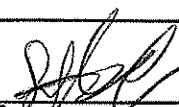

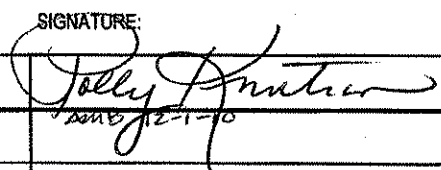


COVER SHEET FOR GRANT PROPOSALS

State Board of Education

SBOE PROPOSAL NUMBER: (to be assigned by SBOE)		AMOUNT REQUESTED: \$49,770	
TITLE OF PROPOSED PROJECT: Enhancing Propagation Capability to Accelerate the Commercialization of Domesticated Native Plants			
SPECIFIC PROJECT FOCUS: The objective of this project is to facilitate the transference of domesticated native plant germoplasm from UI to the Idaho nursery industry. Specifically, funds will be used to establish breeder and foundation seed production facilities.			
PROJECT START DATE: 17 Feb 2011		PROJECT END DATE: 30 Jun 2011	
NAME OF INSTITUTION: University of Idaho, College of Agricultural and Life Sciences		DEPARTMENT: Aberdeen R & E Center	
ADDRESS: 1693 S 2700 W, Aberdeen, ID 83210			
		E-MAIL ADDRESS: slope@uidaho.edu	PI PHONE NUMBER: 208-397-4181
NAME:		TITLE:	SIGNATURE: 
PROJECT DIRECTOR	Stephen L. Love	Professor	
CO-PRINCIPAL INVESTIGATOR			
CO-PRINCIPAL INVESTIGATOR	2		
CO-PRINCIPAL INVESTIGATOR			
NAME:		SIGNATURE:	
Authorized Organizational Representative	Polly Knutson		

**Enhancing Propagation Capability to Accelerate the Commercialization of
Domesticated Native Plants**
A Project of the University of Idaho's College of Agricultural and Life Sciences (CALs)

Executive Summary:

Researchers at the University of Idaho's (UI) Aberdeen R & E Center have developed a unique and valuable pool of domesticated native plant materials for use in the nursery and landscape industry. This technology is ready for exploitation. The University of Idaho's Office of Technology Transfer is negotiating a contract with a viable partnering company to market an initial offering of native plant products. The industry partner, Conservation Seeding and Restoration, Inc. (CSR) is proposing a spin-off subsidiary company called "Native Roots, LLC" to market native plants for landscaping purposes.

The single most significant barrier to commercialization is lack of an intact system for transferring adequate quantities of propagation material (mostly seed) to CSR. The need is to establish productive Breeder and Foundation seed blocks, and enhance seed cleaning and handling capabilities. For all publicly produced plant varieties, the university is responsible for producing early generation propagation material in the form of Breeder and Foundation seed. Greater quantities of high quality seed will translate to an accelerated rate of technology adoption.

This technology consists of unique and valuable domesticated native plant germplasm selected specifically for the Idaho nursery and landscape industry. These native plant materials are designed to fill emerging market needs driven by increased public desire for environmental stewardship and water conservation. If germplasm transfer can be streamlined to create market products, current market trends identified by CSR, Inc and defined in market analysis developed by students at the University of Idaho, show potential gross income in a range of \$500K to 1M in the first two years of business. Over the course of the following five years, a potential expansion could result in a \$10-15M market.

Department of Defense Readiness Level for this technology is considered 8-9 (i.e.

system/subsystem development to launch and operations).

“Gap” Project Objectives and Total Amount Requested:

The objective of this project is to enhance the transference of domesticated native plant germplasm from UI to the Idaho nursery industry, with two specific sub-objectives:

1. Develop a “breeder” seed production and increase system to facilitate the transfer of valuable germplasm from the University of Idaho to a private partner nurseryman. (Breeder seed is the original, principle source of propagation material for plant varieties.)
2. Establish a public/private cooperative “foundation” seed production system that is compatible with product improvement and preparation for product sales. (Foundation seed is the second generation of propagation material used for commercialization of new plant varieties.)

