



**United States Department of Agriculture**

Research, Education, and Economics  
Agricultural Research Service

March 20, 2009

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

The results of the 2009 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 2009

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>											
B901	Imperial Cuts	Integra		1	4.5	9.5	7	4.02		4	4
B902	SugarSnax	Nunhems	1	4	5.5	7.5	4	3.43		4	4
B903	Propeel	Seminis			2	10	10	4.36		3	4
B904	(5280 × 7808) × 9787	808-2	10	11	3			1.71	92	4	4
B905	(2126 × 7808) × 7322	168-6	2	9	11	2		2.54	42	4	4
B906	(2302 × 6366) × 7322	168-5	1	4.5	11	7	1	3.10	15	4	4
B907	(5280 × 7808) × 9780	801-2	2	8	11	2	1	2.67	36	4	4
B908	[(5280 × 6366) × V.long] × Long	220-4		2	10	10	2	3.50	7	4	4
B909	Bejo 2724	Bejo		3	4.5	11	6	3.81	4	4	4
B910	(6333 × 8542MjR) × 5497	160-3	3	11	10			2.29	63	4	4
B911	KXPC-060	Integra		4	6.5	8.5	5	3.60	6	3	4
B912	(6366 × 2205) × 7551	759-6	1	8	11	4		2.75	29	3.5	4
B913	(6366 × 2226) × 2126	009-9	7	12	4	1		1.96	85	4	5
B914	NUN 8585	Nunhems	1	4	6.5	8.5	4	3.44	9	4	4
B915	(6366 × 2226) × 9786	807-4	6	11	7.5			2.06	80	2.5	4
B916	CX-396	Vilmorin	1	6.5	15	2		2.73	32	4	4
B917	(6253 × 2144) × 9780	801-3	1	11	12	1		2.52	44	3	4
B918	(6366 × 5238) × 6526	162-4	6	15	3			1.88	88	2	4
B919	ZEUS	Sakata		6	14	2.5	2	3.02	19	4	4
B920	(6253 × 2144) × 3035	640-5	4	14	6			2.08	79	4.5	4
B921	Tastypeel	Seminis		4	10	9	1	3.29	11	3	4
B922	(6333 × 6366) × 7322	569-5	4	7.5	12	1		2.40	51	4	4
B923	SugarSnax	Nunhems		5	8.5	8	2.5	3.33	10	4	4
B924	(2126 × 6253) × FN2-9	487-5	4	7.5	12	1		2.40	52	4	4
B925	(5280 × 6366) × 5238	014-9	7	7	8	1	1	2.25	68	2.5	4
B926	PS 1441	Seminis		2	6	10	6	3.83	3	4	4
B927	(6366 × 8378) × 7322	491-5	4	9.5	8.5	1	1	2.40	53	4	4
B928	VAC 47	Vilmorin	2	3	12	7		3.00	20	4	4
B929	(2126 × 6253) × 7322	491-4	1	12	8	3		2.54	43	4	4
B930	(6253 × 2144) × 9789	810-3		2	2	14	6	4.00	1	4.5	4
B931	(6366 × 2226) × 9792	891-4	2	2	9	10	1	3.25	13	3.5	4
B932	Imperial Cuts	Integra		7	12	5		2.92	24	4	4
B933	(2144 × 7241) × 6333	642-4	2	11	6	5		2.58	39	4	4
B934	CX-366	Vilmorin	6	10	6.5	1.5		2.15	76	3	4
B935	(6366 × 5238) × 7553	753-5		5.5	9.5	8	1	3.19	14	4	4
B936	TRITON	Sakata	3	4	11	5	1	2.88	25	3.5	4
B937	(6366 × 2226) × 9789	810-4	8	9	5	2		2.04	81	4	4
B938	FCR-8394	Sakata		6.5	9.5	7	1	3.10	16	4	4
B939	(6333 × 8524MjR) × 6526	237-5	4	8.5	11	1		2.35	57	4	4
B940	(6366 × 2226) × 9780	801-4	8	9	7			1.96	86	4	4
B941	NBC M864	Nunhems	2	6.5	13	3		2.69	35	3.5	4
B942	(6366 × 2226) × 9785	806-4	5	7.5	12			2.27	65	4	4
B943	(5280 × 7808) × 9781	802-2	2	9.5	5.5	7		2.73	33	4	4
B944	KXPC-165	Integra	1	1	10	10	2	3.46	8	4	4
B945	(6366 × 6274) × 7403	240-2	4	8	11	1		2.38	55	4	4
B946	PS 1405	Seminis	5	6	7	5.5	0.5	2.60	38	4.5	4
B947	(6253 × 2144) × 7322	296-3	5	11	5	3		2.25	69	4	4.5
B948	Propeel	Seminis		3	2.5	15	4	3.81	5	3.5	4
B949	(5280 × 5238) × 7322	296-2	6	10	6	2		2.17	73	2.5	4
B950	FCR-8393	Sakata	10	7	5		2	2.04	82	3.5	4
B951	(5280 × 2126) × 7322	756-5	4	13	6	1		2.17	74	4	4

