



**United States Department of Agriculture**

Research, Education, and Economics  
Agricultural Research Service

March 22, 2011

Subject: UC- USDA Carrot Trials  
To: Trial Participants  
From: Phil Simon, Joe Nunez, and Fernando Miramontes

A handwritten signature in blue ink, appearing to read "Phil Simon".

The results of the 2011 UC-USDA Carrot Trials in El Centro 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 DREC staff for their cooperation and excellent assistance. Their help is much appreciated. Thank you.



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## USDA California Carrot Trials 2011

Entry	Pedigree or Name	Source	Number of Judges Placing in Class					Mean <sup>1</sup>	Rank	Flavor <sup>2</sup>	
			1	2	3	4	5			H	S
<b>Entries Listed by Field Number</b>											
B101	SugarSnax	Nunhems		1.5	5	7.5		3.43		4	4
B102	Imperial Cuts	Integra		1	4	8.5	0.5	3.61		4	4
B103	(9253 × 7551) × 1406	048-5	0.5	6.5	10.5	0.5		2.61	54	3	4
B104	(9253 × 9788) × 1403	045-5	1	1	14	2		2.94	31	4	4
B105	Copperhead	Sakata	1	4.5	7	5.5		2.94	32	4	4
B106	(6253 × 2144) × 1399	041-2		9.5	3.5	3	2	2.86	37	4.5	4
B107	NUN 85880	Nunhems			2	11	5	4.17	2	4.5	4
B108	(5280 × 6366) × 1399	041-4		5	10.5	2.5		2.86	38	3	4
B109	(6253 × 2144) × 1398	040-2		3	5.5	7	2.5	3.50	11	4	4
B110	(2226 × 7551) × 1401	043-5		10.5	5.5	2		2.53	59	3	4
B111	CX 562	Vilmorin		6.5	7.5	4		2.86	39	3	4
B112	(7254 × 7551) × 1404	046-5	1	2	12	3		2.94	33	3	4
B113	FCR-10618	Sakata		5	8	5		3.00	27	2	4
B114	(6253 × 2144) × 1406	048-2		4	5.5	7.5		3.21	20	2.5	4
B115	Propeel	Seminis		3	7	6	1	3.29	18	3	4
B116	(7254 × 7551) × 6203	061-5	6	8.5	2.5	1		1.92	93	3	4
B117	(6253 × 6333) × 6203	061-6	2.5	11.5	4			2.08	84	2	4
B118	TopCut	Nunhems		1.5	13	3.5		3.11	24	3.5	4
B119	(6253 × 7551) × 2126	056-3	1.5	14	2.5			2.06	86	3	4
B120	CX 622	Vilmorin	1.5	5	7.5	4		2.78	47	1	4
B121	(9256 × 7551) × 1407	049-4	2.5	9	5	1.5		2.31	76	3	4
B122	(2144 × 2126) × 1402	044-2	4	7	6.5	0.5		2.19	81	3	4
B123	Ibiza	Bejo		3	5	9.5	0.5	3.42	15	3.5	4
B124	(6333 × 6366) × 6203	061-3	1	8	8	1		2.50	60	3	4
B125	(2226 × 7551) × 1407	049-6	5.5	9	2.5	1		1.94	92	3	4
B126	(6253 × 2144) × 0577	912-3	4	6	7	1		2.28	77	3	4
B127	KXPC-505	Integra	3	4.5	6	4.5		2.67	52	3	4
B128	(5280 × 6366) × 1402	044-3		7.5	8.5	1		2.62	53	3	4
B129	FCR-10604	Sakata	2		6.5	8.5	1	3.36	16	4	4
B130	(7254 × 7551) × 1408	050-3	1	4.5	9	3.5		2.83	42	4	4
B131	SugarSnax	Nunhems			6.5	10.5	1	3.69	7	4	4
B132	(5280 × 6366) × 1405	047-4	2	3.5	7.5	3.5	1.5	2.94	34	4	4
B133	[(5280 × 6366) × V.long] × Long	220-4	1.5	6.5	6	3	1	2.75	48	4	4
B134	(1111 × 7553) × 1402	044-6		5.5	9	3.5		2.89	35	4	4
B135	VH 133	Vilmorin		0.5	8	9.5		3.50	12	4	4
B136	(6333 × 6366) × 1397	039-4		3	9.5	3	2.5	3.28	19	4	4
B137	Triton	Sakata		3.5	8.5	5	1	3.19	21	4	4
B138	(9253 × 7551) × 1397	039-5		4	8	5.5	0.5	3.14	23	2.5	4
B139	(1111 × 7553) × 1408	050-5	0.5	7	8	2	0.5	2.72	51	4	4
B140	Imperial Cuts	Integra	2.5	6	7.5	2		2.50	61	4	4
B141	(1111 × 7553) × 1138	076-4	4.5	10.5	3			1.92	94	4	3
B142	(6253 × 2144) × 1404	046-2	1.5	3.5	11	2		2.75	49	2.5	4
B143	CX 620	Vilmorin	3	5	8.5	1.5		2.47	63	3	4
B144	(6253 × 2144) × 0575	910-3	1.5	7.5	8.5	0.5		2.44	65	1.5	4
B145	(9253 × 7551) × 1408	050-2			2	10.5	5.5	4.19	1	4	4
B146	FCR-9525	Sakata		1.5	3	11	2.5	3.81	6	4	4
B147	(1111 × 7553) × 1407	049-5	2.5	4.5	5.5	4.5	1	2.83	43	4	4
B148	(2302 × 6366) × 7322	168-5	0.5	8	7.5	2		2.61	55	3	4
B149	HoneySnax	Nunhems	1.5	0.5	2.5	11.5	2	3.67	8	4.5	4
B150	(9256 × 7551) × 1138	076-3		5	8	5		3.00	28	4	4
B151	(2144 × 2126) × 1403	045-3		8	5	5		2.83	44	3.5	4

