



United States Department of Agriculture

Research, Education, and Economics
Agricultural Research Service

September 8, 2011

Subject: USDA-UW Carrot Trials

To: Trial Participants

From: Phil Simon

The results of the 2011 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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USDA Wisconsin Carrot Trials 2011

Entry	Pedigree or Name	Source	Number of Judges Placing in Class					Mean ¹	Rank	Flavor ²	
			1	2	3	4	5			H	S
Entries Listed by Field Number											
B101	(6253 × 2144) × 1406	048-2		1	5	12	3	3.81	3	3.5	2
B102	(9253 × 7551) × 1397	039-5		4	8	8	1	3.29	9	2	3.5
B103	Ibiza	Bejo		3	12	4.5	2	3.26	10	3	3
B104	(7254 × 7551) × 1405	047-5	1	12	7	1		2.38	20	2.5	3.5
B105	(9253 × 9788) × 1402	044-5	15	5		1		1.38	24	1.5	3
B106	(9256 × 7551) × 1138	076-3	3	6.5	11	1		2.45	19	2	3.5
B107	(6253 × 2144) × 1397	039-3	2	13	3	3		2.33	21	1.5	3
B108	(5280 × 6366) × 0571	906-2	3	6	7	5		2.67	18	3.5	3.5
B109	(9253 × 9788) × 1403	045-5		7	12	2		2.76	17	2.5	3
B110	Propeel	Seminis	5	8.5	4.5	3		2.26	22	3	2.5
B111	(7254 × 7551) × 1404	046-5	2	2.5	14	3		2.83	15	3.5	3
B112	PX 07101640	Seminis		2	4	9	6	3.90	2	3	3.5
B113	(5280 × 6366) × 1405	047-4		7	11	3		2.81	16	2	3
B114	(1111 × 7553) × 1402	044-6		4	10	7		3.14	12	3	3.5
B115	Tastypeel	Seminis		5	8.5	6.5	1	3.17	11	4	3
B116	(1111 × 7551) × 1408	050-6	9	11		1		1.67	23	3	3
B117	(5280 × 6366) × 1399	041-4	13	8				1.38	25	2	3
B118	(6253 × 2144) × 1401	043-2	1	7	7	5	1	2.90	14	3	3
B119	PS 1441	Seminis	1	5.5	8.5	6		2.93	13	3.5	3
B120	(2144 × 7553) × 1397	039-6		3	4	12	2	3.62	6	1.5	3
B121	(7254 × 7551) × 1408	050-3		1	9	6	5	3.71	5	3	3
B122	(1111 × 7553) × 1407	049-5			7	11	3	3.81	4	1.5	3
B123	(2144 × 2126) × 1403	045-3		2	10	9		3.33	8	3.5	3
B124	PS1603	Seminis			6	9	6	4.00	1	3	3.5
B125	(9256 × 7551) × 1398	040-5		2	5	13	1	3.62	7	4	2.5
Average Score								2.96			

¹ Mean based on average of 21 judges: 1 = unacceptable, 2 = poor, 3 = fair, 4 = good, 5 = excellent.

² Flavor (1 judge)

H = Harshness: 1=Very harsh, 5=Very mild;

