



United States Department of Agriculture

Research, Education, and Economics
Agricultural Research Service

March 14, 2016

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

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

The results of the 2016 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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Midwest Area

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USDA California Carrot Trials 2016

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											
B601	Imperial Cuts	Integra		3	7	11	2	3.52		4	4.5
B602	Propeel	Seminis			5	14	5	4.00		4	4.5
B603	UpperCut	Nunhems	2	4	12	5		2.87		4	4
B604	(S.C. x L0569) x L9786	578-2	2	10.5	13.5	5		2.69	53	3	3
B605	(L7551 x 1131) x L9788	477-2	1	4.5	13.5	12		3.18	24	3	3
B606	(9253 x L7551) x L0569	405-5	1	14	12	3	1	2.65	57	3	3
B607	FCR 11740	Sakata		3	13	12	2	3.43	12	3	3
B608	(S.C. x L1408) x L9786	578-4	2	7	16	5	1	2.87	36	3	3
B609	(L9785 x L0567) x Nb1175	510-3	4.5	18	5.5	3		2.23	81	3	3
B610	KXPC-222 (Skylar)	Integra	3	16	10.5	1.5		2.34	76	4	4.5
B611	(L1406 x L1401) x L2577	535-10	3.5	12	11.5	2	1	2.50	68	3	3
B612	S.C. x L05673	503-9	8.5	13.5	6	2		2.05	89	3.5	4
B613	(S.C. x L9788) x L9785	475-4	1	4	7	12.5	5.5	3.58	8	3	3
B614	FCR 15493	Sakata	1	4.5	11.5	11.5	1.5	3.27	20	3	3
B615	(L7550 x 2327) x L9786	476-4	5.5	15	8.5		1	2.20	83	3	3
B616	(S.C. x L0573) x L1408	516-4	5	11.5	6.5	6.5	0.5	2.53	65	3	3
B617	VIL 3	Vilmorin	5.5	12.5	10.5	1.5		2.27	80	3	3
B618	(S.C. x L1408) x L0567	503-4	5	11.5	11	2.5		2.37	74	3	3
B619	(L1406 x L1401) x L0567	503-11	10	13.5	5.5		1	1.95	94	3.5	4
B620	HoneySnax	Nunhems	1	6.5	12	9.5	1	3.10	27	3	3
B621	(S.C. x L1408) x L2577	535-4	3	9	11.5	4.5	3	2.85	38	3	3
B622	(S.C. x L2577) x L1408	516-6	1	12	14	4		2.68	54	3.5	4
B623	KXPC-506	Integra	2.5	6	15.5	7		2.87	37	3	3
B624	(9253 x L7551) x L9785	475-5		4.5	16.5	9	1	3.21	22	3	3
B625	(L9785 x L0567) x L5134	544-4	7	16.5	5.5	1		2.02	92	4	4
B626	1441	Seminis		3	14.5	8.5	4	3.45	11	4.5	4
B627	(S.C. x L9788) x L6191	491-2	3	3.5	20.5	2	1	2.82	46	4	4.5
B628	(S.C. x L4623) x L2575	533-7	10.5	16	2.5		2	1.94	95	4	4
B629	FCR 10718	Sakata	3.5	10.5	12.5	2.5	2	2.65	58	4	4
B630	(L7551 x 1131) x L9785	475-3	2.5	6.5	15.5	4.5	2	2.90	34	4	4
B631	(S.C. x L4623) x L2574	531-7	4.5	14.5	11	1		2.27	79	4	4
B632	VIL 4	Vilmorin	2	5	19.5	4.5		2.85	39	4	4
B633	(9253 x L7551) x L2576	425-4		1	13	13	4	3.65	5	4	4
B634	(9253 x L7551) x L6190	490-3	1	2.5	7	14.5	5	3.67	4	3.5	4
B635	CrispyCut	Nunhems		1	8	18	4	3.81	3	3	3
B636	(L1406 x L0567) x Nb1175 ☆	510-2	3	15	10	3		2.42	72	3	3
B637	(9253 x L7551) x L6191	491-4	1	10	12.5	7.5		2.85	40	4.5	4.5
B638	KXPC-520	Integra	2	7.5	11.5	7.5	1.5	2.97	32	4.5	4
B639	(L7550 x 2327) x L9786	476-5		5.5	11.5	10	4	3.40	13	3	3
B640	(Nb1393 x L0569) x L2577 ☆	533-9	6.5	13	5.5	3.5	2.5	2.44	70	3	3
B641	(S.C. x L2576) x L9786	578-5	5	17.5	6.5	2		2.18	84	3	3
B642	VIL 1	Vilmorin	1	5	15	9.5	0.5	3.11	26	3	3
B643	(L9785 x L2576) x L5134	544-7	1	10.5	14	5.5		2.77	48	3	3
B644	(7254 x L7551) x L6190	490-5	3	8.5	12	6	1.5	2.82	44	3	3
B645	(S.C. x L1408) x L2574	531-4		4.5	3.5	14.5	8.5	3.87	2	4	3.5
B646	SlenderCut	Nunhems	1	4.5	11	11.5	3	3.35	16	3	3
B647	(L1406 x L0567) x L5134	544-3	3.5	10	12	5.5		2.63	60	4	4
B648	Imperial Cuts	Integra	1.5	8	16	5.5		2.82	45	4	4.5
B649	(9253 x L9788) x L2304	247-5	4.5	7.5	14.5	4.5		2.61	62	4	4.5
B650	(9253 x L7551) x L6190	490-4	2	8	11.5	8.5	1	2.95	33	3	3
B651	CR 1640	Seminis	2	3	14	8.5	3.5	3.27	19	3	3

