



**United States Department of Agriculture**

Research, Education, and Economics  
Agricultural Research Service

March 21, 2015

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 2015 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.



Vegetable Crops Research Unit  
1575 Linden Drive, University of Wisconsin, Madison, WI 53706  
Voice - 608-264-5193 FAX - 608-262-4743  
Midwest Area

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## USDA California Carrot Trials 2015

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>											
B501	Propeel	Seminis		1	8	8		3.41		3.5	4
B502	UpperCut	Nunhems		1.5	6.5	8	2	3.58		4	4
B503	(7551 x 1131) x 9788	477-2		2.5	9	11.5	2	3.52	4	4	4
B504	VH210	Vilmorin		2.5	15	7.5		3.20	14	4	4
B505	9253 x 9788 <sup>2</sup>	477-5		3	7	11.5	3.5	3.62	3	3.5	4
B506	KXPC-520	Integra		1	7.5	10.5	6	3.86	1	4	4
B507	(7550 x 2327) x 9786	476-4	1	7	12.5	3.5	1	2.86	31	3.5	4
B508	(9253 x 7551) x 6191	491-4	1	4	12.5	6.5	1	3.10	17	4	4
B509	(7254 x 7551) x 6191	491-5	2	9	12.5	1.5		2.54	55	4	4
B510	VH180	Vilmorin		4	9.5	8.5	3	3.42	7	4	4
B511	(7550 x 2327) x 9786	476-5	1	2	11.5	9.5	1	3.30	11	4	3.5
B512	(9253 x 7551) x 2576	425-3		7.5	14	3.5		2.84	33	4	4
B513	KXPC-107	Integra	1	7.5	11.5	4	1	2.86	32	4	4.5
B514	(9253 x 7551) x 2576	425-4		1	14.5	9.5		3.34	8	4	4
B515	Propeel	Seminis		1	8	14.5	1.5	3.66	2	4	4
B516	(9253 x 9788) x 2576	425-5	3	10	9	3		2.48	57	3	4
B517	(S.C. x 9788) x 2306 ☆	421-3	11	8	3.5	0.5	2	1.98	86	4	4
B518	CandySnax	Nunhems	1	4	6.5	13	0.5	3.32	9	4	4
B519	(9253 x 7551) x 1401	412-5	10	10	5			1.80	95	4	4
B520	VH238	Vilmorin	4	9.5	9	1.5	1	2.44	62	4	4
B521	(9253 x 7551) x 0569	405-5	2	9.5	9.5	4		2.62	49	3	3.5
B522	FCR-13164	Sakata	3	10	9	3		2.48	58	4	4
B523	(S.C. x 9788) x 6191	491-2		7.5	12.5	5		2.90	29	3	4.5
B524	(9253 x 7551) x 6191	491-3	1	7	11	5	1	2.92	27	4	4
B525	(6253 x 2144) x 1386	109-5	3	13.5	6.5	2		2.30	71	4	4
B526	(6253 x 6333) x 2574	156-4	3	11	9	2		2.40	64	4	3.5
B527	(9253 x 7551) x 2576	158-4	4	14	7			2.12	83	4	4
B528	(9253 x 9788) x 2575	157-5	6	15	4			1.92	91	4	4
B529	(6253 x 6333) x 2577	159-3	6	11.5	7	0.5		2.08	84	4	4
B530	HoneySnax	Nunhems	3	10	10	2		2.44	63	4	3.5
B531	(9253 x 9788) x 2574	156-6	1	9	12.5	1.5	1	2.70	42	4	4
B532	(2144 x 6253) x 2575	157-3	1	9	10.5	4.5		2.74	39	4	4
B533	(S.C. x 9788) x 6190	490-2	7	12.5	4.5	1		1.98	87	4	4
B534	(S.C. x 9788) x 4622	363-3		4.5	11.5	9		3.18	15	4	4
B535	KXPC-577	Integra	1	3	6.5	11.5	3	3.50	5	4	4
B536	(7553 x 2327) x 4623	362-4	2	9	10	3	1	2.68	45	4	3.5
B537	(9253 x 7551) x 6190	490-3	5	10.5	8	1.5		2.24	77	3	3.5
B538	SV2765DC	Seminis	2	5.5	9.5	8		2.94	25	4.5	4
B539	(9253 x 7551) x 6190	490-4	1	6	15.5	2.5		2.78	36	4	4
B540	FCR-12042	Sakata	3	6.5	10.5	5		2.70	43	4	4.5
B541	(7254 x 7551) x 6190	490-5	2	12.5	7	3.5		2.48	59	3.5	4
B542	KXPC-306	Integra	3	13.5	7.5	1		2.26	76	4	4
B543	(7551 x 1131) x 9785	475-3	2	6	12	5		2.80	35	4	4
B544	VH182	Vilmorin	1	5	11.5	7.5		3.02	22	3	4
B545	(S.C. x 9788) x 9785	475-4	1	1.5	8.5	12.5	1.5	3.48	6	4	4
B546	(9253 x 7551) x 9785	475-5		2.5	15	5.5	2	3.28	12	4	4
B547	NUN 85931	Nunhems	2	5.5	8	7	2.5	3.10	18	4	4.5
B548	(7551 x 1131) x 4168	432-2	4	6	12.5	2.5		2.54	56	4	4
B549	FCR-13169	Sakata	1	6	10.5	7.5		2.98	23	3.5	4
B550	(S.C. x 9788) x 4168	432-4	10	5	5	5		2.20	80	4	4
B551	(9253 x 7551) x 4168	432-5	7	16	2			1.80	96	4	4

