impressed with the productivity, taste, and heat			88 88	8.13 7.50
	Nearly everyone recommended both varieties. Gardeners	Nancy	71	88 88	8.13
	Nearly everyone recommended both varieties. Gardeners were impressed with the productivity, taste, and heat tolerance of these lettuces. The varieties were comparable	Nancy	71 29	88 88 (	8.13 7.50
	Nearly everyone recommended both varieties. Gardeners were impressed with the productivity, taste, and heat tolerance of these lettuces. The varieties were comparable in all traits with a slight, but consistent edge going to 'Nancy'. <b>28. Lettuce, Red Butterhead</b> Both varieties performed well. Gardeners enjoyed their flavor	Nancy Sylvesta Variety Merveille d.Q.S.	71 29 Pref 25	88 88 ( Rec 75	8.13 7.50 9 sites) Rating 7.50
	Nearly everyone recommended both varieties. Gardeners were impressed with the productivity, taste, and heat tolerance of these lettuces. The varieties were comparable in all traits with a slight, but consistent edge going to 'Nancy'. <b>28. Lettuce, Red Butterhead</b> Both varieties performed well. Gardeners enjoyed their flavor and resistance to bolting. Most gardeners preferred 'Red Cross' for its impressive seedling vigor, superior resistance	Nancy Sylvesta Variety	71 29 Pref	88 88 ( Rec 75 75	8.13 7.50 9 sites) Rating
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	Nearly everyone recommended both varieties. Gardeners were impressed with the productivity, taste, and heat tolerance of these lettuces. The varieties were comparable in all traits with a slight, but consistent edge going to 'Nancy'. <b>28. Lettuce, Red Butterhead</b> Both varieties performed well. Gardeners enjoyed their flavor and resistance to bolting. Most gardeners preferred 'Red Cross' for its impressive seedling vigor, superior resistance	Nancy Sylvesta Variety Merveille d.Q.S.	71 29 Pref 25	88 88 ( Rec 75 75 (	8.13 7.50 9 sites) Rating 7.50 8.25
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	31. Lettuce, Green Leaf	Variety	Pref (%)	Rec (%)	Rating (Avg.)
	Gardeners liked both varieties and were evenly split on their preferences. 'Italienischer' and 'Venetian' produced an	Italienischer Venetian	50 50	75 88	8.00 8.00
	abundance of delicious, large leaves. Neither of the varieties displayed a significant advantage over the other.				8 sites)
	32. Lettuce, Red Leaf	Variety	Pref	Rec	Rating
ALA	The vigor of 'New Red Fire' was excellent, and gardeners quickly harvested impressive yields of crisp lettuce. Every	New Red Fire Red Velvet	50 50	100 71	7.57 8.14
A Car	gardener liked it. However, half of gardeners preferred 'Red Velvet'. Its plants were more intense in color, and delicious.			(	7 sites)
	33. Lettuce, Red Oakleaf	Variety	Pref	Rec	Rating
1 Set	'Red Salad Bowl' showed good germination and strong vigor. This led to fuller stands and higher yields. Its plants were	Mascara Red Salad Bowl	17 83	33 100	5.50 7.93
690	more attractive and tasted better, too. Every gardener liked it. The seedlings of 'Mascara' struggled in the heavy rains.			(	7 sites)
and E.V.	34. Lettuce, Romaine	Variety	Pref	Rec	Rating
12	Both varieties produced good crops of flavorful lettuce. Gardeners were split on preferences. Some liked the taste	Crisp Mint Green Forest	46 54	71 64	7.85 8.00
	and extended harvest season of 'Green Forest'. Others liked the high yields, ruffled leaves, and full heads of 'Crisp Mint'.			(1	4 sites)
No. of the second secon	35. Melon, Cantaloupe	Variety	Pref	Rec	Rating
	'Athena' was a reliable producer of good tasting melons and outperformed 'Sarah's Choice' in all traits including	Athena Sarah's Choice	82 18	83 58	7.82 6.18
	earliness, yield and fruit quality. Both varieties suffered low yields due to the cool, wet spring.			(1	3 sites)
	36. Melon, Large Cantaloupe	Variety	Pref	Rec	Rating
Ser 1	The cool spring led to poor germination. Half of gardeners failed to harvest any fruits. 'Superstar' is the standard big	Solstice Superstar	67 33	50 50	6.00 6.25
Y	cantaloupe, but 'Solstice' was earlier and matched it for flavor. Most gardeners preferred 'Solstice'; data are limited.				6 sites)
	37. Melon, Galia	Variety	Pref	Rec	Rating
112	' 'Arava' vines were vigorous and produced higher yields at most sites. Its melons were attractive. 'Passport' is known	Arava Passport	60 40	60 40	6.89 6.00
	for earliness, but 'Arava' was just as early, if not earlier at most sites. The cold, wet spring reduced yields.	,		(1	0 sites)
18-0	38. Melon, Korean	Variety	Pref	Rec	Rating
1.5	'Sun Jewel' was rated superior for all traits: healthier vines, earlier maturity, more attractive melons, and better tasting.	Ginkaku Sun Jewel	11 89	13 56	3.42 6.75
1.613.1	'Ginkaku' was a disappointment. Half of our gardeners				0 sites)