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Entry	Pedigree or Name	Source	Number of Judges Placing in Class					Mean <sup>1</sup>	Rank	Flavor <sup>2</sup>		
			1	2	3	4	5			H	S	
B152	(2226 × 9253) × 1401	043-6	2.5	7	7	1.5		2.42	66	3	4	
B153	KXPC-222	Integra				2	11	5	4.17	3	4	4
B154	(9253 × 9788) × 1402	044-5		5	8	4	1		3.06	26	4	4
B155	(6253 × 2144) × 1401	043-2		8	6	2.5	1.5		2.86	40	4	4
B156	(5280 × 6366) × 0571	906-2		4.5	9.5	4			2.97	30	4	4
B157	CrispyCut	Nunhems				2	14	2	4.00	4	4	4
B158	(2144 × 2126) × 0571	906-4		1	8	7	2		3.56	10	4	4
B159	(7254 × 7551) × 1405	047-5		3	11.5	2.5	1		3.08	25	3	4
B160	KXPC-060	Integra		0.5	8	7	2.5		3.64	9	4	4
B161	(6253 × 2144) × 9789	810-3	1	1.5	6.5	5.5	3.5		3.50	13	4	4
B162	(2126 × 7241) × 7551	759-3	3	5	7	2	1		2.61	56	4	4
B163	CX 518	Vilmorin		4.5	5	6.5	2		3.33	17	3	4
B164	(9256 × 7551) × 1400	042-6	3.5	6.5	6.5	1.5			2.33	72	3.5	4
B165	(2144 × 2126) × 1401	043-3	4	5	8	1			2.33	73	4	4
B166	(6253 × 7551) × 1402	044-4	0.5	13.5	4				2.19	82	4	4
B167	SlimCut	Nunhems				4.5	10.5	3	3.92	5	4	3.5
B168	(5280 × 6366) × 1403	045-4	2.5	9	3.5	3			2.39	68	4	4
B169	(5280 × 6366) × 0569	904-2	2	6.5	8.5	1			2.47	64	4	4
B170	(7254 × 7551) × 1407	049-3	5	8	5				2.00	88	4	4
B171	VH 182	Vilmorin	1	8	7	2			2.56	57	3.5	4
B172	(2144 × 2126) × 1398	040-3	1	10.5	5	1.5			2.39	69	4	4
B173	(2144 × 2126) × 1400	042-3	1.5	9	7.5				2.33	74	4	4
B174	(9256 × 7551) × 1398	040-5		8	6	3.5	0.5		2.81	45	4	4
B175	NUN 85900	Nunhems		4.5	6.5	6	1		3.19	22	4	4
B176	(6253 × 2144) × 1397	039-3	1	2	11.5	3	0.5		3.00	29	4	4
B177	(2144 × 2126) × 1404	046-3	3.5	7.5	6	1			2.25	79	4	4
B178	(5280 × 6366) × 1400	042-4	1	8	7	2			2.56	58	4	4
B179	(6253 × 2144) × 0572	907-3	0.5	7	8	1.5	1		2.75	50	4	4
B180	(2144 × 2126) × 1406	048-3	5	9	3.5	0.5			1.97	90	4	4
B181	(2226 × 9253) × 1406	048-6	4	9	4	1			2.11	83	4	3
B182	FCR-10626	Sakata	1	9.5	5	2.5			2.50	62	3	4
B183	(6253 × 2144) × 1405	047-2	4.5	9	4	0.5			2.03	87	4	4
B184	(9253 × 7551) × 1400	042-5	1.5	8.5	7.5	0.5			2.39	70	4	4
B185	(5280 × 6366) × 1398	040-4	0.5	6	8	3.5			2.81	46	4	4
B186	(7254 × 7551) × 2126	056-4	11.5	2.5	3	1			1.64	96	4	4
B187	(9253 × 7551) × 6203	061-4	4.5	10	3	0.5			1.97	91	4	4
B188	(6253 × 6333) × 1399	041-6	9.5	5.5	2.5	0.5			1.67	95	3.5	4
B189	(6333 × 6366) × 2126	056-2	11.5	5.5	1				1.42	97	4	4
B190	UpperCut	Nunhems		1.5	8	6	1.5		3.44	14	4	4
B191	(5280 × 6366) × 1404	046-4	5	8.5	4	0.5			2.00	89	4	4
B192	(7254 × 7551) × 1138	076-2	3	6.5	6.5	2			2.42	67	4	4
B193	(6253 × 6333) × 2126	056-5	6.5	4.5	6	1			2.08	85	3.5	4
B194	(9256 × 7551) × 2126	056-6	2.5	9	4.5	2			2.33	75	3.5	4
B195	(1111 × 7551) × 1138	076-6	6	5	5		2		2.28	78	4	4
B196	(9256 × 7551) × 1138	076-5	5	6.5	4.5	1	1		2.25	80	4	4
B197	(2144 × 7553) × 1397	039-6		6	8.5	3.5			2.86	41	4	4
B198	(6253 × 2144) × 6203	061-2	5	2.5	9	1.5			2.39	71	2	4
B199	(1111 × 7551) × 1408	050-6	2	3	9	3	1		2.89	36	3.5	4

<sup>1</sup> Mean based on average of 18 judges: 1 = unacceptable, 2 = poor, 3 = fair, 4 = good, 5 = excellent.

