

Table 1. Evaluation of advanced clones for tuber susceptibility to powdery scab, San Luis Valley, Colorado, 2002

Cultivar	Tuber symptoms			Root Gall Rating ^b
	Percent Incidence	Percent Healthy	Severity Index ^a	
1. AC92009-4RU	0.0 f	100.0	0.0 c	0.0 g
2. CO92077-2RU	0.0 f	100.0	0.0 c	0.0 g
3. NDC5281-2R	1.7 ef	98.3	5.0 c	1.3 c-g
4. NDC5372-1RU	0.0 f	100.0	0.0 c	1.5 b-g
5. TC1675-1RU	0.0 f	100.0	0.0 c	0.0 g
6. AC89536-5RU	0.0 f	100.0	0.0 c	1.0 d-g
7. CO85026-4RU	0.0 f	100.0	0.0 c	1.5 b-g
8. CO86218-2R	10.8 bcd	89.2	32.5 b	2.0 a-e
9. CO89097-2R	15.8 b	84.2	34.2 b	1.5 b-g
10. AC87340-2W	0.0 f	100.0	0.0 c	0.3 fg
11. BC0894-2W	3.3 def	96.7	6.7 c	1.5 b-g
12. RUSSET BURBANK	0.0 f	100.0	0.0 c	2.0 a-e
13. DURANGO	2.5 ef	97.5	2.5 c	1.0 d-g
14. SATINA	0.8 ef	99.2	0.8 c	0.5 efg
15. CALRED	0.0 f	100.0	0.0 c	0.5 efg
16. DT6063-1R	27.2 a	72.8	64.5 a	2.6 abc
17. A90586-11	4.4 c-f	95.6	5.6 c	2.0 a-e
18. A84118-3	0.0 f	100.0	0.0 c	0.0 g
19. BANNOCK RUSSET	0.0 f	100.0	0.0 c	0.5 efg
20. GEM RUSSET	1.3 ef	98.7	1.3 c	0.0 g
21. IVORY CRISP	11.3 bc	88.7	16.9 bc	3.3 a
22. ALTURAS	0.0 f	100.0	0.0 c	0.0 g
23. AF1758-7	0.0 f	100.0	0.0 c	0.0 g
24. B0564-8	0.0 f	100.0	0.0 c	1.0 d-g
25. MSG227-2	0.0 f	100.0	0.0 c	0.0 g
26. ATLANTIC	0.0 f	100.0	0.0 c	0.8 d-g
27. SUPERIOR	0.0 f	100.0	0.0 c	2.3 a-d
28. B1240-1	0.0 f	100.0	0.0 c	3.0 ab
29. LIBERATOR	8.1 cde	91.9	8.1 c	1.3 c-g
30. B0766-3	0.6 ef	99.4	0.6 c	2.3 a-d
31. SC8801-2	6.9 c-f	93.1	13.8 c	1.8 a-f
32. RANGER RUSSET	0.0 f	100.0	0.0 c	0.5 efg
LSD(P=0.05)	7.67		17.60	1.54

^aSeverity Index = mean percent of the number of affected tubers, 40 tubers/treatment/replication multiplied by the severity of the lesions, where 1 = not severe and 3 = very severe.

^bRoot Gall Rating = mean percent of plants infected with powdery scab root galls, where 0 = no root galls and 4 = extensive root galls.

Means followed by the same letter are not significantly different at P=0.05.