

# CURRICULUM VITAE

## NAME

Holm, David G

## ADDRESS

0249 East Road 9 North, Center, CO 81125  
Office/Lab

## PHONE

(719) 754-3594

## EDUCATION

1977 Ph D, University of Minnesota

1974 MS, University of Idaho

1972 BS, University of Idaho

## OTHER POSITIONS

1996 - Present Professor, CSU - San Luis Valley Research Center.

1982 - Present Potato Breeding and Selection Project Leader, CSU - San Luis Valley Research Center.

1983 - 1997 Superintendent, CSU - San Luis Valley Research Center.

1992 - 1996 Associate Professor, CSU - San Luis Valley Research Center.

1978 - 1992 Assistant Professor, CSU - San Luis Valley Research Center.

1982 - 1983 Acting Superintendent, CSU - San Luis Valley Research Center.

1977 - 1978 Junior Scientist, University of Minnesota.

1974 - 1977 Research Assistant, University of Minnesota - Department of Horticultural Science.

1972 - 1974 Graduate Assistant, University of Idaho - Department of Plant and Soil Science.

## PUBLISHED WORKS

### **Refereed Journal Articles**

Alta Crown: A new russet potato cultivar with resistance to common scab and a low incidence of tuber deformities. *Amer J Potato Res*, 88, 72-81.

AmaRosa, a red skinned, red fleshed fingerling with high phytonutrient value. *Am J Potato Res*, 89, 249-254.

Century Russet. *Am J Potato Res*, 77, 161-165.

Clonal Selection in the Sangre Cultivar. *Am Potato J*, 62, 430-431.

Combined effects of storage and processing on the bioactive compounds and pro-apoptotic properties of color-fleshed potatoes in human colon cancer cells. *J Agric Food Chem*, 60, 11088-11096.

Effects of cooking methods on polyphenols, pigments and antioxidant activity in potato tubers. *LWT - Food Science and Technology*, 45, 61-171.

Flavonoid profiling and transcriptome analysis reveals new gene-metabolite correlations in tubers of *Solanum tuberosum* L. *J Exp Bot*, 61, 1225-1238.

Frontier Russet - a New Potato Variety for Early Fresh and Processing Use with Resistance to Fusarium Dry Rot. *Am Potato J*, 68, 525-532.

Functional food characteristics of potato cultivars (*Solanum tuberosum* L). *J Food Compos Anal*, 22, 571-576.

Gemchip - a New Potato Variety with Chipping Quality and Verticillium Resistance for the Western United-States. *Am Potato J*, 68, 461-466.

Gibberellic acid and ethephon alter potato minituber bud dormancy and improve seed tuber yield. *Amer J Potato Res*, 88, 167-174.

Influence of storage temperature and time in storage on pigment content of potato (*Solanum tuberosum* L). *Hortscience*, 41, 1014-1014.

Potato Clone Variation in Blackspot and Soft Rot Susceptibility, Redox Potential, Ascorbic-Acid, Dry-Matter and Potassium. *Am Potato J*, 61, 723-733.

Purification of an isoform of patatin with antimicrobial activity against *Phytophthora infestans*. *Plant Physiol Bioch*, 42, 647-655.

Pyrosequencing Reveals a Highly Diverse and Cultivar-Specific Bacterial Endophyte Community in Potato Roots. *Microb Ecol*, 60, 157-166.

Ranger Russet - a Long Russet Potato Variety for Processing and Fresh-Market with Improved Quality, Disease Resistance, and Yield. *Am Potato J*, 69, 483-488.

Russet Legend. *Am J Potato Res*, 77, 77-81.

Russet Nugget - a Fresh-Market and Processing Potato Cultivar with Resistance to Common Scab. *Am Potato J*, 69, 331-336.

Sangre - an Oval, High-Quality Red Potato. *Am Potato J*, 59, 435-437.

Sangre Selection Studies, Selection and Comparative Trials. *Am Potato J*, 65, 21-26.

Selecting Potato Clones for Nutrient-Use Efficiency. *Am Potato J*, 58, 503-503.

Selenium and sulfur content and activity of associated enzymes in selected potato germplasm. *Am J Potato Res*, 89, 111-120.

Storage elevates phenolic content and antioxidant activity but suppresses antiproliferative and pro-apoptotic properties of colored-flesh potatoes against human colon cancer cell lines. *J Agric Food Chem*, 59, 8155-8166.

Timed color changes among raw and baked potato varieties. *J Food Process Pres*, 22, 333-344.

