

Research Proposal for 1986

Rob Davidson

- 1) To finish the work started in 1983 dealing with the timing of leafroll spread in the San Luis Valley, aphid vector identification and their relative numbers and the potential resistance to leafroll infection demonstrated in Centennial Russet.
- 2) To continue the leafroll evaluation program on the new numbered lines. In-field inoculations with viruliferous aphids and the subsequent grow out of the daughter tubers in Oceanside, Ca. and the San Luis Valley will be utilized. Also, a field plot to examine natural in-field spread of leafroll to these clones and other cultivars and their potential resistance to this spread will be included.
- 3) To begin studies with Bacterial Ring Rot and the symptom expression in potatoes as related to early season stress conditions. (There is no funding requested through the Potato Administrative Committee for this project--this is for your information).

Budget Request

Labor	\$800.00
Supplies (ELISA)	\$200.00
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Total request (1986)	\$1000.00