



United States Department of Agriculture

Research, Education, and Economics
Agricultural Research Service

September 22, 2022

Subject: USDA-UW Carrot Trials

To: Trial Participants

From: Phil Simon

The results of the 2022 USDA-UW Carrot Trials from our crop in Hancock are attached, along with your score sheet.

Note that two lists of results are enclosed - one by Field Number and one by Rank.

We were pleased to receive the evaluations of judges who were able to attend. We are very grateful to Paul Miller Farms for their cooperation and excellent assistance. Their help and your participation are greatly appreciated. Thank you.



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Midwest Area

An Equal Opportunity Employer

USDA Wisconsin Carrot Trials 2022

Entry	Pedigree or Name	Source	Number of Judges Placing in Class					Mean ¹	Rank
			1	2	3	4	5		
Entries Listed by Field Number									
B201	UpperCut	Nunhems		1	5	7	1	3.57	std
B202	Propeel	Seminis		4	7	2		2.85	std
B203	Imperial Cuts	Integra		2.5	6	3.5	1	3.23	std
B204	HighCut	Nunhems	1	7	6.5	1	0.5	2.56	24
B205	PV5304	Bolthouse			7	9		3.56	5
B206	(L1408A×L7553B) X L2575B	19'948-6		5	6	5		3.00	17
B207	Cut&Peel #3	Grimmway		1	2.5	7.5	5	4.03	1
B208	Crispycut	Bolthouse		3	9	4		3.06	11
B209	Cut&Peel #2	Grimmway			5.5	6	4.5	3.94	2
B210	Cut&Peel #5	Grimmway	1	3	6	6		3.06	12
B211	(L2574XL1408) X L7553B	19'B109-3		2.5	7.5	5	1	3.28	8
B212	SVDC4193	Seminis	2.5	9	2.5	2		2.25	32
B213	(L1408 x L7553) X L1408	19'S1433-3	1	5	8	1.5	0.5	2.72	23
B214	ReadyCut	Nunhems	4	3.5	3.5	3		2.39	30
B215	(7551 × 1131) × 9785	14'475-3	1	5.5	6	3.5		2.75	21
B216	(L1408A×L7553B) X L9884B	19'918-6	8	3	3.5	0.5		1.77	34
B217	(SC × 9788) × 4622	13'363-5	1	6.5	1.5	7		2.91	20
B218	Pittsburg	Bejo	0.5	3.5	4	5.5	2.5	3.38	7
B219	SVDC 1978	Bolthouse	3	4	6	3		2.56	25
B220	CR1706	Bolthouse	1	1	4.5	6.5	3	3.59	4
B221	(L1406A × L0567B)×L7553B	17'763-4							
B222	(L1408A × L9793B)×L7553B	17'763-3							
B223	Cut&Peel #4	Grimmway	1	3.5	6	5.5		3.00	18
B224	Olancha	Pop Vriend	1	5	3.5	4.5	2	3.09	10
B225	3185	Bejo		8	5	2	1	2.75	22
B226	(9256 × 7551) × 4622	13'363-4		9	7			2.44	28
B227	(L9793A×L9885B)×Nbh2306B ☆	21'125-5	5		2			1.57	
B228	PV5656	Pop Vriend		2	13	0.5	1	3.03	15
B229	CrispyCut	Nunhems		1	7.5	7.5		3.41	6
B230	3186	Bejo		1	6.5	5.5	3	3.66	3
B231	(L2574AxL1408B) X L9885B	19'919-6	6	1	3	1	2	2.38	31
B232	(L1408A×L9785B)×Nbh2306B ☆	21'125-3	8	5	1	2		1.81	33
B233	Pontiac	Bejo		3.5	8.5	3.5	0.5	3.06	13
B234	SVDC1978	Seminis		4	9	3		2.94	19
B235	SVDC2089	Seminis	1	3.5	5	6.5		3.06	14
B236	Cut&Peel #1	Grimmway	1	6	8	1		2.56	26
B237	PV5311	Pop Vriend	1	9	4	2		2.44	29
B238	UpperCut	Bolthouse		3.5	8.5	4		3.03	16
B239	PS 1441	Seminis		7.5	8	0.5		2.56	27
B240	HoneySnax	Nunhems		2.5	7	6.5		3.25	9
Average Score								2.91	

¹ Mean based on average of 16 judges: 1 = unacceptable, 2 = poor, 3 = fair, 4 = good, 5 = excellent.