TX1523-1Ru/Y aka sierra Gold (TM). *Am J Potato Res*, 82, 369-377.

- Use of Antitranspirants to Maximize Potato Yields under Water-Stress Conditions. *Am Potato J*, 57, 481-481.
- Ute Russet - an Oblong Russet Potato Cultivar with Resistance to Leafroll Net Necrosis and Sclerotium-Rolfsii. *Am Potato J*, 64, 559-562.
- Zuber, T., Holm, D. G., Byrne, P. F., Ducreux, L., Taylor, M., Kaiser, M., Stushnoff, C. (2014). Optimization of in vitro inhibition of HT-29 colon cancer cell cultures by *Solanum tuberosum* L. extracts. *Food and Function*. DOI: 10.1039/c4fo00649f
- Perla, V., Jayanty, S. S., Holm, D. G., Davidson, R. D. (2013). Relationship between tuber storage proteins and tuber powdery scab resistance in potato. *AJPR*, DOI 10.1007/s12230-13-9343-y; 13pp..
- Kalita, D., Jayanty, S. S., Holm, D. G. (2013). Role of polyphenols in acrylamide formation in the fried products of potato tubers with colored flesh. *Food Research International*, 54, 753-759.
- Jayanty, S. S., Perla, V., Holm, D. G. (2012). Effects of cooking methods on polyphenols, pigments and antioxidant activity in potato tubers. *LWT- Food Science and Technology*, 45, 161-171.
- Perla, V., Holm, D. G., Jayanty, S. S. (2012). Selenium and sulfur content and activity of associated enzymes in selected potato germplasm. *American Journal of Potato Research*, 89(2), 111-120.
- Perla, V., Holm, D. G., Jayanty, S. S. (2011). Effects of cooking methods on polyphenols, pigments and antioxidant activity in Potato Tubers. *LWT Food Science and Technology*, 45, 161-171.

### **Refereed Proceedings or Transactions**

- Kalita, D., Jayanty, S. S., Holm, D. G. (2013). *Analysis of Acrylamide formation in selected potato germplasm* (vol. 90, pp. 136). American Journal of Potato Research.

### **Non-Refereed Journal Articles**

- Stone, M. B., Amer, F., Reddivari, L., Madiwale, G., Holm, D. G., Vanamala, J. (2014). Effect of genotype and storage on glycoalkaloids and acrylamide content and sensory attributes of potato chips. *American J of Potato Research*.
- Stone, M. B., Madiwale, G. P., Reddivari, L., Holm, D. G., Vanamala, J. (2012). Combined effects of storage and processing on the bioactive compounds and pro-apoptotic properties of color-fleshed potatoes in human colon cancer cells. *J Agricultural and Food Chemistry*.
- 2009 *Potato Breeding and Selection Research Report*. San Luis Valley Research Center Committee and the Colorado Potato Administrative Committees (Area II and III) 131pp.
- 2010 *Potato Breeding and Selection Research Report*. San Luis Valley Research Center Committee and the Colorado Potato Administrative Committees (Area II and III) unpub.
- 2011 *Potato Breeding and Selection Research Report*. San Luis Valley Research Center Committee and the Colorado Potato Administrative Committees (Area II and III) 134pp (unpub).
- (in press). *Analysis of acrylamide formation in selected potato germplasm* (vol. 90). Am J Potato Res.

- (in press). *Characterization of carotenoid content in potato germplasm utilized by the Colorado potato breeding*