	39. Okra, Red	Variety	Pref (%)	Rec (%)	Rating (Avg.)
	Most gardeners preferred 'Carmine Splendor'. They enjoyed the beauty of its blossoms and the quality of its pods. The plants of 'Red Burgundy' were healthier, more vigorous, and	Carmine Splend Red Burgundy	40 (9		6.78 6.20 in 2012
	<ul><li>produced an earlier crop. Overall yields were comparable.</li><li>40. Pea, Freezing Shell</li></ul>	Variety	and 6 Pref		n 2013) Rating
500	Both varieties were endorsed by the majority of gardeners. Most preferred 'Little Marvel'. Its small pods were packed with sweet, flavorful peas. 'Early Frosty' showed strong	Early Frosty Little Marvel	42 58	77 77	7.00 7.14
	seedling vigor, matured early, and produced high yields.			(1	4 sites)
	41. Pea, Fresh Shell	Variety	Pref	Rec	Rating
	Gardeners were impressed with the robust plants and high yields of 'Knight'. Its pods were uniform, straight and full of flavorful peas. 'Maestro Improved' produced good early crops.	Knight Maestro Impr.	59 41	75 75	7.41
	Its pods were long and its peas were delicious.			(2	6 sites)
	42. Pea, Snap	Variety	Pref	Rec	Rating
4	Both varieties grew well. 'Sugar Ann' showed superior	Cascadia	31	79	7.38
100	seedling vigor and produced good crops several days before 'Cascadia'. Most gardeners preferred the taste of 'Sugar	Sugar Ann	69	86	8.85
1	Ann'. Yields of the two varieties were comparable.			(1	5 sites)
5	43. Pea, Snow	Variety	Pref	Rec	Rating
	'Oregon Sugar Pod 2' has always done well in our trials. Its	Avalanche	31	56	6.88
1	robust vines produced impressive yields of pods that looked attractive and tasted delicious. 'Avalanche' was acceptable, but did not generate much excitement.	Oregon S.P. 2	69	75 (1	7.88 8 sites)
	44. Pepper, Green Bell	Variety	Pref	Rec	Rating
	Most gardeners were satisfied with both varieties. Gardeners liked the size and shape of 'Bell Boy' fruits. Most of its	Bell Boy New Ace	50 50	71 57	5.86 5.71
	fruits had 4 lobes and were good for stuffing. 'New Ace' produced decent yields, but most fruits had only 3 lobes.			(1	0 sites)
	45. Pepper, Gold Bell	Variety	Pref	Rec	Rating
1-14	Few gardeners participated in this trial, but both 'Flavorburst'	Flavorburst	50	100	6.00
	and 'Golden Summer' produced good crops. Their peppers were brightly colored, and our gardeners enjoyed their flavor. 'Flavorburst' showed outstanding seedling vigor.	Golden Summel	r 50	100	6.50 (3 sites)
	46. Pepper, Orange Bell	Variety	Pref	Rec	Rating
	'Orange Blaze' germinated better, showed more vigor, produced earlier, and its yields were vastly superior.	Gourmet Orange Blaze	0 100	0 100	3.67 7.60
	Although its peppers were smaller, they were brilliant orange. 'Gourmet' showed low germination, low vigor, and low yields.			(	(5 sites)