A ☆ indicates that at least one parent is a nematode resistant line

USDA Wisconsin Carrot Trials 2022

Entry	Pedigree or Name	Source	Number of Judges Placing in Class					Mean ¹	Rank
			1	2	3	4	5		
Entries Listed by Rank									
B207	Cut&Peel #3	Grimmway		1	2.5	7.5	5	4.03	1
B209	Cut&Peel #2	Grimmway			5.5	6	4.5	3.94	2
B230	3186	Bejo		1	6.5	5.5	3	3.66	3
B220	CR1706	Bolthouse	1	1	4.5	6.5	3	3.59	4
B205	PV5304	Bolthouse			7	9		3.56	5
B229	CrispyCut	Nunhems		1	7.5	7.5		3.41	6
B218	Pittsburg	Bejo	0.5	3.5	4	5.5	2.5	3.38	7
B211	(L2574XL1408) X L7553B	19'B109-3		2.5	7.5	5	1	3.28	8
B240	HoneySnax	Nunhems		2.5	7	6.5		3.25	9
B224	Olancha	Pop Vriend	1	5	3.5	4.5	2	3.09	10
B208	Crispycut	Bolthouse		3	9	4		3.06	11
B210	Cut&Peel #5	Grimmway	1	3	6	6		3.06	12
B233	Pontiac	Bejo		3.5	8.5	3.5	0.5	3.06	13
B235	SVDC2089	Seminis	1	3.5	5	6.5		3.06	14
B228	PV5656	Pop Vriend		2	13	0.5	1	3.03	15
B238	UpperCut	Bolthouse		3.5	8.5	4		3.03	16
B206	(L1408A×L7553B) X L2575B	19'948-6		5	6	5		3.00	17
B223	Cut&Peel #4	Grimmway	1	3.5	6	5.5		3.00	18
B234	SVDC1978	Seminis		4	9	3		2.94	19
B217	(SC × 9788) × 4622	13'363-5	1	6.5	1.5	7		2.91	20
B215	(7551 × 1131) × 9785	14'475-3	1	5.5	6	3.5		2.75	21
B225	3185	Bejo		8	5	2	1	2.75	22
B213	(L1408 x L7553) X L1408	19'S1433-3	1	5	8	1.5	0.5	2.72	23
B204	HighCut	Nunhems	1	7	6.5	1	0.5	2.56	24
B219	SVDC 1978	Bolthouse	3	4	6	3		2.56	25
B236	Cut&Peel #1	Grimmway	1	6	8	1		2.56	26
B239	PS 1441	Seminis		7.5	8	0.5		2.56	27
B226	(9256 × 7551) × 4622	13'363-4		9	7			2.44	28
B237	PV5311	Pop Vriend	1	9	4	2		2.44	29
B214	ReadyCut	Nunhems	4	3.5	3.5	3		2.39	30
B231	(L2574AxL1408B) X L9885B	19'919-6	6	1	3	1	2	2.38	31
B212	SVDC4193	Seminis	2.5	9	2.5	2		2.25	32
B232	(L1408A×L9785B)×Nbh2306B ☆	21'125-3	8	5	1	2		1.81	33
B216	(L1408A×L7553B) X L9884B	19'918-6	8	3	3.5	0.5		1.77	34
B201	UpperCut	Nunhems		1	5	7	1	3.57	std
B202	Propeel	Seminis		4	7	2		2.85	std
B203	Imperial Cuts	Integra		2.5	6	3.5	1	3.23	std
B221	(L1406A × L0567B)×L7553B	17'763-4							
B222	(L1408A × L9793B)×L7553B	17'763-3							
B227	(L9793A×L9885B)×Nbh2306B ☆	21'125-5	5		2			1.57	
Average Score								2.91	