- and selection program* (vol. 90). Am J Potato Res.
- Colorado Advanced Potato Selections Data Summary*. Report for the 2011 Open House and Clonal Evaluation Meeting 54pp (Unpub).
- Colorado Advanced Potato Selections Data Summary*. Report for the 2012 Open House and Clonal Evaluation Meeting 55pp (Unpub).
- Colorado Advanced Potato Selections Data Summary*. Report for the 2010 Clonal Evaluation Meeting 53pp.
- (in press). *Cultivar improvements for powdery scab resistance in the Colorado cultivar development program* (vol. 90). Am J Potato Res.
- Effect of storage and processing on colored potato functional compounds and their sensory attributes*. IFT-USDA Project Directors Meeting, July 16-20, Chicago, IL.
- (in press). *Evaluation of the type and amount of dietary fiber in a collection of potato germplasm* (vol. 90). Am J Potato Res.
- Interactive effects of compost tea, fungicide application, and nitrogen rate on the performance of two potato cultivars* (vol. 87, pp. 121). Am J Potato Res.
- Maximizing nitrogen use efficiency for optimum tuber yield and quality of a new Colorado potato cultivar* (vol. 89, pp. 34). Am J Potato Res.
- Optimizing nitrogen fertilizer application and plant population for maximum tuber yield and quality in Mesa Russet, a new Colorado cultivar* (vol. 88, pp. 37). Amer J Potato Res.
- Potato breeding and cultivar development in the Southwest* (vol. 88, pp. 45). Amer J Potato Res.
- (in press). *Purple-fleshed potatoes retain anti-cancer properties in vitro even after prolonged storage and processing* (vol. 90). Am J Potato Res.
- Response of a russet potato cultivar to phosphorus and seed spacing management* (vol. 87, pp. 121-122). Am J Potato Res.
- Response of potato to potassium fertilizer source and form of application in the San Luis Valley of Colorado* (vol. 88, pp. 37). Amer J Potato Res.
- Seed size and seed reconditioning influences field emergence, tuber yield, and quality of potato*. Electronic Conference Proceedings (Abstracts), World Potato Congress, Edinburgh, Scotland, United Kingdom, May.
- (in press). *Selenium and sulfur in colorado potato germplasm* (vol. 90). Am J Potato Res.
- (in press). *Storage effect on glycoalkaloid and acrylamide content in potato chips is genotype dependent and these toxicants negatively correlate with consumer preference* (vol. 90). Am J Potato Res.
- Volatile compounds analysis in colorado potato cultivars and advanced selections using solid phase micro extraction technique (SPME)* (vol. 89, pp. 39). Am J Potato Res.
- (in press). *Whole solanum tuberosum L tubers provide a protective matrix effect that stabilizes antiproliferative inhibitory metabolites from thermal degradation, and retains inhibitory properties against HT-29 colon cancer cells in vitro* (vol. 90). Am J Potato Res.

## **Abstract**

Essah, S. Y., Holm, D. G., Stromberger, M. E., Kammlade, S. M. *The influence of agromanagement on potato mineral nutrients*. Potato Association of America.

Larson, K., Jayanty, S. S., Holm, D. G., Reddivari, L. (2013). *Characterization of carotenoid content in potato germplasm utilized by the Colorado potato breeding and selection program* (vol. 90, pp. 138). American Journal of Potato Research.

Perla, V., Jayanty, S. S., Holm, D. G., Davidson, R. D. (2013). *The role of lipoxygenase and patatin-lipase in powdery scab disease tolerance in potato tubers..* Potato Association of America.

## **CE Report/Bulletin/Factsheet**

Davidson, R. D., Holm, D. G., Essah, S. Y., Jayanty, S. S. (2014). *Seven cultivar management sheets*. Extension sheet for potato growers.

## **Magazine/Trade Publication**

Essah, S. Y., Holm, D. G., Davidson, R. D., Jayanty, S. S. (2013). *Mesa Russet: General characteristics and management*. Monte Vista, CO: Colorado Potato Administrative Committee.

## **Web Development**

Essah, S. Y., Holm, D. G., Jayanty, S. S. (2014). *Colorado State University potato program*, <http://potatoes.colostate.edu>. Colorado State University.

## **PAPERS PRESENTED/SYMPOSIA/INVITED LECTURES/PROFESSIONAL MEETINGS/WORKSHOPS**

August 2014, "Timing of nitrogen fertilizer application for increased N Use efficiency in potato production", Annual Meeting of the Potato Association of America, Potato Association of America, (Presenter) Essah, S. Y., Spokane, Washington.

2012, "David G. Holm and Caroline Gray; The Chronicles of Purple Majesty: A CSU Developed Potato Cultivar; Fort Collins, Colorado, Extension Forum, November 8, 2012."

2012, "David G. Holm; The Colorado Potato Breeding and Selection Program: Looking to the Future; Southern Rocky Mountain Ag Conference; Monte Vista, Colorado; February 7, 2012."

2011, "David G. Holm; Specialty Potatoes: Considerations for Your Operation; Southern Rocky Mountain Ag Conference; Monte Vista, Colorado; February 8, 2011."

2010, "David G. Holm and Fahrettin Goktepe; The Colorado Potato Breeding and Selection Program; Colorado State

University - Research Center  
Conference; January 5, 2010."

2010, "David G. Holm; The Colorado Potato  
Breeding and Selection Program -  
Presentation for the Adams State  
College Rural Sociology Class; San  
Luis Valley Research Center; April 14,  
2010."

