

## 2002 PROTOCOL FOR EVALUATION OF ADVANCED CLONES FOR SUSCEPTIBILITY TO POWDERY SCAB

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**Location:** Mike Mitchell's Farm, Monte Vista, CO

**Objective:** To evaluate the susceptibility of advanced potato clones to powdery scab.

**Clones:**

1. AC92009-4RU	17. A90586-11
2. CO92077-2RU	18. A84118-3
3. NDC5281-2R	19. Bannock Russet
4. NDC5372-1RU	20. Gem Russet
5. TC1675-1RU	21. Ivory Crisp
6. AC89536-5RU	22. Alturas
7. CO85026-4RU	23. AF1758-7
8. CO86218-2R	24. B0564-8
9. CO89097-2R	25. MSG227-2
10. AC87340-2W	26. Atlantic
11. BC0894-2W	27. Superior
12. Russet Burbank	28. B1240-1
13. Durango	29. Liberator
14. Satina	30. B0766-3
15. CalRed	31. SC8801-2
16. DT6063-1R	32. Ranger Russet

**Planted:** May 10, 2002

**Plot Design:** Randomized

**Plot Size:** 1 - 10 foot row per treatment per replication

**Plant Spacing:** 12 inches

**Row Spacing:** 34 inches

**Replications:** Four

**Irrigation:** Center pivot sprinkler, rate based on ET

**Fertilizer:** 60N-140P-0K-43S preplant, 95N-15S topdress

**Herbicide:** Eptam 7E, 4.5 pt./A + Sencor DF, 0.25 lb./A

**Insecticide:** Asana XL, 8 oz./A

**Fungicide:** Dithane DF, 1.5 lb./A + Quadris, 6.2 oz./A

**Vine Killer:** Reglone on August 16, 2002

**Harvested:** September 17, 2002

### DATA

**Disease:** Galls on roots rated 0 to 4, 0 = none, 4 = heavily infected, readings taken August 1. Mean percent of the number of tubers showing one or more powdery scab lesions at harvest multiplied by the severity of the lesions, where 1 = not severe and 5 = very severe.