47. Pepper, Italian	Variety	Pref (%)	Rec (%)	Rating (Avg.)
Both varieties produced an abundance of peppers at most sites. Our small team of gardeners split on their preferences. Some liked the large green fruits of "Giant Marconi'; others preferred the yield and glossy red fruits of 'Jimmy Nardello's'.	Giant Marconi Jimmy Nardello':	50 s 50	75 50	6.50 6.75 4 sites)
48. Pepper, Italian Bullhorn	Variety	Pref	Rec	Rating
Plants were healthy and bore excellent crops. 'Carmen' produced an earlier crop, but most gardeners preferred 'Marcato'. Its plants were more vigorous and productive. Gardeners enjoyed its thick walled, glossy red fruits.	Carmen Marcato	25 75	75 75	6.75 7.75 4 sites)
49. Pepper, Sweet Specialty	Variety	Pref	Rec	Rating
Both 'Flamingo' and 'Gypsy' performed well at most sites. They produced loads of pale green, elongated fruits. 'Flamingo' plants were larger and more vigorous. Its fruits were more uniform in shape and sweeter in taste.	Flamingo Gypsy	67 33	67 67	8.00 7.67 (4 sites)
50. Pepper, Ancho	Variety	Pref	Rec	Rating
'Tiburon' showed excellent germination and healthy growth. It produced the first fruits and was more productive than 'Ancho Grande'. 'Ancho Grande' did not make much of an impression, good or bad, on our small team of gardeners.	Ancho Grande Tiburon	0 100	0 100	5.00 9.00 (3 sites)
51. Pepper, Cayenne	Variety	Pref	Rec	Rating
'Cheyenne' plants were tall and sturdy; its yields were very good. Our small team of gardeners was especially impressed with the size of the peppers. 'Cayenne Long Red Thin' did well, but did not excel in any trait.	Cayenne L.R.T. Cheyenne	0 100	33 100	7.33 8.33 3 sites)
52. Pepper, Jalapeno	Variety	Pref	Rec	Rating
Both varieties produced an abundance of jalapenos in our short growing season. 'Mucho Nacho' plants were healthier and produced higher yields. Its fruits were deep green, larger, and resisted cracking better.	Early Jalapeno Mucho Nacho	20 80	60 80	6.60 7.00 5 sites)
53. Pepper, Santa Fe	Variety	Pref	Rec	Rating
Our small team of gardeners was impressed with the productivity of both varieties. The plants were full of colorful fruits. 'Mariachi' showed strong seedling vigor and developed into healthy, compact plants.	Mariachi Santa Fe Grando	67 e 33	100 67	7.67 7.33 (3 sites)
54. Pumpkin, Miniature	Variety	Pref	Rec	Rating
Gardeners loved both varieties. Their vines produced an abundance of fruits. 'Munchkin' pumpkins were bright orange, ribbed, and had a flattened shape. 'Wee-B-Little' pumpkins were deep orange with a unique, globular shape.	Munchkin Wee-B-Little	50 50	83 83	8.17 8.00 6 sites)