2010, "David G. Holm; 2000 Research Progress  
Report - Potato Breeding and Selection  
for Colorado - The Colorado Potato  
Administrative Committee - Area II  
Potato Breeding and Selection for  
Colorado; Colorado State University;  
March 5, 2010."

2010, "David G. Holm; Considerations for  
Managing New Potato Cultivars;  
Southern Rocky Mountain Ag Conference;  
Monte Vista, Colorado; February 9, 2010."

2010, "David G. Holm; Developing New Specialty  
Potato Cultivars for Colorado; Colorado  
Agriculture Big and Small, Adams County  
Regional Park; February 25, 2010."

2010, "David G. Holm; The Colorado Potato  
Breeding and Selection Program; CSU  
Alumni Night Out, Fort Collins; April  
7, 2010."

2010, "David G. Holm; The Colorado Potato  
Research and Extension Program;  
Colorado State University - Special  
Meeting with Cesar Paredes and Jose  
Zenozain; August 10, 2010."

2010, "David G. Holm; The Colorado Potato  
Research and Extension Program;  
Colorado State University - Special  
Meeting with Jose Zenozain; February 2,  
2010."

#### **OTHER ACTIVITIES/ACCOMPLISHMENTS – PUBLICATIONS/SCHOLARLY RECORD**

Essah, S. Y., Holm, D. G., Davidson, R. D. "Contributed to the release of three potato cultivars," Licensed to:  
Colorado State University. (Submitted: 2014, Application: 2014, Approved: 2014).

Holm, D. G., Davidson, R. D. "Fortress Russet," Licensed to: CCGPA. (Submitted: 2014, Approved: 2014).

Holm, D. G., Davidson, R. D. "Midnight Moon," Licensed to: CCPGA. (Submitted: 2014, Approved: 2014).

Holm, D. G., Davidson, R. D. "Red Luna," Licensed to: CCPGA. (Submitted: 2014, Approved: 2014).

Holm, D. G., Davidson, R. D. "Crestone Russet - Plant Variety Application approved," Licensed to: CCPGA. (Submitted: 2013, Application: 2013, Approved: 2014, Licensed: 2014).

Holm, D. G., Davidson, R. D. "Masquerade - Plant Variety Protection Approved," Licensed to: CCGPA. (Submitted: 2013, Application: 2013, Approved: 2014, Licensed: 2014).

Holm, D. G., Davidson, R. D. "Mercury Russet - Plant Variety Protection approved," Licensed to: CCPGA. (Submitted: 2013, Application: 2013, Approved: 2014, Licensed: 2014).

Essah, S. Y., Holm, D. G., Davidson, R. D. "Contributed to the release of three potato cultivars. They are, Mercury Russet, Red Luna." (Submitted: 2013, Application: 2013, Approved: 2013).

"2012 UPDATE: A key component of the Colorado Potato Breeding and Selection Program is the prerelease evaluation of advanced selections by growers, shippers, processors, and research/extension personnel. These materials are evaluated for production, adaptability, marketability, and other characteristics. This is a key element of the Colorado program. Seventy advanced selections were saved and will be increased in 2013 pending results of ongoing evaluations. Advanced selections evaluated in the Southwest Regional Trials, Western Regional Trials, or by Colorado producers in 2012, included 12 russets (CO04211-4RU, CO04220-7RU, CO04233-1RU, AC00395-2RU, CO03187-1RU, CO03202-1RU, CO03276-4RU, CO03276-5RU, AC99375-1RU, CO99053-3RU, CO99053-4RU, and CO99100-1RU), 4 reds (CO04159-1R, CO00291-5R, CO99076-6R, and CO99256-2R), 11 chippers (AC00206-2W, AC03452-2W, AC01151-5W, AC03433-1W, CO02024-9W, CO02033-1W, CO02321-4W, CO03243-3W, CO00188-4W, CO00197-3W, and CO00270-7W), and 22 specialties (AC03534-2R/Y, CO04029-5W/Y, CO04067-8R/Y, CO04099-3W/Y, CO04099-4W/Y, CO04188-4R/Y, CO04056-3P/PW, CO04063-4R/R, CO03134-4RF/RW, CO04021-2R/Y, CO04013-1W/Y, CO97226-2R/R, CO97232-2R/Y, CO97222-1R/R, CO97227-2P/PW, AC99329-7PW/Y, AC99330-1P/Y, CO99045-1W/Y, ATC00293-1W/Y, CO00405-1RF, CO00412-5W/Y, and CO00415-1RF). Several selections are being considered for exclusive release. Selections to be named are AC99329-7PW/Y (Masquerade), CO99053-3RU (Crestone Russet), CO99100-1RU (name to be determined). Plant Variety Protection was granted to Canela Russet, Colorado Rose, and Rio Colorado in 2012.." (Submitted: 2012, Application: 2012, Approved: 2012, Licensed: 2012).