USDA California Carrot Trials 2016

Entry	Pedigree or Name	Source	Number of Judges Placing in Class					Mean ¹	Rank	Flavor ²	
			1	2	3	4	5			H	S
B652	(9253 x L9788) x L2574	156-6	2	9.5	12.5	7		2.79	47	3	3
B653	(S.C. x L2577) x L9786	578-6	1.5	8	15.5	5.5	0.5	2.85	41	4	4
B654	9253 x 9788B2	477-5	2	9	17.5	2.5		2.66	56	3	4
B655	Istanbul	Bejo	7	18	3	3		2.06	88	4.5	4
B656	(Nb1393 x L0567) x L5134 ☆	544-2	2	9.5	12	6.5	1	2.84	42	3	3
B657	(S.C. x L25762) x L2574	531-5	9.5	16	5.5			1.87	96	4	4
B658	(9253 x L9788) x L9785	286-7	0.5	5	17.5	8		3.06	29	3.5	4
B659	KXPC-060	Integra	3	7.5	14.5	6		2.76	49	4	4
B660	(S.C. x L0569) x L2577	535-2	2	7.5	11.5	9	1	2.98	31	4	4
B661	(9253 x L7551) x L2576	425-3	1	11	13.5	2.5	1	2.71	52	4	4
B662	(7254 x L7551) x L6191	491-5	6	17.5	4.5	2		2.08	86	4	4
B663	FCR 14336	Sakata	1.5	7	11	9	1.5	3.07	28	4	4
B664	(Nb1393 x L0569) x L9786 ☆	578-9	11	10.5	7	1.5		1.97	93	4	4
B665	(S.C. x L05693) x L4168	540-2	5	19	6			2.03	91	4	4
B666	Propeel	Seminis	1	5	10.5	8.5	5	3.38	14	4	4
B667	(S.C. x 2327) x L9785	287-3	3	11	13	3		2.53	66	4	4
B668	KXPC-576	Integra	3	11	13	2	1	2.57	63	4	4
B669	(Nb1393 x L0569) x L5134 ☆	544-5	5	12.5	9	1.5	2	2.43	71	4	4
B670	(9256 x L7551) x L2301	245-4	4	13	11.5	1.5		2.35	75	4	4
B671	(S.C. x L1408) x L4168	540-4	5.5	15	7	2.5		2.22	82	3.5	4
B672	CR 1706	Seminis	1.5	3.5	11	10	4	3.38	15	3	3
B673	(S.C. x L1403) x L9786	578-3	4	8.5	14	3.5		2.57	64	3	3
B674	(S.C. x L2577) x L4168	540-6	1	11.5	11	5.5		2.72	50	3	3
B675	(9253 x L7551) x L6191	491-3		3	11.5	12	2.5	3.48	10	3	3
B676	NUN 85931	Nunhems	1	4.5	11.5	10.5	2.5	3.30	18	3	3
B677	(9253 x L7551) x L2304	247-3	4	6.5	10	9.5		2.83	43	3	3
B678	(L7553 x 2327) x L4623	362-3		7.5	10.5	11	1	3.18	23	3	3
B679	(L7553 x 2327) x L9786	476-3	3	16.5	9	0.5	1	2.33	77	3	3
B680	KXPC-516	Integra	2.5	5	9.5	10.5	1.5	3.12	25	3.5	4
B681	S.C. x L9788B ²	477-3	5.5	10.5	13	1		2.32	78	3	3
B682	(S.C. x L2577) x L2574	531-6	5.5	7	10.5	6	1	2.67	55	3	3
B683	(2144 x 6253) x L2575	157-3	4.5	5.5	14	6		2.72	51	3	3
B684	FCR 15514	Sakata	2	4	5.5	9.5	8	3.60	6	3.5	4
B685	(S.C. x L9788) x L4622	363-3		6.5	10	9.5	3	3.31	17	3	3
B686	UpperCut	Nunhems	2	6.5	14.5	7		2.88	35	3	3
B687	(9256 x L7551) x L9788	477-4	6	16.5	6.5	1		2.08	87	3	3
B688	KXPC-107 (Starr)	Integra	2	4.5	8.5	14	1	3.25	21	3	3
B689	(S.C. x L1403) x L2575	533-3	4	8.5	12.5	4.5	0.5	2.63	59	3.5	4
B690	VIL 2	Vilmorin	5	11.5	10	3.5		2.40	73	3	3
B691	(S.C. x 1403) x L2574	531-3	7	13.5	7	2.5		2.17	85	3	3
B692	FCR 15511	Sakata		4	9.5	11.5	5	3.58	9	3	3
B693	(S.C. x L2577) x L0567	503-6	3.5	10	11	5.5		2.62	61	4	4
B694	SV2765DC	Seminis		1.5	3	15	10.5	4.15	1	4.5	4
B695	(L1406 x L1401) x 5133	543-6	4	9	16	1		2.47	69	4.5	4
B696	CandySnax	Nunhems	1	0.5	10	16.5	2	3.60	7	4.5	4
B697	(L9785 x L2576) x 5133	543-7	9	10.5	10.5			2.05	90	4	4
B698	KXPC-585	Integra	1.5	6	13.5	9		3.00	30	3	3
B699	VIL 5	Vilmorin	4	9.5	14.5	1	1	2.52	67	3	3

