

Tuber Yield and Quality Performance of Colorado Advanced Potato Selections

2012 DATA SUMMARY



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Table 1. Yield and tuber size distribution of Russet Norkotah (sel.8) grown under different management practices, 2012.

Field Number	Total	< 4oz	> 4oz	>6oz	Yield (cwt/ac)					
					4-16oz	4-10oz	10-16oz	>10 oz	6-16oz	>16oz
1	298	80	218(73) ¹	132(44)	178	147	31	71	92	40
2	501	95	406(81)	286(57)	406	357	49	49	286	0
4	191	77	114(60)	55(29)	114	114	0	0	55	0
5	495	40	455(92)	372(75)	403	265	138	190	320	52
6	519	49	470(91)	409(79)	378	246	132	224	317	92
Mean	401	68	333(83)	251(63)	296	226	70	107	214	37

¹ Figures in brackets indicate % of total

Table 2. Tuber quality of Russet Norkotah (sel.8) grown under different management practices, 2012.

Field Number	% Growth Cracks	% Knobs	% Misshapes	% External ¹ Defects	% Hollow Heart	% Brown Center	% Internal ² Defects	Specific Gravity	
									1
2	0	0	1.2	1.2	0	0	0	0	1.069
4	0	0	0	0	0	0	0	0	1.078
5	0	0	0	0	0	0	0	0	1.077
6	0	0	3.0	3.0	0	0	0	0	1.072
Mean	0	0	0.84	0.84	0	0	0	0	1.074

¹ Includes growth cracks, knobs and misshapes.

² Includes hollow heart and brown center.

Table 3. Yield and tuber size distribution of CO04233-1RU grown under different management practices, 2012.

Field Number	Total	< 4oz	> 4oz	>6oz	Yield (cwt/ac)					
					4- 16oz	4 - 10oz	10 -16oz	>10 oz	6 - 16oz	> 16oz
1	313	95	218(70) ¹	123(39)	218	200	18	18	123	0
2	431	37	394(91)	308(72)	394	323	71	71	308	0
3	557	77	480(86)	329(59)	461	393	68	87	310	19
4	261	31	230(88)	120(46)	212	172	40	58	102	18
5	520	65	455(88)	314(60)	455	375	80	80	314	0
6	413	19	394(96)	360(87)	243	123	120	271	209	151
Mean	416	54	362(87)	259(62)	331	264	66	98	228	31

¹ Figures in brackets indicate % of total

Table 4. Tuber quality of CO04233-1RU grown under different management practices, 2012.

Field Number	% Growth Cracks	% Knobs	% Misshapes	% External ¹ Defects	% Hollow Heart	% Brown Center	% Internal ² Defects	Specific Gravity
2	4	0	0	4	0	0	0	1.074
3	0	0	0	0	0	0	0	1.076
4	9	7	0	16	0	0	0	1.080
5	0	0	0	0	0	0	0	1.085
6	21	19	19	59	0	0	0	1.082
Mean	5.7	4.3	3.2	13.2	0	0	0	1.079

¹ Includes growth cracks, knobs and misshapes.

² Includes hollow heart and brown center.

Table 5. Yield and tuber size distribution of CO03187-1RU grown under different management practices, 2012.

Field Number	Total	< 4oz	> 4oz	>6oz	Yield (cwt/ac)					
					4-16oz	4-10oz	10-16oz	>10 oz	6-16oz	> 16oz
1	316	132	184(58) ¹	101(32)	169	0	15	86	15	
2	424	147	277(65)	126(30)	277	9	9	126	0	
3	412	221	191(46)	89(22)	191	9	9	89	0	
4	200	154	46(23)	12(6)	46	0	0	12	0	
5	443	163	280(63)	148(33)	280	62	62	148	0	
6	418	111	307(73)	200(48)	307	46	46	200	0	
Mean	369	155	214(58)	113(31)	212	21	24	110	2.5	

¹ Figures in brackets indicate % of total

Table 6. Tuber quality of CO03187-1RU grown under different management practices, 2012.