## USDA California Carrot Trials 2015

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
B552	S.C. x 3724	B124-3	5	9.5	8	2.5	2.32	69	4	4	
B553	(9256 x 7551) x 2304	247-4	7	12	6		1.96	89	4	4	
B554	(8233 x 7553) x 3724	287-2	2	4.5	13	4.5	1	2.92	28	4	4
B555	FCR-11740	Sakata	6	8	10	1	2.24	78	4	4	
B556	(9253 x 9788) x 2304	247-5		8.5	15	1.5	2.72	40	4	4	
B557	VH133	Vilmorin		9	10	5.5	0.5	2.90	30	4	4
B558	(9253 x 9788) x 3725	289-2	8	10	6.5	0.5	1.98	88	4	4	
B559	S.C. x 2301	245-2	6.5	9	7	2.5	2.22	79	4	4	
B560	(S.C. x 9788) x 4623	362-2	3	7	12	3	2.60	50	4	4	
B561	(5280 x 6366) x 1405	047-4	3	7.5	11	3.5	2.60	51	4	4	
B562	VH214	Vilmorin	2	10.5	8.5	4	2.58	53	4	4	
B563	(9253 x 9788) x 2301	245-5	5	10.5	6.5	3	2.30	72	4	4	
B564	(9256 x 7551) x 2301	245-4		6	8	8	3	3.32	10	4	4
B565	UpperCut	Nunhems	2	9	8.5	5	0.5	2.72	41	4	4
B566	(S.C. x 9788) x 9253	356-4	3	11.5	9	1.5	2.36	68	4	4	
B567	(9253 x 7551) x 2304	247-3	1	7	14	3	2.76	37	4	4	
B568	KXPC-060	Integra	1	8	8.5	6	1.5	2.96	24	4	4
B569	(9253 x 9788) x 9785	286-7		5	13	6.5	0.5	3.10	19	4	4
B570	FCR-14350	Sakata	4	7	8	3	3	2.76	38	4	4
B571	(7553 x 2327) x 4623	362-3		5.5	9.5	8.5	1.5	3.24	13	4	4
B572	KXPC-222	Integra	3	6	12	4	2.68	46	4	4	
B573	(S.C. x 9788) x 4622	363-5	2	8	13.5	1.5	2.58	54	3	3.5	
B574	CR1640	Seminis	3.5	10.5	11		2.30	73	4	4	
B575	(S.C. x 2327) x 9785	287-3	1	7	12	5	2.84	34	4	4	
B576	KXPC-506	Integra	2	8.5	10	4	0.5	2.70	44	4	4
B577	(9256 x 7551) x 9785	286-5	4	10.5	9	1.5	2.32	70	4	4	
B578	SlenderCut	Nunhems	3	3	8	10	1	3.12	16	4	4
B579	(9253 x 7551) x 2301	245-3	3	14.5	7	0.5	2.20	81	4	4	
B580	(9253 x 7551) x 1391	110-3	10	10.5	3.5	1	1.82	94	4	4	
B581	(2144 x 7553) x 1403	045-6	9.5	8.5	7		1.90	92	4	4	
B582	(2144 x 2126) x 1397	039-2	4	10	11		2.28	74	4	4	
B583	VH116	Vilmorin	5	8.5	8.5	2.5	0.5	2.40	65	4	4
B584	(6253 x 2144) x 1398	040-2	2	16	5	2	2.28	75	4	4	
B585	CR1706	Seminis	1	6	10	7	1	3.04	21	4	4.5
B586	(6333 x 6366) x Lng	033-3	6	14	5		1.96	90	4	4	
B587	CrispyCut	Nunhems	1	7	7.5	8.5	1	3.06	20	4	4
B588	(6333 x 6366) x 1397	039-4	2	11.5	9.5	2	2.46	61	4	4.5	
B589	FCR-13181	Sakata	2	4	13	5.5	0.5	2.94	26	4.5	4
B590	(9256 x 7551) x 1405	047-6	2	8.5	11	3.5	2.64	48	4	4	
B591	(9253 x 7551) x 1397	039-5	3	15	7		2.16	82	3.5	4	
B592	(6253 x 2144) x 1397	039-3	5	8.5	8.5	3	2.38	66	4	4	
B593	PS1441	Seminis	2	11.5	9	2.5	2.48	60	4	4	
B594	S.C. x 9788 <sup>2</sup>	477-3	2	9.5	10	3.5	2.60	52	4	4	
B595	VH195	Vilmorin	3	4	16.5	1.5	2.66	47	4	4	
B596	(9256 x 7551) x 9788	477-4	15	7.5	2	0.5	1.52	97	4	4	
B597	KXPC-576	Integra	6	13.5	5	0.5	2.00	85	4	4	
B598	(9253 x 9788) x 2577	159-5	9	11	4.5	0.5	1.86	93	4	4	
B599	(6253 x 2144) x 9793	361-2	5	7.5	9	2.5	2.38	67	4	4	