## USDA California Carrot Trials 2009

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
B952	(5280 × 7808) × 9791	890-2	10	8.5	5.5			1.81	90	2.5	4
B953	KXPC-222	Integra	1	4	14	3	2	3.04	18	3.5	4
B954	(2126 × 2144) × 7551	759-2	6	10	5	3		2.21	70	2	4
B955	CX-371	Vilmorin	4	3.5	11	4.5	1	2.79	28	4	4
B956	(2126 × 7241) × 7551	759-3	1	8.5	10	4.5		2.75	30	4	4
B957	(6253 × 2144) × 9791	890-3	4	11	9			2.21	71	4	4
B958	NUN 8588	Nunhems	3	6.5	8	6.5		2.75	31	4	4
B959	(5280 × 6366) × 1111	225-2	10	11	3			1.71	93	3	4
B960	FCR-8395	Sakata	4	11	9			2.21	72	4	4
B961	(6366 × 5238) × 7551	759-7	5	12	6	1		2.13	78	4	4
B962	UpperCut	Nunhems	1	4.5	13	6		2.98	22	3.5	4
B963	(2566 × 6253) × 2205	012-7	14	9	1			1.46	95	4	4
B964	(5280 × 6366) × 5438	017-7	10	10	3	1		1.79	91	3	4
B965	(2126 × 7241) × 7553	753-3	4	9.5	11			2.27	66	4	4
B966	(6366 × 2226) × 9793	892-4	2	9.5	12	1		2.48	45	4	4
B967	PS 1603	Seminis	2	2	12	7.5	0.5	3.10	17	3	4
B968	(6366 × 2226) × 9791	890-4	16	8				1.33	96	3	4
B969	(5280 × 7808) × 9792	891-2	1	8	12	3		2.71	34	4	4
B970	(6366 × 2226) × 5438	157-7	2	12	9	1		2.38	56	4	4
B971	NUN 8579	Nunhems		1	6	10	7	3.96	2	4.5	4
B972	(6333 × 8233) × 4000MjR	79379×79370-8	2	4	14	4.5		2.85	26	3	4
B973	KXPC-162	Integra	1	3	9.5	9.5	1	3.27	12	4	4
B974	(6253 × 2144) × 9781	802-3	4	8.5	12			2.31	61	2	4
B975	(6366 × 2226) × 9781	802-4	1	12	10	1		2.46	47	2	4
B976	(5280 × 7808) × 9794	893-2	2	7	14	1		2.58	40	4	4
B977	(2144 × 2126) × 4002MjR	79389×79388-9	7	13	3	1		1.92	87	2	4
B978	FCR-8392	Sakata	5	9.5	6.5	3		2.31	62	4	4
B979	(5280 × 7808) × 9782	803-2	6	13	3	2		2.04	83	4	4
B980	TopCut	Nunhems	4	5	12	3		2.58	41	3.5	4
B981	(6333 × 8233) × 7808	394-3	2	10	11	1		2.46	48	4	4
B982	(2126 × 6253) × 4000MjR	79371×79370-8	3	13	7.5	1		2.27	67	3	4
B983	(6253 × 2144) × 9782	803-3	1	7	16			2.63	37	3.5	4
B984	(6366 × 2226) × 9782	803-4	4	9	10	1		2.33	58	4	4
B985	(6366 × 8378) × 7403	240-7	6	8	7	3		2.29	64	4	4
B986	(2126 × 7808) × 4000MjR	79373×79370-8	5	6.5	11	2		2.40	54	4	4
B987	(6253 × 2144) × 7241	027-6	7	7	9	1		2.17	75	4	4
B988	(2566 × 6253) × 7808	029-9	7	14	2	1		1.88	89	4	4
B989	(6333 × 5438) × 7322	296-4	3	9.5	9.5	2		2.44	50	2	4
B990	(6366 × 2226) × 9794	893-4	1	6.5	13	4		2.81	27	4	4
B991	(5280 × 7808) × 9784	805-2	2	11	9	2		2.46	49	2.5	4
B992	(6253 × 2144) × 9784	805-3	1	4	13	6		3.00	21	3.5	4
B993	(5280 × 7808) × 4000MjR	79377×79370-8	2	13	6.5	2	1	2.48	46	3.5	4
B994	(6366 × 2226) × 9784	805-4		7.5	11	6		2.94	23	4	4
B995	(5280 × 7808) × 9785	806-2	1	15	7	1		2.33	59	4	4
B996	(6366 × 8378) × 7322	569-4	3	12	7	2		2.33	60	3	4
B997	(2566 × 5238) × 7322	491-2	4	14	5.5	1		2.15	77	4	4
B998	(6366 × 8378) × 3035	322-4	12	9	3			1.63	94	3	4
B999	(6366 × 5238) × 3035	490-5	6	12	5	1		2.04	84	2.5	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