S = Sweetness: 1=Not sweet, 5=Very sweet

USDA Wisconsin Carrot Trials 2011

Entry	Pedigree or Name	Source	Number of Judges Placing in Class					Mean ¹	Rank	Flavor ²	
			1	2	3	4	5			H	S
Entries Listed by Rank											
B124	PS1603	Seminis			6	9	6	4.00	1	3	3.5
B112	PX 07101640	Seminis		2	4	9	6	3.90	2	3	3.5
B101	(6253 × 2144) × 1406	048-2		1	5	12	3	3.81	3	3.5	2
B122	(1111 × 7553) × 1407	049-5			7	11	3	3.81	4	1.5	3
B121	(7254 × 7551) × 1408	050-3		1	9	6	5	3.71	5	3	3
B120	(2144 × 7553) × 1397	039-6		3	4	12	2	3.62	6	1.5	3
B125	(9256 × 7551) × 1398	040-5		2	5	13	1	3.62	7	4	2.5
B123	(2144 × 2126) × 1403	045-3		2	10	9		3.33	8	3.5	3
B102	(9253 × 7551) × 1397	039-5		4	8	8	1	3.29	9	2	3.5
B103	Ibiza	Bejo		3	12	4.5	2	3.26	10	3	3
B115	Tastypeel	Seminis		5	8.5	6.5	1	3.17	11	4	3
B114	(1111 × 7553) × 1402	044-6		4	10	7		3.14	12	3	3.5
B119	PS 1441	Seminis	1	5.5	8.5	6		2.93	13	3.5	3
B118	(6253 × 2144) × 1401	043-2	1	7	7	5	1	2.90	14	3	3
B111	(7254 × 7551) × 1404	046-5	2	2.5	14	3		2.83	15	3.5	3
B113	(5280 x 6366) × 1405	047-4		7	11	3		2.81	16	2	3
B109	(9253 × 9788) × 1403	045-5		7	12	2		2.76	17	2.5	3
B108	(5280 x 6366) × 0571	906-2	3	6	7	5		2.67	18	3.5	3.5
B106	(9256 × 7551) × 1138	076-3	3	6.5	11	1		2.45	19	2	3.5
B104	(7254 × 7551) × 1405	047-5	1	12	7	1		2.38	20	2.5	3.5
B107	(6253 × 2144) × 1397	039-3	2	13	3	3		2.33	21	1.5	3
B110	Propeel	Seminis	5	8.5	4.5	3		2.26	22	3	2.5
B116	(1111 × 7551) × 1408	050-6	9	11		1		1.67	23	3	3
B105	(9253 × 9788) × 1402	044-5	15	5		1		1.38	24	1.5	3
B117	(5280 x 6366) × 1399	041-4	13	8				1.38	25	2	3
Average Score								2.96			

¹ Mean based on average of 21 judges: 1 = unacceptable, 2 = poor, 3 = fair, 4 = good, 5 = excellent.

² Flavor (1 judge):
H = Harshness: 1=Very harsh, 5=Very mild;
S = Sweetness: 1=Not sweet, 5=Very sweet

USDA Wisconsin Carrot Trials 2011

Entry	Pedigree or Name	Source	Number of Judges Placing in Class					Mean ¹	Rank	Flavor ²	
			1	2	3	4	5			H	S
Entries Listed by Field Number											
C101	(6366×2226)×5280	154-7	0.5	8.5	12	0.5	2.57	20	4	3	
C102	(5280×6366)×7254	752-3	1	5	7.5	7.5	3.02	12	3	4	
C103	Dominion	Seminis	8	12	1		1.67	25	4	3	
C104	(5280×6366)×8233	031-11	7	9	4		1.85	24			
C105	(6366×2226)×7808	969-6		6	9	5	1	3.05	10	4	4
C106	Enterprise	Seminis			3	13	5	4.10	1	4.5	4
C107	(7254×9788)×3999★	058-5	2	4	12	3	2.76	17	3.5	3	
C108	Niland	Bejo		7	7	6	1	3.05	11	3	2.5
C109	[(6366×2226)×3999 ²]×8524★	071-5		4.5	13	4		2.98	14	4	3.5
C110	(2566×5238)×2205	012-6	1	3	8	8	1	3.24	7	3.5	3
C111	(8531★×3999★)×6526★	092-4	2	4	8	6	1	3.00	13	3	3
C112	(8531★×3999★)×6526★	086-5		8	8	4	1	2.90	16	2	3.5
C113	PX07102289	Seminis	2	7	9.5	2.5		2.60	19	3.5	3.5
C114	(8531★×3999★)×8542★	091-3		3	6	8	4	3.62	4	1.5	3
C115	(8524★×8483★)×9324★	075-4	1	6	8.5	4.5	1	2.93	15	4	3
C116	Baltimore	Bejo	1	3	8	8	1	3.24	8	3.5	3
C117	(6366×2226)×8524★	176-6	2	7.5	8.5	2	1	2.64	18	2	3.5
C118	(2144×2126)×9304	963-2	3	10	7	1		2.29	23	3	3.5
C119	Naval	Bejo		6	5	8	2	3.29	6	4	4
C120	(7241×2126)×0186	135-2		1	4	12	4	3.90	2	3.5	3
C121	(5280×6366)×9304	963-3			8	10	3	3.76	3	2.5	3.5
C122	(2126×2144)×8524★	071-6		3	11	7		3.19	9	3	3
C123	B-2823	Bejo		4	9	5	3	3.33	5	3.5	3.5
C124	(8524★×3999★)×8524★	071-7	2	8	10	1		2.48	21	4	3
C125	(2126×2144)×8503★	069-2	1	11	8		1	2.48	22	3	3.5
Average Score							2.96				