<sup>2</sup> Flavor (1 judge):

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

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

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Entry	Pedigree or Name	Source	Number of Judges Placing in Class					Mean <sup>1</sup>	Rank	Flavor <sup>2</sup>		
			1	2	3	4	5			H	S	
<b>Entries Listed by Rank</b>												
B145	(9253 × 7551) × 1408	050-2			2	10.5	5.5	4.19	1	4	4	
B107	NUN 85880	Nunhems			2	11	5	4.17	2	4.5	4	
B153	KXPC-222	Integra			2	11	5	4.17	3	4	4	
B157	CrispyCut	Nunhems			2	14	2	4.00	4	4	4	
B167	SlimCut	Nunhems			4.5	10.5	3	3.92	5	4	3.5	
B146	FCR-9525	Sakata		1.5	3	11	2.5	3.81	6	4	4	
B131	SugarSnax	Nunhems			6.5	10.5	1	3.69	7	4	4	
B149	HoneySnax	Nunhems	1.5	0.5	2.5	11.5	2	3.67	8	4.5	4	
B160	KXPC-060	Integra			0.5	8	7	3.64	9	4	4	
B158	(2144 × 2126) × 0571	906-4		1	8	7	2	3.56	10	4	4	
B109	(6253 × 2144) × 1398	040-2		3	5.5	7	2.5	3.50	11	4	4	
B135	VH 133	Vilmorin			0.5	8	9.5	3.50	12	4	4	
B161	(6253 × 2144) × 9789	810-3	1	1.5	6.5	5.5	3.5	3.50	13	4	4	
B190	UpperCut	Nunhems			1.5	8	6	3.44	14	4	4	
B123	Ibiza	Bejo			3	5	9.5	0.5	3.42	15	3.5	4
B129	FCR-10604	Sakata	2		6.5	8.5	1	3.36	16	4	4	
B163	CX 518	Vilmorin			4.5	5	6.5	2	3.33	17	3	4
B115	Propeel	Seminis			3	7	6	1	3.29	18	3	4
B136	(6333 × 6366) × 1397	039-4		3	9.5	3	2.5	3.28	19	4	4	
B114	(6253 × 2144) × 1406	048-2		4	5.5	7.5		3.21	20	2.5	4	
B137	Triton	Sakata			3.5	8.5	5	1	3.19	21	4	4
B175	NUN 85900	Nunhems			4.5	6.5	6	1	3.19	22	4	4
B138	(9253 × 7551) × 1397	039-5		4	8	5.5	0.5	3.14	23	2.5	4	
B118	TopCut	Nunhems			1.5	13	3.5		3.11	24	3.5	4
B159	(7254 × 7551) × 1405	047-5		3	11.5	2.5	1	3.08	25	3	4	
B154	(9253 × 9788) × 1402	044-5		5	8	4	1	3.06	26	4	4	
B113	FCR-10618	Sakata			5	8	5		3.00	27	2	4
B150	(9256 × 7551) × 1138	076-3		5	8	5		3.00	28	4	4	
B176	(6253 × 2144) × 1397	039-3	1	2	11.5	3	0.5	3.00	29	4	4	
B156	(5280 × 6366) × 0571	906-2			4.5	9.5	4		2.97	30	4	4
B104	(9253 × 9788) × 1403	045-5	1	1	14	2		2.94	31	4	4	
B105	Copperhead	Sakata	1	4.5	7	5.5		2.94	32	4	4	
B112	(7254 × 7551) × 1404	046-5	1	2	12	3		2.94	33	3	4	
B132	(5280 × 6366) × 1405	047-4	2	3.5	7.5	3.5	1.5	2.94	34	4	4	
B134	(1111 × 7553) × 1402	044-6			5.5	9	3.5		2.89	35	4	4
B199	(1111 × 7551) × 1408	050-6	2	3	9	3	1	2.89	36	3.5	4	
B106	(6253 × 2144) × 1399	041-2			9.5	3.5	3	2	2.86	37	4.5	4
B108	(5280 × 6366) × 1399	041-4			5	10.5	2.5		2.86	38	3	4
B111	CX 562	Vilmorin			6.5	7.5	4		2.86	39	3	4
B155	(6253 × 2144) × 1401	043-2			8	6	2.5	1.5	2.86	40	4	4
B197	(2144 × 7553) × 1397	039-6			6	8.5	3.5		2.86	41	4	4
B130	(7254 × 7551) × 1408	050-3	1	4.5	9	3.5			2.83	42	4	4
B147	(1111 × 7553) × 1407	049-5	2.5	4.5	5.5	4.5	1		2.83	43	4	4
B151	(2144 × 2126) × 1403	045-3			8	5	5		2.83	44	3.5	4
B174	(9256 × 7551) × 1398	040-5			8	6	3.5	0.5	2.81	45	4	4
B185	(5280 × 6366) × 1398	040-4	0.5	6	8	3.5			2.81	46	4	4
B120	CX 622	Vilmorin	1.5	5	7.5	4			2.78	47	1	4
B133	[(5280 × 6366) × V.long] × Long	220-4	1.5	6.5	6	3	1		2.75	48	4	4
B142	(6253 × 2144) × 1404	046-2	1.5	3.5	11	2			2.75	49	2.5	4
B179	(6253 × 2144) × 0572	907-3	0.5	7	8	1.5	1		2.75	50	4	4
B139	(1111 × 7553) × 1408	050-5	0.5	7	8	2	0.5		2.72	51	4	4