¹ Mean based on average of 31 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

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 ¹	Rank	Flavor ²	
			1	2	3	4	5			H	S
Entries Listed by Rank											
B694	SV2765DC	Seminis		1.5	3	15	10.5	4.15	1	4.5	4
B645	(S.C. x L1408) x L2574	531-4		4.5	3.5	14.5	8.5	3.87	2	4	3.5
B635	CrispyCut	Nunhems		1	8	18	4	3.81	3	3	3
B634	(9253 x L7551) x L6190	490-3	1	2.5	7	14.5	5	3.67	4	3.5	4
B633	(9253 x L7551) x L2576	425-4		1	13	13	4	3.65	5	4	4
B684	FCR 15514	Sakata	2	4	5.5	9.5	8	3.60	6	3.5	4
B696	CandySnax	Nunhems	1	0.5	10	16.5	2	3.60	7	4.5	4
B613	(S.C. x L9788) x L9785	475-4	1	4	7	12.5	5.5	3.58	8	3	3
B692	FCR 15511	Sakata		4	9.5	11.5	5	3.58	9	3	3
B675	(9253 x L7551) x L6191	491-3		3	11.5	12	2.5	3.48	10	3	3
B626	1441	Seminis		3	14.5	8.5	4	3.45	11	4.5	4
B607	FCR 11740	Sakata		3	13	12	2	3.43	12	3	3
B639	(L7550 x 2327) x L9786	476-5		5.5	11.5	10	4	3.40	13	3	3
B666	Propeel	Seminis	1	5	10.5	8.5	5	3.38	14	4	4
B672	CR 1706	Seminis	1.5	3.5	11	10	4	3.38	15	3	3
B646	SlenderCut	Nunhems	1	4.5	11	11.5	3	3.35	16	3	3
B685	(S.C. x L9788) x L4622	363-3		6.5	10	9.5	3	3.31	17	3	3
B676	NUN 85931	Nunhems	1	4.5	11.5	10.5	2.5	3.30	18	3	3
B651	CR 1640	Seminis	2	3	14	8.5	3.5	3.27	19	3	3
B614	FCR 15493	Sakata	1	4.5	11.5	11.5	1.5	3.27	20	3	3
B688	KXPC-107 (Starr)	Integra	2	4.5	8.5	14	1	3.25	21	3	3
B624	(9253 x L7551) x L9785	475-5		4.5	16.5	9	1	3.21	22	3	3
B678	(L7553 x 2327) x L4623	362-3		7.5	10.5	11	1	3.18	23	3	3
B605	(L7551 x 1131) x L9788	477-2	1	4.5	13.5	12		3.18	24	3	3
B680	KXPC-516	Integra	2.5	5	9.5	10.5	1.5	3.12	25	3.5	4
B642	VIL 1	Vilmorin	1	5	15	9.5	0.5	3.11	26	3	3
B620	HoneySnax	Nunhems	1	6.5	12	9.5	1	3.10	27	3	3
B663	FCR 14336	Sakata	1.5	7	11	9	1.5	3.07	28	4	4
B658	(9253 x L9788) x L9785	286-7	0.5	5	17.5	8		3.06	29	3.5	4
B698	KXPC-585	Integra	1.5	6	13.5	9		3.00	30	3	3
B660	(S.C. x L0569) x L2577	535-2	2	7.5	11.5	9	1	2.98	31	4	4
B638	KXPC-520	Integra	2	7.5	11.5	7.5	1.5	2.97	32	4.5	4
B650	(9253 x L7551) x L6190	490-4	2	8	11.5	8.5	1	2.95	33	3	3
B630	(L7551 x 1131) x L9785	475-3	2.5	6.5	15.5	4.5	2	2.90	34	4	4
B686	UpperCut	Nunhems	2	6.5	14.5	7		2.88	35	3	3
B608	(S.C. x L1408) x L9786	578-4	2	7	16	5	1	2.87	36	3	3
B623	KXPC-506	Integra	2.5	6	15.5	7		2.87	37	3	3
B621	(S.C. x L1408) x L2577	535-4	3	9	11.5	4.5	3	2.85	38	3	3
B632	VIL 4	Vilmorin	2	5	19.5	4.5		2.85	39	4	4
B637	(9253 x L7551) x L6191	491-4	1	10	12.5	7.5		2.85	40	4.5	4.5
B653	(S.C. x L2577) x L9786	578-6	1.5	8	15.5	5.5	0.5	2.85	41	4	4
B656	(Nb1393 x L0567) x L5134 ☆	544-2	2	9.5	12	6.5	1	2.84	42	3	3
B677	(9253 x L7551) x L2304	247-3	4	6.5	10	9.5		2.83	43	3	3
B644	(7254 x L7551) x L6190	490-5	3	8.5	12	6	1.5	2.82	44	3	3
B648	Imperial Cuts	Integra	1.5	8	16	5.5		2.82	45	4	4.5
B627	(S.C. x L9788) x L6191	491-2	3	3.5	20.5	2	1	2.82	46	4	4.5
B652	(9253 x L9788) x L2574	156-6	2	9.5	12.5	7		2.79	47	3	3
B643	(L9785 x L2576) x L5134	544-7	1	10.5	14	5.5		2.77	48	3	3
B659	KXPC-060	Integra	3	7.5	14.5	6		2.76	49	4	4
B674	(S.C. x L2577) x L4168	540-6	1	11.5	11	5.5		2.72	50	3	3
B683	(2144 x 6253) x L2575	157-3	4.5	5.5	14	6		2.72	51	3	3

