



United States Department of Agriculture

Research, Education, and Economics
Agricultural Research Service

March 12, 2010

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

The results of the 2010 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

An Equal Opportunity Employer

USDA California Carrot Trials 2010

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											
B001	Imperial Cuts	Integra	2	6	9	5	1	2.87		4	4
B002	SugarSnax	Nunhems		3	14	6		3.13		4	4
B003	Triton	Sakata	2	1.5	6.5	13		3.33		4	4
B004	(5280 x 6366) x 0569	904-2	1	4	17	5.5	1	3.05	17	4	4
B005	(6253 x 2144) x 0575	910-3		5.5	9.5	12	1	3.30	11	4	4
B006	(2126 x 6253) x 7322	491-4	5	14	8.5	2		2.26	62	4	4
B007	(2144 x 2126) x 0570	905-4	4	7	12	5.5	1	2.74	29	4	4
B008	(5280 x 6366) x 0567	902-2		12	11	6.5		2.83	26	4	4
B009	PS 1603	Seminis		1	7.5	15	5.5	3.86	2	4	4
B010	(6366 x 2226) x 9253	968-4	5	14	11			2.19	68	4	4
B011	(5280 x 6366) x 0571	906-2	4	4.5	11	9.5		2.90	23	4	4
B012	(2144 x 2126) x 0576	911-4	4	17	7	1		2.17	71	4	4
B013	FCR-9492	Sakata	2	2	4.5	9	12	3.90	1	4	4
B014	(5280 x 6366) x 0575	910-2	5	11	7.5	4.5	1	2.50	49	4	4
B015	HoneySnax	Nunhems	2	4	13	10		3.07	16	4	4
B016	(2144 x 2126) x 0577	912-4	3	9	13	4.5		2.64	40	4	4
B017	KXPC-505	Integra	3	11	8.5	7		2.67	36	4	4
B018	(6253 x 2144) x 0577	912-3	2	7	11	7.5	1.5	2.98	19	4	4
B019	(2126 x 7808) x 7322	168-6	10	10	9			1.97	86	4	4
B020	FCR-8424	Sakata	2	2	6	17	2	3.52	4	4	4
B021	(5280 x 6366) x 0573	908-2	7	15	6.5	1		2.05	85	4	4
B022	Triton	Sakata	4	15	8	1.5	0.5	2.29	60	4	4
B023	(2144 x 2126) x 0569	904-4	12	10	4.5	2.5		1.91	89	3	4
B024	CX396	Vilmorin	4	14	9.5	2		2.33	57	4	4
B025	(6366 x 2226) x 7553	965-7	3	9	11	4	2	2.76	28	4	4
B026	(5280 x 6366) x 7254	967-4	16	12	1.5			1.50	96	4	4
B027	(6253 x 2144) x 0567	902-3	2	12	11	4	1	2.67	37	2.5	4
B028	(6253 x 2144) x 0570	905-3	6	4	16	3.5		2.57	46	4	4
B029	0710 1640	Seminis	1	4	8	15	1	3.38	6	4	4
B030	(5280 x 6366) x 9253	968-2	11	18	0.5			1.64	92	4	4
B031	(2144 x 2126) x 0575	910-4	2	15	11	2		2.43	53	3	4
B032	NUN 8585	Nunhems		5	12	8	4	3.38	7	4	4
B033	(5280 x 6366) x 0570	905-2	8	14	4	2	1	2.10	81	4	4
B034	(6366 x 2226) x 9784	805-4	7	12	9	1		2.14	73	4	4
B035	(5280 x 6366) x 0568	903-2	6	18	5			1.97	87	4	4
B036	(6253 x 2144) x 9784	805-3	2	6.5	15	5.5		2.83	27	3	4
B037	Imperial Cuts	Integra		3.5	13	12	1.5	3.38	8	4	4
B038	(5280 x 6366) x 0566	901-2	8	12	7.5	2		2.12	77	4	4
B039	(6253 x 2144) x 0573	908-3	3	8	13	5		2.69	33	4	4
B040	NUN 85900	Nunhems	6	6	11	6		2.59	45	4	4
B041	(2126 x 7241) x 7551	759-3	7	12	8.5	2		2.19	69	4	4
B042	Tastypeel	Seminis	6	7	10	6		2.55	47	4	4
B043	(6253 x 2144) x 0571	906-3	6	7.5	7.5	8		2.60	44	4	4
B044	(6253 x 2144) x 0576	911-3	4	8	10	7		2.69	34	4	4
B045	CX371	Vilmorin	3	12	12	3		2.50	50	4	4
B046	(2144 x 7241) x 6333	642-4	5	16	7	1		2.14	74	3	4
B047	(2144 x 2126) x 0571	906-4	1	9	12	5	2	2.93	22	3.5	4
B048	KXPC-165	Integra	3	7	14	5		2.72	32	4	4
B049	(5280 x 6366) x 7553	965-5	6	13	10			2.14	75	4	4
B050	UpperCut	Nunhems	3	10	11	5.5		2.64	41	4	4
B051	(5280 x 6366) x 0577	912-2	7	7.5	11	3.5		2.38	55	2	4