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Entry	Pedigree or Name	Source	Number of Judges Placing in Class					Flavor <sup>2</sup>	H	S	
			1	2	3	4	5				Mean <sup>1</sup>
<b>Entries Listed by Rank</b>											
B930	(6253 × 2144) × 9789	810-3		2	2	14	6	4.00	1	4.5	4
B971	NUN 8579	Nunhems		1	6	10	7	3.96	2	4.5	4
B926	PS 1441	Seminis		2	6	10	6	3.83	3	4	4
B909	Bejo 2724	Bejo		3	4.5	11	6	3.81	4	4	4
B948	Propeel	Seminis		3	2.5	15	4	3.81	5	3.5	4
B911	KXPC-060	Integra		4	6.5	8.5	5	3.60	6	3	4
B908	[(5280 × 6366) × V.long] × Long	220-4		2	10	10	2	3.50	7	4	4
B944	KXPC-165	Integra	1	1	10	10	2	3.46	8	4	4
B914	NUN 8585	Nunhems	1	4	6.5	8.5	4	3.44	9	4	4
B923	SugarSnax	Nunhems		5	8.5	8	2.5	3.33	10	4	4
B921	Tastypeel	Seminis		4	10	9	1	3.29	11	3	4
B973	KXPC-162	Integra	1	3	9.5	9.5	1	3.27	12	4	4
B931	(6366 × 2226) × 9792	891-4	2	2	9	10	1	3.25	13	3.5	4
B935	(6366 × 5238) × 7553	753-5		5.5	9.5	8	1	3.19	14	4	4
B906	(2302 × 6366) × 7322	168-5	1	4.5	11	7	1	3.10	15	4	4
B938	FCR-8394	Sakata		6.5	9.5	7	1	3.10	16	4	4
B967	PS 1603	Seminis	2	2	12	7.5	0.5	3.10	17	3	4
B953	KXPC-222	Integra	1	4	14	3	2	3.04	18	3.5	4
B919	ZEUS	Sakata		6	14	2.5	2	3.02	19	4	4
B928	VAC 47	Vilmorin	2	3	12	7		3.00	20	4	4
B992	(6253 × 2144) × 9784	805-3	1	4	13	6		3.00	21	3.5	4
B962	UpperCut	Nunhems	1	4.5	13	6		2.98	22	3.5	4
B994	(6366 × 2226) × 9784	805-4		7.5	11	6		2.94	23	4	4
B932	Imperial Cuts	Integra		7	12	5		2.92	24	4	4
B936	TRITON	Sakata	3	4	11	5	1	2.88	25	3.5	4
B972	(6333 × 8233) × 4000MjR	79379×79370-8	2	4	14	4.5		2.85	26	3	4
B990	(6366 × 2226) × 9794	893-4	1	6.5	13	4		2.81	27	4	4
B955	CX-371	Vilmorin	4	3.5	11	4.5	1	2.79	28	4	4
B912	(6366 × 2205) × 7551	759-6	1	8	11	4		2.75	29	3.5	4
B956	(2126 × 7241) × 7551	759-3	1	8.5	10	4.5		2.75	30	4	4
B958	NUN 8588	Nunhems	3	6.5	8	6.5		2.75	31	4	4
B916	CX-396	Vilmorin	1	6.5	15	2		2.73	32	4	4
B943	(5280 × 7808) × 9781	802-2	2	9.5	5.5	7		2.73	33	4	4
B969	(5280 × 7808) × 9792	891-2	1	8	12	3		2.71	34	4	4
B941	NBC M864	Nunhems	2	6.5	13	3		2.69	35	3.5	4
B907	(5280 × 7808) × 9780	801-2	2	8	11	2	1	2.67	36	4	4
B983	(6253 × 2144) × 9782	803-3	1	7	16			2.63	37	3.5	4
B946	PS 1405	Seminis	5	6	7	5.5	0.5	2.60	38	4.5	4
B933	(2144 × 7241) × 6333	642-4	2	11	6	5		2.58	39	4	4
B976	(5280 × 7808) × 9794	893-2	2	7	14	1		2.58	40	4	4
B980	TopCut	Nunhems	4	5	12	3		2.58	41	3.5	4
B905	(2126 × 7808) × 7322	168-6	2	9	11	2		2.54	42	4	4
B929	(2126 × 6253) × 7322	491-4	1	12	8	3		2.54	43	4	4
B917	(6253 × 2144) × 9780	801-3	1	11	12	1		2.52	44	3	4
B966	(6366 × 2226) × 9793	892-4	2	9.5	12	1		2.48	45	4	4
B993	(5280 × 7808) × 4000MjR	79377×79370-8	2	13	6.5	2	1	2.48	46	3.5	4
B975	(6366 × 2226) × 9781	802-4	1	12	10	1		2.46	47	2	4
B981	(6333 × 8233) × 7808	394-3	2	10	11	1		2.46	48	4	4
B991	(5280 × 7808) × 9784	805-2	2	11	9	2		2.46	49	2.5	4
B989	(6333 × 5438) × 7322	296-4	3	9.5	9.5	2		2.44	50	2	4
B922	(6333 × 6366) × 7322	569-5	4	7.5	12	1		2.40	51	4	4