	55. Pumpkin, Small	Variety	Pref (%)	Rec (%)	Rating (Avg.)
	Gardeners marveled at the precocious orange color and early maturity of 'Neon'. Its pumpkins were bright orange, round and uniform. 'Field Trip' pumpkins were deeper orange	Field Trip Neon	25 75	57 88	7.86 8.75 8 sites)
	and its vines showed greater tolerance to powdery mildew.		5 (		
A.	56. Pumpkin, Midsize	Variety	Pref	Rec	Rating
	'Gladiator' excelled in all traits. Its vines were healthier and produced more. Gardeners liked the uniformity and deep orange color of the fruits. The new variety 'Orange Rave' lacked vigor and was nothing to rave about.	Gladiator Orange Rave	78 22	89 33	8.00 5.88 9 sites)
100	57. Pumpkin, Large	Variety	Pref	Rec	Rating
	Both varieties produced a lot of big, nice pumpkins. 'Howden Biggie' produced slightly larger pumpkins while 'Big Doris'	Big Doris Howden Biggie	50 50	55 64	6.70 7.20
	matured earlier. Gardeners enjoyed growing large pumpkins, but modest ratings reflect satisfaction and not excitement.			(1	1 sites)
- A	58. Rutabaga	Variety	Pref	Rec	Rating
	Most gardeners were introduced to rutabaga and many did not like it. Both varieties suffered damage from maggots,	American P.T. Laurentian	56 44	63 44	6.33 5.68
	flea beetles and other pests. 'American Purple Top' was preferred for its healthier plants and milder flavor of its roots.				in 2012 n 2013)
Suite -	59. Spinach, Savoy Leaf	Variety	Pref	Rec	Rating
	Neither of the varieties was clearly better. In 2012, most gardeners preferred 'Donkey' for its darker green leaves and full flavor. In 2013, the germination of 'Donkey' dropped off,	Donkey Tyee	51 49	73 69	7.22 7.02
	and 'Tyee' was preferred for its productivity and mild flavor.	ć			in 2012 n 2013)
	60. Spinach, Smooth Leaf	Variety	Pref	Rec	Rating
	Both varieties grew well and showed good resistance to bolting. 'Olympia' was more productive and its yields were more consistent from site to site. 'Pigeon' was praised by	Olympia Pigeon	50 50	71 65	7.59 6.47
a sur to	some gardeners for its thick, more flavorful leaves.			(1	9 sites)
	61. Squash, Green Zucchini	Variety	Pref	Rec	Rating
M	Both varieties grew well. 'Spineless Beauty' was preferred for its early maturity, good yields of attractive fruits, and healthy, spineless vines. Every gardener liked it. 'Zucchini	Spineless Beau Zucchini Elite	ity 80 20	100 83	7.67 6.83 8 sites)
	Elite' is a fine variety, but does not excel for any trait.				
Not I	62. Squash, Green Stripe Zucchini	Variety	Pref	Rec	Rating
	'Green Tiger' germinated better, grew faster and stronger, produced earlier, produced higher yields, and had straighter fruits. 'Safari' could match it for taste, but nothing else.	Green Tiger Safari	80 20	80 60	8.40 6.80 5 sites)
	Gardeners showed a lot of enthusiasm for this trial.				0 0100)

(- D)-	63. Squash, Yellow Zucchini	Variety	Pref (%)	Rec (%)	Rating (Avg.)
3ª	New variety 'Easypick Gold' outshined the standard 'Gold Rush'. Our small team liked the glossy, deep yellow color	Easypick Gold Gold Rush	100 0	100 33	7.33 5.33
	and tenderness of the fruits. Its vines produced more fruits and its open, nearly spineless habit made it easy to pick.			(	3 sites)
	64. Swiss Chard, Pink	Variety	Pref	Rec	Rating
	Both varieties performed well. 'Peppermint' got off to a strong start and was very healthy. Many gardeners preferred its multicolored stalks and crinkly leaves; others liked the smoother leaves and productivity of 'Magenta Sunset'.	Magenta Sunset Peppermint	50 50	71 86 (	7.43 7.71 8 sites)
	65. Tomato, Bush	Variety	Pref	Rec	Rating
1	Gardeners gave high ratings to both varieties. Most preferred	Better Bush	40	60	7.60
	'Bush Early Girl II'. It was earlier at most sites and a heavy producer. Every gardener liked it. 'Better Bush' had sturdier vines that produced larger, more attractive tomatoes.	Bush Early Girl I	/ 60	100 (	8.40 5 sites)
R XI	66. Tomato, Early	Variety	Pref	Rec	Rating
9.	'Stupice' vines got off to a strong start and produced good crops of tomatoes early in the season. Its fruits were juicy	Siberian Stupice	20 80	50 75	4.75 7.50