<sup>1</sup> Mean based on average of 25 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>											
B506	KXPC-520	Integra		1	7.5	10.5	6	3.86	1	4	4
B515	Propeel	Seminis		1	8	14.5	1.5	3.66	2	4	4
B505	9253 x 9788 <sup>2</sup>	477-5		3	7	11.5	3.5	3.62	3	3.5	4
B503	(7551 x 1131) x 9788	477-2			2.5	9	11.5	2	3.52	4	4
B535	KXPC-577	Integra	1	3	6.5	11.5	3	3.50	5	4	4
B545	(S.C. x 9788) x 9785	475-4	1	1.5	8.5	12.5	1.5	3.48	6	4	4
B510	VH180	Vilmorin		4	9.5	8.5	3	3.42	7	4	4
B514	(9253 x 7551) x 2576	425-4		1	14.5	9.5		3.34	8	4	4
B518	CandySnax	Nunhems	1	4	6.5	13	0.5	3.32	9	4	4
B564	(9256 x 7551) x 2301	245-4		6	8	8	3	3.32	10	4	4
B511	(7550 x 2327) x 9786	476-5	1	2	11.5	9.5	1	3.30	11	4	3.5
B546	(9253 x 7551) x 9785	475-5		2.5	15	5.5	2	3.28	12	4	4
B571	(7553 x 2327) x 4623	362-3		5.5	9.5	8.5	1.5	3.24	13	4	4
B504	VH210	Vilmorin		2.5	15	7.5		3.20	14	4	4
B534	(S.C. x 9788) x 4622	363-3		4.5	11.5	9		3.18	15	4	4
B578	SlenderCut	Nunhems	3	3	8	10	1	3.12	16	4	4
B508	(9253 x 7551) x 6191	491-4	1	4	12.5	6.5	1	3.10	17	4	4
B547	NUN 85931	Nunhems	2	5.5	8	7	2.5	3.10	18	4	4.5
B569	(9253 x 9788) x 9785	286-7		5	13	6.5	0.5	3.10	19	4	4
B587	CrispyCut	Nunhems	1	7	7.5	8.5	1	3.06	20	4	4
B585	CR1706	Seminis	1	6	10	7	1	3.04	21	4	4.5
B544	VH182	Vilmorin	1	5	11.5	7.5		3.02	22	3	4
B549	FCR-13169	Sakata	1	6	10.5	7.5		2.98	23	3.5	4
B568	KXPC-060	Integra	1	8	8.5	6	1.5	2.96	24	4	4
B538	SV2765DC	Seminis	2	5.5	9.5	8		2.94	25	4.5	4
B589	FCR-13181	Sakata	2	4	13	5.5	0.5	2.94	26	4.5	4
B524	(9253 x 7551) x 6191	491-3	1	7	11	5	1	2.92	27	4	4
B554	(8233 x 7553) x 3724	287-2	2	4.5	13	4.5	1	2.92	28	4	4
B523	(S.C. x 9788) x 6191	491-2		7.5	12.5	5		2.90	29	3	4.5
B557	VH133	Vilmorin		9	10	5.5	0.5	2.90	30	4	4
B507	(7550 x 2327) x 9786	476-4	1	7	12.5	3.5	1	2.86	31	3.5	4
B513	KXPC-107	Integra	1	7.5	11.5	4	1	2.86	32	4	4.5
B512	(9253 x 7551) x 2576	425-3		7.5	14	3.5		2.84	33	4	4
B575	(S.C. x 2327) x 9785	287-3	1	7	12	5		2.84	34	4	4
B543	(7551 x 1131) x 9785	475-3	2	6	12	5		2.80	35	4	4
B539	(9253 x 7551) x 6190	490-4	1	6	15.5	2.5		2.78	36	4	4
B567	(9253 x 7551) x 2304	247-3	1	7	14	3		2.76	37	4	4
B570	FCR-14350	Sakata	4	7	8	3	3	2.76	38	4	4
B532	(2144 x 6253) x 2575	157-3	1	9	10.5	4.5		2.74	39	4	4
B556	(9253 x 9788) x 2304	247-5		8.5	15	1.5		2.72	40	4	4
B565	UpperCut	Nunhems	2	9	8.5	5	0.5	2.72	41	4	4
B531	(9253 x 9788) x 2574	156-6	1	9	12.5	1.5	1	2.70	42	4	4
B540	FCR-12042	Sakata	3	6.5	10.5	5		2.70	43	4	4.5
B576	KXPC-506	Integra	2	8.5	10	4	0.5	2.70	44	4	4
B536	(7553 x 2327) x 4623	362-4	2	9	10	3	1	2.68	45	4	3.5
B572	KXPC-222	Integra	3	6	12	4		2.68	46	4	4
B595	VH195	Vilmorin	3	4	16.5	1.5		2.66	47	4	4
B590	(9256 x 7551) x 1405	047-6	2	8.5	11	3.5		2.64	48	4	4
B521	(9253 x 7551) x 0569	405-5	2	9.5	9.5	4		2.62	49	3	3.5
B560	(S.C. x 9788) x 4623	362-2	3	7	12	3		2.60	50	4	4
B561	(5280 x 6366) x 1405	047-4	3	7.5	11	3.5		2.60	51	4	4