Total SBOE funding request: \$49,770

Name of the Idaho Public Institution:

University of Idaho, College of Agriculture and Life Sciences (CALs)

Name of the Faculty Member (PI) Directing the Project:

Dr. Stephen L. Love (see abbreviated CV, Appendix 4)

Resource Commitment/Institutional Priorities:

The mission of the University of Idaho is to, “...serve students, business and industry, the professions and public sector groups throughout the state and nation as well as diverse and special constituencies. The university has specific responsibilities in research and extension related to its land-grant function. The CALs mission is to, “advance the health and welfare of people, animals and the environment through research and education in agriculture, community, human and rural development, natural resources, nutrition and the life sciences.

This project, which extends a land grant based horticultural research program into the private sector, is intertwined with all aspects of UI and CALs missions. It will provide direct service and

improved profitability to the Idaho nursery industry, improve rural development in places where this industry resides, and increase environmental stewardship in the state.

Impact on Idaho's Economy:

The production and distribution of native plant products through a partner-sponsored subsidiary called "Native Roots" will have positive short- and long-term, direct and indirect economic impacts within the state of Idaho. From the outset, direct sales of goods plus the licensing and marketing of the research and products created under the Native Roots umbrella, as such, will provide direct income plus a vigorous and viable tax stream for the state of Idaho.

- Development of Native Roots products for branding and distribution will provide an immediate and certain opportunity for a licensing nursery in the Magic Valley.
- Development of a line of products proprietary to Idaho's nurseries will impact target markets, including in-state retailers and adjoining inter-mountain region markets.
- An immediate consequence of establishing the Native Roots product line and brand will be local work force development in the Magic Valley, including no less than 10 full-time, fully-benefited jobs, and as many as 25 seasonal labor positions.
- The development of a local source for increasing and distributing the unique plant materials husbanded by the University of Idaho provides for an immediate increase in the tax base in the Magic Valley, largely through capital expenditures.
- Many products will have appeal and utility beyond Idaho state boundaries. These will be marketed through the Grown in Idaho and the Idaho Preferred programs.

Partnerships/Company Creation:

The University of Idaho's Office of Technology Transfer is negotiating a contract for this technology with a Kimberly, Idaho company, Conservation Seeding & Restoration, Inc. (CSR). CSR executives propose to spin off a subsidiary to capitalize on native plant products for the landscape industry and plan to call the new company "Native Roots, LLC".

Market Opportunity:

Need: The American marketplace is being remodeled by public concern over environmental stewardship (the “green” movement). The result is expanding opportunities for marketing new concepts in landscape design, installation, and maintenance. When combined with present and future economics of water consumption – short supply and rising cost - coupled with projected continuing growth and development in the western United States – the situation creates a real need for an altered plant pallet. An updated pallet must offer the traditional appearances and familiarity while satisfying environmental concerns. Ultimately, the need is for an assortment of attractive, high quality native plants that perform in a consistent, uniform manner.

Applications and Markets: Demand for native plants is currently being driven by pioneering landscape professionals employing design concepts founded upon the following principles:

- Wise water use within developed landscapes.
- Landscaping designed to create harmony between developed and natural areas.
- Landscaping that encourages wildlife to inhabit developed areas.

In creating this native plant technology, plants were selected for the following attributes: drought tolerance; cold tolerance; striking foliage, branching, and/or seeds; clear or unusually-colored blooms; long bloom period; striking fall color; compactness, a naturally kempt habit; non-invasiveness; and appropriateness to a western landscape. As a result, Native Roots plants will be innately adapted to their environment. They are aimed at altering the choices available to consumers of landscape plants. As a company, Native Roots will thrive in the marketplace because these plants raise the bar beyond attractive to practical + attractive.

