

Table 1
Comparisons Test of Emerged Onion Varieties per 10 feet of row
(Two Lines per Bed) Brighton Location - 6/4/2014

Number	Variety	Number of onions	
		Mean	Homogeneous Groups
17	Vaquero	79.000	A
16	Rancho	78.750	A
35	Cruiser	78.250	AB
15	Montero	78.000	AB
27	Scout	77.250	AB
14	Joaquin	77.000	AB
18	Oloroso	76.250	ABC
11	Acerro	76.000	ABC
26	Avalon	76.000	ABC
5	Crockett	75.250	ABC
33	Maverick	74.000	ABC
9	Legend	73.500	ABC
23	XP07716000	73.500	ABC
40	Comenta	72.500	ABCD
39	Saffron	72.250	ABCD
1	Trail Blazer	71.750	ABCD
25	SV4058NU	71.750	ABCD
28	Pontiac	71.750	ABCD
20	Ovation	71.250	ABCD
21	Swale	71.000	ABCD
2	Grand Perfection	70.750	ABCD
12	Anillo	70.750	ABCD
13	Comenta	70.750	ABCD
37	Sugar Loaf	70.750	ABCD
10	Sedona	70.500	ABCD
22	SV6672NW	69.750	ABCD
42	Red Wing	69.750	ABCD
4	Calibra	68.750	ABCD
6	Delgado	68.500	ABCD
24	SV6646NW	68.500	ABCD
29	Esteem	67.750	ABCD
30	Oracle	67.250	ABCD
3	T-866	67.000	ABCD
32	Purple Haze	65.500	ABCD
31	Trigger	63.500	ABCD
38	Cherry Mountain	62.500	ABCD
8	Hamilton	61.750	ABCD
36	Diamond Swan	60.750	ABCD
19	Spanish Medallion	58.250	BCD
7	Gunnison	56.500	CD
41	Red Wing	52.250	D
34	Frontino	19.000	E

Alpha 0.05 Standard Error for Comparison 5.2285
Critical Q Value 5.522 Critical Value for Comparison 20.417
Error term used: REP*VARIETY, 123 DF
There are 5 groups (A, B, etc.) in which the means
are significantly different from one another.

Table 2
Comparisons Test of the Number of Thrips per Plant at the Brighton Location
7-2-2014

TRT Number	Variety	Avg. Number of Thrips per Plant	
		Mean	Homogeneous Groups
8	Hamilton	34.875	A
2	Grand Perfection	33.725	A
25	SV4058NU	33.700	A
15	Montero	32.175	AB
5	Crockett	31.525	AB
1	Trail Blazer	31.450	AB
22	SV6672NW	31.250	AB
7	Gunnison	31.200	AB
10	Sedona	30.425	AB
35	Cruiser	29.375	AB
42	Red Wing	29.350	AB
32	Purple Haze	28.300	AB
19	Spanish Medallion	28.125	AB
12	Anillo	27.600	AB
27	Scout	27.300	AB
21	Swale	26.950	AB
24	SV6646NW	26.900	AB
11	Acer0	26.450	AB
13	Cometa	26.125	AB
28	Pontiac	26.125	AB
34	Frontino	26.125	AB
40	Cometa	25.625	AB
17	Vaquero	24.825	AB
4	Calibra	24.200	AB
26	Avalon	23.725	AB
41	Red Wing	23.650	AB
9	Legend	23.575	AB
14	Joaquin	22.675	AB
6	Delgado	21.225	AB
16	Ranchero	21.175	AB
29	Esteem	21.050	AB
39	Saffron	20.875	AB
18	Oloroso	20.850	AB
38	Cherry Mountain	20.650	AB
33	Maverick	20.425	AB
36	Diamond Swan	19.950	AB
31	Trigger	19.925	AB
20	Ovation	19.500	AB
23	XPO7716000	18.725	AB
37	Sugar Loaf	18.075	AB
30	Oracle	17.525	AB
3	T-866	15.625	B

Alpha 0.05 Standard Error for Comparison 4.4556
Critical Q Value 5.522 Critical Value for Comparison 17.398
Error term used: REP*VAR, 123 DF

There are 2 groups (A and B) in which the means
are not significantly different from one another.