"Plant Variety Protection was applied for Mesa Russet," Licensed to: Colorado Certified Potato Growers' Association. (Submitted: 2012, Application: 2012, Approved: 2012, Licensed: 2012).

"Plant Variety Protection was granted for Canela Russet," Licensed to: Colorado Certified Potato Growers' Association. (Submitted: 2012, Application: 2012, Approved: 2012, Licensed: 2012).

"Plant Variety Protection was granted for Mountain Rose," Licensed to: Colorado Certified Potato Growers' Association. (Submitted: 2012, Application: 2012, Approved: 2012, Licensed: 2012).

"Plant Variety Protection was granted for Rio Colorado," Licensed to: Colorado Certified Potato Growers'

Association. (Submitted: 2012, Application: 2012, Approved: 2012, Licensed: 2012).

Holm, D. G., Davidson, R. D. "Mesa Russet - Plant Variety Protection approved," Licensed to: CCPGA. (Submitted: 2011, Application: 2012, Approved: 2012, Licensed: 2012).

Holm, D. G., Davidson, R. D. "Mountain Rose - Plant Variety Protection approved," Licensed to: CCPGA. (Submitted: 2010, Application: 2010, Approved: 2012, Licensed: 2012).

"2011 UPDATE: A key component of the Colorado Potato Breeding and Selection Program is the prerelease evaluation of advanced selections by growers, shippers, processors, and research/extension personnel. These materials are evaluated for production, adaptability, marketability, and other characteristics. This is a key element of the Colorado program. Seventy advanced selections were saved and will be increased in 2012 pending results of ongoing evaluations. Advanced selections evaluated in the Southwest Regional Trials, Western Regional Trials, or by Colorado producers in 2011, included 10 russets (AC99375-1RU, AC00395-2RU, CO97087-2RU, CO99053-3RU, CO99053-4RU, CO99100-1RU, CO03187-1RU, CO03202-1RU, CO03276-4RU, and CO03276-5RU), 4 reds (CO98012-5R, CO99076-6R, CO99256-2R, and CO00291-5R), 9 chippers (AC01151-5W, AC03433-1W, CO95051-7W, CO00188-4W, CO00197-3W, CO00270-7W, CO02024-9W, CO02033-1W, and CO02321-4W), and 15 specialties (ATC00293 -1W/Y, AC99329-7PW/Y, AC99330-1P/Y, CO97222-1R/R, CO97226-2R/R, CO97232-1R/Y, CO97232-2R/Y, CO00412-5W/Y, CO01399-10P/Y, CO03027-2R/R, CO03094-5RF/RW, CO04021-2R/Y, CO04013-1W/Y, CO04117-5PW/Y, and CO04045-4P/P). Current plans are to name AC99329-7PW/Y, CO99053-3RU, CO99100-1RU, CO95051-7W in 2012. Plant Variety Protection was granted to Rio Colorado in 2011.." (Submitted: 2011, Application: 2011, Approved: 2011, Licensed: 2011).

Holm, D. G., Davidson, R. D. "Canela Russet - Plant Variety Protection approved," Licensed to: CCPGA. (Submitted: 2010, Application: 2010, Approved: 2011, Licensed: 2011).

"2010 UPDATE: A key component of the Colorado Potato Breeding and Selection Program is the prerelease evaluation of advanced selections by growers, shippers, processors, and research/extension personnel. These materials are evaluated for production, adaptability, marketability, and other characteristics. This is a key element of the Colorado program. Advanced selections evaluated in the Southwest Regional Trials, Western Regional Trials, or by Colorado producers in 2010, included 6 russets (AC99375-1RU, CO97087-2RU, CO98067-7RU, CO99053-3RU, CO99053-4RU, and CO99100-1RU), 2 reds (CO99076-6R and CO99256-2R), 9 chippers (AC01151-5W, CO95051-7W, CO97043-14W, CO00188-4W, CO00197-3W, CO00270-7W, CO02024-9W, CO02033-1W, and CO02321-4W), and 8 specialties (AC97521-1R/Y, AC99329 - 7PW/Y, ATC00293 -1 W/Y, CO97226-2R/R, CO97232-2R/Y, CO00412-5W/Y, CO01399-10P/Y, TC02072-3P/P). An additional 12 selections are being considered for exclusive release. Included in this group is CO95051-7W. Since the WR Regional Chip Trials it has undergone extensive testing in the USPB/SFA Chip Trials and the USPB Fast Track program. This round white selection has excellent chip color after long term storage.." (Submitted: 2010, Application: 2010, Approved: 2010, Licensed: 2010).