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Entry	Pedigree or Name	Source	Number of Judges Placing in Class					Mean ¹	Rank
			1	2	3	4	5		
Entries Listed by Field Number									
C201	Maverick	Nunhems		5.5	6	3.5	1	3.00	std
C202	Istanbul	Bejo	1	5	5	5	1	3.00	17
C203	Jacinto	Pop Vriend	1	8.5	5.5	2		2.50	23
C204	Cello #5	Grimmway	1	2	3.5	7.5	3	3.56	7
C205	Volcano	Vilmorin		4	7.5	5.5		3.09	14
C206	Bull Dog	Nunhems	2.5	8	6.5			2.24	29
C207	Rebel	Bolthouse	1	6.5	7.5	2		2.62	21
C208	(B2144 × Nb2159) × F7738 ☆	20'043-8		1	4	8	4	3.88	3
C209	(Uber-A × F7738) × F9924	20'044-6		3	4	9	1	3.47	8
C210	Cello #2	Grimmway		1.5	5.5	8	2	3.62	5
C211	(U7393×F9924)×Nb2159 ☆	21'103-3	9	6	2			1.59	34
C212	SV2384DL	Seminis		4	7	6		3.12	12
C213	Orangeblaze	Bolthouse	1	7	9			2.47	25
C214	Maverick	Nunhems		1	6	9	1	3.59	6
C215	(7808 × 9304) × 6526 ☆	13'349-6			3	7	7	4.24	1
C216	Jefferson	Bejo		2	3.5	8.5	3	3.74	4
C217	Cello #4	Grimmway			4.5	4	8.5	4.24	2
C218	(2566A×F7737B)×Nb2159 ☆	21'103-5	2	5.5	9.5			2.44	28
C219	Cello #1	Grimmway	1	7	9			2.47	26
C220	SV4128DL	Seminis	1	7.5	7.5	1		2.50	24
C221	Cello #3	Grimmway	4	8	4	1		2.12	30
C222	TrophyPak	Nunhems	8	7.5	1.5			1.62	33
C223	Speedo	Vilmorin	9	3	4	1		1.82	32
C224	(Nb2159×F3513)×C1545B ☆	21'178-3		2	7	6	2	3.47	9
C225	Siroco	Vilmorin		4.5	7.5	4	1	3.09	15
C226	Bulldog	Bolthouse		7.5	7.5	2		2.68	20
C227	Orangeblaze	Seminis		2	8	5	2	3.41	10
C228	Trooper	Bolthouse		6	8	3		2.82	19
C229	SV2214DL	Seminis	0.5	3.5	9	3.5	0.5	3.00	18
C230	(U7393×F9924)×F5367	21'105-3	2	2	5.5	7	0.5	3.12	13
C231	Bj3187	Bejo		8.5	6.5	2		2.62	22
C232	(2566A×F7738B)×Nb2159 ☆	21'103-6	1.5	1.5	9	5		3.03	16
C233	(B2144 × F5367) × C0466	20'061-2	2	7	6	2		2.47	27
C234	(9304A×F7738B) × F7738B	18'B112-8	1	2	5	7	2	3.41	11
C235	Trophypak	Bolthouse	3	11	3			2.00	31
Average Score								2.92	

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Entry	Pedigree or Name	Source	Number of Judges Placing in Class					Mean ¹	Rank
			1	2	3	4	5		
Entries Listed by Rank									
C215	(7808 × 9304) × 6526 ☆	13'349-6			3	7	7	4.24	1
C217	Cello #4	Grimmway			4.5	4	8.5	4.24	2
C208	(B2144 × Nb2159) × F7738 ☆	20'043-8		1	4	8	4	3.88	3
C216	Jefferson	Bejo		2	3.5	8.5	3	3.74	4
C210	Cello #2	Grimmway		1.5	5.5	8	2	3.62	5
C214	Maverick	Nunhems		1	6	9	1	3.59	6
C204	Cello #5	Grimmway	1	2	3.5	7.5	3	3.56	7
C209	(Uber-A × F7738) × F9924	20'044-6		3	4	9	1	3.47	8
C224	(Nb2159×F3513)×C1545B ☆	21'178-3		2	7	6	2	3.47	9
C227	Orangeblaze	Seminis		2	8	5	2	3.41	10
C234	(9304A×F7738B) × F7738B	18'B112-8	1	2	5	7	2	3.41	11
C212	SV2384DL	Seminis		4	7	6		3.12	12
C230	(U7393×F9924)×F5367	21'105-3	2	2	5.5	7	0.5	3.12	13
C205	Volcano	Vilmorin		4	7.5	5.5		3.09	14
C225	Siroco	Vilmorin		4.5	7.5	4	1	3.09	15
C232	(2566A×F7738B)×Nb2159 ☆	21'103-6	1.5	1.5	9	5		3.03	16
C202	Istanbul	Bejo	1	5	5	5	1	3.00	17
C229	SV2214DL	Seminis	0.5	3.5	9	3.5	0.5	3.00	18
C228	Trooper	Bolthouse		6	8	3		2.82	19
C226	Bulldog	Bolthouse		7.5	7.5	2		2.68	20
C207	Rebel	Bolthouse	1	6.5	7.5	2		2.62	21
C231	Bj3187	Bejo		8.5	6.5	2		2.62	22
C203	Jacinto	Pop Vriend	1	8.5	5.5	2		2.50	23
C220	SV4128DL	Seminis	1	7.5	7.5	1		2.50	24
C213	Orangeblaze	Bolthouse	1	7	9			2.47	25
C219	Cello #1	Grimmway	1	7	9			2.47	26
C233	(B2144 × F5367) × C0466	20'061-2	2	7	6	2		2.47	27
C218	(2566A×F7737B)×Nb2159 ☆	21'103-5	2	5.5	9.5			2.44	28
C206	Bull Dog	Nunhems	2.5	8	6.5			2.24	29
C221	Cello #3	Grimmway	4	8	4	1		2.12	30
C235	Trophypak	Bolthouse	3	11	3			2.00	31
C223	Speedo	Vilmorin	9	3	4	1		1.82	32
C222	TrophyPak	Nunhems	8	7.5	1.5			1.62	33
C211	(U7393×F9924)×Nb2159 ☆	21'103-3	9	6	2			1.59	34
C201	Maverick	Nunhems		5.5	6	3.5	1	3.00	std
Average Score								2.92	