Table 3
Comparisons Test of Maturity for Onion Varieties at Brighton Location
8-14-2014

Number	Variety	Percent of Onion Tops Down	
		Mean	Homogeneous Groups
20	Ovation	5.1553	A
37	Sugar Loaf	4.0271	AB
15	Montero	3.8022	AB
19	Spanish Medallion	3.5088	AB
10	Sedona	3.0430	AB
27	Scout	2.5489	AB
36	Diamond Swan	2.5306	AB
1	Trail Blazer	2.1029	AB
42	Red Wing	2.0548	AB
7	Gunnison	1.4286	AB
26	Avalon	1.3942	AB
14	Joaquin	1.3158	AB
41	Red Wing	0.9804	AB
22	SV6672NW	0.7937	AB
38	Cherry Mountain	0.7692	AB
6	Delgado	0.6944	AB
28	Pontiac	0.6944	AB
29	Esteem	0.6944	AB
39	Saffron	0.6667	AB
24	SV6646NW	0.6494	AB
16	Ranchero	0.6410	AB
17	Vaquero	0.6173	AB
35	Cruiser	0.5952	AB
2	Grand Perfection	0.0000	B
3	T-866	0.0000	B
4	Calibra	0.0000	B
5	Crockett	0.0000	B
8	Hamilton	0.0000	B
9	Legend	0.0000	B
11	Acerro	0.0000	B
12	Anillo	0.0000	B
13	Cometa	0.0000	B
18	Oloroso	0.0000	B
21	Swale	0.0000	B
23	XP07716000	0.0000	B
25	SV4058NU	0.0000	B
30	Oracle	0.0000	B
31	Trigger	0.0000	B
32	Purple Haze	0.0000	B
33	Maverick	0.0000	B
34	Frontino	0.0000	B
40	Cometa	0.0000	B

Alpha 0.05 Standard Error for Comparison 1.3111
Critical Q Value 5.522 Critical Value for Comparison 5.1197
Error term used: REP*VARIETY, 123 DF
There are 2 groups (A and B) in which the means
are not significantly different from one another.

Table 4
Comparisons Test of Maturity for Onion Varieties at Brighton Location
8-25-2014

NUMBER	VARIETY	Percent of Onion Tops Down	
		Mean	Homogeneous Groups
15	Montero	45.580	A
20	Ovation	43.491	A
7	Gunnison	21.617	AB
1	Trail Blazer	16.168	AB
36	Diamond Swan	12.489	B
41	Red Wing	11.135	B
29	Esteem	10.737	B
27	Scout	10.321	B
21	Swale	9.8690	B
28	Pontiac	9.1019	B
10	Sedona	8.4810	B
30	Oracle	7.2368	B
38	Cherry Mountain	7.1241	B
26	Avalon	6.8547	B
42	Red Wing	6.8181	B
24	SV6646NW	6.5777	B
14	Joaquin	6.5115	B
37	Sugar Loaf	6.2682	B
19	Spanish Medallion	5.9760	B
6	Delgado	5.9430	B
39	Saffron	5.5717	B
32	Purple Haze	5.2566	B
16	Ranchero	5.1508	B
4	Calibra	5.0821	B
18	Oloroso	5.0633	B
9	Legend	4.7929	B
35	Cruiser	4.5162	B
17	Vaquero	4.4172	B
22	SV6672NW	3.8095	B
11	Acero	3.7809	B
31	Trigger	3.0924	B
5	Crockett	2.6631	B
2	Grand Perfection	2.5755	B
12	Anillo	2.5045	B
23	XP07716000	1.3701	B
40	Comenta	1.2827	B
8	Hamilton	0.6410	B
3	T-866	0.0000	B
13	Comenta	0.0000	B
25	SV4058NU	0.0000	B
33	Maverick	0.0000	B
34	Frontino	0.0000	B

Alpha 0.05 Standard Error for Comparison 7.8953
Critical Q Value 5.522 Critical Value for Comparison 30.830
Error term used: REP*VARIETY, 123 DF
There are 2 groups (A and B) in which the means
Are not significantly different from one another.