## USDA California Carrot Trials 2009

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
B924	(2126 × 6253) × FN2-9	487-5	4	7.5	12	1		2.40	52	4	4
B927	(6366 × 8378) × 7322	491-5	4	9.5	8.5	1	1	2.40	53	4	4
B986	(2126 × 7808) × 4000MjR	79373×79370-8	5	6.5	11	2		2.40	54	4	4
B945	(6366 × 6274) × 7403	240-2	4	8	11	1		2.38	55	4	4
B970	(6366 × 2226) × 5438	157-7	2	12	9	1		2.38	56	4	4
B939	(6333 × 8524MjR) × 6526	237-5	4	8.5	11	1		2.35	57	4	4
B984	(6366 × 2226) × 9782	803-4	4	9	10	1		2.33	58	4	4
B995	(5280 × 7808) × 9785	806-2	1	15	7	1		2.33	59	4	4
B996	(6366 × 8378) × 7322	569-4	3	12	7	2		2.33	60	3	4
B974	(6253 × 2144) × 9781	802-3	4	8.5	12			2.31	61	2	4
B978	FCR-8392	Sakata	5	9.5	6.5	3		2.31	62	4	4
B910	(6333 × 8542MjR) × 5497	160-3	3	11	10			2.29	63	4	4
B985	(6366 × 8378) × 7403	240-7	6	8	7	3		2.29	64	4	4
B942	(6366 × 2226) × 9785	806-4	5	7.5	12			2.27	65	4	4
B965	(2126 × 7241) × 7553	753-3	4	9.5	11			2.27	66	4	4
B982	(2126 × 6253) × 4000MjR	79371×79370-8	3	13	7.5	1		2.27	67	3	4
B925	(5280 × 6366) × 5238	014-9	7	7	8	1	1	2.25	68	2.5	4
B947	(6253 × 2144) × 7322	296-3	5	11	5	3		2.25	69	4	4.5
B954	(2126 × 2144) × 7551	759-2	6	10	5	3		2.21	70	2	4
B957	(6253 × 2144) × 9791	890-3	4	11	9			2.21	71	4	4
B960	FCR-8395	Sakata	4	11	9			2.21	72	4	4
B949	(5280 × 5238) × 7322	296-2	6	10	6	2		2.17	73	2.5	4
B951	(5280 × 2126) × 7322	756-5	4	13	6	1		2.17	74	4	4
B987	(6253 × 2144) × 7241	027-6	7	7	9	1		2.17	75	4	4
B934	CX-366	Vilmorin	6	10	6.5	1.5		2.15	76	3	4
B997	(2566 × 5238) × 7322	491-2	4	14	5.5	1		2.15	77	4	4
B961	(6366 × 5238) × 7551	759-7	5	12	6	1		2.13	78	4	4
B920	(6253 × 2144) × 3035	640-5	4	14	6			2.08	79	4.5	4
B915	(6366 × 2226) × 9786	807-4	6	11	7.5			2.06	80	2.5	4
B937	(6366 × 2226) × 9789	810-4	8	9	5	2		2.04	81	4	4
B950	FCR-8393	Sakata	10	7	5		2	2.04	82	3.5	4
B979	(5280 × 7808) × 9782	803-2	6	13	3	2		2.04	83	4	4
B999	(6366 × 5238) × 3035	490-5	6	12	5	1		2.04	84	2.5	4
B913	(6366 × 2226) × 2126	009-9	7	12	4	1		1.96	85	4	5
B940	(6366 × 2226) × 9780	801-4	8	9	7			1.96	86	4	4
B977	(2144 × 2126) × 4002MjR	79389×79388-9	7	13	3	1		1.92	87	2	4
B918	(6366 × 5238) × 6526	162-4	6	15	3			1.88	88	2	4
B988	(2566 × 6253) × 7808	029-9	7	14	2	1		1.88	89	4	4
B952	(5280 × 7808) × 9791	890-2	10	8.5	5.5			1.81	90	2.5	4
B964	(5280 × 6366) × 5438	017-7	10	10	3	1		1.79	91	3	4
B904	(5280 × 7808) × 9787	808-2	10	11	3			1.71	92	4	4
B959	(5280 × 6366) × 1111	225-2	10	11	3			1.71	93	3	4
B998	(6366 × 8378) × 3035	322-4	12	9	3			1.63	94	3	4
B963	(2566 × 6253) × 2205	012-7	14	9	1			1.46	95	4	4
B968	(6366 × 2226) × 9791	890-4	16	8				1.33	96	3	4
B901	Imperial Cuts	Integra		1	4.5	9.5	7	4.02		4	4
B902	SugarSnax	Nunhems	1	4	5.5	7.5	4	3.43		4	4
B903	Propeel	Seminis			2	10	10	4.36		3	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