USDA California Carrot Trials 2016

Entry	Pedigree or Name	Source	Number of Judges Placing in Class							Flavor ²	
			1	2	3	4	5	Mean ¹	Rank	H	S
B661	(9253 x L7551) x L2576	425-3	1	11	13.5	2.5	1	2.71	52	4	4
B604	(S.C. x L0569) x L9786	578-2	2	10.5	13.5	5		2.69	53	3	3
B622	(S.C. x L2577) x L1408	516-6	1	12	14	4		2.68	54	3.5	4
B682	(S.C. x L2577) x L2574	531-6	5.5	7	10.5	6	1	2.67	55	3	3
B654	9253 x 9788B2	477-5	2	9	17.5	2.5		2.66	56	3	4
B606	(9253 x L7551) x L0569	405-5	1	14	12	3	1	2.65	57	3	3
B629	FCR 10718	Sakata	3.5	10.5	12.5	2.5	2	2.65	58	4	4
B689	(S.C. x L1403) x L2575	533-3	4	8.5	12.5	4.5	0.5	2.63	59	3.5	4
B647	(L1406 x L0567) x L5134	544-3	3.5	10	12	5.5		2.63	60	4	4
B693	(S.C. x L2577) x L0567	503-6	3.5	10	11	5.5		2.62	61	4	4
B649	(9253 x L9788) x L2304	247-5	4.5	7.5	14.5	4.5		2.61	62	4	4.5
B668	KXPC-576	Integra	3	11	13	2	1	2.57	63	4	4
B673	(S.C. x L1403) x L9786	578-3	4	8.5	14	3.5		2.57	64	3	3
B616	(S.C. x L0573) x L1408	516-4	5	11.5	6.5	6.5	0.5	2.53	65	3	3
B667	(S.C. x 2327) x L9785	287-3	3	11	13	3		2.53	66	4	4
B699	VIL 5	Vilmorin	4	9.5	14.5	1	1	2.52	67	3	3
B611	(L1406 x L1401) x L2577	535-10	3.5	12	11.5	2	1	2.50	68	3	3
B695	(L1406 x L1401) x 5133	543-6	4	9	16	1		2.47	69	4.5	4
B640	(Nb1393 x L0569) x L2577 ☆	533-9	6.5	13	5.5	3.5	2.5	2.44	70	3	3
B669	(Nb1393 x L0569) x L5134 ☆	544-5	5	12.5	9	1.5	2	2.43	71	4	4
B636	(L1406 x L0567) x Nb1175 ☆	510-2	3	15	10	3		2.42	72	3	3
B690	VIL 2	Vilmorin	5	11.5	10	3.5		2.40	73	3	3
B618	(S.C. x L1408) x L0567	503-4	5	11.5	11	2.5		2.37	74	3	3
B670	(9256 x L7551) x L2301	245-4	4	13	11.5	1.5		2.35	75	4	4
B610	KXPC-222 (Skylar)	Integra	3	16	10.5	1.5		2.34	76	4	4.5
B679	(L7553 x 2327) x L9786	476-3	3	16.5	9	0.5	1	2.33	77	3	3
B681	S.C. x L9788B ²	477-3	5.5	10.5	13	1		2.32	78	3	3
B631	(S.C. x L4623) x L2574	531-7	4.5	14.5	11	1		2.27	79	4	4
B617	VIL 3	Vilmorin	5.5	12.5	10.5	1.5		2.27	80	3	3
B609	(L9785 x L0567) x Nb1175	510-3	4.5	18	5.5	3		2.23	81	3	3
B671	(S.C. x L1408) x L4168	540-4	5.5	15	7	2.5		2.22	82	3.5	4
B615	(L7550 x 2327) x L9786	476-4	5.5	15	8.5		1	2.20	83	3	3
B641	(S.C. x L2576) x L9786	578-5	5	17.5	6.5	2		2.18	84	3	3
B691	(S.C. x 1403) x L2574	531-3	7	13.5	7	2.5		2.17	85	3	3
B662	(7254 x L7551) x L6191	491-5	6	17.5	4.5	2		2.08	86	4	4
B687	(9256 x L7551) x L9788	477-4	6	16.5	6.5	1		2.08	87	3	3
B655	Istanbul	Bejo	7	18	3	3		2.06	88	4.5	4
B612	S.C. x L05673	503-9	8.5	13.5	6	2		2.05	89	3.5	4
B697	(L9785 x L2576) x 5133	543-7	9	10.5	10.5			2.05	90	4	4
B665	(S.C. x L05693) x L4168	540-2	5	19	6			2.03	91	4	4
B625	(L9785 x L0567) x L5134	544-4	7	16.5	5.5	1		2.02	92	4	4
B664	(Nb1393 x L0569) x L9786 ☆	578-9	11	10.5	7	1.5		1.97	93	4	4
B619	(L1406 x L1401) x L0567	503-11	10	13.5	5.5		1	1.95	94	3.5	4
B628	(S.C. x L4623) x L2575	533-7	10.5	16	2.5		2	1.94	95	4	4
B657	(S.C. x L25762) x L2574	531-5	9.5	16	5.5			1.87	96	4	4
B601	Imperial Cuts	Integra		3	7	11	2	3.52		4	4.5
B602	Propeel	Seminis			5	14	5	4.00		4	4.5
B603	UpperCut	Nunhems	2	4	12	5		2.87		4	4

¹ Mean based on average of 31 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

