



United States Department of Agriculture

Research, Education, and Economics  
Agricultural Research Service

March 4, 2013

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 2013 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 2013

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>											
B301	Uppercut	Nunhems		1	8	7		3.38		4	3
B302	Propeel	Seminis		1	6	6.5	2.5	3.66		4	3
B303	Imperial Cuts	Integra		0.5	5	9	1.5	3.72		4	3
B304	(S.C. x 2327) x 9785	287-3		8	13	1		2.68	57	4	3
B305	(6253 x 2144) x 1391 ☆☆	110-5	3	8.5	9.5	1		2.39	77	4	3
B306	Copperhead	Sakata	1.5	9	7.5	4		2.64	62	4.5	4
B307	(9253 x 9788) x 2574	156-6		4	5	11	2	3.50	11	4	3
B308	KXPC-107	Integra		3	15	4		3.05	34	4	3
B309	(6253 x 6333) x 2574	156-4	1	4	12	5		2.95	38	4	3
B310	(2144 x 6253) x 2575	157-3			7.5	11.5	2	3.74	5	4	3
B311	(1111 x 7553) x 2577	159-2		10	11	1		2.59	65	4	3
B312	(9253 x 7551) x 1408	050-2	3	7	11	1		2.45	74	4	3
B313	CR 1640	Seminis		4.5	12	5	0.5	3.07	33	3.5	3
B314	(2144 x 2126) x 0571	906-4	2.5	8	11	0.5		2.43	76	4	3
B315	(7254 x 7551) x 1386	109-2	2	11	8	1		2.36	81	4	3
B316	NBC N367	Nunhems	3	8	6.5	4.5		2.57	68	4	3.5
B317	(9256 x 7551) x 1391 ☆	110-4	4	7	9.5	1.5		2.39	78	4	3
B318	(9253 x 7551) x 2304	247-3		4	12	6		3.09	31	4	3
B319	(9253 x 9788) x 2575	157-5		5	7	10		3.23	23	4	3
B320	KXPC-514	Integra		4	10	7	1	3.23	24	3.5	3
B321	(9253 x 7551) x 2576	158-4		3	13	6		3.14	29	3.5	3
B322	S.C. x 2301	245-2		4	6.5	8	3.5	3.50	12	3.5	3
B323	(9253 x 9788) x 2577	159-5		5	13.5	3.5		2.93	41	2.5	3
B324	(9265 x 7551) x 4001 ☆	263-3	9.5	7	5.5			1.82	94	3.5	3
B325	(9253 x 9788) x 3725	289-2		3	9.5	7	2.5	3.41	15	4	3
B326	Tastypeel	Seminis	1	7	11	3		2.73	52	4	3
B327	(9253 x 9788) x 4001 ☆	263-4	2	5	11.5	2.5		2.69	56	3.5	3
B328	(6253 x 6333) x 2577	159-3		3.5	9	9.5		3.27	20	4	3
B329	(6253 x 2144) x 1397	039-3		2	7	12	1	3.55	9	4	3
B330	(9253 x 7551) x 1397	039-5		2	10.5	8.5	1	3.39	16	4	3
B331	(6253 x 2144) x 1398	040-2	5.5	9.5	5	2		2.16	87	4	3
B332	Uppercut	Nunhems		3.5	10	6.5	2	3.32	18	4	3
B333	(6333 x 6366) x 1397	039-4	1	6	12.5	1.5	1	2.80	47	4	3
B334	(6253 x 2144) x 1406	048-2	2	10.5	8.5	1		2.39	79	4	3
B335	Propeel	Seminis		5	7	9		3.19	26	3.5	3
B336	(9256 x 7551) x 1405	047-6	1	3.5	12	4.5		2.95	39	3.5	3
B337	(2144 x 7553) x 1403	045-6	3.5	11	7.5			2.18	85	4	3
B338	(6253 x 2144) x 1386	109-5	3.5	7	8.5	3		2.50	72	4	3
B339	PS 1441	Seminis		1.5	5	10	5.5	3.89	2	4	3
B340	(9253 x 9788) x 2301	245-5		2.5	7	6	6.5	3.75	4	4	3
B341	KXPC-506	Integra	2	7	9	2.5	0.5	2.64	61	4	3
B342	(5280 x 6366) x 0569	904-2	4.5	7.5	5	4	1	2.52	71	3.5	3
B343	(6253 x 2144) x 0575	910-3		6	13.5	2	0.5	2.86	45	3	3
B344	(S.C. x 9788) x 2304	247-2	2	8	7	5		2.68	58	4	3
B345	FCR 12013	Sakata	1	2	5	12.5	1.5	3.52	10	4	3
B346	(5280 x 6366) x Long	220-4	2.5	10	6.5	2		2.38	80	4	3
B347	(6366 x 8378) x 7403	240-7	6	14	2			1.82	95	4	3
B348	FCR 12027	Sakata		5	16			2.76	50	4	3
B349	(9253 x 9788) x 1402	044-5	1	8	8.5	3.5	1	2.80	48	3.5	3
B350	CandySnax	Nunhems		1	12	7	1	3.38	17	4	3
B351	(9253 x 7551) x 2301	245-3		3	7.5	9	2.5	3.50	13	3.5	3

