

TABLE # 1

Northern Colorado Onion Variety Trials

Colorado State University Extension in Adams County November 1, 2016
 9755 Henderson Road, Brighton, CO. 80601-8114
 (303) 637-8100 tgourd@adco.gov FAX: (303) 637-8125



Sakata Farms (Struck Location) Emergence, Thrips, Pink Root and Maturity Report - 2016

Planted: March 14; Emergence June 8; Thrips June 27; Pink Root August 23; Maturity September 1 and 26, 2016
 Sprinkler Irrigated

Seed Company:	Trt #	Variety Name	Color	Emergence	Thrips	Pink Root Severity	Maturity	
				Per 5 row ft 6/8/2016	Per Plant 6/27/2016	Percent root infected 8/23/2016	Percent Tops Down 9/1/2016	9/26/2016
<u>BEJO SEEDS INC</u>	1	Red Carpet	R	30	9.06	43.5	0	7.88
	2	Sedona	Y	30.75	11.94	28	10.76	38.85
	3	Hamilton	Y	32	17.08	28	5.26	21.37
	4	Gunnison	Y	31	14.65	49.5	14.99	37.17
	5	Calibra	Y	29	13.46	36	12.92	55.28
	6	Legend	Y	35.25	14.57	37	7.85	34.65
	7	Crocket	Y	35.25	15.56	36.5	1.32	11.56
	8	Delgado	Y	30.25	12.44	40	11.18	51.11
<u>ENZA ZADEN</u>	9	E61L.10042	Y	29.25	15.7	30	12.75	42.47
	10	E61L10043	Y	29.5	13.81	37.5	48.14	67.06
	11	E61L.10284	Y	35.75	18.5	30	44.17	94.35
	12	E61D.10036	Y	24.5	15.56	69	44.07	57.04
	13	E61D.10132	Y	17.5	10.96	34.5	70.56	91.61
	14	Q5519	R	39.25	10.76	53.5	14.73	93.26
<u>AMERICAN TAKII</u>	15	Ridge Line	Y	31.75	12.52	48	21.9	55.92
	16	Traverse	Y	34.5	9.33	42.5	7.98	28.21
	17	Grand Perfection	Y	36.75	14.28	42	1.25	24.98
<u>BAYER - NUNHEMS</u>	18	Vaquero	Y	33.5	14.16	30	30.76	62.18
	19	Joaquin	Y	32.25	15.39	32.5	19.38	66.49
	20	Oloroso	Y	31.25	14.55	38.5	3.11	36.71
	21	Montero	Y	30.5	14.74	48.5	16.27	54.33
	22	Granero	Y	31.75	14.45	28.5	22.33	65.25
	23	Arcero	Y	36.5	12.96	30	6.27	34.31
	24	Anillo	Y	36.75	14.73	29.5	13.06	34.71
	<u>HAZERA</u>	25	Cruiser	Y	25	13.36	40.5	9.32
<u>CROOKHAM COMPANY</u>	26	Scout	Y	35.5	14.76	29.5	13.76	76.07
	27	White Cloud	W	28.25	15.06	30.5	23.72	61.95
	28	Avalon	Y	34.5	14.58	32	56.93	81.48
	29	Morpheus	Y	29.5	9.83	34.5	8.14	37.08
	30	Red Beret	R	28.75	11.94	29	7.49	16.28
<u>KEITHLY WILLIAMS</u>	31	Red Defender	R	21.5	8.86	38.5	0	5.95
	32	Red Knight	R	24	10.84	44.5	2.98	24.97
	33	Solo	Y	33.5	13.33	29.5	4.67	17.4
<u>SEMINIS</u>	34	Swale	Y	34.75	14.85	41	8.68	36.41
	35	SV6672NW	Y	36.25	15.91	31	15.26	88.39
	36	SV4643NT	R	32.25	13.81	41.5	14.94	56.84
	37	XP07716000	Y	35.75	12.43	45.5	17.93	52.78
	38	Tucannon	Y	33.25	11.05	30.5	24.7	55.84
<u>HAZERA</u>	39	37-86	Y	15.25	14.45	35.5	7.46	30.68
	40	RedSea	R	9.75	11.51	NA	NA	NA
<u>SAKATA SEED AMERICA</u>	41	Dulce Reina	Y	32	14.84	36	14.14	45.75
	42	Lasso	Y	29.5	10.53	32	19.17	47.79
	43	Yosemite	Y	16.25	9.11	39	26.58	36.36
	44	Yukon	Y	28	14.34	36	44.02	58.89