USDA California Carrot Trials 2010

Entry	Pedigree or Name	Source	Number of Judges Placing in Class					Mean ¹	Rank	Flavor ²	
			1	2	3	4	5			H	S
B052	SugarSnax	Nunhems	7	12	8.5	2	2.19	70	4	4	
B053	(6253 × 2144) × 0569	904-3	2	9	13	5.5	2.74	30	4	4	
B054	(6333 x 6366) × 9253	968-3	12	9	8		1.86	90	4	4	
B055	FCR-9496	Sakata	3	6	5.5	12	2.5	3.17	13	3	4
B056	(5280 × 6366) × Long ²	220-4	3	8	15	2.5	1	2.67	38	4	4
B057	TopCut	Nunhems	2	4	8.5	12	2.5	3.31	10	4	4
B058	(6366 × 2226) × 9791	891-4	7	8	12	2		2.31	59	2.5	4
B059	Propeel	Seminis	1	4	7.5	10	6.5	3.59	3	4	4
B060	(5280 × 7808) × 9793	893-2	11	7	8.5	1.5	1	2.12	78	4	4
B061	CX518	Vilmorin	4	12	11	2.5		2.40	54	4	4
B062	(5280 × 7808) × 9781	802-2	7	11	10	1.5		2.21	67	4	4
B063	(5280 x 6366) × 0572	907-2	5	13	8.5	2.5		2.29	61	4	4
B064	(2302 × 6366) × 7322	168-5	8	11	9.5	1		2.12	79	4	4
B065	(6253 × 2144) × 0572	907-3		11	11	6	1	2.90	24	3	4
B066	(5280 × 7808) × 9791	891-2	4	9	14	2		2.48	51	4	4
B067	KXPC-162	Integra	2	5	9	13		3.14	15	4	4
B068	(6366 × 2226) × 9793	893-4	7	2.5	13	6.5		2.66	39	4	4
B069	(2144 × 2126) × 0567	902-4	2	11	13	2.5	1	2.64	42	4	4
B070	(2144 × 2126) × 0568	903-4	2	8.5	11	6.5	1	2.86	25	4	4
B071	FCR-8422	Sakata		11	5	11	2.5	3.16	14	3	4
B072	(2144 × 2126) × 0572	907-4	5	7	14	3.5		2.53	48	4	4
B073	Ibiza	Bejo	5	6.5	13	4	1	2.64	43	4	4
B074	(6253 × 2144) × 0566	901-3	10	4.5	12	2.5		2.24	63	3	4
B075	(6253 × 2144) × 0574	909-3	4	12	9	4		2.45	52	4	4
B076	0710 1706	Seminis	3	3.5	7.5	9.5	5.5	3.38	9	4	4
B077	(2144 × 2126) × 0574	909-4	2	10	12	4.5	1	2.74	31	4	4
B078	CX562	Vilmorin	7	12	11			2.12	80	4	4
B079	(6253 × 2144) × 9789	810-3	2	4.5	10	11	2	3.21	12	4	4
B080	KXPC-222	Integra	3		8.5	15	3	3.50	5	4	4
B081	(6366 × 2205) × 7551	759-6	5	15	6.5	2.5		2.22	65	4	4
B082	NUN 8584	Nunhems	7	12	8	2		2.17	72	4	4
B083	(6253 × 2144) × 0568	903-3	9	8	12			2.10	82	4	4
B084	KXPC-060	Integra	1	9.5	8	11		2.97	20	4	4
B085	(2144 × 2126) × 0566	901-4	8	10	10	1		2.14	76	4	4
B086	[(2144 × 2126) × 6333 ²] × 9788	961-2	8	11	10			2.07	83	4	4
B087	CX366	Vilmorin	1	9	17	2		2.69	35	4	4
B088	(6366 × 2226) × 6333	964-5	9	15	5			1.86	91	4	4
B089	PS 1441	Seminis	1	7.5	13	8		2.95	21	4	4
B090	(6333 x 6366) × 6333	964-4	5	13	8	3.5		2.34	56	4	4
B091	(5280 x 6366) × 0576	911-2	8	13	6	2		2.07	84	4	4
B092	FCR-8421	Sakata	2	6.5	9.5	10	1	3.05	18	4	4
B093	(6253 × 2144) × 9782	803-3	4	13	12	1		2.33	58	4	4
B094	(5280 x 6366) × 7553	965-5	15	13	2			1.57	93	4	4
B095	(5280 x 6366) × 6333	964-3	15	14	1			1.53	95	4	4
B096	(6333 x 6366) × 7553	965-6	15	13	0.5	1		1.57	94	4	4
B097	(5280 x 6366) × 0574	909-2	6	11	11	1		2.24	64	4	4
B098	(2144 × 2126) × 0573	908-4	5	14	9.5	1		2.22	66	4	4
B099	(6366 × 5238) × 7553	753-5	9	13	6	1		1.97	88	4	4

¹ Mean based on average of 29 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