Native Roots will artfully resolve real issues in landscaping, using natural products. The product lines will allow customers to align an extraordinary set of landscaping needs, e.g. lower water use and preservation of familiar urban/suburban American landscaping styles, while improving upon our ability to blend development into western wildlands. In today’s “green” market climate, the demand for this concept can only grow.

Audience, Competition, Barriers to Market Entry: Initially the end consumer for “Native Roots” products is the homeowner purchasing through landscape garden centers, landscapers,

and landscape architects. Ultimately, the target markets for “Native Roots” include large retailers - the number one, two and three largest sellers of plants in the U.S - Home Depot, Lowe’s, and Wal-Mart. However, smaller retailers, garden centers, and companies that serve as seasonal garden centers historically adopt new plants and offer the fastest entry into the marketplace.

Current market trends identified by CSR, Inc and detailed market analysis of University of Idaho students show potential gross income in a range of \$500K to 1M in the first two years of business. Over the course of the following five years, a potential expansion could result in a \$10-15M market. The greatest obstacle to successful market development is the time required to expand small quantities of breeder seed to levels that will allow market impact.

Currently, competition in this marketplace includes all retailers in the traditional plant market. The barriers for market entry are quite low, but include the lack of shelf space available to a new, unproven plant pallet. It is important to note that the retailers are asking for this type of product and making available space on shelves in an attempt to market native plants. CSR, Inc., the parent company of “Native Roots”, is currently selling to and successfully marketing a native plant pallet, one that is much less predictable to the end consumer. Native Roots being the next iteration of native, market resistance is expected to be low.

The most critical barrier to marketing the native plant palette will be lack of familiarity with the plant materials being sold (impacting both market recognition and applied landscape maintenance practices). A forward education program will be necessary to ensure consumer satisfaction and product success on the ground.

The Technology:

The technology consists of intellectual property in the form of domesticated and improved native plants. According to plan, 25 to 30 plant products will initially be exploited by Native Roots (See Appendix 1). In time, additional selections and species will be transferred upon partner request as the domestication process continues.

The plants that make up this technology are unique and extremely valuable. They have been

subjected to limited improvement strategies which result in unique and distinct plant germplasm with value far greater than plants derived from wild-collected seed. No other source of improved native plants – suitable for landscape use and adapted to Idaho’s climates and soils – is available. See photographs in Appendix 2.

Commercialization Partners:

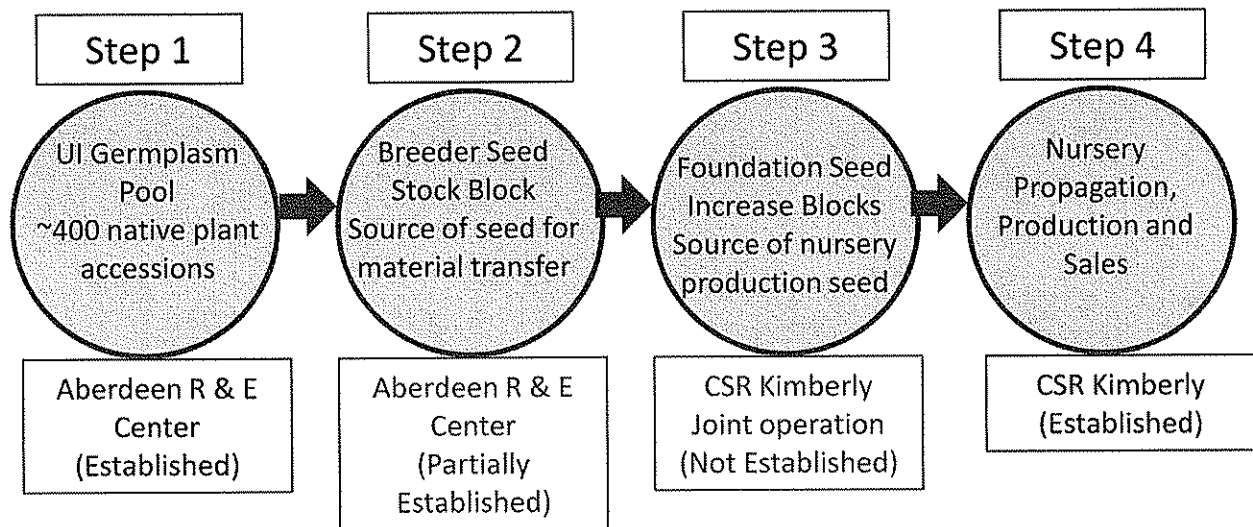
Conservation Seeding and Restoration, Inc. of Kimberly, Idaho is the partner of choice for marketing UI native plant products. CSR is a profitable native plant nursery with separate divisions for wildland restoration, nursery sales, and landscape design. Led by owner Steven Paulsen, CSR has been in operation since 2003 and is one of the most successful and profitable native plant nurseries in Idaho. CSR proposes to spin off a subsidiary company specifically designed to market improved native plants for the landscape industry. The new company will be called “Native Roots, LLC”.