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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
B352	CR 1706	Seminis		3	10	9		3.27	21	4	3
B353	(7254 x 7551) x 1405	045-5	4	9	9			2.23	84	4	3
B354	(9253 x 9788) x 1403	045-5	4	10.5	5.5	2		2.25	83	4	3
B355	(7254 x 7551) x 1404	046-5	2	9.5	7.5	2	1	2.57	69	4	3
B356	KXPC-306	Integra	2	8	9	2	1	2.64	63	4.5	3.5
B357	(6253 x 2144) x 4001 ☆	263-5	6.5	10	4.5	1		2.00	89	3.5	3
B358	VH 133	Vilmorin	2	8	8	3		2.57	67	4	3
B359	(9253 x 7551) x 1138	076-3	8.5	7	6.5			1.91	93	4	3
B360	(9265 x 7551) x 2301	245-4		1	5.5	9.5	4	3.83	3	3.5	3
B361	(9253 x 7551) x (FN2-9 x 2302)	033-4	1	8	10.5	1.5	1	2.70	54	3.5	3
B362	(1111 x 7553) x 1402	044-6	1	8.5	10	2.5		2.64	64	4.5	3
B363	FCR 12044	Sakata	2	3.5	11	5.5		2.91	42	4	3
B364	CrispyCut	Nunhems		2	9.5	9	1.5	3.45	14	4	3
B365	(1111 x 7551) x 1408	050-6	2	7	10	2	1	2.68	59	4	3
B366	(5280 x 6366) x 1405	047-4	1	6	11.5	3.5		2.80	49	4	3
B367	(5280 x 6366) x 0571	906-2		4	16	2		2.91	43	4	3
B368	(8233 x 7553) x 3724	287-2		5.5	10.5	5		2.98	37	3	3
B369	(6253 x 2144) x 0572	907-3	3.5	8	7.5	3		2.45	75	3.5	3
B370	(2144 x 2126) x 0568	903-4	7.5	7	7.5			2.00	90	4	3
B371	KXPC-222	Integra	4	6	5.5	4	1.5	2.67	60	4	3
B372	(6253 x 2144) x 0572	912-3	2	5	6	7	2	3.09	32	4	3
B373	(9253 x 7551) x 4001 ☆	263-2	4	8.5	8.5	1		2.30	82	4	3
B374	NUN 85930	Nunhems	1	5	9	5	1	3.00	35	4	3
B375	(9253 x 7551) x 1391 ☆	110-3		10	11.5	0.5		2.57	70	4	3
B376	(9253 x 9788) x 9785	286-7	1	3	7.5	3.5	7	3.57	8	4	3
B377	(9253 x 7551) x 6526 ☆	271-5	7.5	9.5	4	1		1.93	92	4	3
B378	KXPC-516	Integra	1	4.5	8	5	3.5	3.25	22	4	3
B379	(S.C. x 6526) x 8542 ☆☆	141-2	8.5	9	4.5			1.82	96	4	3
B380	(9253 x 9788) x 2304	247-5		6	11.5	3.5	1	2.98	36	4	3
B381	(7254 x 7551) x 8542 ☆	141-4	6	9.5	6	0.5		2.05	88	3.5	3
B382	FCR 12039	Sakata		1.5	8	7.5	4	3.67	6	4	3
B383	(6253 x 2144) x 2304	247-6	1	5	15.5	0.5		2.70	55	4	3
B384	(6253 x 2144) x 9256	395-2	1.5	8	10.5	2		2.59	66	4	3
B385	(5280 x 7808) x 6253	641-3	5	13	4			1.95	91	4	3
B386	(2302 x 6366) x 7322	168-5	4.5	10.5	5		1	2.17	86	4.5	3
B387	VH 182	Vilmorin	1	6.5	10	3.5		2.76	51	3.5	3
B388	(9253 x 7551) x 9785	286-5	0.5	6	12.5	3		2.82	46	4	3
B389	(6253 x 2144) x 3725	289-3	1	9	6	5		2.71	53	4	3
B390	FCR 12040	Sakata	1	6.5	8	3.5	2	2.95	40	4	3
B391	(9256 x 7551) x 9785	286-6			4.5	10.5	7	4.11	1	4	3
B392	(6333 x 6366) x (FN2-9 x 2302)	033-3		3	11	6.5	0.5	3.21	25	4	3
B393	Imperial Cuts	Integra		4	10.5	5.5	1	3.17	27	4	3
B394	(5280 x 6366) x (FN2-9 x 2302)	033-2	1	6	10	4	1	2.91	44	4.5	3
B395	HoneySnax	Nunhems		3.5	13	3.5	1	3.10	30	4.5	3.5
B396	(9265 x 7551) x 2304	247-4	1	3	9.5	7	0.5	3.14	28	3.5	3
B397	(2144 x 2126) x 1397	039-2		2	12	7.5	0.5	3.30	19	4	3
B398	(9256 x 7551) x 1408	050-4			10.5	8.5	2	3.60	7	4	3
B399	(5280 x 6366) x 1401	043-4		10.5	10.5			2.50	73	4	3

<sup>1</sup> Mean based on average of 22 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