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Entry	Pedigree or Name	Source	Number of Judges Placing in Class							Flavor ²	
			1	2	3	4	5	Mean ¹	Rank	H	S
Entries Listed by Rank											
B013	FCR-9492	Sakata	2	2	4.5	9	12	3.90	1	4	4
B009	PS 1603	Seminis		1	7.5	15	5.5	3.86	2	4	4
B059	Propeel	Seminis	1	4	7.5	10	6.5	3.59	3	4	4
B020	FCR-8424	Sakata	2	2	6	17	2	3.52	4	4	4
B080	KXPC-222	Integra	3		8.5	15	3	3.50	5	4	4
B029	0710 1640	Seminis	1	4	8	15	1	3.38	6	4	4
B032	NUN 8585	Nunhems		5	12	8	4	3.38	7	4	4
B037	Imperial Cuts	Integra		3.5	13	12	1.5	3.38	8	4	4
B076	0710 1706	Seminis	3	3.5	7.5	9.5	5.5	3.38	9	4	4
B057	TopCut	Nunhems	2	4	8.5	12	2.5	3.31	10	4	4
B005	(6253 × 2144) × 0575	910-3		5.5	9.5	12	1	3.30	11	4	4
B079	(6253 × 2144) × 9789	810-3	2	4.5	10	11	2	3.21	12	4	4
B055	FCR-9496	Sakata	3	6	5.5	12	2.5	3.17	13	3	4
B071	FCR-8422	Sakata		11	5	11	2.5	3.16	14	3	4
B067	KXPC-162	Integra	2	5	9	13		3.14	15	4	4
B015	HoneySnax	Nunhems	2	4	13	10		3.07	16	4	4
B004	(5280 × 6366) × 0569	904-2	1	4	17	5.5	1	3.05	17	4	4
B092	FCR-8421	Sakata	2	6.5	9.5	10	1	3.05	18	4	4
B018	(6253 × 2144) × 0577	912-3	2	7	11	7.5	1.5	2.98	19	4	4
B084	KXPC-060	Integra	1	9.5	8	11		2.97	20	4	4
B089	PS 1441	Seminis	1	7.5	13	8		2.95	21	4	4
B047	(2144 × 2126) × 0571	906-4	1	9	12	5	2	2.93	22	3.5	4
B011	(5280 × 6366) × 0571	906-2	4	4.5	11	9.5		2.90	23	4	4
B065	(6253 × 2144) × 0572	907-3		11	11	6	1	2.90	24	3	4
B070	(2144 × 2126) × 0568	903-4	2	8.5	11	6.5	1	2.86	25	4	4
B008	(5280 × 6366) × 0567	902-2		12	11	6.5		2.83	26	4	4
B036	(6253 × 2144) × 9784	805-3	2	6.5	15	5.5		2.83	27	3	4
B025	(6366 × 2226) × 7553	965-7	3	9	11	4	2	2.76	28	4	4
B007	(2144 × 2126) × 0570	905-4	4	7	12	5.5	1	2.74	29	4	4
B053	(6253 × 2144) × 0569	904-3	2	9	13	5.5		2.74	30	4	4
B077	(2144 × 2126) × 0574	909-4	2	10	12	4.5	1	2.74	31	4	4
B048	KXPC-165	Integra	3	7	14	5		2.72	32	4	4
B039	(6253 × 2144) × 0573	908-3	3	8	13	5		2.69	33	4	4
B044	(6253 × 2144) × 0576	911-3	4	8	10	7		2.69	34	4	4
B087	CX366	Vilmorin	1	9	17	2		2.69	35	4	4
B017	KXPC-505	Integra	3	11	8.5	7		2.67	36	4	4
B027	(6253 × 2144) × 0567	902-3	2	12	11	4	1	2.67	37	2.5	4
B056	(5280 × 6366) × Long ²	220-4	3	8	15	2.5	1	2.67	38	4	4
B068	(6366 × 2226) × 9793	893-4	7	2.5	13	6.5		2.66	39	4	4
B016	(2144 × 2126) × 0577	912-4	3	9	13	4.5		2.64	40	4	4
B050	UpperCut	Nunhems	3	10	11	5.5		2.64	41	4	4
B069	(2144 × 2126) × 0567	902-4	2	11	13	2.5	1	2.64	42	4	4
B073	Ibiza	Bejo	5	6.5	13	4	1	2.64	43	4	4
B043	(6253 × 2144) × 0571	906-3	6	7.5	7.5	8		2.60	44	4	4
B040	NUN 85900	Nunhems	6	6	11	6		2.59	45	4	4
B028	(6253 × 2144) × 0570	905-3	6	4	16	3.5		2.57	46	4	4
B042	Tastypeel	Seminis	6	7	10	6		2.55	47	4	4
B072	(2144 × 2126) × 0572	907-4	5	7	14	3.5		2.53	48	4	4
B014	(5280 × 6366) × 0575	910-2	5	11	7.5	4.5	1	2.50	49	4	4
B045	CX371	Vilmorin	3	12	12	3		2.50	50	4	4
B066	(5280 × 7808) × 9791	891-2	4	9	14	2		2.48	51	4	4