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USDA Wisconsin Carrot Trials 2011

Entry	Pedigree or Name	Source	Number of Judges Placing in Class					Mean ¹	Rank	Flavor ²	
			1	2	3	4	5			H	S
Entries Listed by Rank											
C106	Enterprise	Seminis			3	13	5	4.10	1	4.5	4
C120	(7241×2126)×0186	135-2		1	4	12	4	3.90	2	3.5	3
C121	(5280×6366)×9304	963-3			8	10	3	3.76	3	2.5	3.5
C114	(8531★×3999★)×8542★	091-3		3	6	8	4	3.62	4	1.5	3
C123	B-2823	Bejo		4	9	5	3	3.33	5	3.5	3.5
C119	Naval	Bejo		6	5	8	2	3.29	6	4	4
C110	(2566×5238)×2205	012-6	1	3	8	8	1	3.24	7	3.5	3
C116	Baltimore	Bejo	1	3	8	8	1	3.24	8	3.5	3
C122	(2126×2144)×8524★	071-6		3	11	7		3.19	9	3	3
C105	(6366×2226)×7808	969-6		6	9	5	1	3.05	10	4	4
C108	Niland	Bejo		7	7	6	1	3.05	11	3	2.5
C102	(5280×6366)×7254	752-3	1	5	7.5	7.5		3.02	12	3	4
C111	(8531★×3999★)×6526★	092-4	2	4	8	6	1	3.00	13	3	3
C109	[(6366×2226)×3999 ²]×8524★	071-5		4.5	13	4		2.98	14	4	3.5
C115	(8524★×8483★)×9324★	075-4	1	6	8.5	4.5	1	2.93	15	4	3
C112	(8531★×3999★)×6526★	086-5		8	8	4	1	2.90	16	2	3.5
C107	(7254×9788)×3999★	058-5	2	4	12	3		2.76	17	3.5	3
C117	(6366×2226)×8524★	176-6	2	7.5	8.5	2	1	2.64	18	2	3.5
C113	PX07102289	Seminis	2	7	9.5	2.5		2.60	19	3.5	3.5
C101	(6366×2226)×5280	154-7	0.5	8.5	12	0.5		2.57	20	4	3
C124	(8524★×3999★)×8524★	071-7	2	8	10	1		2.48	21	4	3
C125	(2126×2144)×8503★	069-2	1	11	8		1	2.48	22	3	3.5
C118	(2144×2126)×9304	963-2	3	10	7	1		2.29	23	3	3.5
C104	(5280×6366)×8233	031-11	7	9	4			1.85	24		
C103	Dominion	Seminis	8	12	1			1.67	25	4	3
Average Score								2.96			

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² Flavor (1 judge):
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Color

USDA Wisconsin Carrot Trials 2011

Entry	Pedigree or Name	Source	Number of Judges Placing in Class					Mean ¹	Rank	Flavor ²		Color
			1	2	3	4	5			H	S	
Entries Listed by Field Number												
N101	Eregli Turkey 1999	913-1	14	4	2			1.40	25			Purple
N102	PingDing × PI326011	87108©	9	9	3			1.71	23			Purple
N103	7262 × Turkish	415-2	11	8	1			1.50	24			Purple
N104	6306	671-1	1	6	9	5		2.86	15	2	3	Purple
N105	Mello Yello	Bejo		2	5	11	3	3.71	5	3	3	Yellow
N106	6139ddP	656-1	5	5	9	2		2.38	22	2	3	Purple
N107	6139ddPYP	657-1		2	8	7	4	3.62	6	3	3	Purple
N108	Yellowstone	Bejo		1	4	13	3	3.86	3	2	3.5	Yellow
N109	6244	664-1	3	3	13	1	1	2.71	17	3	3	Purple
N110	PurpleA×[(7262×Trksh)×5280]	944-2	1.5	5.5	11	2	1	2.79	16	4	3.5	Purple
N111	(7262 × 6308) × 1129	953-3	2.5	6.5	9	1	2	2.69	19	4	3	Purple
N112	(Red × 6216) × 8197	067-2		5	7	6	3	3.33	7	3	3	Red
N113	[8197×(PI-CN × PI-JP)] × 8201	089-2	3.5	7.5	6	4		2.50	21	4	3	Red
N114	Deep Purple	Bejo	1	5	11	3	1	2.90	14	1.5	2	Purple
N115	(7262 × 6308) × 6245	062-4	1	8	8	4		2.71	18	4	3	Purple
N116	[(7262 × 6264)×6360] × 6139ddP	060-2		4	9	8		3.19	11	3	3.5	Purple
N117	Rainbow	Bejo	1		12	7	1	3.33	8	2.5	3	Mix
N118	JOD × W.Belgian	916-1			4.5	14	3	3.93	2	3.5	2	Yellow
N119	PI 432903	104-3	4	8	4	2	3	2.62	20	3	4	Red
N120	[(7262 × 6264)×6360] × 6307	065-3	1		6	9		3.75	4	4	3.5	Purple
N121	White Satin	Bejo	2		10	8	1	3.29	10	4	1.5	White
N122	(7254 × 8519) × (JOD × W.Belgian)	032-2		1	3.5	11		3.98	1	2.5	3	Yellow
N123	[(SC × 7001)×6637] × 8197	067-3		7	9	4	1	2.95	13	2	3.5	Purple
N124	[(7262 × 6264)×6360] × 6308	066-2		4	7	9	1	3.33	9	3.5	3	Purple
N125	[(7262 × 6245) × 7262] × 8438	088-2	0.5	5.5	9	5	1	3.02	12	4	4	Purple
Average Score								2.96				