## USDA California Carrot Trials 2011

Entry	Pedigree or Name	Source	Number of Judges Placing in Class					Mean <sup>1</sup>	Rank	Flavor <sup>2</sup>	
			1	2	3	4	5			H	S
B127	KXPC-505	Integra	3	4.5	6	4.5	2.67	52	3	4	
B128	(5280 × 6366) × 1402	044-3		7.5	8.5	1	2.62	53	3	4	
B103	(9253 × 7551) × 1406	048-5	0.5	6.5	10.5	0.5	2.61	54	3	4	
B148	(2302 × 6366) × 7322	168-5	0.5	8	7.5	2	2.61	55	3	4	
B162	(2126 × 7241) × 7551	759-3	3	5	7	2	1	2.61	56	4	4
B171	VH 182	Vilmorin	1	8	7	2	2.56	57	3.5	4	
B178	(5280 × 6366) × 1400	042-4	1	8	7	2	2.56	58	4	4	
B110	(2226 × 7551) × 1401	043-5		10.5	5.5	2	2.53	59	3	4	
B124	(6333 × 6366) × 6203	061-3	1	8	8	1	2.50	60	3	4	
B140	Imperial Cuts	Integra	2.5	6	7.5	2	2.50	61	4	4	
B182	FCR-10626	Sakata	1	9.5	5	2.5	2.50	62	3	4	
B143	CX 620	Vilmorin	3	5	8.5	1.5	2.47	63	3	4	
B169	(5280 × 6366) × 0569	904-2	2	6.5	8.5	1	2.47	64	4	4	
B144	(6253 × 2144) × 0575	910-3	1.5	7.5	8.5	0.5	2.44	65	1.5	4	
B152	(2226 × 9253) × 1401	043-6	2.5	7	7	1.5	2.42	66	3	4	
B192	(7254 × 7551) × 1138	076-2	3	6.5	6.5	2	2.42	67	4	4	
B168	(5280 × 6366) × 1403	045-4	2.5	9	3.5	3	2.39	68	4	4	
B172	(2144 × 2126) × 1398	040-3	1	10.5	5	1.5	2.39	69	4	4	
B184	(9253 × 7551) × 1400	042-5	1.5	8.5	7.5	0.5	2.39	70	4	4	
B198	(6253 × 2144) × 6203	061-2	5	2.5	9	1.5	2.39	71	2	4	
B164	(9256 × 7551) × 1400	042-6	3.5	6.5	6.5	1.5	2.33	72	3.5	4	
B165	(2144 × 2126) × 1401	043-3	4	5	8	1	2.33	73	4	4	
B173	(2144 × 2126) × 1400	042-3	1.5	9	7.5		2.33	74	4	4	
B194	(9256 × 7551) × 2126	056-6	2.5	9	4.5	2	2.33	75	3.5	4	
B121	(9256 × 7551) × 1407	049-4	2.5	9	5	1.5	2.31	76	3	4	
B126	(6253 × 2144) × 0577	912-3	4	6	7	1	2.28	77	3	4	
B195	(1111 × 7551) × 1138	076-6	6	5	5		2	2.28	78	4	4
B177	(2144 × 2126) × 1404	046-3	3.5	7.5	6	1	2.25	79	4	4	
B196	(9256 × 7551) × 1138	076-5	5	6.5	4.5	1	1	2.25	80	4	4
B122	(2144 × 2126) × 1402	044-2	4	7	6.5	0.5	2.19	81	3	4	
B166	(6253 × 7551) × 1402	044-4	0.5	13.5	4		2.19	82	4	4	
B181	(2226 × 9253) × 1406	048-6	4	9	4	1	2.11	83	4	3	
B117	(6253 × 6333) × 6203	061-6	2.5	11.5	4		2.08	84	2	4	
B193	(6253 × 6333) × 2126	056-5	6.5	4.5	6	1	2.08	85	3.5	4	
B119	(6253 × 7551) × 2126	056-3	1.5	14	2.5		2.06	86	3	4	
B183	(6253 × 2144) × 1405	047-2	4.5	9	4	0.5	2.03	87	4	4	
B170	(7254 × 7551) × 1407	049-3	5	8	5		2.00	88	4	4	
B191	(5280 × 6366) × 1404	046-4	5	8.5	4	0.5	2.00	89	4	4	
B180	(2144 × 2126) × 1406	048-3	5	9	3.5	0.5	1.97	90	4	4	
B187	(9253 × 7551) × 6203	061-4	4.5	10	3	0.5	1.97	91	4	4	
B125	(2226 × 7551) × 1407	049-6	5.5	9	2.5	1	1.94	92	3	4	
B116	(7254 × 7551) × 6203	061-5	6	8.5	2.5	1	1.92	93	3	4	
B141	(1111 × 7553) × 1138	076-4	4.5	10.5	3		1.92	94	4	3	
B188	(6253 × 6333) × 1399	041-6	9.5	5.5	2.5	0.5	1.67	95	3.5	4	
B186	(7254 × 7551) × 2126	056-4	11.5	2.5	3	1	1.64	96	4	4	
B189	(6333 × 6366) × 2126	056-2	11.5	5.5	1		1.42	97	4	4	
B101	SugarSnax	Nunhems		1.5	5	7.5	3.43		4	4	
B102	Imperial Cuts	Integra	1	4	8.5	0.5	3.61		4	4	

<sup>1</sup> Mean based on average of 18 judges: 1 = unacceptable, 2 = poor, 3 = fair, 4 = good, 5 = excellent.