## USDA California Carrot Trials 2015

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
B594	S.C. x 9788 <sup>2</sup>	477-3	2	9.5	10	3.5	2.60	52	4	4	
B562	VH214	Vilmorin	2	10.5	8.5	4	2.58	53	4	4	
B573	(S.C. x 9788) x 4622	363-5	2	8	13.5	1.5	2.58	54	3	3.5	
B509	(7254 x 7551) x 6191	491-5	2	9	12.5	1.5	2.54	55	4	4	
B548	(7551 x 1131) x 4168	432-2	4	6	12.5	2.5	2.54	56	4	4	
B516	(9253 x 9788) x 2576	425-5	3	10	9	3	2.48	57	3	4	
B522	FCR-13164	Sakata	3	10	9	3	2.48	58	4	4	
B541	(7254 x 7551) x 6190	490-5	2	12.5	7	3.5	2.48	59	3.5	4	
B593	PS1441	Seminis	2	11.5	9	2.5	2.48	60	4	4	
B588	(6333 x 6366) x 1397	039-4	2	11.5	9.5	2	2.46	61	4	4.5	
B520	VH238	Vilmorin	4	9.5	9	1.5	1	2.44	62	4	4
B530	HoneySnax	Nunhems	3	10	10	2	2.44	63	4	3.5	
B526	(6253 x 6333) x 2574	156-4	3	11	9	2	2.40	64	4	3.5	
B583	VH116	Vilmorin	5	8.5	8.5	2.5	0.5	2.40	65	4	4
B592	(6253 x 2144) x 1397	039-3	5	8.5	8.5	3	2.38	66	4	4	
B599	(6253 x 2144) x 9793	361-2	5	7.5	9	2.5	2.38	67	4	4	
B566	(S.C. x 9788) x 9253	356-4	3	11.5	9	1.5	2.36	68	4	4	
B552	S.C. x 3724	B124-3	5	9.5	8	2.5	2.32	69	4	4	
B577	(9256 x 7551) x 9785	286-5	4	10.5	9	1.5	2.32	70	4	4	
B525	(6253 x 2144) x 1386	109-5	3	13.5	6.5	2	2.30	71	4	4	
B563	(9253 x 9788) x 2301	245-5	5	10.5	6.5	3	2.30	72	4	4	
B574	CR1640	Seminis	3.5	10.5	11		2.30	73	4	4	
B582	(2144 x 2126) x 1397	039-2	4	10	11		2.28	74	4	4	
B584	(6253 x 2144) x 1398	040-2	2	16	5	2	2.28	75	4	4	
B542	KXPC-306	Integra	3	13.5	7.5	1	2.26	76	4	4	
B537	(9253 x 7551) x 6190	490-3	5	10.5	8	1.5	2.24	77	3	3.5	
B555	FCR-11740	Sakata	6	8	10	1	2.24	78	4	4	
B559	S.C. x 2301	245-2	6.5	9	7	2.5	2.22	79	4	4	
B550	(S.C. x 9788) x 4168	432-4	10	5	5	5	2.20	80	4	4	
B579	(9253 x 7551) x 2301	245-3	3	14.5	7	0.5	2.20	81	4	4	
B591	(9253 x 7551) x 1397	039-5	3	15	7		2.16	82	3.5	4	
B527	(9253 x 7551) x 2576	158-4	4	14	7		2.12	83	4	4	
B529	(6253 x 6333) x 2577	159-3	6	11.5	7	0.5	2.08	84	4	4	
B597	KXPC-576	Integra	6	13.5	5	0.5	2.00	85	4	4	
B517	(S.C. x 9788) x 2306 ☆	421-3	11	8	3.5	0.5	2	1.98	86	4	4
B533	(S.C. x 9788) x 6190	490-2	7	12.5	4.5	1	1.98	87	4	4	
B558	(9253 x 9788) x 3725	289-2	8	10	6.5	0.5	1.98	88	4	4	
B553	(9256 x 7551) x 2304	247-4	7	12	6		1.96	89	4	4	
B586	(6333 x 6366) x Lng	033-3	6	14	5		1.96	90	4	4	
B528	(9253 x 9788) x 2575	157-5	6	15	4		1.92	91	4	4	
B581	(2144 x 7553) x 1403	045-6	9.5	8.5	7		1.90	92	4	4	
B598	(9253 x 9788) x 2577	159-5	9	11	4.5	0.5	1.86	93	4	4	
B580	(9253 x 7551) x 1391	110-3	10	10.5	3.5	1	1.82	94	4	4	
B519	(9253 x 7551) x 1401	412-5	10	10	5		1.80	95	4	4	
B551	(9253 x 7551) x 4168	432-5	7	16	2		1.80	96	4	4	
B596	(9256 x 7551) x 9788	477-4	15	7.5	2	0.5	1.52	97	4	4	
B501	Propeel	Seminis		1	8	8	3.41		3.5	4	
B502	UpperCut	Nunhems		1.5	6.5	8	2	3.58	4	4	