Each ☆ indicates that one parent is a nematode resistant line

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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>											
B391	(9256 x 7551) x 9785	286-6			4.5	10.5	7	4.11	1	4	3
B339	PS 1441	Seminis		1.5	5	10	5.5	3.89	2	4	3
B360	(9265 x 7551) x 2301	245-4		1	5.5	9.5	4	3.83	3	3.5	3
B340	(9253 x 9788) x 2301	245-5		2.5	7	6	6.5	3.75	4	4	3
B310	(2144 x 6253) x 2575	157-3			7.5	11.5	2	3.74	5	4	3
B382	FCR 12039	Sakata		1.5	8	7.5	4	3.67	6	4	3
B398	(9256 x 7551) x 1408	050-4			10.5	8.5	2	3.60	7	4	3
B376	(9253 x 9788) x 9785	286-7	1	3	7.5	3.5	7	3.57	8	4	3
B329	(6253 x 2144) x 1397	039-3		2	7	12	1	3.55	9	4	3
B345	FCR 12013	Sakata	1	2	5	12.5	1.5	3.52	10	4	3
B307	(9253 x 9788) x 2574	156-6		4	5	11	2	3.50	11	4	3
B322	S.C. x 2301	245-2		4	6.5	8	3.5	3.50	12	3.5	3
B351	(9253 x 7551) x 2301	245-3		3	7.5	9	2.5	3.50	13	3.5	3
B364	CrispyCut	Nunhems		2	9.5	9	1.5	3.45	14	4	3
B325	(9253 x 9788) x 3725	289-2		3	9.5	7	2.5	3.41	15	4	3
B330	(9253 x 7551) x 1397	039-5		2	10.5	8.5	1	3.39	16	4	3
B350	CandySnax	Nunhems		1	12	7	1	3.38	17	4	3
B332	Uppercut	Nunhems		3.5	10	6.5	2	3.32	18	4	3
B397	(2144 x 2126) x 1397	039-2		2	12	7.5	0.5	3.30	19	4	3
B328	(6253 x 6333) x 2577	159-3		3.5	9	9.5		3.27	20	4	3
B352	CR 1706	Seminis		3	10	9		3.27	21	4	3
B378	KXPC-516	Integra	1	4.5	8	5	3.5	3.25	22	4	3
B319	(9253 x 9788) x 2575	157-5		5	7	10		3.23	23	4	3
B320	KXPC-514	Integra		4	10	7	1	3.23	24	3.5	3
B392	(6333 x 6366) x (FN2-9 x 2302)	033-3		3	11	6.5	0.5	3.21	25	4	3
B335	Propeel	Seminis		5	7	9		3.19	26	3.5	3
B393	Imperial Cuts	Integra		4	10.5	5.5	1	3.17	27	4	3
B396	(9265 x 7551) x 2304	247-4	1	3	9.5	7	0.5	3.14	28	3.5	3
B321	(9253 x 7551) x 2576	158-4		3	13	6		3.14	29	3.5	3
B395	HoneySnax	Nunhems		3.5	13	3.5	1	3.10	30	4.5	3.5
B318	(9253 x 7551) x 2304	247-3		4	12	6		3.09	31	4	3
B372	(6253 x 2144) x 0572	912-3	2	5	6	7	2	3.09	32	4	3
B313	CR 1640	Seminis		4.5	12	5	0.5	3.07	33	3.5	3
B308	KXPC-107	Integra		3	15	4		3.05	34	4	3
B374	NUN 85930	Nunhems	1	5	9	5	1	3.00	35	4	3
B380	(9253 x 9788) x 2304	247-5		6	11.5	3.5	1	2.98	36	4	3
B368	(8233 x 7553) x 3724	287-2		5.5	10.5	5		2.98	37	3	3
B309	(6253 x 6333) x 2574	156-4	1	4	12	5		2.95	38	4	3
B336	(9256 x 7551) x 1405	047-6	1	3.5	12	4.5		2.95	39	3.5	3
B390	FCR 12040	Sakata	1	6.5	8	3.5	2	2.95	40	4	3
B323	(9253 x 9788) x 2577	159-5		5	13.5	3.5		2.93	41	2.5	3
B363	FCR 12044	Sakata	2	3.5	11	5.5		2.91	42	4	3
B367	(5280 x 6366) x 0571	906-2		4	16	2		2.91	43	4	3
B394	(5280 x 6366) x (FN2-9 x 2302)	033-2	1	6	10	4	1	2.91	44	4.5	3
B343	(6253 x 2144) x 0575	910-3		6	13.5	2	0.5	2.86	45	3	3
B388	(9253 x 7551) x 9785	286-5	0.5	6	12.5	3		2.82	46	4	3
B333	(6333 x 6366) x 1397	039-4	1	6	12.5	1.5	1	2.80	47	4	3
B349	(9253 x 9788) x 1402	044-5	1	8	8.5	3.5	1	2.80	48	3.5	3
B366	(5280 x 6366) x 1405	047-4	1	6	11.5	3.5		2.80	49	4	3
B348	FCR 12027	Sakata		5	16			2.76	50	4	3
B387	VH 182	Vilmorin	1	6.5	10	3.5		2.76	51	3.5	3