<sup>2</sup> Flavor (1 judge):

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

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

Entry	Pedigree or Name	Source	Number of Judges Placing in Class					Mean <sup>1</sup>	Rank	Flavor <sup>2</sup>	
			1	2	3	4	5			H	S
<b>Entries Listed by Field Number</b>											
C101	Maverick	Nunhems			4	7	2	3.85		4	4
C102	Olympus	Sakata		2	10	1		2.92		4	4
C103	(7254 × 9788) × 3999★	058-5	3	5	3.5	4	1.5	2.76	22	4	4
C104	FCR-10643	Sakata		3.5	5.5	7	1	3.32	7	4	4
C105	[(6366 × 2226) × 3999B <sup>2</sup> ] × 8524★	071-5	1	7	6	3		2.65	23	4	4
C106	FCR-9546	Sakata		5	8	4		2.94	18	4	4
C107	(6366 × 2226) × 8524★	176-6	2	8.5	6.5			2.26	30	2	4
C108	[(8531★ × 3999★) × (BR × 6274)] × 8542★	091-3	1	11	4	1		2.29	28	4	4
C109	CX 171	Vilmorin		3	9.5	2.5	2	3.21	11	4	4
C110	(2566 × 5238) × 2205	012-6		9.5	5.5	1	1	2.62	24	4	4
C111	"Plot 1"	Rijk Zwaan	8	4	4	1		1.88	45	2	4
C112	(5280 × 6366) × 9304	963-3	4	6.5	5	1.5		2.24	33	4	4
C113	(6366 × 5238) × 7254	752-6	5	7.5	4.5			1.97	41	4	4
C114	KXPC-168	Integra	5	8	3	1		2.00	39	4	5
C115	(2144 × 2126) × 9304	963-2	3	8.5	3.5	2		2.26	31	4	4
C116	KXPC-020	Integra		6	6.5	3	1.5	3.00	17	4	4
C117	(6366 × 2226) × 5280	154-7		6	3.5	6	1.5	3.18	12	4	4
C118	(2126 × 2144) × 8524★	071-6	5	6	3.5	2	0.5	2.24	34	4.5	4
C119	Olympus	Sakata	1	1	8.5	5	1.5	3.29	8	4	4
C120	(5280 × 7808) × 8503★	246-6		3	8.5	3.5	2	3.26	10	4	4
C121	"Plot 4"	Rijk Zwaan	1	6	5	5		2.82	20	4	4
C122	(7254 × 9788) × 8503★	069-5	9	4.5	3.5			1.68	52	4	4
C123	NBC N099	Nunhems		3	12	2		2.94	19	4	4
C124	(8524★ × 3999★) × 8524★	071-7	3	9.5	3	0.5	1	2.24	35	3.5	4
C125	(5280 × 6366) × 7254	752-3		3	10	4		3.06	15	2.5	4
C126	(7241 × 2126) × 0186	135-2	2	9	5.5	0.5		2.26	32	4	4
C127	Maverick	Nunhems		1	4	8	4	3.88	2	4	4
C128	(1111 × 7808) × 8542★	090-7	5	8	3	1		2.00	40	4	4
C129	(8524★ × 3999★) × 6526★	086-2	11	4	2			1.47	56	4	4
C130	FCR-10653	Sakata	2	7	4.5	3.5		2.56	26	4	4
C131	(7241 × 7808) × 3999	058-6	8	5.5	2	0.5	1	1.88	46	3	4
C132	"Plot 2"	Rijk Zwaan	9	5.5	1.5	1		1.68	53	3.5	4
C133	(6366 × 2226) × 7808	969-6		6	8.5	2.5		2.79	21	4	4
C134	NUN 85090	Nunhems	1	1	4	7	4	3.71	3	4	4
C135	(6366 × 2226) × 2144	011-9	6	7.5	2	1.5		1.94	42	4	4
C136	(2126 × 2144) × 8503★	069-2	5	6	5		1	2.18	36	4	3.5
C137	"Plot 5"	Rijk Zwaan	8	5	2.5	1.5		1.85	48	4	4
C138	(5280 × 6366) × 8233	031-11		3.5	9.5	4		3.03	16	4	4
C139	FCR-10650	Sakata		4	7	5.5	0.5	3.15	13	4	4
C140	[(8524★ × 3999★) × 8542★] × 6526B★	092-3	7	5	4	1		1.94	43	4	4
C141	NUN 85180	Nunhems		2	8	7		3.29	9	3.5	4
C142	(8531★ × 3999★) × 6526★	086-6	5	9.5	1.5	1		1.91	44	4	4
C143	CX 480	Vilmorin	3		8	4.5	1.5	3.09	14	4	4
C144	(6333 × 6366) × 9324★	074-4	6	7	4			1.88	47	4	4
C145	FCR-10655	Sakata		1	6.5	8.5	1	3.56	4	4	4
C146	[(8531★ × 3999★) × (BR × 6274)] × 6526B★	092-4	1	7	6.5	2.5		2.62	25	3.5	4
C147	[(8531★ × 3999★) × (BR × 6274)] × 6526★	086-5	2	8	5.5	1.5		2.38	27	4	4
C148	Choctaw	Nunhems		2	2.5	7.5	5	3.91	1	4	4
C149	(8524MjR-×8483★) × 8542★	091-2	8	4	4.5	0.5		1.85	49	2	4
C150	[(8524★ × 3999★) × 8542★] × 6526★	086-4	7	8	2			1.71	51	4	4
C151	(9253 × 7551) × 9324★	074-3	8	8	1			1.59	55	3.5	4
C152	"Plot 6"	Rijk Zwaan	4	8	4	1		2.12	37	4	4
C153	[(8524★ × 3999★) × 8542★] × 6526★	087-6	5	7	3	2		2.12	38	4	4
C154	NUN 85110	Nunhems	2		4.5	8	2.5	3.53	5	4	4

Entry	Pedigree or Name	Source	Number of Judges Placing in Class					Mean <sup>1</sup>	Rank	Flavor <sup>2</sup>	
			1	2	3	4	5			H	S
C155	(8524MjR-×8483★) × 9324★	075-4	4	6	5	2	2.29	29	4	4	
C156	"Plot 3"	Rijk Zwaan	7	8	1	1	1.76	50	3	4	
C157	(8524★ × 3999★) × 8503★	069-3	11	4.5	1	0.5	1.47	57	4	4	
C158	Envy	Seminis		1	9.5	4	2.5	3.47	6	4	4
C159	[(8524★ × 3999★)×8542★] × 8542★	091-6	10	4	2	1	1.65	54	2	4	
C160	(8531★ × 3999★) × 8503★	069-4	12	3	1	1	1.47	58	3.5	4	