Field Number	% Growth Cracks	% Knobs	% Misshapes	% External ¹ Defects	% Hollow Heart	% Brown Center	% Internal ² Defects	Specific Gravity
2	0	0	0	0	0	0	0	1.077
3	0	0	0	0	0	0	0	1.071
4	0	0	0	0	0	0	0	1.073
5	0	0	0	0	0	0	0	1.078
6	0	0	0	0	0	0	0	1.079
Mean	0	0	0	0	0	0	0	1.075

¹ Includes growth cracks, knobs and misshapes.

² Includes hollow heart and brown center.

Table 7. Yield and tuber size distribution of CO03202-1RU grown under different management practices, 2012.

Field Number	Total	< 4oz	> 4oz	>6oz	Yield (cwt/ac)					
					4-16oz	4-10oz	10-16oz	>10 oz	6-16oz	>16oz
1	440	108	332(76) ¹	194(44)	332	301	31	31	194	0
2	409	40	369(90)	240(59)	369	326	43	43	240	0
3	458	141	317(69)	206(45)	317	265	52	52	206	0
4	363	52	311(86)	191(53)	311	268	43	43	191	0
5	581	172	409(70)	178(31)	409	409	0	0	178	0
6	501	95	406(81)	283(57)	406	363	43	43	283	0
Mean	459	101	357(78)	215(47)	357	322	35	35	215	0

¹ Figures in brackets indicate % of total

Table 8. Tuber quality of CO03202-1RU grown under different management practices, 2012.

Field Number	% Growth Cracks	% Knobs	% Misshapes	% External ¹ Defects	% Hollow Heart	% Brown Center	% Internal ² Defects	Specific Gravity
2	0	0	0	0	0	0	0	1.088
3	0	0	0	0	0	0	0	1.085
4	0	0	0	0	0	0	0	1.091
5	0	0	0	0	0	0	0	1.091
6	0	0	0	0	0	0	0	1.087
Mean	0	0	0	0	0	0	0	1.087

¹ Includes growth cracks, knobs and misshapes.

² Includes hollow heart and brown center.

Table 9. Yield and tuber size distribution of CO03276-4RU grown under different management practices, 2012.

Field Number	Total	< 4oz	> 4oz	> 6oz	Yield (cwt/ac)					
					4-16oz	4-10oz	10-16oz	>10 oz	6-16oz	> 16oz
1	280	117	163(58) ¹	65(23)	154	9	9	65	0	
2	665	111	554(83)	307(46)	477	77	77	307	0	
3	409	212	197(48)	65(16)	197	0	0	65	0	
4	222	157	65(29)	15(7)	65	0	0	15	0	
5	458	117	341(75)	166(36)	320	21	21	166	0	
6	474	151	323(68)	206(44)	240	68	83	191	15	
Mean	418	144	274(66)	137(33)	271	29	32	135	2.5	

¹ Figures in brackets indicate % of total

Table 10. Tuber quality of CO03276-4RU grown under different management practices, 2012.

Field Number	% Growth Cracks	% Knobs	% Misshapes	% External ¹ Defects	% Hollow Heart	% Brown Center	% Internal ² Defects	Specific Gravity
2	0	0	0	0	0	0	0	1.076
3	0	0	0	0	0	0	0	1.081
4	0	0	0	0	0	0	0	1.085
5	0	0	0	0	0	0	0	1.079
6	0	0	0	0	0	0	0	1.081
Mean	0	0	0.4	0.4	0	0	0	1.080

¹ Includes growth cracks, knobs and misshapes.

² Includes hollow heart and brown center.

Table 11. Yield and tuber size distribution of CO04211-4RU grown under different management practices, 2012.