Each ☆ indicates that one parent is a nematode resistant line

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											
C601	Maverick	Nunhems			3.5	12.5	4	4.03		3	3
C602	(Nb8531xNb3999)xNb6526	086-5		10.5	12.5	5		2.80		3	3
C603	BX 3005	Bejo	2	0.5	12	10.5	3	3.43	2	3	3
C604	(SCxNb3999)xNb9324/4216 ☆☆	576-6	2	14.5	7.5	2	2	2.55	21	3	3
C605	SV2214DL	Seminis	1	1	5.5	15	5.5	3.82	1	3	3
C606	(5280 x 6366) x 7254	752-3	3	11	10.5	3.5		2.52	23	3	3
C607	(SCxNb8542)xNb9324/4216 ☆☆	576-11	14.5	8.5	3	2		1.73	50	3	3
C608	Choctaw	Nunhems	2	4.5	9.5	11	1	3.16	5	3	3
C609	(Nb4001xNb6526)xNb1386 ☆☆☆	512-7	6.5	14	5	2.5		2.13	37	3	3
C610	(3035 x Nb3999) x 2327 ☆	259-3	3	6.5	13.5	5		2.73	17	3	3
C611	KXPC-404	Integra	7.5	11.5	5	3	1	2.23	32	3	3
C612	(L7551 x 1131) x L0567	503-13	10	10	7	1		1.96	39	4	4
C613	VIL 6	Vilmorin	2	7.5	13	5.5		2.79	13	4.5	4
C614	(L9785 x L0567) x Nb1386 ☆	512-9	5	9	8.5	4.5	1	2.55	22	4	4
C615	(2327 x 2289) x 2303	526-3	5	8.5	12	1.5	1	2.46	27	3.5	4
C616	FCR 15560	Sakata	1	9	10	6.5	1.5	2.95	10	4	4
C617	(SC x Nb3999) x Nb1386 ☆☆	512-4	3	11.5	11.5	2		2.45	28	3.5	4
C618	(Nb1393 x L0569) x L2577 ☆	535-9	9	15	4			1.82	46	3	3
C619	Trooper	Nunhems	4	9.5	11	3	0.5	2.52	24	3	3
C620	BX 1133	Bejo	4	7	10	6	1	2.75	16	3	3
C621	(Nb8524xNb8483 ³)xNpw2191 ☆☆☆	518-4	19	5	2.5	1.5		1.52	53	3	3
C622	(3035 x Nb3999) x Nb6526 ☆☆	568-6	7	10	9	1	1	2.25	31	3	3
C623	KXPC-586	Integra	2	8.5	11	6.5		2.79	14	3	3
C624	(Nb8483 x Nbh2306) x L0567 ☆☆	503-12	11	11	5		1	1.89	44	3	3
C625	FCR 12089	Sakata	4	8.5	9.5	4.5	1.5	2.68	18	3	3
C626	(Nb1393 x L0567) x 5133 ☆	543-2	5	14.5	6.5	1		2.13	36	3	3
C627	Rebel	Nunhems	4	5	10	5.5	2.5	2.91	11	4	4
C628	(Nb8483xNb4216) x Nb2195 ☆☆☆	519-3	4	7.5	6.5	9		2.76	15	3	3
C629	(2327 x 2289) x 1131	509-4	12	8.5	6	0.5		1.81	47	3	3
C630	(Nb13932 x L0569) x Nb1175 ☆☆	510-4	8.5	13	5	0.5		1.91	43	3	3
C631	BX 1144	Bejo	6	16.5	4.5			1.94	41	3	3
C632	(Nb8483xNbh2306)xNb2195 ☆☆☆	519-2	9.5	8.5	7	1	1	2.09	38	3	3
C633	Maverick	Nunhems	3	8	13	3		2.59	19	3.5	4
C634	FCR 15562	Sakata	3	3	12	7.5	1.5	3.06	7	3	3
C635	(2327x2289)x((LRSxHCM)x2327)	562-3	10.5	8	7.5	1		1.96	40	3.5	4
C636	(L1406 x L1401) x Nb1175 ☆	510-5	19.5	6.5		1		1.35	55	3	3
C637	NUN 85021	Nunhems	2	5.5	10.5	8	1	3.02	8	3	3
C638	(L7551 x 1131) x 5133	543-8	13	8	3.5	1.5		1.75	49	3	3
C639	(Nb8483xNbh2306)xNb2205 ☆☆☆	521-2	2	7	11.5	6.5		2.83	12	3	3
C640	FCR 12073	Sakata	4	8	12.5	2.5		2.50	25	3.5	4
C641	(SC x L0569) x L1408	516-9	19.5	7.5				1.28	57	3	3
C642	(L1406 x L1401) x L5134	544-6	17.5	9.5				1.35	56	3	3
C643	(L1406 x L0567) x 5133	543-3	5	10	11	1		2.30	29	3	3
C644	(3035xNb3999)xNb9324/4216 ☆☆	576-7	6	13	5	2	1	2.22	33	3	3
C645	FCR 15561	Sakata	1	6	12.5	4	3.5	3.11	6	3	3
C646	(L7551A x 1131B) x L5134	544-8	12.5	11.5	3			1.65	51	3	3
C647	(SC x Nb3999) x Nb6526 ☆☆	568-7	4	9	11	3		2.48	26	3	3
C648	Bull Dog	Nunhems	2	4	11.5	6.5	3	3.17	4	3	3
C649	(SC x Npw2191 ²) x Nb9297 ☆☆	575-3	19	6	2			1.37	54	3	3
C650	(SC x Nb8542) x Nb1386 ☆☆	512-8	8.5	14.5	4			1.83	45	3	3
C651	KXPC-020	Integra	4	14.5	7.5	1		2.20	34	4	4
C652	(Nb8524xNb8483 ³)xNb9297 ☆☆☆	575-4	9	8	4	6		2.26	30	3	3
C653	(9785 x L2576) x Nb1175 ☆	510-7	5	14	7	1		2.15	35	3	3
C654	FCR 12070	Sakata	2	4.5	13	7.5		2.96	9	3	3