USDA California Carrot Trials 2010

Entry	Pedigree or Name	Source	Number of Judges Placing in Class					Mean ¹	Rank	Flavor ²	
			1	2	3	4	5			H	S
B075	(6253 × 2144) × 0574	909-3	4	12	9	4	2.45	52	4	4	
B031	(2144 × 2126) × 0575	910-4	2	15	11	2	2.43	53	3	4	
B061	CX518	Vilmorin	4	12	11	2.5	2.40	54	4	4	
B051	(5280 x 6366) × 0577	912-2	7	7.5	11	3.5	2.38	55	2	4	
B090	(6333 x 6366) × 6333	964-4	5	13	8	3.5	2.34	56	4	4	
B024	CX396	Vilmorin	4	14	9.5	2	2.33	57	4	4	
B093	(6253 × 2144) × 9782	803-3	4	13	12	1	2.33	58	4	4	
B058	(6366 × 2226) × 9791	891-4	7	8	12	2	2.31	59	2.5	4	
B022	Triton	Sakata	4	15	8	1.5	0.5	2.29	60	4	4
B063	(5280 x 6366) × 0572	907-2	5	13	8.5	2.5	2.29	61	4	4	
B006	(2126 × 6253) × 7322	491-4	5	14	8.5	2	2.26	62	4	4	
B074	(6253 × 2144) × 0566	901-3	10	4.5	12	2.5	2.24	63	3	4	
B097	(5280 x 6366) × 0574	909-2	6	11	11	1	2.24	64	4	4	
B081	(6366 × 2205) × 7551	759-6	5	15	6.5	2.5	2.22	65	4	4	
B098	(2144 × 2126) × 0573	908-4	5	14	9.5	1	2.22	66	4	4	
B062	(5280 × 7808) × 9781	802-2	7	11	10	1.5	2.21	67	4	4	
B010	(6366 × 2226) × 9253	968-4	5	14	11		2.19	68	4	4	
B041	(2126 × 7241) × 7551	759-3	7	12	8.5	2	2.19	69	4	4	
B052	SugarSnax	Nunhems	7	12	8.5	2	2.19	70	4	4	
B012	(2144 × 2126) × 0576	911-4	4	17	7	1	2.17	71	4	4	
B082	NUN 8584	Nunhems	7	12	8	2	2.17	72	4	4	
B034	(6366 × 2226) × 9784	805-4	7	12	9	1	2.14	73	4	4	
B046	(2144 × 7241) × 6333	642-4	5	16	7	1	2.14	74	3	4	
B049	(5280 x 6366) × 7553	965-5	6	13	10		2.14	75	4	4	
B085	(2144 × 2126) × 0566	901-4	8	10	10	1	2.14	76	4	4	
B038	(5280 x 6366) × 0566	901-2	8	12	7.5	2	2.12	77	4	4	
B060	(5280 × 7808) × 9793	893-2	11	7	8.5	1.5	1	2.12	78	4	4
B064	(2302 × 6366) × 7322	168-5	8	11	9.5	1	2.12	79	4	4	
B078	CX562	Vilmorin	7	12	11		2.12	80	4	4	
B033	(5280 x 6366) × 0570	905-2	8	14	4	2	1	2.10	81	4	4
B083	(6253 × 2144) × 0568	903-3	9	8	12		2.10	82	4	4	
B086	[(2144 × 2126) × 6333 ²] × 9788	961-2	8	11	10		2.07	83	4	4	
B091	(5280 x 6366) × 0576	911-2	8	13	6	2	2.07	84	4	4	
B021	(5280 x 6366) × 0573	908-2	7	15	6.5	1	2.05	85	4	4	
B019	(2126 × 7808) × 7322	168-6	10	10	9		1.97	86	4	4	
B035	(5280 x 6366) × 0568	903-2	6	18	5		1.97	87	4	4	
B099	(6366 × 5238) × 7553	753-5	9	13	6	1	1.97	88	4	4	
B023	(2144 × 2126) × 0569	904-4	12	10	4.5	2.5	1.91	89	3	4	
B054	(6333 x 6366) × 9253	968-3	12	9	8		1.86	90	4	4	
B088	(6366 × 2226) × 6333	964-5	9	15	5		1.86	91	4	4	
B030	(5280 x 6366) × 9253	968-2	11	18	0.5		1.64	92	4	4	
B094	(5280 x 6366) × 7553	965-5	15	13	2		1.57	93	4	4	
B096	(6333 x 6366) × 7553	965-6	15	13	0.5	1	1.57	94	4	4	
B095	(5280 x 6366) × 6333	964-3	15	14	1		1.53	95	4	4	
B026	(5280 x 6366) × 7254	967-4	16	12	1.5		1.50	96	4	4	
B001	Imperial Cuts	Integra	2	6	9	5	1	2.87		4	4
B002	SugarSnax	Nunhems		3	14	6		3.13		4	4
B003	Triton	Sakata	2	1.5	6.5	13		3.33		4	4