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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
B326	Tastypeel	Seminis	1	7	11	3		2.73	52	4	3
B389	(6253 x 2144) x 3725	289-3	1	9	6	5		2.71	53	4	3
B361	(9253 x 7551) x (FN2-9 x 2302)	033-4	1	8	10.5	1.5	1	2.70	54	3.5	3
B383	(6253 x 2144) x 2304	247-6	1	5	15.5	0.5		2.70	55	4	3
B327	(9253 x 9788) x 4001 ☆	263-4	2	5	11.5	2.5		2.69	56	3.5	3
B304	(S.C. x 2327) x 9785	287-3		8	13	1		2.68	57	4	3
B344	(S.C. x 9788) x 2304	247-2	2	8	7	5		2.68	58	4	3
B365	(1111 x 7551) x 1408	050-6	2	7	10	2	1	2.68	59	4	3
B371	KXPC-222	Integra	4	6	5.5	4	1.5	2.67	60	4	3
B341	KXPC-506	Integra	2	7	9	2.5	0.5	2.64	61	4	3
B306	Copperhead	Sakata	1.5	9	7.5	4		2.64	62	4.5	4
B356	KXPC-306	Integra	2	8	9	2	1	2.64	63	4.5	3.5
B362	(1111 x 7553) x 1402	044-6	1	8.5	10	2.5		2.64	64	4.5	3
B311	(1111 x 7553) x 2577	159-2		10	11	1		2.59	65	4	3
B384	(6253 x 2144) x 9256	395-2	1.5	8	10.5	2		2.59	66	4	3
B358	VH 133	Vilmorin	2	8	8	3		2.57	67	4	3
B316	NBC N367	Nunhems	3	8	6.5	4.5		2.57	68	4	3.5
B355	(7254 x 7551) x 1404	046-5	2	9.5	7.5	2	1	2.57	69	4	3
B375	(9253 x 7551) x 1391 ☆	110-3		10	11.5	0.5		2.57	70	4	3
B342	(5280 x 6366) x 0569	904-2	4.5	7.5	5	4	1	2.52	71	3.5	3
B338	(6253 x 2144) x 1386	109-5	3.5	7	8.5	3		2.50	72	4	3
B399	(5280 x 6366) x 1401	043-4		10.5	10.5			2.50	73	4	3
B312	(9253 x 7551) x 1408	050-2	3	7	11	1		2.45	74	4	3
B369	(6253 x 2144) x 0572	907-3	3.5	8	7.5	3		2.45	75	3.5	3
B314	(2144 x 2126) x 0571	906-4	2.5	8	11	0.5		2.43	76	4	3
B305	(6253 x 2144) x 1391 ☆☆	110-5	3	8.5	9.5	1		2.39	77	4	3
B317	(9256 x 7551) x 1391 ☆	110-4	4	7	9.5	1.5		2.39	78	4	3
B334	(6253 x 2144) x 1406	048-2	2	10.5	8.5	1		2.39	79	4	3
B346	(5280 x 6366) x Long	220-4	2.5	10	6.5	2		2.38	80	4	3
B315	(7254 x 7551) x 1386	109-2	2	11	8	1		2.36	81	4	3
B373	(9253 x 7551) x 4001 ☆	263-2	4	8.5	8.5	1		2.30	82	4	3
B354	(9253 x 9788) x 1403	045-5	4	10.5	5.5	2		2.25	83	4	3
B353	(7254 x 7551) x 1405	045-5	4	9	9			2.23	84	4	3
B337	(2144 x 7553) x 1403	045-6	3.5	11	7.5			2.18	85	4	3
B386	(2302 x 6366) x 7322	168-5	4.5	10.5	5		1	2.17	86	4.5	3
B331	(6253 x 2144) x 1398	040-2	5.5	9.5	5	2		2.16	87	4	3
B381	(7254 x 7551) x 8542 ☆	141-4	6	9.5	6	0.5		2.05	88	3.5	3
B357	(6253 x 2144) x 4001 ☆	263-5	6.5	10	4.5	1		2.00	89	3.5	3
B370	(2144 x 2126) x 0568	903-4	7.5	7	7.5			2.00	90	4	3
B385	(5280 x 7808) x 6253	641-3	5	13	4			1.95	91	4	3
B377	(9253 x 7551) x 6526 ☆	271-5	7.5	9.5	4	1		1.93	92	4	3
B359	(9253 x 7551) x 1138	076-3	8.5	7	6.5			1.91	93	4	3
B324	(9265 x 7551) x 4001 ☆	263-3	9.5	7	5.5			1.82	94	3.5	3
B347	(6366 x 8378) x 7403	240-7	6	14	2			1.82	95	4	3
B379	(S.C. x 6526) x 8542 ☆☆	141-2	8.5	9	4.5			1.82	96	4	3
B301	Uppercut	Nunhems		1	8	7		3.38		4	3
B302	Propeel	Seminis		1	6	6.5	2.5	3.66		4	3
B303	Imperial Cuts	Integra		0.5	5	9	1.5	3.72		4	3

<sup>1</sup> Mean based on average of 22 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