Field Number	Total	< 4oz	> 4oz	>6oz	Yield (cwt/ac)					
					4-16oz	4-10oz	10-16oz	>10 oz	6-16oz	>16oz
1	249	83	166(67) ¹	95(38)	166	166	0	0	95	0
2	378	98	280(74)	169(45)	218	218	62	62	169	0
3	427	92	335(79)	246(58)	335	249	86	86	246	0
4	151	102	49(33)	12(8)	49	49	0	0	12	0
5	452	68	384(85)	304(67)	384	292	92	92	304	0
6	428	71	357(83)	255(60)	357	228	129	129	255	0
Mean	348	86	262(75)	180(52)	262	200	62	62	180	0

¹ Figures in brackets indicate % of total

Table 12. Tuber quality of CO04211-4RU grown under different management practices, 2012.

Field Number	% Growth Cracks	% Knobs	% Misshapes	% External ¹ Defects	% Hollow Heart	% Brown Center	% Internal ² Defects	Specific Gravity
2	0	0	1.6	1.6	0	0	0	1.074
3	0	0	0	0	0	0	0	1.091
4	0	0	0	0	0	0	0	1.078
5	0	0	0	0	0	0	0	1.083
6	0	0	0	0	0	0	0	1.085
Mean	0	0	0.3	0.3	0	0	0	1.081

¹ Includes growth cracks, knobs and misshapes.

² Includes hollow heart and brown center.

Table 13. Yield and tuber size distribution of CO03276-5RU grown under different management practices, 2012.

Field Number	Total	<4oz	>4oz	>6oz	Yield (cwt/ac)					
					4-16oz	4-10oz	10-16oz	>10 oz	6-16oz	>16oz
1	366	163	203(56) ¹	58(16)	203	203	0	0	58	0
2	502	234	268(53)	114(23)	268	243	25	25	114	0
3	403	194	209(52)	86(21)	209	209	0	0	86	0
4	231	126	105(46)	58(25)	105	105	0	0	58	0
5	458	98	360(79)	209(46)	360	305	55	55	209	0
6	578	104	474(82)	375(65)	474	351	123	123	375	0
Mean	423	153	270(64)	150(35)	270	236	34	34	150	0

¹ Figures in brackets indicate % of total

Table 14. Tuber quality of CO03276-5RU grown under different management practices, 2012.

Field Number	% Growth Cracks	% Knobs	% Misshapes	% External ¹ Defects	% Hollow Heart	% Brown Center	% Internal Defects	Specific Gravity
2	0	0	1.8	1.8	0	0	0	1.079
3	0	0	0	0	0	0	0	1.079
4	0	0	0	0	0	0	0	1.082
5	0	0	0	0	0	0	0	1.084
6	0	0	0	0	0	0	0	1.081
Mean	0	0	0.3	0.3	0	0	0	1.081

¹ Includes growth cracks, knobs and misshapes.

² Includes hollow heart and brown center.

Table 15. Yield and tuber size distribution of CO04220-7RU grown under different management practices, 2012.

Field Number	Total	<4oz	>4oz	>6oz	Yield (cwt/ac)					
					4-16oz	4-10oz	10-16oz	>10 oz	6-16oz	>16oz
1	375	218	157(42) ¹	37(10)	157	157	0	0	37	0
2	508	77	431(85)	298(59)	385	311	74	120	252	46
3	504	163	341(68)	178(35)	341	323	18	18	178	0
4	258	64	194(75)	68(26)	194	172	22	22	68	0
5	529	163	366(69)	215(41)	366	314	52	52	215	0
6	560	105	455(81)	280(50)	455	375	80	80	280	0
Mean	456	132	324(71)	179(39)	316	275	41	49	172	8

¹ Figures in brackets indicate % of total

Table 16. Tuber quality of CO04220-7RU grown under different management practices, 2012.

Field Number	% Growth Cracks	% Knobs	% Misshapes	% External ¹ Defects	% Hollow Heart	% Brown Center	% Internal ² Defects	Specific Gravity
2	2.4	0	0	2.4	2.4	0	2.4	1.077
3	0	0	0	0	0	0	0	1.073
4	0	0	1.2	1.2	0	0	0	1.078
5	0	0	0	0	0	0	0	1.078
6	0	0	0	0	0	0	0	1.079
Mean	0.4	0	0.2	0.6	0.4	0	0.4	1.077

¹ Includes growth cracks, knobs and misshapes.