Averages for all varieties:

30.2

13.3

37.2

17.7

47.7

Critical Value for Comparison of Emergence 13.699 ; Thrips 8.7163; Pink Root 29.120; Maturity (9-1-16) 38.861; Maturity (9-26-16) 65.244

TABLE # 2

Northern Colorado Onion Variety Trials

Colorado State University Extension in Adams County November 1, 2016
 9755 Henderson Road, Brighton, CO. 80601-8114
 (303) 637-8100 tgourd@adcogov.org FAX: (303) 637-8125



Sakata Farms (Stieber Location) Emergence, Thrips, Pink Root and Maturity Report - 2016

Planted: March 15; Emergence June 9; Thrips July 7; Pink Root August 22; Maturity August 19 & September 1, 2016

Flood Irrigated

Seed Company:	Trt #	Variety Name	Color	Emergence	Thrips	Pink Root Severity	Maturity	
				Per 5 row ft 6/9/2016	Per Plant 7/7/2016	Percent root infected 8/22/2016	Percent Tops Down 8/19/2016 9/1/2016	
<u>BEJO SEEDS INC</u>	1	Red Carpet	R	22.75	38.33	56	7.19	15.38
	2	Sedona	Y	22	38.3	16.5	0	2.63
	3	Hamilton	Y	24.25	41.95	16	0	1.14
	4	Gunnison	Y	23.25	41.1	52	12.69	36.65
	5	Calibra	Y	21.5	34.3	45	10.45	44.36
	6	Legend	Y	22.75	47.65	30.5	7.43	21.08
	7	Crocket	Y	22	43.05	27	0	1.32
	8	Delgado	Y	22.25	40.15	34.5	10.02	13.43
<u>ENZA ZADEN</u>	9	E61L.10042	Y	20	40.55	17.5	1.19	24.83
	10	E61L10043	Y	22.25	41.98	17.5	4.63	8.26
	11	E61L.10284	Y	24	35.5	16	14.09	34.44
	12	E61D.10036	Y	24	31.35	67	6.16	16.2
	13	E61D.10132	Y	16.5	38.48	25.5	32.79	49.64
	14	Q5519	R	22.75	19	57.5	NA	NA
<u>AMERICAN TAKII</u>	15	Ridge Line	Y	23.75	35.1	49	6.32	8.55
	16	Traverse	Y	25.5	41.55	40	21.04	42.32
	17	Grand Perfection	Y	20.5	44.4	33.5	1.32	8.29
<u>BAYER - NUNHEMS</u>	18	Vaquero	Y	21	50.05	24	7.81	33.22
	19	Joaquin	Y	26	43.08	20	4.56	15.4
	20	Oloroso	Y	23.5	36.55	23.5	0	6.09
	21	Montero	Y	24.75	47.3	37.5	10.96	42.65
	22	Granero	Y	25	57.38	23	12.62	31.57
	23	Arcero	Y	22.75	42.53	19.5	1.04	7.93
	24	Anillo	Y	28.5	42.13	24.5	3.55	9.78
<u>HAZERA</u>	25	Cruiser	Y	24	36.95	36	3.13	15.94
<u>CROOKHAM COMPANY</u>	26	Scout	Y	25.25	45	23	12.72	48.52
	27	White Cloud	W	25.5	32.48	21.5	5.89	13.95
	28	Avalon	Y	22.25	40.95	24.5	16.15	33.61
	29	Morpheus	Y	22.75	39.83	19	5.18	16.04
	30	Red Beret	R	24.75	35.1	53	7.09	12.49
<u>KEITHLY WILLIAMS</u>	31	Red Defender	R	18	37.63	47.5	0	5.39
	32	Red Knight	R	16	36.5	55	3.95	1.32
	33	Solo	Y	21.25	37.03	20	0	3.31
<u>SEMINIS</u>	34	Swale	Y	20.5	46.33	36	6.59	29.45
	35	SV6672NW	Y	25	50.2	29	8.06	16.04
	36	SV4643NT	R	24	49.38	52.5	16.5	50.9
	37	XP07716000	Y	23.25	41.13	44.5	14.78	48
	38	Tucannon	Y	23.25	43.95	27	8.38	27.28
<u>HAZERA</u>	39	37-86	Y	27	38.25	32	37.77	59.62
	40	RedSea	R	25.25	13.55	65.5	NA	NA