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Color

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Entry	Pedigree or Name	Source	Number of Judges Placing in Class					Mean ¹	Rank	Flavor ²		Color
			1	2	3	4	5			H	S	
Entries Listed by Rank												
N122	(7254 × 8519) × (JOD × W.Belgian)	032-2		1	3.5	11		3.98	1	2.5	3	Yellow
N118	JOD × W.Belgian	916-1			4.5	14	3	3.93	2	3.5	2	Yellow
N108	Yellowstone	Bejo		1	4	13	3	3.86	3	2	3.5	Yellow
N120	[(7262 × 6264) × 6360] × 6307	065-3	1		6	9		3.75	4	4	3.5	Purple
N105	Mello Yello	Bejo		2	5	11	3	3.71	5	3	3	Yellow
N107	6139ddPYP	657-1		2	8	7	4	3.62	6	3	3	Purple
N112	(Red × 6216) × 8197	067-2		5	7	6	3	3.33	7	3	3	Red
N117	Rainbow	Bejo	1		12	7	1	3.33	8	2.5	3	Mix
N124	[(7262 × 6264) × 6360] × 6308	066-2		4	7	9	1	3.33	9	3.5	3	Purple
N121	White Satin	Bejo	2		10	8	1	3.29	10	4	1.5	White
N116	[(7262 × 6264) × 6360] × 6139ddP	060-2		4	9	8		3.19	11	3	3.5	Purple
N125	[(7262 × 6245) × 7262] × 8438	088-2	0.5	5.5	9	5	1	3.02	12	4	4	Purple
N123	[(SC × 7001) × 6637] × 8197	067-3		7	9	4	1	2.95	13	2	3.5	Purple
N114	Deep Purple	Bejo	1	5	11	3	1	2.90	14	1.5	2	Purple
N104	6306	671-1	1	6	9	5		2.86	15	2	3	Purple
N110	PurpleA × [(7262 × Trksh) × 5280]	944-2	1.5	5.5	11	2	1	2.79	16	4	3.5	Purple
N109	6244	664-1	3	3	13	1	1	2.71	17	3	3	Purple
N115	(7262 × 6308) × 6245	062-4	1	8	8	4		2.71	18	4	3	Purple
N111	(7262 × 6308) × 1129	953-3	2.5	6.5	9	1	2	2.69	19	4	3	Purple
N119	PI 432903	104-3	4	8	4	2	3	2.62	20	3	4	Red
N113	[8197 × (PI-CN × PI-JP)] × 8201	089-2	3.5	7.5	6	4		2.50	21	4	3	Red
N106	6139ddP	656-1	5	5	9	2		2.38	22	2	3	Purple
N102	PingDing × PI326011	87108 [©]	9	9	3			1.71	23			Purple
N103	7262 × Turkish	415-2	11	8	1			1.50	24			Purple
N101	Eregli Turkey 1999	913-1	14	4	2			1.40	25			Purple
Average Score							2.96					

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