² Includes hollow heart and brown center.

Table 17. Yield and tuber size distribution of potato cultivars used as checks in grower fields, 2012.

Field # / Variety	Total	< 4oz	> 4oz	>6oz	Yield (cwt/ac)					
					4 - 16oz	4 - 10oz	10 - 16oz	>10oz	6 - 16oz	> 16oz
1/ Rio Grande	363	49	314(87) ¹	215(59)	296	225	71	89	197	18
2/ Nugget	529	61	468(88)	382(72)	443	289	154	179	357	25
3/ Innovator	468	126	342(73)	258(55)	308	237	71	105	224	34
4/ Norkotah (3)	329	55	274(83)	209(64)	274	166	108	108	209	0
5/ Nugget	470	58	412(88)	274(58)	412	329	83	83	274	0
6/ Nugget	489	114	375(77)	215(44)	360	320	40	55	200	15

¹ Figures in brackets indicate % of total

Table 18. Tuber quality of potato cultivars used as checks in grower fields, 2012.

Field #/ Variety	% Growth Cracks	% Knobs	% Misshapes	% External ¹ Defects	% Hollow Heart	% Brown Center	% Internal ² Defects	Specific Gravity
2/ Nugget	0	0	3.5	3.5	0	0	0	1.097
3/ Innovator	0	0	0	0	0	0	0	1.078
4/ Norkotah (3)	0	0	2.8	2.8	0	0	0	1.083
5/ Nugget	0	0	0	0	0	0	0	1.098
6/ Nugget	0	0	0.6	0.6	0	0	0	1.093

¹ Includes growth cracks, knobs and misshapes.

² Includes hollow heart and brown center.

Table 19. Yield and tuber size distribution of Yukon Gold grown under different management practices, 2012.

Field Number	Total	< 4oz	> 4oz	> 6oz	Yield (cwt/ac)					
					4-16oz	4-10oz	10-16oz	>10 oz	6-16oz	> 16oz
1	440	68	372(85) ¹	277(63)	357	225	132	147	262	15
2	461	25	436(95)	381(83)	344	203	141	233	289	92
3	489	117	372(76)	261(53)	372	335	37	37	261	0
4	375	68	307(82)	237(63)	307	224	83	83	237	0
5	563	80	483(86)	363(64)	483	385	98	98	363	0
6	602	52	550(91)	477(79)	467	184	283	366	394	83
Mean	488	68	420(86)	333(68)	388	259	129	161	301	32

¹ Figures in brackets indicate % of total

Table 20. Tuber quality of Yukon Gold grown under different management practices, 2012.

Field Number	% Growth Cracks	% Knobs	% Misshapes	% External ¹ Defects	% Hollow Heart	% Brown Center	% Internal ² Defects	Specific Gravity
2	4	0	0	4	12	0	12	1.082
3	0	1.3	0	1.3	0	0	0	1.076
4	0	0	0	0	0	0	0	1.085
5	0	0	0	0	0	0	0	1.086
6	0	0	0	0	0	0	0	1.084
Mean	0.7	0.2	0	0.9	2	0	2	1.082

¹ Includes growth cracks, knobs and misshapes.

² Includes hollow heart and brown center.

Table 21. Yield and tuber size distribution of CO04013-1W/Y grown under different management practices, 2012.

Field Number	Total	< 4oz	> 4oz	>6oz	Yield (cwt/ac)					
					4-16oz	4-10oz	10-16oz	>10oz	6-16oz	>16oz
1	385	274	111(29) ¹	46(12)	111	111	0	0	46	0
2	514	403	111(22)	0(0)	111	111	0	0	0	0
3	431	394	37(9)	0(0)	37	37	0	0	0	0
4	336	231	105(31)	22(7)	105	105	0	0	22	0
5	446	289	157(35)	22(5)	157	157	0	0	22	0
6	639	344	295(46)	80(13)	295	283	12	12	80	0
Mean	459	323	136(30)	28(6)	136	134	2	2	28	0

¹ Figures in brackets indicate % of total

Table 22. Tuber quality of CO04013-1W/Y grown under different management practices, 2012.