SAKATA SEED AMERICA

41	Dulce Reina	Y	21.5	35.95	21.5	6.22	20.05
42	Lasso	Y	18.25	37.28	23	1.39	9.39
43	Yosemite	Y	25.75	24.63	34.5	15.38	48.16
44	Yukon	Y	20.5	40.98	25.5	6.97	21.27

Averages for all varieties:

22.9 39.4 33.3 8.4 22.8

Critical Value for Comparison of Emergence 8.9046 ; Thrips 19.606; Pink Root 31.483; Maturity (8-19-16) 18.838; Maturity (9-1-16) 43.157

TABLE # 3

Northern Colorado Onion Variety Trials

Colorado State University Extension in Adams County November 2, 2016
 9755 Henderson Road, Brighton, CO. 80601-8114
 (303) 637-8100 tgourd@adco.gov FAX: (303) 637-8125



Sakata Farms (Struck Location) Harvest Report - 2016

Yields are average tons per acre - Planted: March 14 - Harvested: September 27 - Processed: September 28, 2016

Sprinkler Irrigated

Seed Company:	#	Variety Name	Color	Harvest		Percent of Harvest Yield				Bulb Disease	Market Yield	
				Yield	Loss	Jumbo	Medium	Small	Defects			Double
BEJO SEEDS INC	1	Red Carpet	R	2	0	0	1.3	5	93.8	0	0	0.2
	2	Sedona	Y	23	4.3	31.9	29	9	25.8	20	10	19.2
	3	Hamilton	Y	15	0	15.7	49	5.5	30	0	5	12.7
	4	Gunnison	Y	9.3	0	4.5	40	16.9	39.3	0	0	6.7
	5	Calibra	Y	12.3	0	14.9	38	9.4	38	5	0	9.7
	6	Legend	Y	14	0	7.6	52	11.4	27.5	0	0	11.5
	7	Crocket	Y	14.3	0.8	9.4	46	14.6	29	0	0	11
	8	Delgado	Y	16.3	0	2.8	28	10.8	58	0	0	11.7
ENZA ZADEN	9	E61L.10042	Y	16.5	0	26.7	37	13.1	23.5	10	0	13.5
	10	E61L.10043	Y	22.3	0	34.7	53	5.3	6.8	0	0	21.2
	11	E61L.10284	Y	17.8	0	19	60	17.7	4	5	0	16.2
	12	E61D.10036	Y	10.3	0	13.3	23	51.7	12.3	0	0	7.1
	13	E61D.10132	Y	9	1.5	15.3	45	38.4	0	5	5	7.8
	14	Q5519	R	3.5	0	0	2.8	92.2	5	0	0	0.3
AMERICAN TAKII	15	Ridge Line	Y	11.5	0	9.6	49	29.2	12.8	5	5	10
	16	Traverse	Y	9	0	1.9	27	20.5	50.3	0	6.3	4.5
	17	Grand Perfection	Y	16.5	0	8.9	41	15.2	34.5	5	0	12.8
BAYER - NUNHEMS	18	Vaquero	Y	17.5	0	20	51	12.3	16.8	0	0	15.4
	19	Joaquin	Y	29	3.3	29.5	31	11.2	25	5	0	25.8
	20	Oloroso	Y	13.8	0	14.1	29	15.5	41.5	0	0	10.6
	21	Montero	Y	12	0	18.1	32	23.4	27	5	0	8.5
	22	Granero	Y	16	1	19.2	45	11.9	22.8	0	0	13.5
	23	Arcero	Y	18	3.5	31	39	7.4	19.5	0	0	16.3
	24	Anillo	Y	18.5	0	22.4	56	10.7	11.5	0	10	17
HAZERA	25	Cruiser	Y	6.3	0	15.5	37	22.6	25.8	5	0	4.7
CROOKHAM COMPANY	26	Scout	Y	17.5	0	22.5	50	17.7	9.8	0	5	15.5
	27	White Cloud	W	15.8	1	20.9	47	15.1	16.3	0	0	13.8
	28	Avalon	Y	23.8	0	27	52	7.3	13.8	0	0	21.3
	29	Morpheus	Y	14.5	0	11.8	27	4.7	57.3	0	5	10
	30	Red Beret	R	9	0	7.3	20	11.3	62	0	0	6
KEITHLY WILLIAMS	31	Red Defender	R	3.3	0	1.6	8	4.2	86.3	5	0	0.8
	32	Red Knight	R	4.3	0	1.9	7	12.2	79	15	10	0.9
	33	Solo	Y	22.5	1.5	32.8	35	0.8	30	0	0	17.9
SEMINIS	34	Swale	Y	16.8	0	10.5	47	9.2	33.3	0	5	13.5
	35	SV6672NW	Y	19.5	0	17.4	60	13.4	9	0	0	18
	36	SV4643NT	R	7.5	0	4.8	38	17.2	40	10	5	5