¹ Mean based on average of 29 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					Flavor ²		
			1	2	3	4	5	Mean ¹	Rank	H
Entries Listed by Field Number										
C001	Olympus	Sakata		4	9.5	6.5		3.13		
C002	Choctaw	Nunhems		3	9.5	6.5	1	3.28		
C003	Legend	Seminis	1	7	8.5	3.5		2.73		
C004	(6366 × 2226) × 5280	154-7		12	10	3		2.64	23	
C005	(6366 × 2226) × 7322	296-6	6	8.5	9.5	1		2.22	42	
C006	0710 2358	Seminis	5	6	11	3.5		2.50	26	
C007	(7241 × 2144) × 7403	028-4	6	12	7.5			2.06	48	
C008	(6253 × 2144) × 9788	809-3	11	11	3			1.68	57	
C009	CX480	Vilmorin	2.5	8.5	8	6		2.70	21	
C010	(6253 × 2144) × 6333	023-11	5	11	6.5	2.5		2.26	40	
C011	FCR-4856	Sakata	6	4.5	11	4		2.50	27	
C012	(5280 × 7808) × 8503MjR	246-6	2	5	7	11		3.08	5	
C013	NBC M984	Nunhems	8.5	8.5	6	2		2.06	49	
C014	(2144 × 5238) × 8233	493-4	4.5	9.5	7	3	1	2.46	32	
C015	Legend	Seminis	11	5.5	4.5	4		2.06	50	
C016	(6253 × 2144) × 9304	963-4	3	13	6.5	3		2.38	35	
C017	0710 2312	Seminis	3	4.5	13	3.5	1	2.80	14	
C018	(2566 × 5238C) × 2205	012-6	5	7.5	9	3.5		2.44	33	
C019	Olympus	Sakata	3.5	6.5	9	5.5	0.5	2.72	18	
C020	(6366 × 2226) × 7403	169-2	12	8.5	4	0.5		1.72	56	
C021	NUN 85090	Nunhems	6	13	5	1		2.04	51	
C022	(6366 × 5238) × 7254	752-6	3	7.5	8	6.5		2.72	19	
C023	(5280 × 6366) × 8233	031-11	1	2.5	12	9	1	3.26	3	
C024	[(6366×2226) × SCMjR] × 1138	751-2	3	10	10	2		2.44	34	
C025	(5280 × 7808) × 3035	490-4	4	8.5	5	6.5	1	2.68	22	
C026	(7241 × 2126) × 0186	135-2	7	7.5	8.5	2		2.22	43	
C027	(6253 × 5238) × 1138	751-3	6	6	7.5	5.5		2.50	28	
C028	NUN 8511	Nunhems	2	7	11	5		2.76	16	
C029	(5280 × 7808) × 2126	749-3	7	7.5	10	0.5		2.16	44	
C030	FCR-7319	Sakata	5	13	6.5	1		2.14	46	
C031	(6366 × 2226) × 9788	809-4	6	14	4.5	1		2.02	52	
C032	KXPC-020	Integra	1	15	8.5	0.5		2.34	37	
C033	(2144 × 2126) × 9304	963-2	2.5	4.5	12	4	2	2.94	9	
C034	0710 2328	Seminis	5	9	8.5	2.5		2.34	38	
C035	(5280 × 6366) × 7808	969-5	2	16	5	2		2.28	39	
C036	FCR-8430	Sakata		2	11	12	1	3.46	2	
C037	(5280 × 6366) × 9304	963-3	2	8.5	7.5	7		2.78	15	
C038	NUN 85100	Nunhems	3	6	11	4	1	2.76	17	
C039	(6366 × 2226) × 7808	969-6	1	7.5	9.5	6	1	2.94	10	
C040	(2144 × 8503) × 8524	176-7	9	2.5	7.5	4	2	2.50	29	
C041	Maverick	Nunhems	3	4	6	10	2	3.16	4	
C042	(6366 × 8378) × 1138	392-3	3	4.5	11	5.5	1.5	2.92	11	
C043	(6366 × 2226) × 2144	011-9	3	11	10	1		2.36	36	
C044	FCR-8427	Sakata	6	2	6.5	7.5	3	2.98	8	
C045	(6366 × 2226) × 8524MjR	176-6	2	5	8	9	1	3.08	6	
C046	Ibiza	Bejo	7	9.5	7	0.5	1	2.16	45	
C047	(6333 × 8483MjR) × 2126	145-3	3	2	12	6	2	3.08	7	
C048	CX171	Vilmorin	3	10	8	3	1	2.56	24	
C049	(6333 × 8233) × 6526	162-5	3	8	13	1		2.48	31	
C050	(5280 × 5238) × 7241	027-5	7	15	3.5			1.86	55	
C051	0710 2289	Seminis	2	9	9	4	1	2.72	20	
C052	(5280 × 7808) × 1111	225-7	4	4	8	9		2.88	12	
C053	KXPC-168	Integra	7	8.5	8.5	1		2.14	47	
C054	Choctaw	Nunhems	5	5	12	3.5		2.54	25	