¹ Mean based on average of 17 judges: 1 = unacceptable, 2 = poor, 3 = fair, 4 = good, 5 = excellent.

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USDA Wisconsin Carrot Trials 2022

Entry	Pedigree or Name	Source	Number of Judges Placing in Class					Mean ¹	Rank
			1	2	3	4	5		
Entries Listed by Field Number									
N201	Novelty #3	Grimmway	3		4	5	5	3.53	5
N202	Novelty #1	Grimmway		5	7	4	1	3.06	10
N203	JSS 109	Johnny's Selecte	2	5	3	5	2	3.00	12
N204	JSS 226	Johnny's Selecte	1	3	8	5		3.00	13
N205	Crofton	Rijk Zwaan	1	9	4	2	1	2.59	20
N206	Brillyance	Nunhems		5	6.5	5.5		3.03	11
N207	Novelty #2	Grimmway		2	9	6		3.24	8
N208	JSS 116	Johnny's Selecte		8.5	8.5			2.50	22
N209	Hestan	Rijk Zwaan		1	6	6	4	3.76	3
N210	Allyance	Nunhems	2	6	9			2.41	25
N211	Eliis	Rijk Zwaan		5	8.5	2.5	1	2.97	14
N212	Jerada	Rijk Zwaan	1	11	4	1		2.29	30
N213	Ymer	Rijk Zwaan	4	7	5	1		2.18	34
N214	PV5457	Pop Vriend	3	5	8	1		2.41	26
N215	Bryce	Pop Vriend	5	7	5			2.00	35
N216	PV5455	Pop Vriend	2	8	6.5	0.5		2.32	28
N217	PV5550	Pop Vriend	1	8	7	1		2.47	23
N218	Novelty #4	Grimmway	2	9	5	1		2.29	31
N219	(P8438A×P6279B)×P6423B	21'108-4	6.5	7.5	3			1.79	36
N220	Deep Purple	Bejo	2	5.5	8	1.5		2.53	21
N221	(P8438A×P6279B)×P1732B	21'115-5	2		4	8.5	2.5	3.56	4
N222	(P8438A×P6279B)×P8390B	21'114-5		1	4	4.5		4.09	1
N223	JSS 131	Johnny's Selecte	3	7	7			2.24	32
N224	Rainbow	Bejo	1	4	4	8		3.12	9
N225	Novelty #5	Grimmway		4.5	11	1.5		2.82	15
N226	Malbec	Seminis		2	3	8	4	3.82	2
N227	(R6304A×R7361B)×R4294	21'132-5	1		1			2.00	
N228	Redsun	Bejo	2	9.5	3.5	2		2.32	29
N229	(R6220×R5647)×R5646B	21'116-3	1					1.00	
N230	(R0148A×R5647B) X R6304B	19'9B5-5	4	3	9	1		2.41	27
N231	(W2383A×W9381B)×Y8519B	21'140-5	1	2	7	5	2	3.29	7
N232	(Y1246A×Y7316B)×Y1246B	21'142-3	4	4	3.5	1.5		2.19	33
N233	Mello Yello	Bejo	1	6	5	5		2.82	16
N234	YellowBunch	Nunhems	1	7	5.5	3.5		2.68	19
N235	Yellowstone	Bejo	1	4	9	3		2.82	17
N236	(Y6364A×W6348B)×Y5665	21'137-3			1	0.5	0.5	3.75	
N237	Yellow Moon	Bejo	2	2	3.5	6.5	3	3.38	6
N238	CreamPak	Nunhems	1	5	7	4		2.82	18
N239	Snow Man	Nunhems	3	7	3.5	3.5		2.44	24
N240	(W2383A×W9381B)×W6422	21'145-4	8	5.5	1.5			1.57	37
Average Score								2.71	