37	XP07716000	Y	15.5	0	16.5	51	9.5	23.3	0	0	13
38	Tucannon	Y	13.8	0	13.5	37	7.5	41.5	0	0	11.7

HAZERA

39	37-86	Y	8.3	8	18.1	27	10.7	36.3	0	0	7.3
40	Red Sea	R	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

SAKATA SEED AMERICA

41	Dulce Reina	Y	14.8	1.8	22	35	4.2	36.8	6.3	0	11.4
42	Lasso	Y	18.8	0	22.4	55	7.3	15.5	0	0	17.1
43	Yosemite	Y	7.8	0	15.1	60	7.3	17.5	25	0	6.7
44	Yukon	Y	16.8	0	13	57	8.6	21.5	0	0	13.8

Averages for all varieties: 14.0 0.7 15.5 ### 15.1 30.4 3.1 1.7 11.4

Critical Value for Comparison of Colossal 4.454, Jumbo 31.691, Medium 39.534, PrePacks 29.953, Defects 46.485, Doubles 22.291, Disease 16.005
Critical Value for Comparison of Harvest Yield 14.542 and Market Yield 14.466

TABLE # 4

Northern Colorado Onion Variety Trials

Colorado State University Extension in Adams County November 2, 2016
9755 Henderson Road, Brighton, CO. 80601-8114
(303) 637-8100 tgourd@adcogov.org FAX: (303) 637-8125



Sakata Farms (Stieber Location) Harvest Report - 2016

Yields are average tons per acre - Planted: March 15 - Harvested: September 16 - Processed: September 19, 2016