<sup>1</sup> Mean based on average of 25 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>											
C501	Dominion	Seminis		1	13	1		3.00		4	4
C502	Choctaw	Nunhems		1	1.5	10	3.5	4.00		4	4
C503	FCR-13212	Sakata	1	3	15.5	3	1.5	3.04	21	4	4
C504	(6366 x 5238) x 1175 ☆	310-4		18	4	2		2.33	52	4	4
C505	SV2214DL	Seminis		2	12	10		3.33	8	4	4
C506	(8542 x 8524) x 4002 ☆☆☆	117-3	2	12.5	8	1.5		2.38	49	4	4
C507	BX 3005	Bejo		2.5	10.5	9	2	3.44	5	4	4
C508	(6253 x 2144) x 2306 ☆	248-5	3	9.5	9.5	2		2.44	44	4	4
C509	NUN 85021	Nunhems	1	5	10	6	2	3.13	14	4	4
C510	S.C. x 9297B ☆	B111-4		1	15.5	7.5		3.27	11	4	4
C511	(5280 x 6366) x 7254	752-3		1.5	5.5	9.5	7.5	3.96	1	4	4
C512	VH198	Vilmorin		6.5	12.5	5		2.94	27	3.5	4
C513	KXPC-404	Integra		7.5	9	7	0.5	3.02	24	4	4
C514	(8531 x 3999) x 2289 ☆☆	316-5	2	8	7	6	1	2.83	33	4	4
C515	BX 1144	Bejo	2	14.5	6	1.5		2.29	55	4	4
C516	(6038 x 2327) x 1131	309-3	1	11	10	1.5	0.5	2.56	40	4	4
C517	2327 x 2289	B122-3	3	10	9.5	1.5		2.40	47	3.5	4
C518	(8495 x 9324) x 2289 ☆☆	316-4	2	6	9	7		2.88	30	4	4
C519	Maverick	Nunhems		5.5	8.5	8	2	3.27	12	4	4
C520	(7254 x 9788) x 3999	058-5	2	6	10	6		2.83	34	4	4
C521	2327 x 2303	B123-3	7.5	13.5	2.5	0.5		1.83	63	4	4
C522	(8531 x 3999) x 6526 ☆☆☆	086-5	1	1.5	17.5	3.5	0.5	3.04	22	4	4
C523	VH231	Vilmorin	1	3.5	12	7.5		3.08	16	4	4
C524	(3035 x 3999) x 2327 ☆	259-3		5.5	11.5	7		3.06	18	4	4
C525	FCR-14361	Sakata	1	2	6.5	14.5		3.44	6	3.5	4
C526	FCR-12069	Sakata		5	12	7		3.08	17	4	4
C527	(7553 x 2327) x 9297	474-2	3	11.5	7.5	2		2.35	51	4	4
C528	KXPC-405	Integra		10	11	2	1	2.75	36	4	4
C529	(8233 x 7553) x 9297 ☆	474-3	2	11	8	2	1	2.54	41	4	4
C530	(7550 x 7808) x 9297 ☆	474-4	1	3	13.5	6.5		3.06	19	4	4
C531	Trooper	Nunhems		3	14.5	5.5	1	3.19	13	3.5	4
C532	(7808 x 9304) x 9297 ☆	474-5		5.5	15.5	3		2.90	29	4	4.5
C533	KXPC-020	Integra	2	12.5	8	1.5		2.38	50	4	4
C534	(7550 x 1111) x 2735	426-5	8	7.5	6.5	1	1	2.15	57	4	4
C535	Bull Dog	Nunhems	2	9	9	3	1	2.67	38	4	4
C536	(7550 x 7808) x 3271 ☆	428-2	2	14.5	5.5	2		2.31	53	4	4
C537	T1A x 9297 ☆	B111-3	5	8	9.5	1.5		2.31	54	4	4
C538	FCR-13215	Sakata		7	11	6		2.96	25	4	4
C539	S.C. x 1175 ☆	B120-3	5	15.5	1.5	2		2.02	62	4	4
C540	(7550 x 7808) x 3999 ☆	430-2	1	9.5	7.5	4	2	2.85	32	4.5	4
C541	VH182	Vilmorin	8	9	5	1.5	0.5	2.06	61	4	4
C542	(7550 x 5238) x 4216 ☆	433-2	3	11	7.5	2.5		2.40	48	4	4
C543	Istanbul	Bejo	2	5.5	13.5	3		2.73	37	4	4
C544	(7808 x 9304) x 4228 ☆	436-2	5	12	6	1		2.13	60	4	4
C545	(7550 x 7808) x 3999 ☆	431-2	2	10.5	6.5	4	1	2.65	39	4	4
C546	SV4128DL	Seminis	1	2	6.5	13.5	1	3.48	3	4	4
C547	KXPC-403	Integra	1	2.5	11.5	6.5	2.5	3.29	10	4	4
C548	(7550 x 5238) x 3271 ☆	428-3		8	10	6		2.92	28	3.5	3
C549	Rebel	Nunhems	1	0.5	8	10.5	4	3.67	2	4	4
C550	(8524 x 3999) x 3271 ☆☆☆	428-4	1	13.5	6.5	3		2.48	43	4	4
C551	CR2289	Seminis		8	9	7		2.96	26	4	4
C552	(7808 x 9304) x 2306 ☆	421-5	2	12	7.5	2.5		2.44	45	4	4
C553	BX 1133	Bejo	3	7	6	7.5	0.5	2.81	35	3	4
C554	(7550 x 1111) x 9786	476-2	6	12.5	2.5	2	1	2.15	58	2.5	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
C555	VH180	Vilmorin	2	10.5	10.5	1		2.44	46	4	4
C556	FCR-12080	Sakata	4	6.5	10	3.5		2.54	42	3.5	3.5
C557	Choctaw	Nunhems		6	9	9		3.13	15	4	4
C558	(7550 x 2327) x 9786	476-3	6	10.5	4.5	1.5	0.5	2.13	59	4	4
C559	SCR-8457 Nantes	Sakata		2	11	9		3.32	9	4	4
C560	FCR-14406 Nantes	Sakata	3	12	5.5	1.5		2.25	56	4	4
C561	FCR-14395 Nantes	Sakata	2	3	10.5	5.5	1	3.02	23	4	4
C562	FCR-14376 Nantes	Sakata		4	8.5	7.5	2	3.34	7	4	4
C563	SCR-8431 Nantes	Sakata		0.5	12	8	1.5	3.48	4	4	4
C564	FCR-14384 Nantes	Sakata		7	11	4		2.86	31	4	4
C565	FCR-14413 Nantes	Sakata	1	4.5	8	5.5	1	3.05	20	4	4