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 Field Number</b>											
C901	Enterprise	Seminis	1	4	11	6		3.00		3.5	4
C902	Maverick	Nunhems	1		13	7	1	3.32		4	4
C903	Olympus	Sakata			3	13	6	4.14		4	4
C904	(5280 × 7808) × 8503MjR	246-6	1		17	4	2	3.25	5	4	4
C905	(6366 × 2226) × 5280	154-7		5	13	4	2	3.13	7	4	4
C906	CX 171	Vilmorin	1	4	5	9	5	3.54	2	3.5	4
C907	(6274 × 5280) × 7403	820-4 '98	8.5	6.5				1.43	61	4	4
C908	(6253 × 5238) × 1138	751-3	2.5	7	13	2		2.58	28	4	4
C909	NBC M804	Nunhems	2.5	3.5	10	6	2	3.06	8	4	4
C910	(2566 × 5238) × 2205	012-6	2	5	12	5		2.83	16	4	4
C911	KXPC 168	Integra	3	9	9	3		2.50	33	4.5	4
C912	(5280 × 7808) × 1111	225-7	3	7	12	2.5		2.56	29	4	4
C913	(5280 × 6366) × 8233	031-11	1	4	7	9	3	3.38	4	4.5	4
C914	S.C. × 8542MjR	821-6 '98	14	9	1			1.46	60	4	4
C915	FCH-003	Takii	9	8	2	4	1	2.17	48	4	4
C916	(6366 × 8378) × 1138	392-3	3	6	11	4		2.67	24	4	4
C917	FCR-8396	Sakata	1	5.5	14	3	1	2.90	13	4	4
C918	(6366 × 2226) × 6526	738-2 '97	3	10	10	1		2.38	42	3.5	4
C919	Dominion	Seminis	4	8	10	2		2.42	39	4	4
C920	Maverick	Nunhems	1	5	9	7	2	3.17	6	4	4
C921	(2144 × 8503) × 8524	176-7	1	11	8.5	4		2.65	25	4	4
C922	(6253 × 2144) × 6333	023-11	3	10	8	3		2.46	36	3	4
C923	PX 0710 1404	Seminis	13	7	4			1.63	59	3.5	4
C924	(6333 × 8233) × 6526	162-5	4	11	7	2		2.29	45	4	4
C925	NBC M866	Nunhems	4	7	9	4		2.54	30	4	4
C926	(5280 × 6366) × 7254	752-3	1	2.5	8.5	10	2	3.40	3	4	4
C927	KXPC-405	Integra	1	9	13	1.5		2.60	27	4	4
C928	S.C. × 7403MjR	820-6 '98	7	14	3			1.83	56	3	4
C929	(5280 × 7808) × 2126	749-3	3	12	6.5	2.5		2.35	43	4	4
C930	(7241 × 2126) × 0186	135-2		0.5	8.5	13	2	3.69	1	3	4
C931	CX 480	Vilmorin	5	5.5	9.5	3.5	0.5	2.54	31	4	4
C932	Envy	Seminis	2	4	9	9		3.04	10	4	4
C933	(5280 × 7808) × 9783	804-2	9	11	4			1.79	57	4	4
C934	(5280 × 7808) × 3035	490-4	2	9.5	8.5	3.5	0.5	2.63	26	4	4
C935	NBC M776	Nunhems	5	10	9			2.17	49	4	4
C936	(5280 × 5238) × 7241	027-5	1	12	10	1.5		2.50	34	4	3
C937	XCR4856	Sakata	1	1.5	18	3	1	3.06	9	4	4
C938	(6366 × 2226) × 7322	296-6	2	13	5.5	4		2.48	35	2	4
C939	PX 0710 2274	Seminis	5	9	9	1		2.25	46	4	4
C940	(5280 × 5238) × 8233	031-10	10	8	5	1		1.88	55	4	4
C941	Enterprise	Seminis	7	9	7	1		2.08	52	4	4
C942	(2144 × 5238) × 8233	493-4	3	13	5	2.5	0.5	2.35	44	4	4
C943	FCR-7377	Sakata	1	5	12	6		2.96	11	4	4
C944	(7241 × 2144) × 7403	028-4	1	8	10	5		2.79	19	4	4
C945	(6366 × 5238) × 7254	752-6		5.5	14	4.5		2.96	12	3	4
C946	KXPC-404	Integra	2	2.5	16	4		2.90	14	4	4
C947	(6366 × 2226) × 7403	169-2	1	6	13	4		2.83	17	4	4
C948	(6253 × 2144) × 9786	807-3	9	14	1.5			1.69	58	4	4
C949	{S.C. × 8524MjR} × 7322	756-4	5	12	7.5			2.10	51	4	4
C950	NBC M877	Nunhems	11	5	6	2		1.96	54	4	4
C951	(6366 × 2226) × 2144	011-9		12	5	5	1	2.78	20	4	4
C952	(6253 × 2144) × 9788	809-3	7	8	6	3		2.21	47	3	4
C953	Olympus	Sakata		8	12	4		2.83	18	4	4
C954	[S.C. × (BR × 6274)] × 1138	751-2	1.5	8.5	10	3	1	2.73	22	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
C955	NBC M883	Nunhems	2	7	10	5	2.75	21	4	4	
C956	(6366 × 2226) × 9788	809-4	1	7	14	2	2.71	23	3	4	
C957	(7241 × 2126) × 8524MjR	248-5	2	11	12		2.40	40	4	4	
C958	(6366 × 2226) × 8524MjR	176-6	3	10	9	1	1	2.46	37	4	4
C959	SUN 255	Nunhems	3	4	10	7		2.88	15	4	4
C960	(2144 × 2126) × 6526	162-6	6	12	5	1		2.04	53	4	4
C961	(5280 × 7808) × 9789	810-2	14	10				1.42	62	4	4
C962	KXPC-020	Integra	3	11	7.5	2.5		2.40	41	4	4
C963	(6333 × 6366) × 8233	297-5	2	10	9	3		2.54	32	4	4
C964	(6333 × 8483MjR) × 2126	145-3	2	10	12	0.5		2.44	38	2	4
C965	(5280 × 7808) × 9786	807-2	5	12	6	1		2.13	50	—	—