Among its employees, CSR has a unique range of expertise, including native plant propagators, native plant marketers, and native plant landscape designers/installers. CSR is in a unique position to aggressively market the improved native plants being developed at the Aberdeen R & E Center.

Project Plan/Detailed Use of Funds:

There exists one critical barrier to successful transference of this technology from UI to Native Roots, namely the ability to produce high quality breeder and foundation seed. Without these two seed increase phases, inadequate seed will be available for commercialization to proceed (Figure 1). At UI, seed production systems for agronomic crops (wheat, barley, potatoes, etc.) are institutionalized. University breeders produce and maintain breeder seed of released varieties and research centers grow and sell foundation seed to the agricultural industry.

Figure 1. Gap procedures for transfer of native plant material from UI to CSR.



Due to large numbers of prospective products, limited UI resources, and the need for relatively small quantities of foundation seed, this native plant technology does not fit the typical seed production/certification model. Very limited quantities of experimental seed are the natural by-product of the research. From this seed, breeder seed production is being initiated at the Aberdeen R & E Center. However, limited land facilities and lack of personnel prohibit the production of foundation seed at the Aberdeen R & E Center. In its role as partner, Native Roots will participate in and assist with foundation seed production at their new production nursery in Kimberly, Idaho.

The foundation seed block will be critical for the final steps of product improvement by UI researchers. Plants in the foundation seed block will be subjected to the final phases of selection and improvement and the block will be a jointly operated segment of the partnership. In summary, under the UI-Native Roots partnership, new germplasm development (step 1) and production of breeder seed (step 2) will be conducted by UI researchers at Aberdeen. Production of foundation seed (step 3), located at the Native Roots production nursery in Kimberly will be a joint UI, Native Roots operation. Nursery propagation, production, and sales (step 4) will be the sole responsibility of Native Roots.

Some native plants will be propagated vegetatively through cuttings and divisions. These will

also be maintained in breeder stock blocks and new materials transferred to CSR as rooted plantlets. These will be established at Kimberly in cutting blocks to supply vegetative material for increase and marketing activities. A propagation mist chamber is needed at Aberdeen to facilitate the transfer of vegetatively propagated native plant species.

Funding from this grant is to be used to bridge the seed-related technology transfer barrier by completing the following tasks and improvements:

- Installation of weed barrier fabric and drip irrigation in breeder seed stock block.
- Purchase of seed cleaning equipment for use in managing breeder seed increases.
- Installation of an irrigation system at the Kimberly product improvement plot/foundation seed stock block.

Education and Outreach:

The University of Idaho native plant domestication project has provided unique educational opportunities for students and the general public, including:

- The initial business concept and plan for “Native Roots” was developed by a team of UI and Washington State University students. This plan was presented at several regional competitions and subsequently adopted by CSR.
- High school and undergraduate students provide summer labor for the project, thereby advancing their knowledge in biological and agricultural sciences. One high school student made the determination to seek a degree in horticulture based on experience with the project.
- Continuous educational efforts are made through outreach programs with intent to teach homeowners and land managers concepts and techniques of landscaping for water conservation. Information transfer has been through field days, demonstration gardens, web sites, and publications.