Cello Trial

USDA California Carrot Trials 2010

Entry	Pedigree or Name	Source	Number of Judges Placing in Class					Mean ¹	Rank	Flavor ²	
			1	2	3	4	5			H	S
C055	(5280 x 6366) x 7254	752-3		3.5	4	13	5	3.76	1		
C056	FCR-8428	Sakata	1	8	10	6		2.84	13		
C057	(6333 x 6366) x 8233	297-5	1	14	7.5	3		2.50	30		
C058	NBC M919	Nunhems	8	11	5	1		1.96	53		
C059	(7241 x 2126) x 8524MjR	248-5	5	10	8.5	1.5		2.26	41		
C060	(6366 x 2226) x 9304	963-6	9	10	5		1	1.96	54		

¹ Mean based on average of 25 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
Entries Listed by Rank											
C055	(5280 x 6366) x 7254	752-3		3.5	4	13	5	3.76	1		
C036	FCR-8430	Sakata		2	11	12	1	3.46	2		
C023	(5280 x 6366) x 8233	031-11	1	2.5	12	9	1	3.26	3		
C041	Maverick	Nunhems	3	4	6	10	2	3.16	4		
C012	(5280 x 7808) x 8503MjR	246-6	2	5	7	11		3.08	5		
C045	(6366 x 2226) x 8524MjR	176-6	2	5	8	9	1	3.08	6		
C047	(6333 x 8483MjR) x 2126	145-3	3	2	12	6	2	3.08	7		
C044	FCR-8427	Sakata	6	2	6.5	7.5	3	2.98	8		
C033	(2144 x 2126) x 9304	963-2	2.5	4.5	12	4	2	2.94	9		
C039	(6366 x 2226) x 7808	969-6	1	7.5	9.5	6	1	2.94	10		
C042	(6366 x 8378) x 1138	392-3	3	4.5	11	5.5	1.5	2.92	11		
C052	(5280 x 7808) x 1111	225-7	4	4	8	9		2.88	12		
C056	FCR-8428	Sakata	1	8	10	6		2.84	13		
C017	0710 2312	Seminis	3	4.5	13	3.5	1	2.80	14		
C037	(5280 x 6366) x 9304	963-3	2	8.5	7.5	7		2.78	15		
C028	NUN 8511	Nunhems	2	7	11	5		2.76	16		
C038	NUN 85100	Nunhems	3	6	11	4	1	2.76	17		
C019	Olympus	Sakata	3.5	6.5	9	5.5	0.5	2.72	18		
C022	(6366 x 5238) x 7254	752-6	3	7.5	8	6.5		2.72	19		
C051	0710 2289	Seminis	2	9	9	4	1	2.72	20		
C009	CX480	Vilmorin	2.5	8.5	8	6		2.70	21		
C025	(5280 x 7808) x 3035	490-4	4	8.5	5	6.5	1	2.68	22		
C004	(6366 x 2226) x 5280	154-7		12	10	3		2.64	23		
C048	CX171	Vilmorin	3	10	8	3	1	2.56	24		
C054	Choctaw	Nunhems	5	5	12	3.5		2.54	25		
C006	0710 2358	Seminis	5	6	11	3.5		2.50	26		
C011	FCR-4856	Sakata	6	4.5	11	4		2.50	27		
C027	(6253 x 5238) x 1138	751-3	6	6	7.5	5.5		2.50	28		
C040	(2144 x 8503) x 8524	176-7	9	2.5	7.5	4	2	2.50	29		
C057	(6333 x 6366) x 8233	297-5	1	14	7.5	3		2.50	30		
C049	(6333 x 8233) x 6526	162-5	3	8	13	1		2.48	31		
C014	(2144 x 5238) x 8233	493-4	4.5	9.5	7	3	1	2.46	32		
C018	(2566 x 5238C) x 2205	012-6	5	7.5	9	3.5		2.44	33		
C024	[(6366x2226) x SCMjR] x 1138	751-2	3	10	10	2		2.44	34		
C016	(6253 x 2144) x 9304	963-4	3	13	6.5	3		2.38	35		
C043	(6366 x 2226) x 2144	011-9	3	11	10	1		2.36	36		
C032	KXPC-020	Integra	1	15	8.5	0.5		2.34	37		
C034	0710 2328	Seminis	5	9	8.5	2.5		2.34	38		
C035	(5280 x 6366) x 7808	969-5	2	16	5	2		2.28	39		
C010	(6253 x 2144) x 6333	023-11	5	11	6.5	2.5		2.26	40		
C059	(7241 x 2126) x 8524MjR	248-5	5	10	8.5	1.5		2.26	41		
C005	(6366 x 2226) x 7322	296-6	6	8.5	9.5	1		2.22	42		
C026	(7241 x 2126) x 0186	135-2	7	7.5	8.5	2		2.22	43		
C029	(5280 x 7808) x 2126	749-3	7	7.5	10	0.5		2.16	44		
C046	Ibiza	Bejo	7	9.5	7	0.5	1	2.16	45		
C030	FCR-7319	Sakata	5	13	6.5	1		2.14	46		
C053	KXPC-168	Integra	7	8.5	8.5	1		2.14	47		
C007	(7241 x 2144) x 7403	028-4	6	12	7.5			2.06	48		
C013	NBC M984	Nunhems	8.5	8.5	6	2		2.06	49		
C015	Legend	Seminis	11	5.5	4.5	4		2.06	50		
C021	NUN 85090	Nunhems	6	13	5	1		2.04	51		
C031	(6366 x 2226) x 9788	809-4	6	14	4.5	1		2.02	52		
C058	NBC M919	Nunhems	8	11	5	1		1.96	53		
C060	(6366 x 2226) x 9304	963-6	9	10	5		1	1.96	54		