Flood Irrigated

Percent of Harvest Yield

Seed Company:	#	Variety Name	Color	Harvest Yield	Loss	Percent of Harvest Yield	Jumbo	Medium	Small	Defects	Doubles	% Bulb Disease	Market Yield
BEJO SEEDS INC	1	Red Carpet	R	5.9	0	9.8	26	37.5	26.7	0	0		3.2
	2	Sedona	Y	16.1	0	12.6	65	8.9	13.2	35	5		10.9
	3	Hamilton	Y	15.1	0	12.7	67	10.7	9.7	5	0		13.4
	4	Gunnison	Y	16.2	0	3.6	42	44.4	10.4	0	20		12.5
	5	Calibra	Y	11.7	0	16.5	69	10	4.3	15	10		10.8
	6	Legend	Y	13.6	0	19.8	55	19.3	5.9	5	0		11.8
	7	Crocket	Y	10.8	0	13.2	45	12.7	28.8	0	5		8.1
	8	Delgado	Y	11.9	0	19.9	57	15.4	7.8	15	0		10.6
ENZA ZADEN	9	E61L.10042	Y	12.8	0	31.1	56	3.8	8.8	10	0		12.3
	10	E61L.10043	Y	15.9	0.9	36	39	10.2	14.2	0	5		14.4
	11	E61L.10284	Y	13.2	0	15.9	65	17.5	1.3	15	0		12
	12	E61D.10036	Y	5.5	0	3.9	26	66.5	3.4	0	0		3
	13	E61D.10132	Y	9	0	20	61	17.2	1.6	10	0		8.2
	14	Q5519	R	4.6	0	0	29	68.1	2.5	0	0		2
AMERICAN TAKII	15	Ridge Line	Y	9.9	0	0.9	76	20.5	2.3	0	0		8.8
	16	Traverse	Y	9.5	0	1.9	56	39.9	2.2	0	0		7.3
	17	Grand Perfection	Y	13.3	0	20.8	59	13.3	6.7	0	5		11.9
BAYER - NUNHEMS	18	Vaquero	Y	13.7	0	28.3	51	12.7	7.9	0	0		12.9
	19	Joaquin	Y	17.6	1.2	28.5	50	14.6	5.9	0	0		16.4
	20	Oloroso	Y	10.6	0	7.2	66	19.4	7.8	0	15		9
	21	Montero	Y	11.7	0	18.4	59	18.5	3.8	0	15		10.5
	22	Granero	Y	14.9	0	17.5	71	10.4	1	0	5		14.2
	23	Arcero	Y	15	0	26.3	57	8.6	8.2	5	0		14.3
	24	Anillo	Y	13.9	0	10	67	22.5	0.9	0	0		12.3
HAZERA	25	Cruiser	Y	9.9	0	2.5	46	36.8	14.6	5	0		7.3
CROOKHAM COMPANY	26	Scout	Y	22	0	23.2	50	22.3	4.9	0	0		19.1
	27	White Cloud	W	14.6	0	19.8	63	15	2	0	0		13.5
	28	Avalon	Y	18.5	1.2	41.2	51	1	6.2	0	0		17.6
	29	Morpheus	Y	13.6	0	38.4	34	0	27.8	0	0		12
	30	Red Beret	R	13	0	3.3	23	27.1	46.2	0	0		7.4
KEITHLY WILLIAMS	31	Red Defender	R	5.6	0	1.8	28	15	55	15	0		2.4
	32	Red Knight	R	4.9	0	1.25	32	25.8	41.3	0	0		2.9

33	Solo	Y	14.8	0	39.2	35	5.6	20.4	0	15	13.1
SEMINIS											
34	Swale	Y	14.2	0	23.6	57	14.8	4.7	10	0	13.2
35	SV6672NW	Y	23.2	0	20.7	61	16	2.1	0	0	22.4
36	SV4643NT	R	8.3	0	1.1	52	32.1	14.8	10	0	6.1
37	XP07716000	Y	17	0	35.6	54	8.3	2.3	0	0	16.4
38	Tucannon	Y	12.8	0	12.8	67	12.8	7	0	5	11.6
HAZERA											
39	37-86	Y	14.5	0	19.7	48	17.6	14.9	5	0	12.1
40	Red Sea	R	4.2	0	0	25	75.1	0	25	0	1.9
SAKATA SEED AMERICA											
41	Dulce Reina	Y	14.8	0	30.7	51	3.7	14.7	0	0	13.7
42	Lasso	Y	12.2	0	22.5	53	3.3	21.2	0	0	10.7
43	Yosemite	Y	10.2	0	3.9	60	31.8	4	20	10	8.5
44	Yukon	Y	9	0	21.3	48	24.7	5.6	0	5	7.7

Averages for all varieties: 12.5 0.1 16.8 ### 20.7 11.2 4.7 2.7 10.7

Critical Value for Comparison of Colossal 1.62, Jumbo 31.22, Medium 35.38, PrePacks 26.94, Defects 22.76, Doubles 33.01, Disease 24.24
Critical Value for Comparison of Harvest Yield 14.243 and Market Yield 11.028

TABLE # 5

Northern Colorado Onion Variety Trials

Colorado State University Extension in Adams County January 30, 2017
9755 Henderson Road, Brighton, CO. 80601-8114
(303) 637-8100 tgourd@adcogov.org FAX: (303) 637-8125



Sakata Farms (Struck Location) Storage Report - 2016 -2017

Yields are average tons per acre - Planted: March 14 - Harvested: September 27, 2016: Storage Evaluation: January 12, 2017