"Plant Variety Protection was granted for Colorado Rose.," Licensed to: Colorado Certified Potato Growers' Association. (Submitted: 2010, Application: 2010, Approved: 2010, Licensed: 2010).

"Plant Variety Protection was granted for Purple Majesty.," Licensed to: Colorado Certified Potato Growers' Association. (Submitted: 2010, Application: 2010, Approved: 2010, Licensed: 2010).

"Plant Variety Protection was granted for Rio Grande Russet.," Licensed to: Colorado Certified Potato Growers' Association. (Submitted: 2010, Application: 2010, Approved: 2010, Licensed: 2010).

"Plant Variety Protection was granted for Silverton Russet.," Licensed to: Colorado Certified Potato Growers' Association. (Submitted: 2008, Application: 2008, Approved: 2008, Licensed: 2008).

"Plant Variety Protection was granted to Keystone Russet.," Licensed to: Colorado Certified Potato Growers'



Association. (Submitted: 2008, Application: 2008, Approved: 2008, Licensed: 2008).

"Plant Variety Protection was granted for Russet Norkotah Selection 3.," Licensed to: Colorado Certified Potato Growers' Association. (Submitted: 2001, Application: 2001, Approved: 2001, Licensed: 2001).

"Plant Variety Protection was granted for Russet Norkotah Selection 8.," Licensed to: Colorado Certified Potato Growers' Association. (Submitted: 2001, Application: 2001, Approved: 2001, Licensed: 2001).

(2010). Qualified Supervisor Pesticide Appl.

## **TEACHING:**

<u>Year</u>	<u>Semester</u>	<u>Course No./Title</u>	<u>Cr. Hrs.</u>	<u>Enrollment</u>
2015	Fall	HORT698 - Research	18	17
2015	Spring	HORT699 - Thesis	18	3
2014	Fall	HORT698 - Research	18	12
2014	Spring	HORT698 - Research	18	10
2014	Spring	HORT699 - Thesis	18	4
2013	Fall	HORT699 - Thesis	18	4
2013	Spring	HORT698 - Research	18	13
2012	Spring	HORT698 - Research	18	14

## **COMMITTEES**

## **PROFESSIONAL AFFILIATIONS AND ACTIVITIES**

American Society for Horticultural Science.

European Association for Potato Research.

The Potato Association of America.

Member, Advancement in Rank and Tenure Committee.

Member, Advisory Committee.

Agriculture.

American Journal of Potato Research.

American Journal of Potato Research.

American Journal of Potato Research.

American Journal of Potato Research.  
American Journal of Potato Research.  
Member, American Society for Horticultural Science.  
Member, Code Committee.  
College of Agricultural Sciences, Center, CO.  
Colorado Certified Potato Growers' Association - PVP Committee.  
Member, Cultivar Release Committee.  
Member, European Association for Potato Research.  
Journal of the American Society of Horticultural Science.  
Committee Chair, NRSP-6 (United States Potato Genbank) Technical Advisory Committee.  
Plant Variety Protection Office Potato Working Group.  
Potato Association of American, Denver, CO.  
Provided potato tubers for the CAS STEMpalooza booth in Denver (10/8-9/10).  
Member, San Luis Valley Research Center Program Committee.  
Member, Southwest Regional Potato Cultivar Development Working Group.  
Member, The Potato Association of America.  
WERA027, Denver, CO.  
WERA027 (Western Coordinating Committee for Potato Variety Development).

**OTHER ACTIVITIES/ACCOMPLISHMENTS – SERVICE/OUTREACH**

Colorado State Forest Service - Alamosa.  
Colorado State Science Fair.  
Colorado State Science Fair.  
Colorado State Science Fair.  
San Luis Valley Regional Science Fair.  
San Luis Valley Regional Science Fair.  
San Luis Valley Regional Science Fair.

\*\*\*\*\*