Entry	Pedigree or Name	Source	Number of Judges Placing in Class					Mean ¹	Rank	Flavor ²	
			1	2	3	4	5			H	S
C050	(5280 × 5238) × 7241	027-5	7	15	3.5			1.86	55		
C020	(6366 × 2226) × 7403	169-2	12	8.5	4	0.5		1.72	56		
C008	(6253 × 2144) × 9788	809-3	11	11	3			1.68	57		
C001	Olympus	Sakata		4	9.5	6.5		3.13			
C002	Choctaw	Nunhems		3	9.5	6.5	1	3.28			
C003	Legend	Seminis	1	7	8.5	3.5		2.73			

¹ Mean based on average of 25 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							Flavor ²		
			1	2	3	4	5	Mean ¹	Rank	H	S	Color
Entries Listed by Field Number												
T001	6139ddP	656-1	6	5	2.5	4.5	1	2.45	16	3	2	Purple
T002	(7262 × 6308) × 1129 ²	953-3	12	3.5	2.5	1		1.61	32	3	3	Purple
T003	NUN 89680	Nunhems	3.5	2.5	5	7	1	2.97	5	2	3	Purple
T004	(7262 × 6346) × 1129 ²	953-5	14	5				1.26	39	3	3	Purple
T005	(7262 × 6345) × 1129 ²	953-4	12	4	2	1		1.58	34	3	3	Purple
T006	Purple Haze	Bejo	4.5	4.5	7	2		2.36	18	3	2	Purple
T007	Eregli Turkey 1999	882-1	4	4	5.5	3.5	2	2.76	8	4	2	Purple
T008	Deep Purple	Bejo	3.5	8.5	5	2		2.29	20	4	4	Purple
T009	8255A	847-2	5	10	4			1.95	26	4	3.5	Purple
T010	(FN2-9 × 9304) × P	83700 [⊗]	17	1.5	1			1.18	40	2	3	Purple
T011	6244	664-1	7	3	8			2.06	25	4	3.5	Purple
T012	(7262 × 6245 ²) × [SCP × 5280]	944-2	11	5	2.5	1		1.68	31	3.5	2	Purple
T013	7262 × 6139ddPYP	657-2	9	4.5	5.5			1.82	27	2.5	3	Purple
T014	SCRed × (Red × Flavor)	83523×524	2	7	8	1		2.44	17	3	3.5	Red
T015	(5280 × 6366) × R	412-5	4	3	3	4.5	4.5	3.13	3	2	3	Red
T016	6637	653-1	1.5	8	4.5	5		2.68	11	2.5	3	Red
T017	432906PRC × 319858JP	412-1	5	5	7	2		2.32	19	4	3	Red
T018	PI × (PI × 2566)	410-1	5.5	6.5	6	1		2.13	24	3	3	Red
T019	SC Red × Flavor	83530M	9	7	2	1		1.74	29	2	3	Red
T020	8201	845-1	11	4.5	2.5	1.5		1.74	30	3.5	3	Red
T021	Yellowstone	Bejo	5	5.5	7	1.5		2.26	23	2	3	Yellow
T022	0710 0015	Seminis	1	6.5	8	3.5		2.74	9	2.5	3	Yellow
T023	YellowBunch	Nunhems	1	4.5	4.5	9		3.13	4	4	3	Yellow
T024	(2566 × 6253) × dY	310-2	1	8	9.5	0.5		2.50	15	3	3	Yellow
T025	NBC YE 3592	Nunhems	2	5	5	7		2.89	6	3	3	Yellow
T026	WAR × JOD	102-4	3	7.5	8.5			2.29	21	2.5	3	Yellow
T027	YellowPak	Nunhems	1	5.5	13			2.61	12	3	3.5	Yellow
T028	8519	959-1	13	4.5	1.5			1.39	37	3	3	Yellow
T029	Mello Yello	Bejo	1	3	8.5	2.5	3	3.19	2	4	3.5	Yellow
T030	[(2144 × 2126) × 6333 ²] × 8519	959-5	10	4	4.5	0.5		1.76	28	3.5	3.5	Yellow
T031	Sherbert	Nunhems	6	4	6.5	2.5		2.29	22	4	3	Yellow
T032	[(6253 × 2144) × 9789] × 8519	959-2	12	4.5	2.5			1.50	35	3	3	Yellow
T033	0710 0041	Seminis	3	6	6	4		2.58	13	3.5	3	Yellow
T034	9244A	939-2	10	6.5	2.5			1.61	33	3.5	4	Yellow
T035	NUN 89180	Nunhems		2	6	7.5	3.5	3.66	1	3	4	Yellow
T036	9244	939-1	12	6	1			1.42	36	2.5	3	Yellow
T037	White Pop.	Sd. Mvmnt.	4	5	6	3	1	2.58	14	2	2	White
T038	(BCVTHT × WWortel) × Flavor	84124 [⊗]	15	1	2.5	0.5		1.39	38	2	2	White
T039	White Satin	Bejo	1.5	8.5	5	2	2	2.71	10	4	3.5	White
T040	Seed Movement White Pop	885-1	4	3	6	3	3	2.89	7	3	2.5	White