Each ☆ indicates that one parent is 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
<b>Entries Listed by Field Number</b>											
C301	Maverick	Nunhems		2	7.5	6.5	1	3.38		4.5	3.5
C302	Olympus	Sakata			5.5	7.5	4	3.91		4	3
C303	(3035 x 3999) x 5438 ☆	267-3		8.5	11.5	2		2.70	26	4	3
C304	(7550 x 2327) x 6526 ☆	271-3	2	9	11			2.41	41	4	3
C305	FCR 12080	Sakata	2	4	5	10	1	3.18	11	4	3
C306	(S.C. x 7553) x 6526 ☆	271-4	2	9	8	3		2.55	35	3.5	3
C307	Bj 2951	Bejo	1	2	5.5	6.5	7	3.75	3	4	3
C308	((S.C. x 3999) x 4002 ☆☆	265-3	11	4.5	3.5	1		1.73	57	2.5	3
C309	(6366 x 5238) x 4002 ☆	265-4	3	10	5.5	1	1.5	2.43	40	3	3
C310	Maverick	Nunhems		4	10	6	2	3.27	10	4	3
C311	(5280 x 6366) x 7254	752-3		3	9	8	2	3.41	6	4	3
C312	FCR 12077	Sakata		2	4.5	11	4.5	3.82	2	4	3.5
C313	(S.C. x 2327) x 9785	286-3	3	13	5	1		2.18	50	4	3
C314	NUN 85180	Nunhems	4	5.5	10.5	2		2.48	37	4	3
C315	PX 0710 2289	Seminis	1	5	12	3	1	2.91	18	4	3
C316	(S.C. x 7553) x 9785	286-4	4	13	5			2.05	53	3	3
C317	(3035 x 2144) x 8542 ☆	282-2	2	8.5	8	3.5		2.59	33	3.5	3
C318	(6526 x 2144) x 8542 ☆	282-3	4	8	8	2		2.36	42	4	3
C319	FCR 12092	Sakata		1	13	7	1	3.36	7	4	3
C320	(3035 x 3999) x 8542 ☆☆	282-4	3	7.5	9.5	2		2.48	38	4	3
C321	(6366 x 5238) x 8542 ☆	282-5		5.5	9	7.5		3.09	14	3	3
C322	(3035 x 2144) x 8483 ☆	279-2	5	8.5	6.5	2		2.25	48	4.5	3
C323	(6526 x 2144) x 8483 ☆	279-3	3	8	9	2		2.45	39	4	3
C324	(3035 x 3999) x 8483 ☆☆	279-4	1	8.5	10.5	2		2.61	31	4	3
C325	(6038 x 2327) x 6526 ☆	271-2	3	9	9	1		2.36	43	4	3
C326	(5280 x 6366) x 8233	031-11	2	7	8.5	3.5	1	2.75	23	4	3
C327	(9253 x 7551) x 2306 ☆	248-2	2	6.5	10.5	3		2.66	29	4.5	3
C328	KXPC-020	Integra	2	6	9.5	4	0.5	2.77	21	4	3
C329	(9265 x 7551) x 2306 ☆	248-3	2	4.5	12	3.5		2.77	22	3.5	3
C330	Dominion	Seminis	1	3	8	8	2	3.32	8	4.5	3
C331	(6253 x 2144) x 2306 ☆	248-5		5.5	9	6	1.5	3.16	12	4	3
C332	FCR 12070	Sakata		9.5	10	1.5	1	2.73	24	4	3
C333	(3035 x 3999) x 2735 ☆	272-4	1	14	6	1		2.32	47	4	3
C334	Choctaw	Nunhems		7	7	8		3.05	15	4	3
C335	(8524 x 9324) x 2735 ☆☆	272-5	4	11.5	6.5			2.11	52	4	3.5
C336	(6333 x 8233) x 6526 ☆	162-5		10.5	9.5	2		2.61	32	4	3
C337	(5280 x 7808) x 8503 ☆	246-6		10.5	9.5	1.5	0.5	2.64	30	4	3
C338	(6038 x 2327) x 9785	286-2	6	7	8.5	0.5		2.16	51	4	3
C339	(6366 x 5238) x 1175 ☆	256-4	4	8	8	2		2.36	44	3.5	3
C340	(2126 x 3999) x 1175 ☆☆	256-5	2	13	7			2.23	49	4	3
C341	Yosemite	Vilmorin	5	11.5	5.5			2.02	54	4	3
C342	(6366 x 5238) x 8483 ☆	279-5	2	5.5	11.5	3		2.70	27	4	3
C343	KXPC-404	Integra	4	4	8	5		2.67	28	4	3
C344	Rebel	Nunhems		1.5	3	13.5	4	3.91	1	4	3
C345	(3035 x 2144) x 2735	272-2	2	3.5	13.5	3		2.80	20	4.5	3
C346	(6526 x 2144) x 2735	272-3	2	10.5	9.5			2.34	46	4	3
C347	(7241 x 2126) x 0186	135-2		7	14	1		2.73	25	4	3
C348	Sequoia	Vilmorin	1.5	1	11.5	5	3	3.32	9	4	3
C349	(2126 x 399B) x 4002 ☆☆	265-5	15	5	2			1.41	58	4	3
C350	dOr. S.C. x 2327	259-2	7	10	5			1.91	56	4	3
C351	NUN 85021	Nunhems	1	9	11	1		2.55	36	4	3
C352	(3035 x 3999) x 2327 ☆	259-3	1	5.5	9.5	4	2	3.02	16	4	3
C353	FCR 12089	Sakata	1	2	8	7	4	3.50	5	4	3
C354	(2144 x 8503) x 8524 ☆☆	176-7	8	6.5	6.5	1		2.02	55	4	3

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
C355	(S.C. x 3999) x 2327 ☆	259-4	5	8	5	4	2.36	45	4	3	
C356	Olympus	Sakata	1.5	6.5	8	4.5	1.5	2.91	19	4	3
C357	(6366 x 5238) x 2327	259-5	4.5	3.5	11	3	2.57	34	4	3	
C358	(3035 x 3999) x 1175 ☆☆	256-2		5	13.5	3.5	2.93	17	4	3	
C359	Trooper	Nunhems		2	6	10.5	3.5	3.70	4	4	3
C360	(S.C. x 3999) x 1175 ☆☆	256-3		5	10.5	5.5	1	3.11	13	4	3