<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

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>											
C930	(7241 × 2126) × 0186	135-2		0.5	8.5	13	2	3.69	1	3	4
C906	CX 171	Vilmorin	1	4	5	9	5	3.54	2	3.5	4
C926	(5280 × 6366) × 7254	752-3	1	2.5	8.5	10	2	3.40	3	4	4
C913	(5280 × 6366) × 8233	031-11	1	4	7	9	3	3.38	4	4.5	4
C904	(5280 × 7808) × 8503MjR	246-6	1		17	4	2	3.25	5	4	4
C920	Maverick	Nunhems	1	5	9	7	2	3.17	6	4	4
C905	(6366 × 2226) × 5280	154-7		5	13	4	2	3.13	7	4	4
C909	NBC M804	Nunhems	2.5	3.5	10	6	2	3.06	8	4	4
C937	XCR4856	Sakata	1	1.5	18	3	1	3.06	9	4	4
C932	Envy	Seminis	2	4	9	9		3.04	10	4	4
C943	FCR-7377	Sakata	1	5	12	6		2.96	11	4	4
C945	(6366 × 5238) × 7254	752-6		5.5	14	4.5		2.96	12	3	4
C917	FCR-8396	Sakata	1	5.5	14	3	1	2.90	13	4	4
C946	KXPC-404	Integra	2	2.5	16	4		2.90	14	4	4
C959	SUN 255	Nunhems	3	4	10	7		2.88	15	4	4
C910	(2566 × 5238) × 2205	012-6	2	5	12	5		2.83	16	4	4
C947	(6366 × 2226) × 7403	169-2	1	6	13	4		2.83	17	4	4
C953	Olympus	Sakata		8	12	4		2.83	18	4	4
C944	(7241 × 2144) × 7403	028-4	1	8	10	5		2.79	19	4	4
C951	(6366 × 2226) × 2144	011-9		12	5	5	1	2.78	20	4	4
C955	NBC M883	Nunhems	2	7	10	5		2.75	21	4	4
C954	[S.C. × (BR × 6274)] × 1138	751-2	1.5	8.5	10	3	1	2.73	22	4	4
C956	(6366 × 2226) × 9788	809-4	1	7	14	2		2.71	23	3	4
C916	(6366 × 8378) × 1138	392-3	3	6	11	4		2.67	24	4	4
C921	(2144 × 8503) × 8524	176-7	1	11	8.5	4		2.65	25	4	4
C934	(5280 × 7808) × 3035	490-4	2	9.5	8.5	3.5	0.5	2.63	26	4	4
C927	KXPC-405	Integra	1	9	13	1.5		2.60	27	4	4
C908	(6253 × 5238) × 1138	751-3	2.5	7	13	2		2.58	28	4	4
C912	(5280 × 7808) × 1111	225-7	3	7	12	2.5		2.56	29	4	4
C925	NBC M866	Nunhems	4	7	9	4		2.54	30	4	4
C931	CX 480	Vilmorin	5	5.5	9.5	3.5	0.5	2.54	31	4	4
C963	(6333 × 6366) × 8233	297-5	2	10	9	3		2.54	32	4	4
C911	KXPC 168	Integra	3	9	9	3		2.50	33	4.5	4
C936	(5280 × 5238) × 7241	027-5	1	12	10	1.5		2.50	34	4	3
C938	(6366 × 2226) × 7322	296-6	2	13	5.5	4		2.48	35	2	4
C922	(6253 × 2144) × 6333	023-11	3	10	8	3		2.46	36	3	4
C958	(6366 × 2226) × 8524MjR	176-6	3	10	9	1	1	2.46	37	4	4
C964	(6333 × 8483MjR) × 2126	145-3	2	10	12	0.5		2.44	38	2	4
C919	Dominion	Seminis	4	8	10	2		2.42	39	4	4
C957	(7241 × 2126) × 8524MjR	248-5	2	11	12			2.40	40	4	4
C962	KXPC-020	Integra	3	11	7.5	2.5		2.40	41	4	4
C918	(6366 × 2226) × 6526	738-2 '97	3	10	10	1		2.38	42	3.5	4
C929	(5280 × 7808) × 2126	749-3	3	12	6.5	2.5		2.35	43	4	4
C942	(2144 × 5238) × 8233	493-4	3	13	5	2.5	0.5	2.35	44	4	4
C924	(6333 × 8233) × 6526	162-5	4	11	7	2		2.29	45	4	4
C939	PX 0710 2274	Seminis	5	9	9	1		2.25	46	4	4
C952	(6253 × 2144) × 9788	809-3	7	8	6	3		2.21	47	3	4
C915	FCH-003	Takii	9	8	2	4	1	2.17	48	4	4
C935	NBC M776	Nunhems	5	10	9			2.17	49	4	4
C965	(5280 × 7808) × 9786	807-2	5	12	6	1		2.13	50	—	—
C949	{S.C. × 8524MjR} × 7322	756-4	5	12	7.5			2.10	51	4	4
C941	Enterprise	Seminis	7	9	7	1		2.08	52	4	4
C960	(2144 × 2126) × 6526	162-6	6	12	5	1		2.04	53	4	4
C950	NBC M877	Nunhems	11	5	6	2		1.96	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
C940	(5280 × 5238) × 8233	031-10	10	8	5	1	1.88	55	4	4	
C928	S.C. × 7403MjR	820-6 '98	7	14	3		1.83	56	3	4	
C933	(5280 × 7808) × 9783	804-2	9	11	4		1.79	57	4	4	
C948	(6253 × 2144) × 9786	807-3	9	14	1.5		1.69	58	4	4	
C923	PX 0710 1404	Seminis	13	7	4		1.63	59	3.5	4	
C914	S.C. × 8542MjR	821-6 '98	14	9	1		1.46	60	4	4	
C907	(6274 × 5280) × 7403	820-4 '98	8.5	6.5			1.43	61	4	4	
C961	(5280 × 7808) × 9789	810-2	14	10			1.42	62	4	4	
C901	Enterprise	Seminis	1	4	11	6	3.00		3.5	4	
C902	Maverick	Nunhems	1		13	7	1	3.32	4	4	
C903	Olympus	Sakata			3	13	6	4.14	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

