

Table 1. Evaluation of advanced clones for tuber resistance to powdery scab, San Luis Valley, Colorado, 2001

Cultivar	Tuber symptoms			Root Gall Rating <sup>b</sup>
	Percent Incidence	Percent Healthy	Severity Index <sup>a</sup>	
1. Kennebec	9.1	90.9	9.1	1.3
2. Russet Burbank	0.0	100.0	0.0	1.0
3. AC91014-2RU	0.0	100.0	0.0	0.0
4. AC89536-5RU	0.0	100.0	0.0	0.7
5. AC89653-3W	1.3	98.7	1.3	0.0
6. AC87079-3RU	0.0	100.0	0.0	0.7
7. AC87138-4RU	0.0	100.0	0.0	0.0
8. CO85026-4RU	0.0	100.0	0.0	0.7
9. CO86218-2R	5.3	94.7	10.5	0.0
10. CO89097-2R	0.0	100.0	0.0	0.0
11. AC87340-2W	0.0	100.0	0.0	0.0
12. BC0894-2W	0.0	100.0	0.0	0.0
13. Ida Rose	1.1	98.9	1.1	2.3
14. Cherry Red	33.1	66.9	87.1	0.7

<sup>a</sup>Severity Index = mean percent of the number of affected tubers, 5 plants/treatment/replication multiplied by the severity of the lesions, where 1 = not severe and 5 = very severe.

<sup>b</sup>Root Gall Rating = mean percent of plants infected with powdery scab root galls, where 0 = no root galls and 3 = extensive root galls.

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