<sup>1</sup> Mean based on average of 22 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

Each ☆ indicates that one parent is 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
<b>Entries Listed by Rank</b>											
C344	Rebel	Nunhems		1.5	3	13.5	4	3.91	1	4	3
C312	FCR 12077	Sakata		2	4.5	11	4.5	3.82	2	4	3.5
C307	Bj 2951	Bejo	1	2	5.5	6.5	7	3.75	3	4	3
C359	Trooper	Nunhems		2	6	10.5	3.5	3.70	4	4	3
C353	FCR 12089	Sakata	1	2	8	7	4	3.50	5	4	3
C311	(5280 x 6366) x 7254	752-3		3	9	8	2	3.41	6	4	3
C319	FCR 12092	Sakata		1	13	7	1	3.36	7	4	3
C330	Dominion	Seminis	1	3	8	8	2	3.32	8	4.5	3
C348	Sequoia	Vilmorin	1.5	1	11.5	5	3	3.32	9	4	3
C310	Maverick	Nunhems		4	10	6	2	3.27	10	4	3
C305	FCR 12080	Sakata	2	4	5	10	1	3.18	11	4	3
C331	(6253 x 2144) x 2306 ☆	248-5		5.5	9	6	1.5	3.16	12	4	3
C360	(S.C. x 3999) x 1175 ☆☆☆	256-3		5	10.5	5.5	1	3.11	13	4	3
C321	(6366 x 5238) x 8542 ☆	282-5		5.5	9	7.5		3.09	14	3	3
C334	Choctaw	Nunhems		7	7	8		3.05	15	4	3
C352	(3035 x 3999) x 2327 ☆	259-3	1	5.5	9.5	4	2	3.02	16	4	3
C358	(3035 x 3999) x 1175 ☆☆☆	256-2		5	13.5	3.5		2.93	17	4	3
C315	PX 0710 2289	Seminis	1	5	12	3	1	2.91	18	4	3
C356	Olympus	Sakata	1.5	6.5	8	4.5	1.5	2.91	19	4	3
C345	(3035 x 2144) x 2735	272-2	2	3.5	13.5	3		2.80	20	4.5	3
C328	KXPC-020	Integra	2	6	9.5	4	0.5	2.77	21	4	3
C329	(9265 x 7551) x 2306 ☆	248-3	2	4.5	12	3.5		2.77	22	3.5	3
C326	(5280 x 6366) x 8233	031-11	2	7	8.5	3.5	1	2.75	23	4	3
C332	FCR 12070	Sakata		9.5	10	1.5	1	2.73	24	4	3
C347	(7241 x 2126) x 0186	135-2		7	14	1		2.73	25	4	3
C303	(3035 x 3999) x 5438 ☆	267-3		8.5	11.5	2		2.70	26	4	3
C342	(6366 x 5238) x 8483 ☆	279-5	2	5.5	11.5	3		2.70	27	4	3
C343	KXPC-404	Integra	4	4	8	5		2.67	28	4	3
C327	(9253 x 7551) x 2306 ☆	248-2	2	6.5	10.5	3		2.66	29	4.5	3
C337	(5280 x 7808) x 8503 ☆	246-6		10.5	9.5	1.5	0.5	2.64	30	4	3
C324	(3035 x 3999) x 8483 ☆☆☆	279-4	1	8.5	10.5	2		2.61	31	4	3
C336	(6333 x 8233) x 6526 ☆	162-5		10.5	9.5	2		2.61	32	4	3
C317	(3035 x 2144) x 8542 ☆	282-2	2	8.5	8	3.5		2.59	33	3.5	3
C357	(6366 x 5238) x 2327	259-5	4.5	3.5	11	3		2.57	34	4	3
C306	(S.C. x 7553) x 6526 ☆	271-4	2	9	8	3		2.55	35	3.5	3
C351	NUN 85021	Nunhems	1	9	11	1		2.55	36	4	3
C314	NUN 85180	Nunhems	4	5.5	10.5	2		2.48	37	4	3
C320	(3035 x 3999) x 8542 ☆☆☆	282-4	3	7.5	9.5	2		2.48	38	4	3
C323	(6526 x 2144) x 8483 ☆	279-3	3	8	9	2		2.45	39	4	3
C309	(6366 x 5238) x 4002 ☆	265-4	3	10	5.5	1	1.5	2.43	40	3	3
C304	(7550 x 2327) x 6526 ☆	271-3	2	9	11			2.41	41	4	3
C318	(6526 x 2144) x 8542 ☆	282-3	4	8	8	2		2.36	42	4	3
C325	(6038 x 2327) x 6526 ☆	271-2	3	9	9	1		2.36	43	4	3
C339	(6366 x 5238) x 1175 ☆	256-4	4	8	8	2		2.36	44	3.5	3
C355	(S.C. x 3999) x 2327 ☆	259-4	5	8	5	4		2.36	45	4	3
C346	(6526 x 2144) x 2735	272-3	2	10.5	9.5			2.34	46	4	3
C333	(3035 x 3999) x 2735 ☆	272-4	1	14	6	1		2.32	47	4	3
C322	(3035 x 2144) x 8483 ☆	279-2	5	8.5	6.5	2		2.25	48	4.5	3
C340	(2126 x 3999) x 1175 ☆☆☆	256-5	2	13	7			2.23	49	4	3
C313	(S.C. x 2327) x 9785	286-3	3	13	5	1		2.18	50	4	3
C338	(6038 x 2327) x 9785	286-2	6	7	8.5	0.5		2.16	51	4	3
C335	(8524 x 9324) x 2735 ☆☆☆	272-5	4	11.5	6.5			2.11	52	4	3.5
C316	(S.C. x 7553) x 9785	286-4	4	13	5			2.05	53	3	3
C341	Yosemite	Vilmorin	5	11.5	5.5			2.02	54	4	3