Entry	Pedigree or Name	Source	Number of Judges Placing in Class					Mean ¹	Rank	Flavor ²	
			1	2	3	4	5			H	S
C655	(Nb1393 x L0569) x 5133 ☆	543-5	7	15.5	3.5	1	1.94	42	4.5	4	
C656	SV4128DL	Seminis	2	2	8	13.5	1.5	3.39	3	3	
C657	(Nb8524xNb8483 ²)xNb6526 ☆☆☆	568-8	20	2	2	3	1.56	52	3	3	
C658	(SC x Nb3999) x Nb2205 ☆☆	521-5	5	7.5	9	4.5	1	2.59	20	3.5	4
C659	2327A x 2303B	B123-3	10.5	12.5	4			1.76	48	4	4
C660	FCR 15515 Nantes	Sakata	2	5	12	6	1	2.96		4	4
C661	FCR 14411 Nantes	Sakata	1	4.5	10	9.5	1	3.19		4.5	4
C662	FCR 15525 Nantes	Sakata	2	6.5	9.5	7	1	2.94		4	4
C663	FCR 15517 Nantes	Sakata	2	10.5	11.5	1	1	2.56		3.5	4
C664	FCR 15531 Nantes	Sakata	4	13	4	4	1	2.42		3.5	4
C665	FCR 15545 Nantes	Sakata	2	8	13	3		2.65		4.5	4

¹ Mean based on average of 28 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

Each ☆ indicates that one parent is a nematode resistant line

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											
C605	SV2214DL	Seminis	1	1	5.5	15	5.5	3.82	1	3	3
C603	BX 3005	Bejo	2	0.5	12	10.5	3	3.43	2	3	3
C656	SV4128DL	Seminis	2	2	8	13.5	1.5	3.39	3	3	3
C648	Bull Dog	Nunhems	2	4	11.5	6.5	3	3.17	4	3	3
C608	Choctaw	Nunhems	2	4.5	9.5	11	1	3.16	5	3	3
C645	FCR 15561	Sakata	1	6	12.5	4	3.5	3.11	6	3	3
C634	FCR 15562	Sakata	3	3	12	7.5	1.5	3.06	7	3	3
C637	NUN 85021	Nunhems	2	5.5	10.5	8	1	3.02	8	3	3
C654	FCR 12070	Sakata	2	4.5	13	7.5		2.96	9	3	3
C616	FCR 15560	Sakata	1	9	10	6.5	1.5	2.95	10	4	4
C627	Rebel	Nunhems	4	5	10	5.5	2.5	2.91	11	4	4
C639	(Nb8483xNb2306)xNb2205 ☆☆☆	521-2	2	7	11.5	6.5		2.83	12	3	3
C613	VIL 6	Vilmorin	2	7.5	13	5.5		2.79	13	4.5	4
C623	KXPC-586	Integra	2	8.5	11	6.5		2.79	14	3	3
C628	(Nb8483xNb4216) x Nb2195 ☆☆☆	519-3	4	7.5	6.5	9		2.76	15	3	3
C620	BX 1133	Bejo	4	7	10	6	1	2.75	16	3	3
C610	(3035 x Nb3999) x 2327 ☆	259-3	3	6.5	13.5	5		2.73	17	3	3
C625	FCR 12089	Sakata	4	8.5	9.5	4.5	1.5	2.68	18	3	3
C633	Maverick	Nunhems	3	8	13	3		2.59	19	3.5	4
C658	(SC x Nb3999) x Nb2205 ☆☆	521-5	5	7.5	9	4.5	1	2.59	20	3.5	4
C604	(SCxNb3999)xNb9324/4216 ☆☆	576-6	2	14.5	7.5	2	2	2.55	21	3	3
C614	(L9785 x L0567) x Nb1386 ☆	512-9	5	9	8.5	4.5	1	2.55	22	4	4
C606	(5280 x 6366) x 7254	752-3	3	11	10.5	3.5		2.52	23	3	3
C619	Trooper	Nunhems	4	9.5	11	3	0.5	2.52	24	3	3
C640	FCR 12073	Sakata	4	8	12.5	2.5		2.50	25	3.5	4
C647	(SC x Nb3999) x Nb6526 ☆☆	568-7	4	9	11	3		2.48	26	3	3
C615	(2327 x 2289) x 2303	526-3	5	8.5	12	1.5	1	2.46	27	3.5	4
C617	(SC x Nb3999) x Nb1386 ☆☆	512-4	3	11.5	11.5	2		2.45	28	3.5	4
C643	(L1406 x L0567) x 5133	543-3	5	10	11	1		2.30	29	3	3
C652	(Nb8524xNb8483 ²)xNb9297 ☆☆☆	575-4	9	8	4	6		2.26	30	3	3
C622	(3035 x Nb3999) x Nb6526 ☆☆	568-6	7	10	9	1	1	2.25	31	3	3
C611	KXPC-404	Integra	7.5	11.5	5	3	1	2.23	32	3	3
C644	(3035xNb3999)xNb9324/4216 ☆☆☆	576-7	6	13	5	2	1	2.22	33	3	3
C651	KXPC-020	Integra	4	14.5	7.5	1		2.20	34	4	4
C653	(9785 x L2576) x Nb1175 ☆	510-7	5	14	7	1		2.15	35	3	3
C626	(Nb1393 x L0567) x 5133 ☆	543-2	5	14.5	6.5	1		2.13	36	3	3
C609	(Nb4001xNb6526)xNb1386 ☆☆☆	512-7	6.5	14	5	2.5		2.13	37	3	3
C632	(Nb8483xNb2306)xNb2195 ☆☆☆	519-2	9.5	8.5	7	1	1	2.09	38	3	3
C612	(L7551 x 1131) x L0567	503-13	10	10	7	1		1.96	39	4	4
C635	(2327x2289)x((LRSxHCM)x2327)	562-3	10.5	8	7.5	1		1.96	40	3.5	4
C631	BX 1144	Bejo	6	16.5	4.5			1.94	41	3	3
C655	(Nb1393 x L0569) x 5133 ☆	543-5	7	15.5	3.5	1		1.94	42	4.5	4
C630	(Nb13932 x L0569) x Nb1175 ☆☆	510-4	8.5	13	5	0.5		1.91	43	3	3
C624	(Nb8483 x Nb2306) x L0567 ☆☆	503-12	11	11	5		1	1.89	44	3	3
C650	(SC x Nb8542) x Nb1386 ☆☆	512-8	8.5	14.5	4			1.83	45	3	3
C618	(Nb1393 x L0569) x L2577 ☆	535-9	9	15	4			1.82	46	3	3
C629	(2327 x 2289) x 1131	509-4	12	8.5	6	0.5		1.81	47	3	3
C659	2327A x 2303B	B123-3	10.5	12.5	4			1.76	48	4	4
C638	(L7551 x 1131) x 5133	543-8	13	8	3.5	1.5		1.75	49	3	3
C607	(SCxNb8542)xNb9324/4216 ☆☆	576-11	14.5	8.5	3	2		1.73	50	3	3
C646	(L7551A x 1131B) x L5134	544-8	12.5	11.5	3			1.65	51	3	3
C657	(Nb8524xNb8483 ²)xNb6526 ☆☆☆	568-8	20	2	2	3		1.56	52	3	3
C621	(Nb8524xNb8483 ²)xNpw2191 ☆☆☆	518-4	19	5	2.5	1.5		1.52	53	3	3
C649	(SC x Npw2191 ²) x Nb9297 ☆☆	575-3	19	6	2			1.37	54	3	3