Field Number	% Growth Cracks	% Knobs	% Misshapes	% External ¹ Defects	% Hollow Heart	% Brown Center	% Internal ² Defects	Specific Gravity
2	0	0	0	0	0	0	0	1.098
3	0	0	0	0	0	0	0	1.098
4	0	0	0	0	0	0	0	1.112
5	0	0	0	0	0	0	0	1.107
6	0	0	0	0	0	0	0	1.106
Mean	0	0	0	0	0	0	0	1.102

¹ Includes growth cracks, knobs and misshapes.

² Includes hollow heart and brown center.

Table 23. Yield and tuber size distribution of CO04099-3W/Y grown under different management practices, 2012.

Field Number	Total	< 4oz	> 4oz	>6oz	Yield (cwt/ac)					
					4-16oz	4-10oz	10-16oz	>10oz	6-16oz	>16oz
1	394	289	105(27) ¹	34(9)	105	105	0	0	34	0
2	477	271	206(43)	55(12)	206	206	0	0	55	0
3	264	255	9(3)	0(0)	9	9	0	0	0	0
4	363	188	175(48)	58(16)	175	166	9	9	58	0
5	529	338	191(36)	65(12)	191	191	0	0	65	0
6	550	233	317(58)	105(19)	317	308	9	9	105	0
Mean	430	262	167(39)	53(12)	167	164	3	3	53	0

¹ Figures in brackets indicate % of total

Table 24. Tuber quality of CO04099-3W/Y grown under different management practices, 2012.

Field Number	% Growth Cracks	% Knobs	% Misshapes	% External ¹ Defects	% Hollow Heart	% Brown Center	% Internal ² Defects	Specific Gravity
2	0	0	0	0	0	0	0	1.083
3	1.2	0	0	1.2	0	0	0	1.069
4	0	0	0	0	0	0	0	1.083
5	0	0	0	0	0	0	0	1.092
6	0.6	1.1	1.1	2.8	0	3.4	3.4	1.090
Mean	0.6	0.2	0.2	0.9	0	0.95	0.95	1.084

¹ Includes growth cracks, knobs and misshapes.

² Includes hollow heart and brown center.

Table 25. Yield and tuber size distribution of CO04099-4W/Y grown under different management practices, 2012.

Field Number	Total	< 4oz	> 4oz	>6oz	Yield (cwt/ac)					
					4- 16oz	4 - 10oz	10 -16oz	>10 oz	6 - 16oz	> 16oz
1	372	154	218(59) ¹	80(22)	218	0	0	80	0	
2	255	104	151(59)	89(35)	129	22	22	89	0	
3	394	160	234(59)	95(24)	203	31	31	95	0	
4	351	105	246(70)	108(31)	218	9	28	89	19	
5	498	178	320(64)	151(30)	289	31	31	151	0	
6	634	188	446(70)	271(43)	437	9	9	271	0	
Mean	417	148	269(65)	132(32)	249	17	20	129	3	

¹ Figures in brackets indicate % of total

Table 26. Tuber quality of CO04099-4W/Y grown under different management practices, 2012.

Field Number	% Growth Cracks	% Knobs	% Misshapes	% External ¹ Defects	% Hollow Heart	% Brown Center	% Internal ² Defects	Specific Gravity
2	0	0	0	0	0	0	0	1.098
3	0	0	0	0	0	0	0	1.088
4	5.3	7.0	0	12.3	0	0	0	1.101
5	1.2	0	0	1.2	0	0	0	1.096
6	0	0	1.0	1.0	0	0	0	1.099
Mean	1.1	1.2	0.2	2.4	0	0	0	1.095

¹ Includes growth cracks, knobs and misshapes.

² Includes hollow heart and brown center.

Table 27. Yield and tuber size distribution of CO04029-5W/Y grown under different management practices, 2012.