<sup>1</sup> Mean based on average of 24 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>											
C511	(5280 x 6366) x 7254	752-3		1.5	5.5	9.5	7.5	3.96	1	4	4
C549	Rebel	Nunhems	1	0.5	8	10.5	4	3.67	2	4	4
C546	SV4128DL	Seminis	1	2	6.5	13.5	1	3.48	3	4	4
C563	SCR-8431 Nantes	Sakata		0.5	12	8	1.5	3.48	4	4	4
C507	BX 3005	Bejo		2.5	10.5	9	2	3.44	5	4	4
C525	FCR-14361	Sakata	1	2	6.5	14.5		3.44	6	3.5	4
C562	FCR-14376 Nantes	Sakata		4	8.5	7.5	2	3.34	7	4	4
C505	SV2214DL	Seminis		2	12	10		3.33	8	4	4
C559	SCR-8457 Nantes	Sakata		2	11	9		3.32	9	4	4
C547	KXPC-403	Integra	1	2.5	11.5	6.5	2.5	3.29	10	4	4
C510	S.C. x 9297B ☆	B111-4		1	15.5	7.5		3.27	11	4	4
C519	Maverick	Nunhems		5.5	8.5	8	2	3.27	12	4	4
C531	Trooper	Nunhems		3	14.5	5.5	1	3.19	13	3.5	4
C509	NUN 85021	Nunhems	1	5	10	6	2	3.13	14	4	4
C557	Choctaw	Nunhems		6	9	9		3.13	15	4	4
C523	VH231	Vilmorin	1	3.5	12	7.5		3.08	16	4	4
C526	FCR-12069	Sakata		5	12	7		3.08	17	4	4
C524	(3035 x 3999) x 2327 ☆	259-3		5.5	11.5	7		3.06	18	4	4
C530	(7550 x 7808) x 9297 ☆	474-4	1	3	13.5	6.5		3.06	19	4	4
C565	FCR-14413 Nantes	Sakata	1	4.5	8	5.5	1	3.05	20	4	4
C503	FCR-13212	Sakata	1	3	15.5	3	1.5	3.04	21	4	4
C522	(8531 x 3999) x 6526 ☆☆☆	086-5	1	1.5	17.5	3.5	0.5	3.04	22	4	4
C561	FCR-14395 Nantes	Sakata	2	3	10.5	5.5	1	3.02	23	4	4
C513	KXPC-404	Integra		7.5	9	7	0.5	3.02	24	4	4
C538	FCR-13215	Sakata		7	11	6		2.96	25	4	4
C551	CR2289	Seminis		8	9	7		2.96	26	4	4
C512	VH198	Vilmorin		6.5	12.5	5		2.94	27	3.5	4
C548	(7550 x 5238) x 3271 ☆	428-3		8	10	6		2.92	28	3.5	3
C532	(7808 x 9304) x 9297 ☆	474-5		5.5	15.5	3		2.90	29	4	4.5
C518	(8495 x 9324) x 2289 ☆☆☆	316-4	2	6	9	7		2.88	30	4	4
C564	FCR-14384 Nantes	Sakata		7	11	4		2.86	31	4	4
C540	(7550 x 7808) x 3999 ☆	430-2	1	9.5	7.5	4	2	2.85	32	4.5	4
C514	(8531 x 3999) x 2289 ☆☆☆	316-5	2	8	7	6	1	2.83	33	4	4
C520	(7254 x 9788) x 3999	058-5	2	6	10	6		2.83	34	4	4
C553	BX 1133	Bejo	3	7	6	7.5	0.5	2.81	35	3	4
C528	KXPC-405	Integra		10	11	2	1	2.75	36	4	4
C543	Istanbul	Bejo	2	5.5	13.5	3		2.73	37	4	4
C535	Bull Dog	Nunhems	2	9	9	3	1	2.67	38	4	4
C545	(7550 x 7808) x 3999 ☆	431-2	2	10.5	6.5	4	1	2.65	39	4	4
C516	(6038 x 2327) x 1131	309-3	1	11	10	1.5	0.5	2.56	40	4	4
C529	(8233 x 7553) x 9297 ☆	474-3	2	11	8	2	1	2.54	41	4	4
C556	FCR-12080	Sakata	4	6.5	10	3.5		2.54	42	3.5	3.5
C550	(8524 x 3999) x 3271 ☆☆☆	428-4	1	13.5	6.5	3		2.48	43	4	4
C508	(6253 x 2144) x 2306 ☆	248-5	3	9.5	9.5	2		2.44	44	4	4
C552	(7808 x 9304) x 2306 ☆	421-5	2	12	7.5	2.5		2.44	45	4	4
C555	VH180	Vilmorin	2	10.5	10.5	1		2.44	46	4	4
C517	2327 x 2289	B122-3	3	10	9.5	1.5		2.40	47	3.5	4
C542	(7550 x 5238) x 4216 ☆	433-2	3	11	7.5	2.5		2.40	48	4	4
C506	(8542 x 8524) x 4002 ☆☆☆	117-3	2	12.5	8	1.5		2.38	49	4	4
C533	KXPC-020	Integra	2	12.5	8	1.5		2.38	50	4	4
C527	(7553 x 2327) x 9297	474-2	3	11.5	7.5	2		2.35	51	4	4
C504	(6366 x 5238) x 1175 ☆	310-4		18	4	2		2.33	52	4	4
C536	(7550 x 7808) x 3271 ☆	428-2	2	14.5	5.5	2		2.31	53	4	4
C537	T1A x 9297 ☆	B111-3	5	8	9.5	1.5		2.31	54	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
C515	BX 1144	Bejo	2	14.5	6	1.5	2.29	55	4	4	
C560	FCR-14406 Nantes	Sakata	3	12	5.5	1.5	2.25	56	4	4	
C534	(7550 x 1111) x 2735	426-5	8	7.5	6.5	1	1	2.15	57	4	4
C554	(7550 x 1111) x 9786	476-2	6	12.5	2.5	2	1	2.15	58	2.5	4
C558	(7550 x 2327) x 9786	476-3	6	10.5	4.5	1.5	0.5	2.13	59	4	4
C544	(7808 x 9304) x 4228 ☆	436-2	5	12	6	1		2.13	60	4	4
C541	VH182	Vilmorin	8	9	5	1.5	0.5	2.06	61	4	4
C539	S.C. x 1175 ☆	B120-3	5	15.5	1.5	2		2.02	62	4	4
C521	2327 x 2303	B123-3	7.5	13.5	2.5	0.5		1.83	63	4	4
C501	Dominion	Seminis		1	13	1		3.00		4	4
C502	Choctaw	Nunhems		1	1.5	10	3.5	4.00		4	4