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

<sup>2</sup> Flavor (1 judge):

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

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

★ represents a nematode resistant line

Entry	Pedigree or Name	Source	Number of Judges Placing in Class						Flavor <sup>2</sup>		
			1	2	3	4	5	Mean <sup>1</sup>	Rank	H	S
<b>Entries Listed by Rank</b>											
C148	Choctaw	Nunhems		2	2.5	7.5	5	3.91	1	4	4
C127	Maverick	Nunhems		1	4	8	4	3.88	2	4	4
C134	NUN 85090	Nunhems	1	1	4	7	4	3.71	3	4	4
C145	FCR-10655	Sakata		1	6.5	8.5	1	3.56	4	4	4
C154	NUN 85110	Nunhems	2		4.5	8	2.5	3.53	5	4	4
C158	Envy	Seminis		1	9.5	4	2.5	3.47	6	4	4
C104	FCR-10643	Sakata		3.5	5.5	7	1	3.32	7	4	4
C119	Olympus	Sakata	1	1	8.5	5	1.5	3.29	8	4	4
C141	NUN 85180	Nunhems		2	8	7		3.29	9	3.5	4
C120	(5280 × 7808) × 8503 ★	246-6		3	8.5	3.5	2	3.26	10	4	4
C109	CX 171	Vilmorin		3	9.5	2.5	2	3.21	11	4	4
C117	(6366 × 2226) × 5280	154-7		6	3.5	6	1.5	3.18	12	4	4
C139	FCR-10650	Sakata		4	7	5.5	0.5	3.15	13	4	4
C143	CX 480	Vilmorin	3		8	4.5	1.5	3.09	14	4	4
C125	(5280 × 6366) × 7254	752-3		3	10	4		3.06	15	2.5	4
C138	(5280 × 6366) × 8233	031-11		3.5	9.5	4		3.03	16	4	4
C116	KXPC-020	Integra		6	6.5	3	1.5	3.00	17	4	4
C106	FCR-9546	Sakata		5	8	4		2.94	18	4	4
C123	NBC N099	Nunhems		3	12	2		2.94	19	4	4
C121	"Plot 4"	Rijk Zwaan	1	6	5	5		2.82	20	4	4
C133	(6366 × 2226) × 7808	969-6		6	8.5	2.5		2.79	21	4	4
C103	(7254 × 9788) × 3999 ★	058-5	3	5	3.5	4	1.5	2.76	22	4	4
C105	[(6366 × 2226) × 3999B <sup>2</sup> ] × 8524 ★	071-5	1	7	6	3		2.65	23	4	4
C110	(2566 × 5238) × 2205	012-6		9.5	5.5	1	1	2.62	24	4	4
C146	[(8531 ★ × 3999 ★) × (BR × 6274)] × 6526B ★	092-4	1	7	6.5	2.5		2.62	25	3.5	4
C130	FCR-10653	Sakata		2	7	4.5	3.5	2.56	26	4	4
C147	[(8531 ★ × 3999 ★) × (BR × 6274)] × 6526 ★	086-5	2	8	5.5	1.5		2.38	27	4	4
C108	[(8531 ★ × 3999 ★) × (BR × 6274)] × 8542 ★	091-3	1	11	4	1		2.29	28	4	4
C155	(8524MjR-×8483 ★) × 9324 ★	075-4	4	6	5	2		2.29	29	4	4
C107	(6366 × 2226) × 8524 ★	176-6	2	8.5	6.5			2.26	30	2	4
C115	(2144 × 2126) × 9304	963-2	3	8.5	3.5	2		2.26	31	4	4
C126	(7241 × 2126) × 0186	135-2	2	9	5.5	0.5		2.26	32	4	4
C112	(5280 × 6366) × 9304	963-3	4	6.5	5	1.5		2.24	33	4	4
C118	(2126 × 2144) × 8524 ★	071-6	5	6	3.5	2	0.5	2.24	34	4.5	4
C124	(8524 ★ × 3999 ★) × 8524 ★	071-7	3	9.5	3	0.5	1	2.24	35	3.5	4
C136	(2126 × 2144) × 8503 ★	069-2	5	6	5		1	2.18	36	4	3.5
C152	"Plot 6"	Rijk Zwaan	4	8	4	1		2.12	37	4	4
C153	[(8524 ★ × 3999 ★) × 8542 ★] × 6526 ★	087-6	5	7	3	2		2.12	38	4	4
C114	KXPC-168	Integra	5	8	3	1		2.00	39	4	5
C128	(1111 × 7808) × 8542 ★	090-7	5	8	3	1		2.00	40	4	4
C113	(6366 × 5238) × 7254	752-6	5	7.5	4.5			1.97	41	4	4
C135	(6366 × 2226) × 2144	011-9	6	7.5	2	1.5		1.94	42	4	4
C140	[(8524 ★ × 3999 ★) × 8542 ★] × 6526B ★	092-3	7	5	4	1		1.94	43	4	4
C142	(8531 ★ × 3999 ★) × 6526 ★	086-6	5	9.5	1.5	1		1.91	44	4	4
C111	"Plot 1"	Rijk Zwaan	8	4	4	1		1.88	45	2	4
C131	(7241 × 7808) × 3999	058-6	8	5.5	2	0.5	1	1.88	46	3	4
C144	(6333 × 6366) × 9324 ★	074-4	6	7	4			1.88	47	4	4
C137	"Plot 5"	Rijk Zwaan	8	5	2.5	1.5		1.85	48	4	4
C149	(8524MjR-×8483 ★) × 8542 ★	091-2	8	4	4.5	0.5		1.85	49	2	4
C156	"Plot 3"	Rijk Zwaan	7	8	1	1		1.76	50	3	4
C150	[(8524 ★ × 3999 ★) × 8542 ★] × 6526 ★	086-4	7	8	2			1.71	51	4	4
C122	(7254 × 9788) × 8503 ★	069-5	9	4.5	3.5			1.68	52	4	4
C132	"Plot 2"	Rijk Zwaan	9	5.5	1.5	1		1.68	53	3.5	4
C159	[(8524 ★ × 3999 ★) × 8542 ★] × 8542 ★	091-6	10	4	2	1		1.65	54	2	4