N.	and tasted better than those of 'Siberian'. The fruits of 'Siberian' ripened later but were larger and more attractive.			(	6 sites)
Arr L	67. Tomato, Main Season	Variety	Pref	Rec	Rating
Ar a	Our small team of gardeners liked both varieties. Most	Celebrity	33	67	7.33
				67 67	
	Our small team of gardeners liked both varieties. Most gardeners preferred 'Mountain Fresh Plus', primarily for the looks of its big, bright red tomatoes. Gardeners noted the	Celebrity	33 67	67 67 (	7.33 8.00
	Our small team of gardeners liked both varieties. Most gardeners preferred 'Mountain Fresh Plus', primarily for the looks of its big, bright red tomatoes. Gardeners noted the early maturity and good yields of 'Celebrity'. <b>68. Tomato, Black</b> Our small team was disappointed with both varieties. Seedlings lacked vigor, yields were poor, and the flavor was	Celebrity Mtn. Fresh Plus	33 67	67 67 (	7.33 8.00 5 sites)
	Our small team of gardeners liked both varieties. Most gardeners preferred 'Mountain Fresh Plus', primarily for the looks of its big, bright red tomatoes. Gardeners noted the early maturity and good yields of 'Celebrity'. <b>68. Tomato, Black</b> Our small team was disappointed with both varieties.	Celebrity Mtn. Fresh Plus Variety Black Prince	33 67 Pref 50	67 67 ( Rec 0 0	7.33 8.00 5 sites) Rating 3.50
	Our small team of gardeners liked both varieties. Most gardeners preferred 'Mountain Fresh Plus', primarily for the looks of its big, bright red tomatoes. Gardeners noted the early maturity and good yields of 'Celebrity'. <b>68. Tomato, Black</b> Our small team was disappointed with both varieties. Seedlings lacked vigor, yields were poor, and the flavor was fair at best. None of researchers could recommend either	Celebrity Mtn. Fresh Plus Variety Black Prince	33 67 Pref 50	67 67 ( Rec 0 0	7.33 8.00 5 sites) Rating 3.50 4.00
	Our small team of gardeners liked both varieties. Most gardeners preferred 'Mountain Fresh Plus', primarily for the looks of its big, bright red tomatoes. Gardeners noted the early maturity and good yields of 'Celebrity'. <b>68. Tomato, Black</b> Our small team was disappointed with both varieties. Seedlings lacked vigor, yields were poor, and the flavor was fair at best. None of researchers could recommend either of these varieties. <b>69. Tomato, Canning</b> A cool spring, transplant shock, and hailstorms damaged several sites. Few, if any conclusions can be drawn, but	Celebrity Mtn. Fresh Plus Variety Black Prince Indigo Rose	33 67 Pref 50 50	67 67 ( Rec 0 0 ( Rec 100 50	7.33 8.00 5 sites) Rating 3.50 4.00 3 sites) Rating 8.00 7.00
	Our small team of gardeners liked both varieties. Most gardeners preferred 'Mountain Fresh Plus', primarily for the looks of its big, bright red tomatoes. Gardeners noted the early maturity and good yields of 'Celebrity'. <b>68. Tomato, Black</b> Our small team was disappointed with both varieties. Seedlings lacked vigor, yields were poor, and the flavor was fair at best. None of researchers could recommend either of these varieties. <b>69. Tomato, Canning</b> A cool spring, transplant shock, and hailstorms damaged	Celebrity Mtn. Fresh Plus Variety Black Prince Indigo Rose Variety Roma VF	33 67 Pref 50 50 Pref 100	67 67 ( Rec 0 0 ( Rec 100 50	7.33 8.00 5 sites) Rating 3.50 4.00 3 sites) Rating 8.00
	Our small team of gardeners liked both varieties. Most gardeners preferred 'Mountain Fresh Plus', primarily for the looks of its big, bright red tomatoes. Gardeners noted the early maturity and good yields of 'Celebrity'. <b>68. Tomato, Black</b> Our small team was disappointed with both varieties. Seedlings lacked vigor, yields were poor, and the flavor was fair at best. None of researchers could recommend either of these varieties. <b>69. Tomato, Canning</b> A cool spring, transplant shock, and hailstorms damaged several sites. Few, if any conclusions can be drawn, but 'Roma VF' was the preferred choice among our small team	Celebrity Mtn. Fresh Plus Variety Black Prince Indigo Rose Variety Roma VF	33 67 Pref 50 50 Pref 100 0	67 67 ( Rec 0 0 ( Rec 100 50	7.33 8.00 5 sites) Rating 3.50 4.00 3 sites) Rating 8.00 7.00