<sup>1</sup> Mean based on average of 24 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							Flavor <sup>2</sup>			
			1	2	3	4	5	Mean <sup>1</sup>	Rank	H	S	Color	
<b>Entries Listed by Field Number</b>													
T501	(7262 x 6308) x 6245	062-4	4	10	6	2	1	2.39	27	4	4	Purple	
T502	NUN 89682	Nunhems		1	6	8.5	7.5	3.98	1	4	4	Purple	
T503	1129 x 8438 <sup>2</sup>	134-6	2	10	5	4.5	1.5	2.72	22	4	4.5	Purple	
T504	(7262 x 6245) x 8197	067-5	4	13.5	3	2.5		2.17	37	3.5	4	Purple	
T505	(7262 x 6360) x 6139	060-2	1	2	11	8	1	3.26	6	4	3	Purple	
T506	8502 x 8438	277-3	8	8	4	2	1	2.13	38	3	4	Purple	
T507	PurpleElite	Nunhems	1	5	5	9.5	2.5	3.33	5	4	4	Purple	
T508	(S.C. x 6259) x 8197	273-4	2	6	7.5	7	0.5	2.91	14	2.5	4	Purple	
T509	(6139 x 6245) x 6245	125-5		9.5	9	4.5		2.78	21	4	4	Purple	
T510	Deep Purple	Bejo		7.5	6	9.5		3.09	8	3	4	Purple	
T511	(7262 x Trksh) x 9304	656-1		6.5	13	3.5		2.87	18	3	4	Purple	
T512	(S.C. x 6360) x 6307	065-3	3	13	3	2.5	1.5	2.41	26	3.5	4	Purple	
T513	Purple Haze	Bejo	3	11	7	2		2.35	31	4	4	Purple	
T514	(S.C. x 0148) x 8197	273-5	1	6.5	8.5	5.5	1.5	3.00	11	3.5	4	Purple	
T515	Purple Sun	Bejo		5	9.5	6.5	2	3.24	7	4	4	Purple	
T516	(1129 x 8522) x 8438	470-5	6	11	1	4	1	2.26	34	4	4.5	Purple	
T517	(S.C. x 0148) x 8201	275-4	3	8.5	7	4.5		2.57	25	4	4	Red	
T518	(S.C. x 6259) x 8201	131-2	2	8	7	4	2	2.83	19	4.5	4	Red	
T519	Red S.C. x (0148 x 6220)	252-4	3	5.5	8.5	5	1	2.80	20	4	4	Red	
T520	Red S.C. x (0148 x 6220)	252-2	3.5	6.5	8	3	2	2.72	23	3	4	Red	
T521	(S.C. x 6220) x 8201	275-2	2	4	10.5	5	1.5	3.00	12	3	4	Red	
T522	(S.C. x 6637) x 8197	067-3	1	4.5	11.5	5	1	3.02	10	4	4	Red	
T523	(8197 x PI) x 8201 <sup>2</sup>	131-3	4	10.5	7	1.5		2.26	35	4	4	Red	
T524	(8197 x PI) x 8201	089-2	6.5	7	5.5	4		2.30	32	3	4	Red	
T525	6253 x 8438	277-2	7	5	7.5	2.5	1	2.37	30	3.5	4	Red	
T526	(S.C. x 6259) x 8201	275-3		8	9.5	5.5		2.89	16	4	4	Red	
T527	8201 x 0148	101-4	2	3	12.5	4	1.5	3.00	13	4	4	Red	
T528	(5280 x 6366) x Red	412-5	1	8.5	6.5	6	1	2.89	17	4	4	Red	
T529	(2566 x 6253) x dY	310-2		2	7	11	3	3.65	2	4	4	Yellow	
T530	(7254x8519) x (JODxW.Belgian)	032-2	4	11.5	4.5	2		2.20	36	4	4	Yellow	
T531	JOD x W. Belgian	916-1	1	9.5	10.5	1	1	2.63	24	4	4	Yellow	
T532	YellowBunch	Nunhems		5.5	12	4.5	1	3.04	9	4	4	Yellow	
T533	CreamPak	Nunhems		1.5	9	11	1.5	3.54	3	4	4.5	Cream	
T534	Mello Yello	Bejo		8.5	9	4.5	1	2.91	15	3.5	4	Yellow	
T535	Yellowstone	Bejo	5	9.5	6	2	0.5	2.28	33	4	3.5	Yellow	
T536	Rainbow	Bejo	9	6.5	6.5			1.89	40	3.5	4	Mix	
T537	(dY x Z021) x 3271	428-5	10	4.5	7	1.5		2.00	39	4	4	Mix	
T538	White Satin	Bejo	6	7.5	4	5.5		2.39	28	2.5	3.5	White	
T539	(7808 x 9304) x 2383	423-2	5	8.5	6	2.5	1	2.39	29	3.5	4	White	
T540	SnowMan	Nunhems		4.5	7.5	6	4	3.43	4	4	4	White	