Sprinkler Irrigated

Tons per Acre

Seed Company:	#	Name	Color	Harvest			Storage		Red firmness	Scale Retention
				Yield	Market Yield	Storage Yield	1 to 5 scale	5 to 1 scale		
BEJO SEEDS INC	1	Red Carpet	R	2	0.2	n/a	n/a	n/a	n/a	
	2	Sedona	Y	23	19.2	17.9	2.75	2.5		
	3	Hamilton	Y	15	13	11.1	2.75	2.75		
	4	Gunnison	Y	9.3	6.7	5.7	2.75	2.75		
	5	Calibra	Y	12.3	9.7	9.2	2.25	2.25		
	6	Legend	Y	14	11.5	10.0	1.25	1.5		
	7	Crocket	Y	14.3	11	10.4	3.25	3		
	8	Delgado	Y	16.3	12	7.9	1.75	1.5		
ENZA ZADEN	9	E61L.10042	Y	16.5	14	12.5	2.25	2		
	10	E61L.10043	Y	22.3	21	20.2	3	3		
	11	E61L.10284	Y	17.8	16	14.9	1.25	1.75		
	12	E61D.10036	Y	10.3	7.1	7.1	2.5	2.25		
	13	E61D.10132	Y	9	7.8	6.2	1.25	1.5		
	14	Q5519	R	3.5	0.3	n/a	n/a	n/a		
AMERICAN TAKII	15	Ridge Line	Y	11.5	10	9.4	2	2		
	16	Traverse	Y	9	4.5	3.9	1.5	1.5		
	17	Grand Perfection	Y	16.5	12.8	12.3	1.5	2		
BAYER - NUNHEMS	18	Vaquero	Y	17.5	15	14.1	2.75	2.75		
	19	Joaquin	Y	29	26	24.7	2.75	3.25		
	20	Oloroso	Y	13.8	11	9.3	2.5	3		
	21	Montero	Y	12	8.5	7.2	2	2.25		
	22	Granero	Y	16	14	12.1	2.5	2.75		
	23	Arcero	Y	18	16	15.1	2.75	3		
	24	Anillo	Y	18.5	17	14.7	2.75	2.75		
HAZERA	25	Cruiser	Y	6.3	4.7	3.7	2.5	2.25		
CROOKHAM COMPANY	26	Scout	Y	17.5	16	14.3	1.25	1.25		
	27	White Cloud	W	15.8	14	12.7	1.25	1.75		
	28	Avalon	Y	23.8	21	19.5	1.75	1.5		

29	Morpheus	Y	14.5	10	8.7		1.75	2
30	Red Beret	R	9	6	2.6	n/a	2.25	2.25

KEITHLY WILLIAMS

31	Red Defender	R	3.3	0.8	0.7	n/a	2	2
32	Red Knight	R	4.3	0.9	0.6	n/a	2	2.5
33	Solo	Y	22.5	18	14.3		2.25	2.25

SEMINIS

34	Swale	Y	16.8	14	12.9		2.5	2.25
35	SV6672NW	Y	19.5	18	16.2		1.25	1.5
36	SV4643NT	R	7.5	5	3.8		1.75	1.75
37	XP07716000	Y	15.5	13	11.6		2.25	2.5
38	Tucannon	Y	13.8	12	10.2		2.25	2.5

HAZERA

39	37-86	Y	8.3	7.3	6.5		2	2.25
40	Red Sea	R	n/a	n/a	n/a	n/a	n/a	n/a

SAKATA SEED AMERICA

41	Dulce Reina	Y	14.8	11.4	9.7		1.75	2
42	Lasso	Y	18.8	17.1	15.0		1.75	2
43	Yosemite	Y	7.8	6.7	4.5		1.5	1.5
44	Yukon	Y	16.8	13.8	12.0		2.25	2.25

Averages for all varieties:

14.0 11.4 9.9 2.1 2.2

Critical Value for Comparison of Storage Yield 5.56; Firmness 2.034; Scales 1.805

Critical Value for Comparison of Harvest Yield 14.542 and Market Yield 14.466

This field had high levels of pink root disease at time of harvest

TABLE # 6

Northern Colorado Onion Variety Trials

Colorado State University Extension in Adams County January 30, 2017
9755 Henderson Road, Brighton, CO. 80601-8114
(303) 637-8100 tgourd@adcogov.org FAX: (303) 637-8125