## Novelty Carrots

## USDA California Carrot Trials 2009

Entry	Pedigree or Name	Source	Number of Judges Placing in Class					Flavor <sup>2</sup>		Color		
			1	2	3	4	5	Mean <sup>1</sup>	Rank		H	S
<b>Entries Listed by Field Number</b>												
T901	7262 × Turkish	218-7	5.5	12	5	1	2.07	39	3.5	4	Purple	
T902	FCH-001	Takii	6	4.5	4.5	8	2.63	18	4	4	Purple	
T903	7262 × Turkish	415-1	4	2.5	16	1	2.59	19	4	3.5	Purple	
T904	6139ddPYP	657-1	10	5	7	1	1.96	45	3.5	3	Purple	
T905	Deep Purple	Bejo	4	2	5.5	11	1	3.11	6	3.5	4	Purple
T906	6139ddP	656-1	4	5.5	13	1	2.50	23	3.5	4	Purple	
T907	Purple Haze	Bejo	9	10	3	1	1.83	48	4	4	Purple	
T908	6245	665-1	9	6	4	3	1	2.17	35	4	4	Purple
T909	Anthonina	Seminis	3	6.5	8.5	5	2.67	15	3.5	3.5	Purple	
T910	Eregli Turkey 1999	882-1	3	6	10	3	1	2.70	12	2.5	4	Purple
T911	6244	664-1	5	6.5	7.5	4	2.46	26	2.5	4	Purple	
T912	NBC PU 510	Nunhems	4	11	6	2	2.26	33	3.5	4	Purple	
T913	6306	671-1	7	7	7	2	2.17	36	3.5	4	Purple	
T914	Eregli Turkey 1999	699-1	6	10	7		2.04	41	4	4	Purple	
T915	PingDing × PI326011	106-2	7	8	6	2	2.13	37	4	4	Purple	
T916	PI 432903	104-3	6	6	7	3.5	0.5	2.41	27	3.5	4	Red
T917	FCH-002	Takii	3	4.5	4.5	7.5	3.5	3.17	5	3	4	Red
T918	[432906PRC × Reds] × Flavor	213-1	11	7	4	1	1.78	49	2	4	Red	
T919	Nutri-red	Seminis	2	6	10	5	2.78	10	2	3	Red	
T920	432906PRC × 319858JP	001-1	9	4	8.5	1	0.5	2.13	38	2	3	Red
T921	Kintoki	701-4	17	5	1		1.30	50	1	3	Red	
T922	(LWG × PI) × (PI × 2566)	410-1	5	6.5	7.5	3	1	2.50	24	3	3	Red
T923	432906PRC × 319858JP	412-1	5	6	8	3	1	2.52	22	3	3.5	Red
T924	(5280 × 6366) × Red	412-5	4	6	8	4	1	2.65	16	4	4	Red
T925	(LWG × PI) × (PI × 2566)	884-1	10	8	3	1.5	0.5	1.89	47	3.5	3	Red
T926	JOD × W.Belgian	002-1	7	9	5.5	1.5	2.07	40	4	4	Yellow	
T927	Yellowstone	Bejo	1	2	18	2.5	2.93	8	4.5	4	Yellow	
T928	Forage carrot-JOD	102-3	2	10	7	4	2.57	20	4	3	Yellow	
T929	PS 0710 0015	Seminis	3	3	7.5	8.5	1	3.07	7	4	4.5	Yellow
T930	NBC YE 322	Nunhems		2	4	9.5	7.5	3.98	1	4	4.5	Yellow
T931	Lobbericher	102-5	5	8	8.5	0.5	1	2.33	29	4	4	Yellow
T932	PS 0710 0005	Seminis	6	7.5	5.5	4	2.33	30	4	4.5	Yellow	
T933	WAR × JOD	102-4	2	5	14	2	2.70	13	4	4	Yellow	
T934	Mello Yello	Bejo		2	10	11	3.39	4	3	4	Yellow	
T935	WAR × JOD	211-4	2	8.5	11	2	2.54	21	4	4.5	Yellow	
T936	W.Belgian × JOD	310-1	2	6	13	2	2.65	17	4	4	Yellow	
T937	(6366 × 2226) × 8503MjR	702-2	5	14	4		1.96	46	4	4	Yellow	
T938	JOD × W.Belgian	886-1	2	10	11		2.39	28	4	4	Yellow	
T939	WAR × JOD	702-5	4	11	7	1	2.22	34	4	4.5	Yellow	
T940	Nun 8916	Nunhems			9.5	8.5	5	3.80	2	4	4	Yellow
T941	Forage carrot-JOD	211-8	3	10	10		2.30	32	4	4	Yellow	
T942	Rainbow	Bejo	9	7	4	1	1	2.00	43	4	4	Misc.
T943	Crème de lite	Nunhems	3	6	10	3	1	2.70	14	3.5	4	Misc.
T944	Nun 8918	Nunhems		2	12	3.5	6	3.59	3	4	4.5	Misc.
T945	(2566 × 6253) × dYellow	310-2	3	6	8.5	5.5	2.72	11	4	4	Misc.	
T946	White Satin	Bejo	4	6	4	8	1	2.83	9	4.5	4	White
T947	BCVTHT × W.Belgian	105-3	8	9	4.5	1.5	1.98	44	4	4	White	
T948	White Population	Seed Movement	7	6	3.5	4.5	2	2.50	25	4	4.5	White
T949	WWortel × BCVTHT	696-1	8	9	3.5	2.5	2.02	42	3	4	White	