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Entry	Pedigree or Name	Source	Number of Judges Placing in Class					Mean ¹	Rank
			1	2	3	4	5		
Entries Listed by Rank									
N222	(P8438A×P6279B)×P8390B	21'114-5		1	4	4.5		4.09	1
N226	Malbec	Seminis		2	3	8	4	3.82	2
N209	Hestan	Rijk Zwaan		1	6	6	4	3.76	3
N221	(P8438A×P6279B)×P1732B	21'115-5	2		4	8.5	2.5	3.56	4
N201	Novelty #3	Grimmway	3		4	5	5	3.53	5
N237	Yellow Moon	Bejo	2	2	3.5	6.5	3	3.38	6
N231	(W2383A×W9381B)×Y8519B	21'140-5	1	2	7	5	2	3.29	7
N207	Novelty #2	Grimmway		2	9	6		3.24	8
N224	Rainbow	Bejo	1	4	4	8		3.12	9
N202	Novelty #1	Grimmway		5	7	4	1	3.06	10
N206	Brillyance	Nunhems		5	6.5	5.5		3.03	11
N203	JSS 109	Johnny's Selecte	2	5	3	5	2	3.00	12
N204	JSS 226	Johnny's Selecte	1	3	8	5		3.00	13
N211	Eliis	Rijk Zwaan		5	8.5	2.5	1	2.97	14
N225	Novelty #5	Grimmway		4.5	11	1.5		2.82	15
N233	Mello Yello	Bejo	1	6	5	5		2.82	16
N235	Yellowstone	Bejo	1	4	9	3		2.82	17
N238	CreamPak	Nunhems	1	5	7	4		2.82	18
N234	YellowBunch	Nunhems	1	7	5.5	3.5		2.68	19
N205	Crofton	Rijk Zwaan	1	9	4	2	1	2.59	20
N220	Deep Purple	Bejo	2	5.5	8	1.5		2.53	21
N208	JSS 116	Johnny's Selecte		8.5	8.5			2.50	22
N217	PV5550	Pop Vriend	1	8	7	1		2.47	23
N239	Snow Man	Nunhems	3	7	3.5	3.5		2.44	24
N210	Allyance	Nunhems	2	6	9			2.41	25
N214	PV5457	Pop Vriend	3	5	8	1		2.41	26
N230	(R0148A×R5647B) X R6304B	19'9B5-5	4	3	9	1		2.41	27
N216	PV5455	Pop Vriend	2	8	6.5	0.5		2.32	28
N228	Redsun	Bejo	2	9.5	3.5	2		2.32	29
N212	Jerada	Rijk Zwaan	1	11	4	1		2.29	30
N218	Novelty #4	Grimmway	2	9	5	1		2.29	31
N223	JSS 131	Johnny's Selecte	3	7	7			2.24	32
N232	(Y1246A×Y7316B)×Y1246B	21'142-3	4	4	3.5	1.5		2.19	33
N213	Ymer	Rijk Zwaan	4	7	5	1		2.18	34
N215	Bryce	Pop Vriend	5	7	5			2.00	35
N219	(P8438A×P6279B)×P6423B	21'108-4	6.5	7.5	3			1.79	36
N240	(W2383A×W9381B)×W6422	21'145-4	8	5.5	1.5			1.57	37
N227	(R6304A×R7361B)×R4294	21'132-5	1		1			2.00	
N229	(R6220×R5647)×R5646B	21'116-3	1					1.00	
N236	(Y6364A×W6348B)×Y5665	21'137-3			1	0.5	0.5	3.75	
Average Score								2.71	

¹ Mean based on average of 17 judges: 1 = unacceptable, 2 = poor, 3 = fair, 4 = good, 5 = excellent.