Entry	Pedigree or Name	Source	Number of Judges Placing in Class					Mean ¹	Rank	Flavor ²	
			1	2	3	4	5			H	S
C636	(L1406 x L1401) x Nb1175 ☆	510-5	19.5	6.5		1		1.35	55	3	3
C642	(L1406 x L1401) x L5134	544-6	17.5	9.5				1.35	56	3	3
C641	(SC x L0569) x L1408	516-9	19.5	7.5				1.28	57	3	3
C601	Maverick	Nunhems			3.5	12.5	4	4.03		3	3
C602	(Nb8531xNb3999)xNb6526	086-5		10.5	12.5	5		2.80		3	3
C660	FCR 15515 Nantes	Sakata	2	5	12	6	1	2.96		4	4
C661	FCR 14411 Nantes	Sakata	1	4.5	10	9.5	1	3.19		4.5	4
C662	FCR 15525 Nantes	Sakata	2	6.5	9.5	7	1	2.94		4	4
C663	FCR 15517 Nantes	Sakata	2	10.5	11.5	1	1	2.56		3.5	4
C664	FCR 15531 Nantes	Sakata	4	13	4	4	1	2.42		3.5	4
C665	FCR 15545 Nantes	Sakata	2	8	13	3		2.65		4.5	4

¹ Mean based on average of 28 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