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
C354	(2144 x 8503) x 8524 ☆☆	176-7	8	6.5	6.5	1	2.02	55	4	3	
C350	dOr. S.C. x 2327	259-2	7	10	5		1.91	56	4	3	
C308	((S.C. x 3999) x 4002 ☆☆	265-3	11	4.5	3.5	1	1.73	57	2.5	3	
C349	(2126 x 399B) x 4002 ☆☆	265-5	15	5	2		1.41	58	4	3	
C301	Maverick	Nunhems		2	7.5	6.5	1	3.38		4.5	3.5
C302	Olympus	Sakata			5.5	7.5	4	3.91		4	3

<sup>1</sup> Mean based on average of 22 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

Each ☆ indicates that one parent is a nematode resistant line

Entry	Pedigree or Name	Source	Number of Judges Placing in Class					Mean <sup>1</sup>	Rank	Flavor <sup>2</sup>			Color
			1	2	3	4	5			H	S		
<b>Entries Listed by Field Number</b>													
T301	(7262 x 6308) x 6245	062-4	2	6.5	5	4.5	2.67	24	4	3		Purple	
T302	6523 x 8438	277-2		6	8	4	2.89	18	4	3		Purple	
T303	White Satin	Bejo	2	6	6	4	2.67	25	2.5	3		White	
T304	(S.C. x 6220) x 8201	275-2	1	9	2.5	4.5	1	2.75	21	4	3	Red	
T305	(5280 x 6366) x Red	411-2	1	10.5	5.5		1	2.42	29	4	3	Red	
T306	(S.C. x 6259) x 8201	275-3	1	6	9	1	1	2.72	22	4	3	Red	
T307	(7001 x 6637) x 8197	067-3	5	7	3	3		2.22	36	4	3	Red	
T308	Purple Haze	Bejo	1	7	3.5	4	2.5	3.00	14	4	3	Purple	
T309	(S.C. x 0148) x 8201	275-4	4	4	3	4.5	2.5	2.86	20	4.5	4	Red	
T310	Seed Movement White	885-1	3	10.5	2.5	0.5	1.5	2.28	35	3	3	White	
T311	Mello Yello	Bejo	1	6	6	4	1	2.89	19	4	3	Yellow	
T312	8201 x 8197	273-2	2	2	9	3	2	3.06	12	4	3	Red	
T313	(S.C. x 6220) x 8197	273-3	3	11.5	1.5	1	1	2.19	37	4	3	Red	
T314	Yellow Bunch	Nunhems		1.5	9.5	4	3	3.47	5	4.5	3.5	Yellow	
T315	(8197 x P.I.) x 8201	131-3	1	5.5	6.5	4	1	2.92	16	4	3	Red	
T316	(S.C. x 6259) x 8197	273-4	2	6	6	3	1	2.72	23	4	3	Red	
T317	PurpleSnax	Nunhems	1	2	5	4.5	5.5	3.64	3	4	3	Purple	
T318	WAR x JOD	102-4	1	3	9.5	3.5	1	3.03	13	4	3	Yellow	
T319	(S.C. x 0148) x 8197	273-5		3	11	2.5	1.5	3.14	8	4	3	Red	
T320	(RedS.C. x 6259) x 8201	131-2	1	2	2	9	4	3.72	1	4	3	Red	
T321	RedS.C. x (0148,6220)	252-4	2	3	5	7	1	3.11	10	4	3	Red	
T322	(6306 x 6264) x 6253	126-5	6	12				1.67	40	4	3	Purple	
T323	(6139 x 6245) x 6360	125-5	1	5.5	6	5	0.5	2.92	17	4	3	Purple	
T324	NUN 89201	Nunhems		2	6.5	7.5	2	3.53	4	4	3	Cream	
T325	(1129 x 8438) x 6308	123-7	3	8	5	2		2.33	31	4	3	Purple	
T326	Yellowstone	Bejo		5	5	6	2	3.28	6	3	3	Yellow	
T327	8502 x 8438	277-3	3	6.5	6	1.5	1	2.50	28	4	3	Purple	
T328	(S.C. x 0148) x 8438	277-4	5	5	5.5	2.5		2.31	33	4	3	Pu+Rd	
T329	Purple Sun	Bejo	2	8	5	2.5	0.5	2.53	27	4	3	Purple	
T330	(7262 x Trksh) x 9304	657-1	8	4	3.5	2.5		2.03	38	4	3	Purple	
T331	CreamPak	Nunhems	1	2	3.5	7	4.5	3.67	2	4	3	Cream	
T332	(2566 x 6253) x dark Yellow	310-2	2	2	5.5	6.5	2	3.25	7	4	3	Yellow	
T333	Deep Purple	Bejo		3	9.5	5.5		3.14	9	4	3	Purple	
T334	RedS.C. x (0148,6220)	252-2	1	3	8.5	4.5	1	3.08	11	4	3	Red	
T335	(5280 x 6366) x Red	412-5	2	6	7.5	2.5		2.58	26	4	3	Red	
T336	8255 x 6308	269-3	5	6	3	3	1	2.39	30	3.5	3	Purple	
T337	JOD x W. Belgian	916-1	3	8	5	2		2.33	32	2	4	Yellow	
T338	(1129 x 8438) x 6306	122-5	2	8.5	7.5			2.31	34	4	3	Purple	
T339	NUN 89141	Nunhems		5	10	2	1	2.94	15	4	3	White	
T340	(Purple S.C. x 6264) x 6360	133-4	7	6	5			1.89	39	4	3	Purple	