SUMMARY PROPOSAL BUDGET

Name of Institution: University of Idaho, College of Agricultural and Life Sciences

Name of Project Director: Stephen L. Love

A. FACULTY AND STAFF

Name/ Title	Rate of Pay	No. of Months			Dollar Amount Requested
		CAL	ACA	SUM	
Thomas Salaiz/ Support Scientist	\$47,200	3			\$11,800
% OF TOTAL BUDGET:	25%	SUBTOTAL:			\$11,800

B. VISITING PROFESSORS

Name/ Title	Rate of Pay	No. of Months			Dollar Amount Requested
		CAL	ACA	SUM	
% OF TOTAL BUDGET:		SUBTOTAL:			

C. POST DOCTORAL ASSOCIATES / OTHER PROFESSIONALS

Name/ Title	Rate of Pay	No. of Months			Dollar Amount Requested
		CAL	ACA	SUM	
% OF TOTAL BUDGET:		SUBTOTAL:			

D. GRADUATE / UNDERGRADUATE STUDENTS


Name/ Title	Rate of Pay	No. of Months			Dollar Amount Requested
		CAL	ACA	SUM	
% OF TOTAL BUDGET:		SUBTOTAL:			

E. FRINGE BENEFITS		
Rate of Pay (%)	Salary Base	Dollar Amount Requested
39%	\$47,200	\$4,600
SUBTOTAL:		\$4,600

F. EQUIPMENT: (List each item with a cost in excess of \$1000.00.)		Dollar Amount Requested
Item/Description		
Seed cleaning equipment – Office Tester and Cleaner		\$2,750
Seed cleaning equipment – South Dakota Seed Blower		\$1,425
Seed cleaning equipment - Hammermill		\$4,990
Mulch layer (for installing weed barrier fabric)		\$1,795
Irrigation pump		\$7,500
Irrigation pipe, valves, filters, application heads		\$10,900
SUBTOTAL:		\$29,360

G. TRAVEL:						
Dates of Travel (from/to)	No. of Persons	Total Days	Transportation	Lodging	Per Diem	Dollar Amount Requested
2010 - 3 day trips to Kimberly, ID, spring	2	3	\$350		\$60	\$410
SUBTOTAL:						\$410

H. Participant Support Costs:		Dollar Amount Requested
1. Stipends		
2. Travel (other than listed in section G)		
3. Subsistence		
4. Other		
SUBTOTAL:		

I. Other Direct Costs:	Dollar Amount Requested
1. Materials and Supplies (weed barrier fabric, seed cleaning supplies, parts for a mist chamber)	\$3,600
2. Publication Costs/Page Charges	
3. Consultant Services (Include Travel Expenses)	
4. Computer Services	
5. Subcontracts	
6. Other (specify nature & breakdown if over \$1000)	
SUBTOTAL:	\$3,600
J. Total Costs: (Add subtotals, sections A through I)	TOTAL: \$49,770
K. Amount Requested:	TOTAL: \$49,700
Project Director's Signature: 	Date: 30 Nov 10

INSTITUTIONAL AND OTHER SECTOR SUPPORT

(add additional pages as necessary)

A. INSTITUTIONAL / OTHER SECTOR DOLLARS

Source / Description

Amount

Source / Description	Amount

B. FACULTY / STAFF POSITIONS

Description

PI, Support Scientist, and Aberdeen R&E Center clerical and farm staff.

C. CAPITAL EQUIPMENT

Description

Aberdeen R & E Center farm equipment (tractors, cultivation tools, sprayers, etc.) and

Aberdeen R & E Center irrigation equipment.