Field Number	Total	< 4oz	> 4oz	>6oz	Yield (cwt/ac)					
					4- 16oz	4 - 10oz	10 -16oz	>10oz	6 - 16oz	> 16oz
1	532	320	212(40) ¹	43(8)	212	212	0	0	43	0
2	421	227	194(46)	77(18)	194	175	19	19	77	0
3	418	280	138(33)	25(6)	138	138	0	0	25	0
4	292	175	117(40)	40(14)	117	108	9	9	40	0
5	750	335	415(55)	225(30)	381	372	9	43	191	34
6	590	320	270(46)	120(20)	255	243	12	27	105	15
Mean	501	276	224(45)	88(18)	216	208	8	16	80	8

¹ Figures in brackets indicate % of total

Table 28 Tuber quality of CO04029-5W/Y grown under different management practices, 2012.

Field Number	% Growth Cracks	% Knobs	% Misshapes	% External ¹ Defects	% Hollow Heart	% Brown Center	% Internal ² Defects	Specific Gravity
2	0	0	0	0	0	0	0	1.064
3	0	0	0	0	0	0	0	1.066
4	0	0	0	0	0	0	0	1.080
5	0	0.8	0	0.8	0	0	0	1.076
6	0.5	1.6	0	2.1	0	0	0	1.068
Mean	0.1	0.4	0	0.5	0	0	0	1.071

¹ Includes growth cracks, knobs and misshapes.

² Includes hollow heart and brown center.

Table 29. Yield and tuber size distribution of AC03534-2R/Y grown under different management practices, 2012.

Field Number	Total	< 4oz	> 4oz	>6oz	Yield (cwt/ac)					
					4-16oz	4-10oz	10-16oz	>10oz	6-16oz	>16oz
1	418	160	258(62) ¹	191(46)	258	203	55	55	191	0
2	584	166	418(72)	246(42)	403	317	86	101	231	15
3	815	292	523(64)	354(43)	504	449	55	74	335	19
4	428	154	274(64)	141(33)	274	262	12	12	141	0
5	649	184	465(72)	357(55)	449	311	138	154	341	16
6	732	240	492(67)	335(46)	477	409	68	83	320	15
Mean	604	191	405(67)	271(45)	394	325	69	80	260	11

Figures in brackets indicate % of total

Table 30. Tuber quality of AC03534-2R/Y grown under different management practices, 2012.

Field Number	% Growth Cracks	% Knobs	% Misshapes	% External ¹ Defects	% Hollow Heart	% Brown Center	% Internal ² Defects	Specific Gravity
2	2.1	0	0	2.1	0	0	0	1.068
3	0	0	0.8	0.8	0	0	0	1.065
4	0	0	0	0	0	0	0	1.072
5	0	0	0	0	0	0	0	1.069
6	2.1	0	0.4	2.5	0	0	0	1.066
Mean	0.7	0	0.2	0.9	0	0	0	1.067

¹ Includes growth cracks, knobs and misshapes.

² Includes hollow heart and brown center.

Table 31 Yield and tuber size distribution of CO04021-2R/Y grown under different management practices, 2012.

Field Number	Total	< 4oz	> 4oz	>6oz	Yield (cwt/ac)					
					4 - 16oz	4 - 10oz	10 - 16oz	>10 oz	6 - 16oz	> 16oz
1	381	71	310(81) ¹	194(51)	295	230	65	80	179	15
2	723	46	677(94)	560(77)	658	440	218	237	541	19
3	633	55	578(91)	495(78)	563	320	243	258	480	15
4	511	65	446(87)	338(66)	406	329	77	117	298	40
5	563	25	538(96)	483(86)	464	267	197	271	409	74
6	643	52	591(92)	514(80)	474	274	200	317	397	117
Mean	576	52	523(91)	431(75)	477	310	167	213	384	47

¹ Figures in brackets indicate % of total

Table 32. Tuber quality of CO04021-2R/Y grown under different management practices, 2012.