Entry	Pedigree or Name	Source	Number of Judges Placing in Class					Mean <sup>1</sup>	Rank	Flavor <sup>2</sup>		
			1	2	3	4	5			H	S	
C151	(9253 × 7551) × 9324★	074-3	8	8	1			1.59	55	3.5	4	
C129	(8524★ × 3999★) × 6526★	086-2	11	4	2			1.47	56	4	4	
C157	(8524★ × 3999★) × 8503★	069-3	11	4.5	1	0.5		1.47	57	4	4	
C160	(8531★ × 3999★) × 8503★	069-4	12	3	1	1		1.47	58	3.5	4	
C101	Maverick	Nunhems				4	7	2	3.85		4	4
C102	Olympus	Sakata		2	10	1		2.92		4	4	

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

<sup>2</sup> Flavor (1 judge):

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

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

★ represents a nematode resistant line

Entry	Pedigree or Name	Source	Number of Judges Placing in Class					Mean <sup>1</sup>	Rank	Flavor <sup>2</sup>		
			1	2	3	4	5			H	S	Color
<b>Entries Listed by Field Number</b>												
T101	(7262 × 6264 <sup>2</sup> ) × 6245	062-3	3	6	5	3		2.47	17	4	4	Purple
T102	[(7262 × 6245 <sup>2</sup> ) × 7262] × 8438	088-2	4	6.5	5.5	1		2.21	25	4	4	Purple
T103	Purple Haze	Bejo	4	1	7	4.5	0.5	2.79	11	4	4	Purple
T104	(7262 × 6308 <sup>2</sup> ) × 6245	062-4	2	5	6	3	1	2.76	12	4	4	Purple
T105	NUN 89680	Nunhems	1	4	2.5	7.5	2	3.32	7	4	4	Purple
T106	6245B	665-1	4	4.5	6.5	1	1	2.44	18	4	4	Purple
T107	[(7262 × 6264) × 6360] × 6307	065-3	3	6	4.5	2	0.5	2.44	19	4	4	Purple
T108	(1129 × 6307) × 6264	064-3	14	1	1			1.19	40	4	4	Purple
T109	Deep Purple	Bejo		2.5	5	8	0.5	3.41	5	4	4	Purple
T110	[(7262 × 6264) × 6360] × 6139ddP	060-2	1	4	10	0.5	0.5	2.72	13	4	4	Purple
T111	[(7262 × 6264) × 6360] × 8438	088-3	1	8.5	5.5	1		2.41	20	3.5	4	Purple
T112	(7262 × 6264) × 6360	86593 × 86592	5	6	4	1		2.06	27	4	4	Purple
T113	NBC PU 5389	Nunhems	4	3	5	3.5	0.5	2.59	14	3	4	Purple
T114	[(7262 × 6264) × 6360] × 6308	066-2	5	4	5.5	1.5		2.22	24	4	4	Purple
T115	8255A	86723 × 86722	6	6	2	2		2.00	29	4	4	Purple
T116	(RedA × 6216 <sup>2</sup> ) × 8197	067-2	1	4	6	5		2.94	9	3.5	4	Red
T117	PI 432903	104-3	3	5	5	3		2.50	16	3.5	4	Red
T118	[(SC × 7001) × 6637] × 8197	067-3	3	8	3	2		2.25	23	4	4	Red
T119	6220B	649-1	5.5	4.5	5.5	0.5		2.06	28	4	4	Red
T120	7245B	935-1	10	5.5	0.5			1.41	38	3.5	4	Red
T121	(6366 × 2226) × 8197	067-4	6	6	3	1		1.94	31	4	4	Red
T122	[8197 × (432906PRC × 319858JP)] × 8201	089-2	1	4.5	6.5	3.5	0.5	2.88	10	3.5	4	Red
T123	[(7262 × 6245 <sup>2</sup> ) × 7262] × 8197	067-5	6	5	5			1.94	32	4	4	Red
T124	(7254 × 8519) × (JOD × W.Belgian)	032-2	4	6	2.5	3.5		2.34	21	4.5	4	Yellow
T125	Mello Yello	Bejo		1	8	7		3.38	6	4	4	Yellow
T126	(6253 × 8519) × (JOD × W.Belgian)	032-3	3	10	3			2.00	30	4	4	Yellow
T127	Yellowstone	Bejo	2.5	6.5	7			2.28	22	4	4	Yellow
T128	JOD × W.Belgian	916-1	1	7	6	2		2.56	15	4	4	Yellow
T129	YellowPak	Nunhems		2.5	3	9	1.5	3.59	4	4	4	Yellow
T130	9244A	939-2	11	3	2			1.44	37	4	4	Yellow
T131	YellowBunch	Nunhems		1	5.5	8	1.5	3.63	2	4.5	4	Yellow
T132	(7254 × 7551) × 9244	073-3	12	2	1.5	0.5		1.41	39	4	4	Yellow
T133	(6253 × 6333) × 9244	073-4	9	2	3	2		1.88	33	4	4	Yellow
T134	(2226 × 7551) × 9244	073-5	9	3	3	1		1.75	35	4	4	Yellow
T135	(6253 × 8519) × 9244	072-3	9	4	2	2		1.82	34	4.5	4	Yellow
T136	[(6366 × 2226) × 8576AR] × 9244	072-4	12	3	1	1		1.47	36	4	4	Yellow
T137	Sherbert	Nunhems	1	1.5	1.5	8.5	4.5	3.82	1	4	4	Misc.
T138	CreamPak	Nunhems		2.5	3.5	7.5	2.5	3.63	3	4	4	Misc.
T139	Rainbow	Bejo	5	6	3	2		2.13	26	3.5	4	Misc.
T140	White Satin	Bejo		4	6.5	5	0.5	3.13	8	2	4	Misc.