Each ☆ indicates that one parent is a nematode resistant line

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													
T601	White Satin	Bejo	1		3	2	1	3.29	6	4	5	White	
T602	Snow Man	Nunhems	1	1	2.5	1.5	1	3.07	11	4	5	White	
T603	Yellowstone	Bejo		1.5	2	2.5	1	3.43	5	3.5	4	Yellow	
T604	(S.C. x Z021) x Y8519	574-3	5	1	1			1.43	30	3.5	4	Yellow	
T605	YellowBunch	Nunhems		1.5	4	1.5		3.00	12	3.5	4	Yellow	
T606	Mello Yello	Bejo		2	1.5	3	0.5	3.29	7	3	4	Yellow	
T607	CreamPak	Nunhems			3	1.5	2.5	3.93	1	4	4.5	Cream	
T608	TI-115	Takii	1	1	5			2.57	18	4.5	4	Orange	
T609	Rainbow	Bejo	1		2.5	1.5	1	3.25	8	4.5	4	Mixed	
T610	(S.C. x R6259) x R8201	275-3	1	1.5	3.5	1		2.64	16	4	4	Red	
T611	R6637	370-1	1.5	2.5	1	2		2.50	19	4	4	Red	
T612	R8201 x R0148	101-4	1.5	3	1.5	1		2.29	26	4	3.5	Red	
T613	R.S.C. x (R0148 cg R6220)	252-4			3.5	3.5		2.50	20	4	4	Red	
T614	TI-126	Takii	0.5	1.5	3.5	1.5		2.86	14	3.5	4	Red	
T615	(S.C. x R6220) x R8201	275-2	0.5	3.5	2	1		2.50	21	3	4	Red	
T616	R.S.C. x R8197	067-3	1.5	1.5	1.5	1.5		2.50	22	3.5	4	Red	
T617	(R.S.C. x R6259) x R8197	273-5		2		3.5	1.5	3.64	3	4	4	Red	
T618	R.S.C. x R8201	131-2	1	3.5	0.5	1		2.25	27	4.5	4	Red	
T619	Purple Sun	Bejo	1	0.5	2	1.5		2.80	15	3	4	Purple	
T620	(P6139A x P6245) x P6360	125-5	1	0.5	3.5			2.50	23	4	4	Purple	
T621	Purple Haze	Bejo	2	0.5	3	0.5		2.33	25	4	4	Purple	
T622	(Nb8483xNbh2306)xNpw2191☆☆☆	518-2	2.5	0.5	2			1.90	29	3.5	4	Purple	
T623	NUN 89682	Nunhems	1		2	1	1	3.20	9	3.5	4	Purple	
T624	(Nb8483xNbh4216)xNpw2191☆☆☆	518-3	2	2	2			2.00	28	3.5	4	Purple	
T625	S.C. x R6259) x R8197	273-4	1.5	1.5	1	2		2.58	17	3	4	Red	
T626	Deep Purple	Bejo		1	1.5	1.5	2	3.75	2	4	4	Purple	
T627	P6139	656-1		1	4	1		3.00	13	4	4	Purple	
T628	PurpleElite	Nunhems		1.5	1.5	1	2	3.58	4	3.5	4	Purple	
T629	P.S.C. x P5401	558-2	1	3	1.5	1.5		2.50	24	4	4	Purple	
T630	P.S.C. x P6139	060-2		2	2.5	2	0.5	3.14	10	4	4	Purple	

¹ Mean based on average of 7 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

Entry	Pedigree or Name	Source	Number of Judges Placing in Class					Mean ¹	Rank	Flavor ²		
			1	2	3	4	5			H	S	Color
Entries Listed by Rank												
T607	CreamPak	Nunhems			3	1.5	2.5	3.93	1	4	4.5	Cream
T626	Deep Purple	Bejo		1	1.5	1.5	2	3.75	2	4	4	Purple
T617	(R.S.C. x R6259) x R8197	273-5		2		3.5	1.5	3.64	3	4	4	Red
T628	PurpleElite	Nunhems		1.5	1.5	1	2	3.58	4	3.5	4	Purple
T603	Yellowstone	Bejo		1.5	2	2.5	1	3.43	5	3.5	4	Yellow
T601	White Satin	Bejo	1		3	2	1	3.29	6	4	5	White
T606	Mello Yello	Bejo		2	1.5	3	0.5	3.29	7	3	4	Yellow
T609	Rainbow	Bejo	1		2.5	1.5	1	3.25	8	4.5	4	Mixed
T623	NUN 89682	Nunhems	1		2	1	1	3.20	9	3.5	4	Purple
T630	P.S.C. x P6139	060-2		2	2.5	2	0.5	3.14	10	4	4	Purple
T602	Snow Man	Nunhems	1	1	2.5	1.5	1	3.07	11	4	5	White
T605	YellowBunch	Nunhems		1.5	4	1.5		3.00	12	3.5	4	Yellow
T627	P6139	656-1		1	4	1		3.00	13	4	4	Purple
T614	TI-126	Takii	0.5	1.5	3.5	1.5		2.86	14	3.5	4	Red
T619	Purple Sun	Bejo	1	0.5	2	1.5		2.80	15	3	4	Purple
T610	(S.C. x R6259) x R8201	275-3	1	1.5	3.5	1		2.64	16	4	4	Red
T625	S.C. x R6259) x R8197	273-4	1.5	1.5	1	2		2.58	17	3	4	Red
T608	TI-115	Takii	1	1	5			2.57	18	4.5	4	Orange
T611	R6637	370-1	1.5	2.5	1	2		2.50	19	4	4	Red
T613	R.S.C. x (R0148 cg R6220)	252-4			3.5	3.5		2.50	20	4	4	Red
T615	(S.C. x R6220) x R8201	275-2	0.5	3.5	2	1		2.50	21	3	4	Red
T616	R.S.C. x R8197	067-3	1.5	1.5	1.5	1.5		2.50	22	3.5	4	Red
T620	(P6139A x P6245) x P6360	125-5	1	0.5	3.5			2.50	23	4	4	Purple
T629	P.S.C. x P5401	558-2	1	3	1.5	1.5		2.50	24	4	4	Purple
T621	Purple Haze	Bejo	2	0.5	3	0.5		2.33	25	4	4	Purple
T612	R8201 x R0148	101-4	1.5	3	1.5	1		2.29	26	4	3.5	Red
T618	R.S.C. x R8201	131-2	1	3.5	0.5	1		2.25	27	4.5	4	Red
T624	(Nb8483xNbh4216)xNpw2191☆☆☆	518-3	2	2	2			2.00	28	3.5	4	Purple
T622	(Nb8483xNbh2306)xNpw2191☆☆☆	518-2	2.5	0.5	2			1.90	29	3.5	4	Purple
T604	(S.C. x Z021) x Y8519	574-3	5	1	1			1.43	30	3.5	4	Yellow

¹ Mean based on average of 7 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