Field Number	% Growth Cracks	% Knobs	% Misshapes	% External ¹ Defects	% Hollow Heart	% Brown Center	% Internal ² Defects	Specific Gravity
2	0	0	0	0	2.6	0	2.6	1.082
3	0	0	0	0	0	2.4	2.4	1.077
4	0	0	0	0	0	0	0	1.095
5	1.6	0	0	1.6	0	0	0	1.091
6	0	0	0	0	3.8	0	3.8	1.085
Mean	0.8	0	0	0.8	1.1	0.4	1.5	1.086

¹ Includes growth cracks, knobs and misshapes.

² Includes hollow heart and brown center.

Table 33. Yield and tuber size distribution of CO04188-4R/Y grown under different management practices, 2012.

Field Number	Total	< 4oz	> 4oz	>6oz	Yield (cwt/ac)					
					4-16oz	4-10oz	10-16oz	>10oz	6-16oz	>16oz
1	390	301	89(23) ¹	6(2)	89	89	0	0	6	0
2	415	234	181(44)	49(12)	181	181	0	0	49	0
3	458	372	86(19)	31(7)	86	86	0	0	31	0
4	320	225	95(30)	55(17)	95	95	0	0	55	0
5	511	311	200(39)	65(13)	200	200	0	0	65	0
6	584	255	329(56)	138(24)	329	329	0	0	138	0
Mean	446	283	163(37)	57(13)	163	163	0	0	57	0

¹ Figures in brackets indicate % of total

Table 34. Tuber quality of CO04188-4R/Y grown under different management practices, 2012.

Field Number	% Growth Cracks	% Knobs	% Misshapes	% External ¹ Defects	% Hollow Heart	% Brown Center	% Internal ² Defects	Specific Gravity
2	0	0	0	0	0	0	0	1.078
3	0	0	0	0	0	0	0	1.078
4	0	0	0	0	2.9	0	2.9	1.088
5	0	0	0	0	0	0	0	1.083
6	0	0	0	0	0	0	0	1.081
Mean	0.8	0	0	0.8	0.5	0	0.5	1.080

¹ Includes growth cracks, knobs and misshapes.

² Includes hollow heart and brown center.

Table 35. Yield and tuber size distribution of CO04067-8R/Y grown under different management practices, 2012.

Field Number	Total	< 4oz	> 4oz	> 6oz	Yield (cwt/ac)					
					4-16oz	4-10oz	10-16oz	>10oz	6-16oz	>16oz
1	394	188	206(52) ¹	74(19)	206	206	0	0	74	0
2	615	292	323(53)	160(26)	323	301	22	22	160	0
3	430	292	138(32)	28(7)	138	138	0	0	28	0
4	311	172	139(45)	28(9)	139	139	0	0	28	0
5	591	212	379(64)	215(36)	379	357	22	22	215	0
6	498	138	360(72)	228(46)	360	317	43	43	228	0
Mean	473	216	258(55)	122(26)	258	243	15	15	122	0

¹ Figures in brackets indicate % of total

Table 36. Tuber quality of CO04067-8R/Y grown under different management practices, 2012.

Field Number	% Growth Cracks	% Knobs	% Misshapes	% External ¹ Defects	% Hollow Heart	% Brown Center	% Internal ² Defects	Specific Gravity
2	3	0	0	3	0	0	0	1.078
3	4.3	0	0	4.3	0	0	0	1.072
4	0	0	0	0	0	0	0	1.081
5	27.9	0	0	27.9	0	0	0	1.079
6	4.9	0	0	4.9	0	0	0	1.075
Mean	8.5	0	0	8.5	0	0	0	1.077

¹ Includes growth cracks, knobs and misshapes.

² Includes hollow heart and brown center.

Table 37. Yield and tuber size distribution of Sangre grown under different management practices, 2012.