¹ Mean based on average of 19 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							Flavor ²		
			1	2	3	4	5	Mean ¹	Rank	H	S	Color
Entries Listed by Rank												
T035	NUN 89180	Nunhems		2	6	7.5	3.5	3.66	1	3	4	Yellow
T029	Mello Yello	Bejo	1	3	8.5	2.5	3	3.19	2	4	3.5	Yellow
T015	(5280 × 6366) × R	412-5	4	3	3	4.5	4.5	3.13	3	2	3	Red
T023	YellowBunch	Nunhems	1	4.5	4.5	9		3.13	4	4	3	Yellow
T003	NUN 89680	Nunhems	3.5	2.5	5	7	1	2.97	5	2	3	Purple
T025	NBC YE 3592	Nunhems	2	5	5	7		2.89	6	3	3	Yellow
T040	Seed Movement White Pop	885-1	4	3	6	3	3	2.89	7	3	2.5	White
T007	Eregli Turkey 1999	882-1	4	4	5.5	3.5	2	2.76	8	4	2	Purple
T022	0710 0015	Seminis	1	6.5	8	3.5		2.74	9	2.5	3	Yellow
T039	White Satin	Bejo	1.5	8.5	5	2	2	2.71	10	4	3.5	White
T016	6637	653-1	1.5	8	4.5	5		2.68	11	2.5	3	Red
T027	YellowPak	Nunhems	1	5.5	13			2.61	12	3	3.5	Yellow
T033	0710 0041	Seminis	3	6	6	4		2.58	13	3.5	3	Yellow
T037	White Pop.	Sd. Mvmnt.	4	5	6	3	1	2.58	14	2	2	White
T024	(2566 × 6253) × dY	310-2	1	8	9.5	0.5		2.50	15	3	3	Yellow
T001	6139ddP	656-1	6	5	2.5	4.5	1	2.45	16	3	2	Purple
T014	SCRed × (Red × Flavor)	83523×524	2	7	8	1		2.44	17	3	3.5	Red
T006	Purple Haze	Bejo	4.5	4.5	7	2		2.36	18	3	2	Purple
T017	432906PRC × 319858JP	412-1	5	5	7	2		2.32	19	4	3	Red
T008	Deep Purple	Bejo	3.5	8.5	5	2		2.29	20	4	4	Purple
T026	WAR × JOD	102-4	3	7.5	8.5			2.29	21	2.5	3	Yellow
T031	Sherbert	Nunhems	6	4	6.5	2.5		2.29	22	4	3	Yellow
T021	Yellowstone	Bejo	5	5.5	7	1.5		2.26	23	2	3	Yellow
T018	PI × (PI × 2566)	410-1	5.5	6.5	6	1		2.13	24	3	3	Red
T011	6244	664-1	7	3	8			2.06	25	4	3.5	Purple
T009	8255A	847-2	5	10	4			1.95	26	4	3.5	Purple
T013	7262 × 6139ddPYP	657-2	9	4.5	5.5			1.82	27	2.5	3	Purple
T030	[(2144 × 2126) × 6333 ²] × 8519	959-5	10	4	4.5	0.5		1.76	28	3.5	3.5	Yellow
T019	SC Red × Flavor	83530M	9	7	2	1		1.74	29	2	3	Red
T020	8201	845-1	11	4.5	2.5	1.5		1.74	30	3.5	3	Red
T012	(7262 × 6245 ²) × [SCP × 5280]	944-2	11	5	2.5	1		1.68	31	3.5	2	Purple
T002	(7262 × 6308) × 1129 ²	953-3	12	3.5	2.5	1		1.61	32	3	3	Purple
T034	9244A	939-2	10	6.5	2.5			1.61	33	3.5	4	Yellow
T005	(7262 × 6345) × 1129 ²	953-4	12	4	2	1		1.58	34	3	3	Purple
T032	[(6253 × 2144) × 9789] × 8519	959-2	12	4.5	2.5			1.50	35	3	3	Yellow
T036	9244	939-1	12	6	1			1.42	36	2.5	3	Yellow
T028	8519	959-1	13	4.5	1.5			1.39	37	3	3	Yellow
T038	(BCVTHT × WWortel) × Flavor	84124⊗	15	1	2.5	0.5		1.39	38	2	2	White
T004	(7262 × 6346) × 1129 ²	953-5	14	5				1.26	39	3	3	Purple
T010	(FN2-9 × 9304) × P	83700⊗	17	1.5	1			1.18	40	2	3	Purple

¹ Mean based on average of 19 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