Table 5
Comparisons Test of Percentage of Fusarium oxysporum f. sp. cepae (Basal Rot)
Infected Plants for each Variety at Brighton Location on 8-13-2014

TRT	Variety	Percent infected plants	
		Mean	Homogeneous Groups
12	Anillo	91.000	A
15	Montero	88.500	AB
1	Trail Blazer	86.000	AB
33	Maverick	83.000	AB
37	Sugar Loaf	82.500	AB
19	Spanish Medallion	81.500	ABC
25	SV4058NU	78.000	ABCD
23	XP07716000	77.500	ABCDE
7	Gunnison	76.500	ABCDEF
22	SV6672NW	76.500	ABCDEF
35	Cruiser	74.000	ABCDEFG
29	Esteem	73.500	ABCDEFG
4	Calibra	71.000	ABCDEFG
11	Acerro	67.500	ABCDEFGH
9	Legend	66.000	ABCDEFGHI
13	Comenta	64.500	ABCDEFGHI
24	SV6646NW	64.500	ABCDEFGHI
3	T-866	63.500	ABCDEFGHI
32	Purple Haze	62.500	ABCDEFGHI
42	Red Wing	62.500	ABCDEFGHI
26	Avalon	61.500	ABCDEFGHI
39	Saffron	59.500	ABCDEFGHI
6	Delgado	58.500	ABCDEFGHI
40	Comenta	57.000	ABCDEFGHI
17	Vaquero	56.000	ABCDEFGHI
18	Oloroso	55.000	ABCDEFGHI
27	Scout	53.500	ABCDEFGHI
28	Pontiac	52.500	BCDEFGHI
21	Swale	52.000	BCDEFGHI
20	Ovation	51.500	BCDEFGHI
14	Joaquin	51.000	BCDEFGHI
34	Frontino	43.611	CDEFGHI
31	Trigger	42.500	DEFGHI
36	Diamond Swan	41.000	DEFGHI
41	Red Wing	41.000	DEFGHI
16	Ranchero	40.000	DEFGHI
10	Sedona	39.500	EFGHI
8	Hamilton	39.000	FGHI
5	Crockett	37.500	GHI
38	Cherry Mountain	32.500	HI
2	Grand Perfection	31.500	HI
30	Oracle	28.500	I

Alpha 0.05 Standard Error for Comparison 9.7935
Critical Q Value 5.522 Critical Value for Comparison 38.242
Error term used: REP*TRT, 123 DF
There are 9 groups (A, B, etc.) in which the means
are not significantly different from one another.

Table 6
Severity of Fusarium oxysporum f. sp. cepae (Basal Rot) on Onion Varieties
Comparison Test (1=Healthy - 10=Dead) at Brighton Location 9-2-2014

TRT. Number	VARIETY	Severity (1=Healthy - 10=Dead)	
		Mean	Homogeneous Groups
35	Cruiser	9.5000	G
1	Trail Blazer	9.5000	G
37	Sugar Loaf	9.2500	G
15	Montero	8.7500	FG
19	Spanish Medallion	8.5000	EFG
12	Anillo	8.5000	EFG
7	Gunnison	8.5000	EFG
23	XP07716000	8.2500	EFG
22	SV6672NW	8.0000	DEFG
20	Ovation	8.0000	DEFG
33	Maverick	7.5000	CDEFG
25	SV4058NU	7.5000	CDEFG
27	Scout	7.2500	BCDEFG
26	Avalon	7.2500	BCDEFG
34	Frontino	7.0000	BCDEFG
28	Pontiac	7.0000	BCDEFG
24	SV6646NW	7.0000	BCDEFG
18	Oloroso	7.0000	BCDEFG
32	Purple Haze	6.7500	BCDEFG
11	Acero	6.7500	BCDEFG
4	Calibra	6.7500	BCDEFG
42	Red Wing	6.5000	BCDEFG
29	Esteem	6.5000	BCDEFG
9	Legend	6.0000	ABCDEFG
17	Vaquero	5.5000	ABCDEF
8	Hamilton	5.5000	ABCDEF
40	Cometa	5.2500	ABCDEF
21	Swale	5.2500	ABCDEF
6	Delgado	5.2500	ABCDEF
3	T-866	5.2500	ABCDEF
41	Red Wing	5.0000	ABCDE
14	Joaquin	5.0000	ABCDE
13	Cometa	5.0000	ABCDE
39	Saffron	4.5000	ABCD
31	Trigger	4.5000	ABCD
36	Diamond Swan	4.2500	ABC
38	Cherry Mountain	4.0000	ABC
30	Oracle	4.0000	ABC
10	Sedona	4.0000	ABC
5	Crocket	3.7500	AB
2	Grand Perfection	3.7500	AB
16	Rancho	2.7500	A

Alpha 0.05 Standard Error for Comparison 0.9494
Critical Q Value 5.522 Critical Value for Comparison 3.7071
Error term used: REP*VARIETY, 123 DF
There are 7 groups (A, B, etc.) in which the means
are not significantly different from one another.