Sakata Farms (Stieber Location) Storage Report - 2016 -2017

Yields are average tons per acre - Planted: March 15 - Harvested: September 16 - Storage Evaluation: January 12, 2017

Flood Irrigated

Tons per Acre

Seed Company:	#	Name	Color	Harvest Yield	Market Yield	Storage Yield	Firmness	Scale Retention
							1 to 5 score	5 score: 1 to 5 scale
<u>BEJO SEEDS INC</u>	1	Red Carpet	R	5.9	3.2	3.1	3	2.75 3
	2	Sedona	Y	16.1	10.9	10.6		3 3
	3	Hamilton	Y	15.1	13	12.9		3.25 3
	4	Gunnison	Y	16.2	13	12.3		3 2.75
	5	Calibra	Y	11.7	11	10.3		3 3.25
	6	Legend	Y	13.6	11.8	10.9		3.25 3.25
	7	Crocket	Y	10.8	8.1	6.4		3.25 3
	8	Delgado	Y	11.9	11	10.0		3 2.75
<u>ENZA ZADEN</u>	9	E61L.10042	Y	12.8	12	10.5		2.75 2.75
	10	E61L10043	Y	15.9	14	14.0		3.25 3
	11	E61L.10284	Y	13.2	12	11.6		2 1.25
	12	E61D.10036	Y	5.5	3	2.7		2.5 2
	13	E61D.10132	Y	9	8.2	8.2		2 1
	14	Q5519	R	4.6	2	1.5	2.5	2 1.75
<u>AMERICAN TAKII</u>	15	Ridge Line	Y	9.9	8.8	8.1		2.75 2
	16	Traverse	Y	9.5	7.3	7.2		2.5 2
	17	Grand Perfection	Y	13.3	11.9	11.9		2.75 2.25
<u>BAYER - NUNHEMS</u>	18	Vaquero	Y	13.7	13	12.7		2.5 2.25
	19	Joaquin	Y	17.6	16	15.1		2.75 2.75
	20	Oloroso	Y	10.6	9	9.0		3.25 3
	21	Montero	Y	11.7	11	10.0		2.75 3
	22	Granero	Y	14.9	14	13.7		3.25 3
	23	Arcero	Y	15	14	13.4		2.5 3
	24	Anillo	Y	13.9	12.3	11.5		3.25 3.25

HAZERA

25	Cruiser	Y	9.9	7.3	7.1		3	2
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CROOKHAM COMPANY

26	Scout	Y	22	19	18.1		2.25	1.75
27	White Cloud	W	14.6	14	12.0		2	2
28	Avalon	Y	18.5	18	14.5		2	1.75
29	Morpheus	Y	13.6	12	10.8		2	2.25
30	Red Beret	R	13	7.4	6.4	2.8	2.25	2.5

KEITHLY WILLIAMS

31	Red Defender	R	5.6	2.4	1.7	3	2.25	2.5
32	Red Knight	R	4.9	2.9	2.4	2.8	2.75	2.75
33	Solo	Y	14.8	13	10.3		2.5	3

SEMINIS

34	Swale	Y	14.2	13	11.9		3	2.75
35	SV6672NW	Y	23.2	22	20.5		2.75	2.5
36	SV4643NT	R	8.3	6.1	5.8	2.3	3	2.5
37	XP07716000	Y	17	16	15.7		2.25	2.5
38	Tucannon	Y	12.8	12	10.7		3	2.75

HAZERA

39	37-86	Y	14.5	12.1	10.7		2.5	2.75
40	Red Sea	R	4.2	1.9	1.3	3	1.75	2

SAKATA SEED AMERICA

41	Dulce Reina	Y	14.8	13.7	12.0		2.25	1.75
42	Lasso	Y	12.2	10.7	10.4		2	2
43	Yosemite	Y	10.2	8.5	8.2		2.25	1.5
44	Yukon	Y	9	7.7	7.1		2.75	2.5

Averages for all varieties:

12.5 10.7 7.9 2.8 2.6 2.5

Critical Value for Comparison of Storage Yield ; Red Color 1.6654; Firmness 1.5066; Scales 1.4930

Critical Value for Comparison of Harvest Yield 14.243 and Market Yield 11.028

This field had high levels of pink root disease at time of harvest