T950	Seed Movement White Pop	885-1	6	5.5	8	2.5	2.32	31	1.5	3	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>												
T930	NBC YE 322	Nunhems	2	4	9.5	7.5	3.98	1	4	4.5	Yellow	
T940	Nun 8916	Nunhems		9.5	8.5	5	3.80	2	4	4	Yellow	
T944	Nun 8918	Nunhems	2	12	3.5	6	3.59	3	4	4.5	Misc.	
T934	Mello Yello	Bejo	2	10	11		3.39	4	3	4	Yellow	
T917	FCH-002	Takii	3	4.5	4.5	7.5	3.5	3.17	5	3	4	Red
T905	Deep Purple	Bejo	4	2	5.5	11	1	3.11	6	3.5	4	Purple
T929	PS 0710 0015	Seminis	3	3	7.5	8.5	1	3.07	7	4	4.5	Yellow
T927	Yellowstone	Bejo	1	2	18	2.5		2.93	8	4.5	4	Yellow
T946	White Satin	Bejo	4	6	4	8	1	2.83	9	4.5	4	White
T919	Nutri-red	Seminis	2	6	10	5		2.78	10	2	3	Red
T945	(2566 × 6253) × dYellow	310-2	3	6	8.5	5.5		2.72	11	4	4	Misc.
T910	Eregli Turkey 1999	882-1	3	6	10	3	1	2.70	12	2.5	4	Purple
T933	WAR × JOD	102-4	2	5	14	2		2.70	13	4	4	Yellow
T943	Crème de lite	Nunhems	3	6	10	3	1	2.70	14	3.5	4	Misc.
T909	Anthonina	Seminis	3	6.5	8.5	5		2.67	15	3.5	3.5	Purple
T924	(5280 × 6366) × Red	412-5	4	6	8	4	1	2.65	16	4	4	Red
T936	W.Belgian × JOD	310-1	2	6	13	2		2.65	17	4	4	Yellow
T902	FCH-001	Takii	6	4.5	4.5	8		2.63	18	4	4	Purple
T903	7262 × Turkish	415-1	4	2.5	16	1		2.59	19	4	3.5	Purple
T928	Forage carrot-JOD	102-3	2	10	7	4		2.57	20	4	3	Yellow
T935	WAR × JOD	211-4	2	8.5	11	2		2.54	21	4	4.5	Yellow
T923	432906PRC × 319858JP	412-1	5	6	8	3	1	2.52	22	3	3.5	Red
T906	6139ddP	656-1	4	5.5	13		1	2.50	23	3.5	4	Purple
T922	(LWG × PI) × (PI × 2566)	410-1	5	6.5	7.5	3	1	2.50	24	3	3	Red
T948	White Population	Seed Movement	7	6	3.5	4.5	2	2.50	25	4	4.5	White
T911	6244	664-1	5	6.5	7.5	4		2.46	26	2.5	4	Purple
T916	PI 432903	104-3	6	6	7	3.5	0.5	2.41	27	3.5	4	Red
T938	JOD × W.Belgian	886-1	2	10	11			2.39	28	4	4	Yellow
T931	Lobbericher	102-5	5	8	8.5	0.5	1	2.33	29	4	4	Yellow
T932	PS 0710 0005	Seminis	6	7.5	5.5	4		2.33	30	4	4.5	Yellow
T950	Seed Movement White Pop	885-1	6	5.5	8	2.5		2.32	31	1.5	3	White
T941	Forage carrot-JOD	211-8	3	10	10			2.30	32	4	4	Yellow
T912	NBC PU 510	Nunhems	4	11	6	2		2.26	33	3.5	4	Purple
T939	WAR × JOD	702-5	4	11	7	1		2.22	34	4	4.5	Yellow
T908	6245	665-1	9	6	4	3	1	2.17	35	4	4	Purple
T913	6306	671-1	7	7	7	2		2.17	36	3.5	4	Purple
T915	PingDing × PI326011	106-2	7	8	6	2		2.13	37	4	4	Purple
T920	432906PRC × 319858JP	001-1	9	4	8.5	1	0.5	2.13	38	2	3	Red
T901	7262 × Turkish	218-7	5.5	12	5	1		2.07	39	3.5	4	Purple
T926	JOD × W.Belgian	002-1	7	9	5.5	1.5		2.07	40	4	4	Yellow
T914	Eregli Turkey 1999	699-1	6	10	7			2.04	41	4	4	Purple
T949	WWortel × BCVTHT	696-1	8	9	3.5	2.5		2.02	42	3	4	White
T942	Rainbow	Bejo	9	7	4	1	1	2.00	43	4	4	Misc.
T947	BCVTHT × W.Belgian	105-3	8	9	4.5	1.5		1.98	44	4	4	White
T904	6139ddPYP	657-1	10	5	7	1		1.96	45	3.5	3	Purple
T937	(6366 × 2226) × 8503MjR	702-2	5	14	4			1.96	46	4	4	Yellow
T925	(LWG × PI) × (PI × 2566)	884-1	10	8	3	1.5	0.5	1.89	47	3.5	3	Red
T907	Purple Haze	Bejo	9	10	3	1		1.83	48	4	4	Purple
T918	[432906PRC × Reds] × Flavor	213-1	11	7	4	1		1.78	49	2	4	Red
T921	Kintoki	701-4	17	5	1			1.30	50	1	3	Red

<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