	Our small team of gardeners liked both varieties. Most gardeners preferred 'Mountain Fresh Plus', primarily for the looks of its big, bright red tomatoes. Gardeners noted the early maturity and good yields of 'Celebrity'. <b>68. Tomato, Black</b> Our small team was disappointed with both varieties. Seedlings lacked vigor, yields were poor, and the flavor was fair at best. None of researchers could recommend either of these varieties. <b>69. Tomato, Canning</b> A cool spring, transplant shock, and hailstorms damaged several sites. Few, if any conclusions can be drawn, but 'Roma VF' was the preferred choice among our small team of gardeners. They liked its yield and the quality of its fruits.	Celebrity Mtn. Fresh Plus Variety Black Prince Indigo Rose Variety Variety Roma VF Viva Italia	33 67 Pref 50 50 Pref 100 0 Pref	67 67 ( Rec 100 50 ( Rec 70 70 70	7.33 8.00 5 sites) Rating 3.50 4.00 3 sites) Rating 8.00 7.00 5 sites)

	71 Wedenne dan Dadhaakan	Mariata			Rating
	71. Watermelon, Red Icebox Both 'Blacktail Mountain' and 'Sugar Baby' struggled to get established in the cool, wet spring. 'Sugar Baby' was	Variety Blacktail Mtn. Sugar Baby	(%) 0 100	(%) 0 33	(Avg.) 2.00 5.00
	more reliable and produced a few melons. Most gardeners did not recommend either variety.			(	(5 sites)
	72. Watermelon, Yellow Icebox	Variety	Pref	Rec	Rating
1	'Early Moonbeam' vines were more vigorous and produced ripe watermelons earlier than 'Yellow Doll'. It produced more melons, too. 'Yellow Doll' struggled in the cool, wet spring.	Early Moonbeam Yellow Doll	100 n 0	75 20	7.80 5.40 (6 sites)
	Its melons were fewer in number but sweeter in taste.			(	0 0100)
SAV	73. Basil, Italian	Variety	Pref	Rec	Rating
J. S.	'Genovese' was preferred 2 to 1 among members of our small team of gardeners. All gardeners recommended it.	Genovese Nufar	67 33	100 33	7.33 6.00
2 de	The performance of 'Genovese' matched if not exceeded that of 'Nufar' for all yield and quality traits.				(4 sites)
			- (	_	
	74. Basil, Lemon	Variety	Pref	Rec	Rating
and a	Gardeners loved both varieties, which rated similarly for health, yield and flavor. Most gardeners preferred 'Sweet	Mrs. Burns Sweet Dani	35 65	76 87	8.00 8.37
	Dani'. It showed superior seedling vigor and rapid growth. The bright green leaves of 'Mrs. Burns' were very attractive.				in 2012 in 2013)
	75. Basil, Purple	Variety	Pref	Rec	Rating
Salar and S					
	'Amethyst Improved' was healthier and more beautiful than	Amethyst Impr.	100	100	9.00
	· · · · · · · · · · · · · · · · · · ·			100 50	
	'Amethyst Improved' was healthier and more beautiful than 'Purple Ruffles'. The color was more uniform and shiny. Gardeners preferred its true Genovese taste, too. Data for	Amethyst Impr.	100 0	100 50	9.00 6.00
	'Amethyst Improved' was healthier and more beautiful than 'Purple Ruffles'. The color was more uniform and shiny. Gardeners preferred its true Genovese taste, too. Data for this trial are limited as heavy rains washed out a few sites.	Amethyst Impr. Purple Ruffles	100 0	100 50	9.00 6.00 (5 sites) Rating 8.10
	<ul> <li>'Amethyst Improved' was healthier and more beautiful than 'Purple Ruffles'. The color was more uniform and shiny. Gardeners preferred its true Genovese taste, too. Data for this trial are limited as heavy rains washed out a few sites.</li> <li><b>76. Cilantro</b></li> <li>'Caribe' plants were healthier, more robust, and full of</li> </ul>	Amethyst Impr. Purple Ruffles Variety Caribe	100 0 Pref 90	100 50 ( Rec 90 50	9.00 6.00 (5 sites) Rating