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

<sup>2</sup> Flavor (1 judge):

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

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

Entry	Pedigree or Name	Source	Number of Judges Placing in Class							Flavor <sup>2</sup>			
			1	2	3	4	5	Mean <sup>1</sup>	Rank	H	S	Color	
<b>Entries Listed by Rank</b>													
T137	Sherbert	Nunhems	1	1.5	1.5	8.5	4.5	3.82	1	4	4	Misc.	
T131	YellowBunch	Nunhems		1	5.5	8	1.5	3.63	2	4.5	4	Yellow	
T138	CreamPak	Nunhems		2.5	3.5	7.5	2.5	3.63	3	4	4	Misc.	
T129	YellowPak	Nunhems		2.5	3	9	1.5	3.59	4	4	4	Yellow	
T109	Deep Purple	Bejo		2.5	5	8	0.5	3.41	5	4	4	Purple	
T125	Mello Yello	Bejo		1	8	7		3.38	6	4	4	Yellow	
T105	NUN 89680	Nunhems	1	4	2.5	7.5	2	3.32	7	4	4	Purple	
T140	White Satin	Bejo		4	6.5	5	0.5	3.13	8	2	4	Misc.	
T116	(RedA × 6216 <sup>2</sup> ) × 8197	067-2	1	4	6	5		2.94	9	3.5	4	Red	
T122	[8197×(432906PRC × 319858JP)] × 8201	089-2	1	4.5	6.5	3.5	0.5	2.88	10	3.5	4	Red	
T103	Purple Haze	Bejo	4	1	7	4.5	0.5	2.79	11	4	4	Purple	
T104	(7262 × 6308 <sup>2</sup> ) × 6245	062-4	2	5	6	3	1	2.76	12	4	4	Purple	
T110	[(7262 × 6264)×6360] × 6139ddP	060-2	1	4	10	0.5	0.5	2.72	13	4	4	Purple	
T113	NBC PU 5389	Nunhems	4	3	5	3.5	0.5	2.59	14	3	4	Purple	
T128	JOD × W.Belgian	916-1	1	7	6	2		2.56	15	4	4	Yellow	
T117	PI 432903	104-3	3	5	5	3		2.50	16	3.5	4	Red	
T101	(7262 × 6264 <sup>2</sup> ) × 6245	062-3	3	6	5	3		2.47	17	4	4	Purple	
T106	6245B	665-1	4	4.5	6.5	1	1	2.44	18	4	4	Purple	
T107	[(7262 × 6264)×6360] × 6307	065-3	3	6	4.5	2	0.5	2.44	19	4	4	Purple	
T111	[(7262 × 6264)×6360] × 8438	088-3	1	8.5	5.5	1		2.41	20	3.5	4	Purple	
T124	(7254 × 8519) × (JOD × W.Belgian)	032-2	4	6	2.5	3.5		2.34	21	4.5	4	Yellow	
T127	Yellowstone	Bejo	2.5	6.5	7			2.28	22	4	4	Yellow	
T118	[(SC × 7001)×6637] × 8197	067-3	3	8	3	2		2.25	23	4	4	Red	
T114	[(7262 × 6264)×6360] × 6308	066-2	5	4	5.5	1.5		2.22	24	4	4	Purple	
T102	[(7262 × 6245 <sup>2</sup> ) × 7262] × 8438	088-2	4	6.5	5.5	1		2.21	25	4	4	Purple	
T139	Rainbow	Bejo	5	6	3	2		2.13	26	3.5	4	Misc.	
T112	(7262 × 6264)×6360	86593×86592	5	6	4	1		2.06	27	4	4	Purple	
T119	6220B	649-1	5.5	4.5	5.5	0.5		2.06	28	4	4	Red	
T115	8255A	86723×86722	6	6	2	2		2.00	29	4	4	Purple	
T126	(6253 × 8519) × (JOD × W.Belgian)	032-3	3	10	3			2.00	30	4	4	Yellow	
T121	(6366 × 2226) × 8197	067-4	6	6	3	1		1.94	31	4	4	Red	
T123	[(7262 × 6245 <sup>2</sup> ) × 7262] × 8197	067-5	6	5	5			1.94	32	4	4	Red	
T133	(6253 × 6333) × 9244	073-4	9	2	3	2		1.88	33	4	4	Yellow	
T135	(6253 × 8519) × 9244	072-3	9	4	2	2		1.82	34	4.5	4	Yellow	
T134	(2226 × 7551) × 9244	073-5	9	3	3	1		1.75	35	4	4	Yellow	
T136	[(6366 × 2226) × 8576AR] × 9244	072-4	12	3	1	1		1.47	36	4	4	Yellow	
T130	9244A	939-2	11	3	2			1.44	37	4	4	Yellow	
T120	7245B	935-1	10	5.5	0.5			1.41	38	3.5	4	Red	
T132	(7254 × 7551) × 9244	073-3	12	2	1.5	0.5		1.41	39	4	4	Yellow	
T108	(1129×6307) × 6264	064-3	14	1	1			1.19	40	4	4	Purple	

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

<sup>2</sup> Flavor (1 judge):

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

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