<sup>1</sup> Mean based on average of 23 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>												
T502	NUN 89682	Nunhems		1	6	8.5	7.5	3.98	1	4	4	Purple
T529	(2566 x 6253) x dY	310-2		2	7	11	3	3.65	2	4	4	Yellow
T533	CreamPak	Nunhems		1.5	9	11	1.5	3.54	3	4	4.5	Cream
T540	SnowMan	Nunhems		4.5	7.5	6	4	3.43	4	4	4	White
T507	PurpleElite	Nunhems	1	5	5	9.5	2.5	3.33	5	4	4	Purple
T505	(7262 x 6360) x 6139	060-2	1	2	11	8	1	3.26	6	4	3	Purple
T515	Purple Sun	Bejo		5	9.5	6.5	2	3.24	7	4	4	Purple
T510	Deep Purple	Bejo		7.5	6	9.5		3.09	8	3	4	Purple
T532	YellowBunch	Nunhems		5.5	12	4.5	1	3.04	9	4	4	Yellow
T522	(S.C. x 6637) x 8197	067-3	1	4.5	11.5	5	1	3.02	10	4	4	Red
T514	(S.C. x 0148) x 8197	273-5	1	6.5	8.5	5.5	1.5	3.00	11	3.5	4	Purple
T521	(S.C. x 6220) x 8201	275-2	2	4	10.5	5	1.5	3.00	12	3	4	Red
T527	8201 x 0148	101-4	2	3	12.5	4	1.5	3.00	13	4	4	Red
T508	(S.C. x 6259) x 8197	273-4	2	6	7.5	7	0.5	2.91	14	2.5	4	Purple
T534	Mello Yello	Bejo		8.5	9	4.5	1	2.91	15	3.5	4	Yellow
T526	(S.C. x 6259) x 8201	275-3		8	9.5	5.5		2.89	16	4	4	Red
T528	(5280 x 6366) x Red	412-5	1	8.5	6.5	6	1	2.89	17	4	4	Red
T511	(7262 x Trksh) x 9304	656-1		6.5	13	3.5		2.87	18	3	4	Purple
T518	(S.C. x 6259) x 8201	131-2	2	8	7	4	2	2.83	19	4.5	4	Red
T519	Red S.C. x (0148 x 6220)	252-4	3	5.5	8.5	5	1	2.80	20	4	4	Red
T509	(6139 x 6245) x 6245	125-5		9.5	9	4.5		2.78	21	4	4	Purple
T503	1129 x 8438 <sup>2</sup>	134-6	2	10	5	4.5	1.5	2.72	22	4	4.5	Purple
T520	Red S.C. x (0148 x 6220)	252-2	3.5	6.5	8	3	2	2.72	23	3	4	Red
T531	JOD x W. Belgian	916-1	1	9.5	10.5	1	1	2.63	24	4	4	Yellow
T517	(S.C. x 0148) x 8201	275-4	3	8.5	7	4.5		2.57	25	4	4	Red
T512	(S.C. x 6360) x 6307	065-3	3	13	3	2.5	1.5	2.41	26	3.5	4	Purple
T501	(7262 x 6308) x 6245	062-4	4	10	6	2	1	2.39	27	4	4	Purple
T538	White Satin	Bejo	6	7.5	4	5.5		2.39	28	2.5	3.5	White
T539	(7808 x 9304) x 2383	423-2	5	8.5	6	2.5	1	2.39	29	3.5	4	White
T525	6253 x 8438	277-2	7	5	7.5	2.5	1	2.37	30	3.5	4	Red
T513	Purple Haze	Bejo	3	11	7	2		2.35	31	4	4	Purple
T524	(8197 x PI) x 8201	089-2	6.5	7	5.5	4		2.30	32	3	4	Red
T535	Yellowstone	Bejo	5	9.5	6	2	0.5	2.28	33	4	3.5	Yellow
T516	(1129 x 8522) x 8438	470-5	6	11	1	4	1	2.26	34	4	4.5	Purple
T523	(8197 x PI) x 8201 <sup>2</sup>	131-3	4	10.5	7	1.5		2.26	35	4	4	Red
T530	(7254x8519) x (JODxW.Belgian)	032-2	4	11.5	4.5	2		2.20	36	4	4	Yellow
T504	(7262 x 6245) x 8197	067-5	4	13.5	3	2.5		2.17	37	3.5	4	Purple
T506	8502 x 8438	277-3	8	8	4	2	1	2.13	38	3	4	Purple
T537	(dY x Z021) x 3271	428-5	10	4.5	7	1.5		2.00	39	4	4	Mix
T536	Rainbow	Bejo	9	6.5	6.5			1.89	40	3.5	4	Mix

<sup>1</sup> Mean based on average of 23 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