	<ul> <li>'Amethyst Improved' was healthier and more beautiful than 'Purple Ruffles'. The color was more uniform and shiny. Gardeners preferred its true Genovese taste, too. Data for this trial are limited as heavy rains washed out a few sites.</li> <li><b>76. Cilantro</b></li> <li>'Caribe' plants were healthier, more robust, and full of attractive, flavorful leaves. 'Confetti' is nothing more than a novelty. It lacks vigor and flavor. Even as a novelty it flops</li> </ul>	Amethyst Impr. Purple Ruffles Variety Caribe	100 0 Pref 90	100 50 ( Rec 90 50 (1	9.00 6.00 (5 sites) Rating 8.10 5.30
	<ul> <li>'Amethyst Improved' was healthier and more beautiful than 'Purple Ruffles'. The color was more uniform and shiny. Gardeners preferred its true Genovese taste, too. Data for this trial are limited as heavy rains washed out a few sites.</li> <li><b>76. Cilantro</b></li> <li>'Caribe' plants were healthier, more robust, and full of attractive, flavorful leaves. 'Confetti' is nothing more than a novelty. It lacks vigor and flavor. Even as a novelty it flops since its unique quality—its frilly leaf shape—was not liked.</li> </ul>	Amethyst Impr. Purple Ruffles Variety Caribe Confetti	100 0 Pref 90 10	100 50 ( Rec 90 50 (1	9.00 6.00 (5 sites) Rating 8.10 5.30 0 sites)
	<ul> <li>'Amethyst Improved' was healthier and more beautiful than 'Purple Ruffles'. The color was more uniform and shiny. Gardeners preferred its true Genovese taste, too. Data for this trial are limited as heavy rains washed out a few sites.</li> <li><b>76. Cilantro</b></li> <li>'Caribe' plants were healthier, more robust, and full of attractive, flavorful leaves. 'Confetti' is nothing more than a novelty. It lacks vigor and flavor. Even as a novelty it flops since its unique quality—its frilly leaf shape—was not liked.</li> <li><b>77. Parsley</b></li> <li>Most gardeners preferred 'Giant of Italy' for its larger leaves,</li> </ul>	Amethyst Impr. Purple Ruffles Variety Caribe Confetti Variety Giant of Italy	100 0 Pref 90 10 Pref 67	100 50 ( Rec 90 50 (1 Rec 63 38	9.00 6.00 (5 sites) Rating 8.10 5.30 0 sites) Rating 6.88
	<ul> <li>'Amethyst Improved' was healthier and more beautiful than 'Purple Ruffles'. The color was more uniform and shiny. Gardeners preferred its true Genovese taste, too. Data for this trial are limited as heavy rains washed out a few sites.</li> <li><b>76. Cilantro</b></li> <li>'Caribe' plants were healthier, more robust, and full of attractive, flavorful leaves. 'Confetti' is nothing more than a novelty. It lacks vigor and flavor. Even as a novelty it flops since its unique quality—its frilly leaf shape—was not liked.</li> <li><b>77. Parsley</b></li> <li>Most gardeners preferred 'Giant of Italy' for its larger leaves, early season vigor, and overall health. Some gardeners noted the mild, sweet flavor of 'Titan'. Parsley seeds were slow to</li> </ul>	Amethyst Impr. Purple Ruffles Variety Caribe Confetti Variety Giant of Italy	100 0 Pref 90 10 Pref 67	100 50 ( Rec 90 50 (1 Rec 63 38 (1	9.00 6.00 (5 sites) Rating 8.10 5.30 0 sites) Rating 6.88 6.75
	<ul> <li>'Amethyst Improved' was healthier and more beautiful than 'Purple Ruffles'. The color was more uniform and shiny. Gardeners preferred its true Genovese taste, too. Data for this trial are limited as heavy rains washed out a few sites.</li> <li><b>76. Cilantro</b></li> <li>'Caribe' plants were healthier, more robust, and full of attractive, flavorful leaves. 'Confetti' is nothing more than a novelty. It lacks vigor and flavor. Even as a novelty it flops since its unique quality—its frilly leaf shape—was not liked.</li> <li><b>77. Parsley</b></li> <li>Most gardeners preferred 'Giant of Italy' for its larger leaves, early season vigor, and overall health. Some gardeners noted the mild, sweet flavor of 'Titan'. Parsley seeds were slow to germinate and stands suffered due to the cool, wet spring.</li> </ul>	Amethyst Impr. Purple Ruffles Variety Caribe Confetti Variety Giant of Italy Titan	100 0 Pref 90 10 Pref 67 33 Pref	100 50 ( Rec 90 50 (1 Rec 63 38 (1	9.00 6.00 (5 sites) (5 sites) (5 sites) 8.10 5.30 0 sites) Rating 6.88 6.75 0 sites)

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79. Cosmos, Sulphur	Variety	Pref (%)	Rec (%)	Rating (Avg.)