<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							Flavor <sup>2</sup>		
			1	2	3	4	5	Mean <sup>1</sup>	Rank	H	S	Color
<b>Entries Listed by Rank</b>												
T320	(RedS.C. x 6259) x 8201	131-2	1	2	2	9	4	3.72	1	4	3	Red
T331	CreamPak	Nunhems	1	2	3.5	7	4.5	3.67	2	4	3	Cream
T317	PurpleSnax	Nunhems	1	2	5	4.5	5.5	3.64	3	4	3	Purple
T324	NUN 89201	Nunhems		2	6.5	7.5	2	3.53	4	4	3	Cream
T314	Yellow Bunch	Nunhems		1.5	9.5	4	3	3.47	5	4.5	3.5	Yellow
T326	Yellowstone	Bejo		5	5	6	2	3.28	6	3	3	Yellow
T332	(2566 x 6253) x dark Yellow	310-2	2	2	5.5	6.5	2	3.25	7	4	3	Yellow
T319	(S.C. x 0148) x 8197	273-5		3	11	2.5	1.5	3.14	8	4	3	Red
T333	Deep Purple	Bejo		3	9.5	5.5		3.14	9	4	3	Purple
T321	RedS.C. x (0148,6220)	252-4	2	3	5	7	1	3.11	10	4	3	Red
T334	RedS.C. x (0148,6220)	252-2	1	3	8.5	4.5	1	3.08	11	4	3	Red
T312	8201 x 8197	273-2	2	2	9	3	2	3.06	12	4	3	Red
T318	WAR x JOD	102-4	1	3	9.5	3.5	1	3.03	13	4	3	Yellow
T308	Purple Haze	Bejo	1	7	3.5	4	2.5	3.00	14	4	3	Purple
T339	NUN 89141	Nunhems		5	10	2	1	2.94	15	4	3	White
T315	(8197 x P.I.) x 8201	131-3	1	5.5	6.5	4	1	2.92	16	4	3	Red
T323	(6139 x 6245) x 6360	125-5	1	5.5	6	5	0.5	2.92	17	4	3	Purple
T302	6523 x 8438	277-2		6	8	4		2.89	18	4	3	Purple
T311	Mello Yello	Bejo	1	6	6	4	1	2.89	19	4	3	Yellow
T309	(S.C. x 0148) x 8201	275-4	4	4	3	4.5	2.5	2.86	20	4.5	4	Red
T304	(S.C. x 6220) x 8201	275-2	1	9	2.5	4.5	1	2.75	21	4	3	Red
T306	(S.C. x 6259) x 8201	275-3	1	6	9	1	1	2.72	22	4	3	Red
T316	(S.C. x 6259) x 8197	273-4	2	6	6	3	1	2.72	23	4	3	Red
T301	(7262 x 6308) x 6245	062-4	2	6.5	5	4.5		2.67	24	4	3	Purple
T303	White Satin	Bejo	2	6	6	4		2.67	25	2.5	3	White
T335	(5280 x 6366) x Red	412-5	2	6	7.5	2.5		2.58	26	4	3	Red
T329	Purple Sun	Bejo	2	8	5	2.5	0.5	2.53	27	4	3	Purple
T327	8502 x 8438	277-3	3	6.5	6	1.5	1	2.50	28	4	3	Purple
T305	(5280 x 6366) x Red	411-2	1	10.5	5.5		1	2.42	29	4	3	Red
T336	8255 x 6308	269-3	5	6	3	3	1	2.39	30	3.5	3	Purple
T325	(1129 x 8438) x 6308	123-7	3	8	5	2		2.33	31	4	3	Purple
T337	JOD x W. Belgian	916-1	3	8	5	2		2.33	32	2	4	Yellow
T328	(S.C. x 0148) x 8438	277-4	5	5	5.5	2.5		2.31	33	4	3	Pu+Rd
T338	(1129 x 8438) x 6306	122-5	2	8.5	7.5			2.31	34	4	3	Purple
T310	Seed Movement White	885-1	3	10.5	2.5	0.5	1.5	2.28	35	3	3	White
T307	(7001 x 6637) x 8197	067-3	5	7	3	3		2.22	36	4	3	Red
T313	(S.C. x 6220) x 8197	273-3	3	11.5	1.5	1	1	2.19	37	4	3	Red
T330	(7262 x Trksh) x 9304	657-1	8	4	3.5	2.5		2.03	38	4	3	Purple
T340	(Purple S.C. x 6264) x 6360	133-4	7	6	5			1.89	39	4	3	Purple
T322	(6306 x 6264) x 6253	126-5	6	12				1.67	40	4	3	Purple

<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