Field Number	Total	< 4oz	> 4oz	>6oz	Yield (cwt/ac)					
					4- 16oz	4 - 10oz	10 -16oz	>10 oz	6 - 16oz	>16oz
1	342	74	268(78) ¹	185(54)	246	225	21	43	163	22
2	710	52	658(93)	578(81)	575	351	224	307	495	83
3	646	80	566(88)	477(74)	532	351	181	215	443	34
4	600	55	545(91)	440(73)	545	354	191	191	440	0
5	560	71	489(87)	357(64)	489	378	111	111	357	0
6	655	101	554(85)	443(68)	440	317	123	237	329	114
Mean	586	72	513(88)	413(70)	471	329	142	184	371	42

¹ Figures in brackets indicate % of total

Table 38. Tuber quality of Sangre grown under different management practices, 2012.

Field Number	% Growth Cracks	% Knobs	% Misshapes	% External ¹ Defects	% Hollow Heart	% Brown Center	% Internal ² Defects	Specific Gravity
2	7.4	0	0	7.4	0	0	0	1.079
3	18.6	0	0	18.6	0	0	0	1.077
4	0	0	0	0	0	0	0	1.092
5	4.4	0	0	4.4	0	0	0	1.078
6	8.0	0	0	8.0	0	0	0	1.071
Mean	6.4	0	0	6.4	0	0	0	1.079

¹ Includes growth cracks, knobs and misshapes.

² Includes hollow heart and brown center.

Table 39. Tuber diameter of Sangre grown under different management practices, 2012.

Field Number	< 2ins. dia. ¹	2 – 4ins. dia	> 4ins. dia.	Yield (cwt/ac)		
				> 2ins. dia < 10oz	> 2ins. dia. > 10oz	> 2ins. dia.
1	31	311	0	268	43	311
2	15	695	0	388	307	695
3	31	615	0	400	215	615
4	18	582	0	391	191	582
5	19	541	0	430	111	541
6	46	587	22	372	237	609
Mean	27	555	4	375	184	559

¹ dia. = Diameter

Table 40. Yield and tuber size distribution of CO04159-1R grown under different management practices, 2012.

Field Number	Total	< 4oz	> 4oz	>6oz	Yield (cwt/ac)					
					4-16oz	4-10oz	10-16oz	>10oz	6-16oz	>16oz
1	286	117	169(59) ¹	12(4)	169	0	0	12	0	
2	317	185	132(42)	37(12)	132	0	0	37	0	
3	458	172	286(62)	172(38)	286	43	43	172	0	
4	200	102	98(49)	37(19)	98	0	0	37	0	
5	474	185	289(61)	117(25)	289	0	0	117	0	
6	338	83	255(75)	175(52)	255	52	52	175	0	
Mean	346	141	205(59)	92(27)	205	16	16	92	0	

¹ Figures in brackets indicate % of total

Table 41. Tuber quality of CO04159-1R grown under different management practices, 2012.

Field Number	% Growth Cracks	% Knobs	% Misshapes	% External ¹ Defects	% Hollow Heart	% Brown Center	% Internal ² Defects	Specific Gravity
2	0	0	0	0	0	0	0	1.078
3	4	0	0	4	0	11.4	11.4	1.077
4	0	0	0	0	0	0	0	1.081
5	0	0	1.9	1.9	0	0	0	1.079
6	4.5	0	3.6	8.2	0	7.2	7.2	1.082
Mean	1.4	0	0.9	2.4	0	3.1	3.1	1.079

¹ Includes growth cracks, knobs and misshapes.

² Includes hollow heart and brown center.

Table 42. Tuber diameter of CO04159-1R grown under different management practices, 2012.

Field Number	< 2ins. dia. ¹		2 – 4ins.dia		>4ins. dia.		>2ins. dia <10oz		>2ins. dia. >10oz		>2ins. dia.	
	Yield (cwt/ac)											
1	55	231	0	231	0	231	0	231	0	231	0	231
2	53	264	0	264	0	264	0	264	0	264	0	264
3	80	378	0	378	0	378	43	378	43	378	43	378
4	52	148	0	148	0	148	0	148	0	148	0	148
5	59	415	0	415	0	415	0	415	0	415	0	415
6	49	289	0	289	0	289	52	289	52	289	52	289
Mean	58	288	0	288	0	272	16	272	16	288	16	288

¹ dia. = Diameter

0 0 0 0

0 0 0 0

0 0 0 0