

Zink/Davidson	<p>Potato Disease Control</p> <p>Fungicide efficacy trials: early blight, pink rot, seed piece decay, <i>Rhizoctonia</i>, powdery scab</p> <p>Disease screening of advanced clones; PLRV, PVY, BRR (Western Regional Trials), storage diseases (<i>Alternaria</i>, <i>Fusarium</i>, <i>Erwinia</i>)</p> <p>Powdery scab; chemical trials, cultural controls, germplasm resistance (national trials)</p> <p>Evaluating new and emerging disease threats</p>
Dillon	<p>Using Biocontrol Crops to Enhance Potato Production</p> <p>Green manure, winter rye, sorghum sudan, etc. for control and management of <i>Verticillium</i> and CRKN</p>
Holm	<p>Cultivar Development Program</p> <p>New cultivar development</p> <p>Basic seed source increase for testing and seed increase</p> <p>Evaluate promising selections for seed export</p> <p>Big push to work on broader market range of product including specialty potatoes and incorporate resistance into germplasm prior to horticultural screening; includes powdery scab, <i>Erwinia</i>, <i>Fusarium</i>, nematode, PVY, etc.</p> <p>Push to work with adjunct programs for better evaluation of diseases, germplasm resistance, nutritive value, production characteristics, etc.</p>
Stushnoff	<p>Improving Value-added Health Attributes of Colorado Potatoes</p> <p>Evaluate and understand factors which affect vitamin content (especially Vit. C) and antioxidants including genetic, environment, production and storage</p> <p>Evaluate stability of vitamins and antioxidants after cooking</p>
Zink/Ingham	<p>Biology and Management of CRKN in the San Luis Valley</p> <p>Chemical controls; timing and efficacy of Vydate and Telone II</p> <p>Levels of CRKN necessary for treatment in SLV</p> <p>Control status over years after fumigation or treatment in-season with Vydate</p>
Essah	<p>Potato Physiology Studies</p> <p>Cultivar development program; yield performance of new clones under various management practices, storability characteristics, dormancy, development of cultivar specific management sheets</p> <p>Controlling dormancy factors through green sprouting, chemical control, etc.</p> <p>Physiological basis for differences in yield, quality, etc.</p>

Vivanco

Late Blight Resistance and Root Exudate Studies
Plant chemical controls for late blight
Rosemarenic Acid (root exudate)

2004/05 funding from CPAC \$166,100

2004/05 funding from other sources \$150,000
(ARS, CSREES, PVP)