Gardeners loved both varieties. 'Bright Lights' bloomed earlier at most sites; its shrubby plants were adorned with gold and orange flowers. 'Diablo' had a more compact habit and was covered with eye-catching scarlet-orange blooms.	Bright Lights Diablo	50 50	83 83 (1	7.92 8.00 2 sites
80. Sunflower, Dwarf	Variety	Pref	Rec	Rating
'Firecracker' was more vigorous, bloomed earlier, and produced more flowers. It was more attractive. Most gardeners liked the subtle yellow shades of 'Music Box',	Firecracker Music Box	80 20	100 70	8.50 6.90
but preferred the bold red and gold bursts of 'Firecracker'.			(1	3 sites
81. Sunflower, Gold Cutting	Variety	Pref	Rec	Rating
These single-stem varieties were developed for cut flower production, and gardeners liked both. Overall, the edge went	ProCut Gold	67	100	7.75
to 'ProCut Gold' for its remarkable earliness, plant vigor, and uniformity of flower.	Sunrich Gold	33	75	6.50 (4 sites
82. Sunflower, Orange	Variety	Pref	Rec	Rating
Soraya' was healthier, bloomed earlier, and was more free	Sonja	0	33	4.33
flowering. It received high ratings and unanimous approval from our small team of gardeners. The blooms of the shorter- stalked 'Sonja' could not match the radiance of 'Soraya'.	Soraya	100	100	8.67 (3 sites
83. Sunflower, Double Petal	Variety	Pref	Rec	Ratin
Greenburst' showed strong seedling vigor, sturdy multi-	Double Quick O		63	5.63
stemmed stalks, and healthy plants. It bloomed earlier and prolifically. 'Double Quick Orange' had an attractive bloom and its single-stem habit made it suited for cut flowers.	Greenburst	75	88	8.00 (9 sites
84. Wheat, Ornamental	Variety	Pref	Rec	Ratin
Gardeners were charmed by the understated beauty of	Black Tip	44	60	5.50
wheat. Many were fascinated by the unique blue heads and black beards of 'Utrecht Blue'. 'Black Tip', with its white heads and black beards, grew easily and bloomed earlier.	Utrecht Blue	56	78	7.00 (9 sites
85. Zinnia, Coral	Variety	Pref	Rec	Ratin
Gardeners liked both varieties. The petal colors of 'Benary's	Benary's G. Cora		86	8.21
Giant Coral' were true and bright; its flowers were big and plentiful; and its flower stems were sturdy. 'Senora' matched it in many ways, but its blooms were less brilliant.	Senora	40	79	7.36 (9 sites
86. Zinnia, Cutting	Variety	Pref	Rec	Ratin
Oklahoma Mix' and 'Sunbow Mix' produced an abundance of bright, colorful flowers for bouquets. 'Oklahoma Mix'	Oklahoma Mix Sunbow Mix	78 22	100 74	8.42 7.21
matched or exceeded 'Sunbow Mix' in all traits, including plant health, earliness, abundance of blooms, and beauty.			(2	0 sites

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