D. FACILITIES & INSTRUMENTATION

Description

PI and Support Scientist office space; greenhouse facilities for stock plant production;

field space and all related support facilities for plant maintenance and seed production;

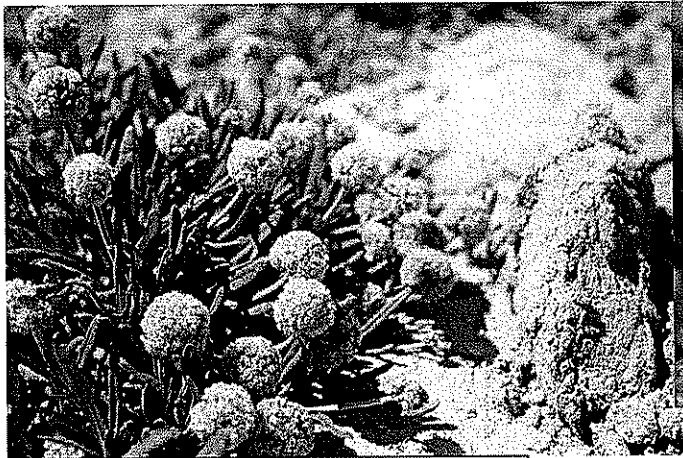
sufficient laboratory space to install and operate seed cleaning equipment; and

storage facilities for supplies, equipment, and seed.

Appendix 1. Native plant species/products proposed for initial transfer to the partner company.

Common Name	Scientific Name	Code	Characteristics
Egg-leaf penstemon	<i>Penstemon ovatus</i>	Pn542	Blue flowers, long bloom period
Beardlip penstemon	<i>Penstemon barbatus</i>	Pn441	Red flowers, late summer bloom, tall
Venus penstemon	<i>Penstemon venustus</i>	Pn532	Purple flowers, very showy
Pine-leaf penstemon	<i>Penstemon pinifolius</i>	Pn463	Red flowers, short, long bloom period
Desert penstemon	<i>Penstemon pseudospectabilis</i>	Pn628	Pink flowers, long bloom period
Cardinal penstemon	<i>Penstemon cardinalis</i>	Pn615	Dark red flowers, tall plant
Sulfurflower buckwheat	<i>Eriogonum umbellatum</i>	Bw319	Yellow flowers, evergreen
Lacy buckwheat	<i>Eriogonum corymbosum</i>	Bw357	White flowers, late summer bloom
Oval-leaf buckwheat	<i>Eriogonum ovalifolium</i>	Bw329	Pink-red flowers, groundcover habit
James buckwheat	<i>Eriogonum jamesii</i>	Bw245	Yellow flowers, very long bloom period
Wyeth's buckwheat	<i>Eriogonum heracleoides</i>	Bw301	White flowers, large flower clusters
Short-stem buckwheat	<i>Eriogonum brevicaulis</i>	Bw358	Yellow flowers, summer-long bloom
Cusick's hyssop	<i>Agastache cusickii</i>	Gh143	Light pink flowers, dwarf mint
Beebalm	<i>Monarda menthaefolia</i>	Gh115	Large purple flowers, reddish leaves
Sunset hyssop	<i>Agastache rupestris</i>	Gh146	Orange/purple flowers, late summer
Giant purple sage	<i>Salvia pachyphyllus</i>	Ps33	Dark purple flowers, fragrant foliage
Blueleaf columbine	<i>Aquilegia scopulorum</i>	Cb39	Blue flowers, dwarf, blue leaves
Western red columbine	<i>Aquilegia Formosa</i>	Cb51	Red/yellow flowers, tall
Desert columbine	<i>Aquilegia desertorum</i>	Cb71	Red flowers, long bloom period
Mat globemallow	<i>Sphaeralcea caespitosa</i>	Gm101	Orange flowers, groundcover habit
Blanketflower	<i>Gaillardia aristata</i>	Ad175	Red sunflowers, long bloom period
Sundancer daisy	<i>Hymenoxys acaulis</i>	Ad178	Bright yellow daisies, long bloom
Longfin evening primrose	<i>Oenothera brachycarpa</i>	Ot95	Large yellow flowers, daytime bloom
Serviceberry	<i>Amelanchier alnifolia</i>	Sv12	Dwarf, bright orange fall color
Oak-leaf sumac	<i>Rhus trilobata</i>	Sq3	Weeping habit, yellow-orange fall color
Rabbitbrush	<i>Ericameria nauseosa</i>	Rb22	Silver foliage, yellow fall flowers, dwarf

Appendix 2. Photographic Examples of Product-Ready Native Plants



Short-stem buckwheat



Blue-leaf columbine



Sundancer daisy



Lacy buckwheat



Big purple sage



Desert beardtongue

Appendix 3: Facilities and Equipment

The Aberdeen R & E Center is a premier site for agricultural research in southeastern Idaho. The center has all facilities needed to complete this research project, including:

Office facilities and equipment for the PI and technical personnel

Laboratory facilities (including space to set up seed cleaning equipment)

Allocated greenhouse facilities

Allocated field space with access to irrigation

Equipment for routine field work (tractors, tilling equipment, sprayers, harvesters, etc.)

Fabrication shop and personnel with expertise to build specialized equipment

Storage space for equipment and seed

Farm support staff assigned to routine field maintenance duties

Clerical support staff

The partner company, Conservation Seeding and Restoration, Inc. is a highly successful nursery with many years of experience in marketing native plant products. CSR has established facilities for completing the production and marketing activities of the project, including:

Land for production activities (including a new farm for the Native Roots subsidiary)

Greenhouse facilities and propagation equipment

A retail marketing facility

Storage and handling facilities for native plant seed

Personnel with expertise in propagation, native plant landscape design, and native plant sales

Appendix 4: Biographical Sketch

Curriculum Vitae – Stephen L. Love

Education and Training

- 1980 B.S., Brigham Young University, Provo, UT
- 1984 Ph.D., Clemson University, Clemson, SC

Research and Professional Experience

- 2005-present, Team Leader, Commercial and Consumer Horticulture Team, University of Idaho
- 2000-present, Superintendent of the Aberdeen R & E Center, University of Idaho
- 1998-present, Research and Extension Professor of Horticulture, Department of Plant, Soil, and Entomological Sciences, University of Idaho
- 1993-98, Associate Research Professor of Crop Science, Department of Plant, Soil, and Entomological Sciences, University of Idaho
- 1985-93, Assistant Research Professor of Crop Science, Department of Plant, Soil, and Entomological Sciences, University of Idaho
- 1984-85, Post-Doctoral Research Associate, Department of Horticulture, Clemson University, Clemson, South Carolina
- 1981-84, Research Assistant, Department of Horticulture, Clemson University, Clemson, South Carolina

Professional Activities, Honors and Awards

- Technology Transfer Award, Federal Consortium for Technology Transfer, 2002
- Outstanding Paper Award, Potato Association of America, 1998
- President's Certificate of Appreciation, Potato Association of America, 1997
- Certificate of Appointment, Plant Variety Protection Board, 1995
- State Team Award, Epsilon Sigma Phi, 1991

Grants Received

Since 2000, a total of 79 grants have been acquired totaling \$2,883,017. Granting agencies include federal, state, and private entities. Current funding support includes:

- Evaluation of Native and Adapted plants for Landscape Use, Stephen L. Love, \$10,920, 2009, Idaho Department of Agriculture Nursery and Florists Grant Program.
- Evaluation of Native and Traditional Turfgrass Species for Low-maintenance Lawns, Thomas Salaiz and Stephen L. Love, \$5,050, 2009, Idaho Department of Agriculture Nursery and Florists Grant Program.
- Native sod production. Thomas Salaiz, Stephen Love, Paul Johnson. \$12,000, 2009. USDA/CSREES.
- Turfgrass management and insect control.. Thomas Salaiz and Stephen L. Love. \$3,000, 2009, United States Golf Association.
- Studies on Billbug Control, Thomas Salaiz and Stephen L Love, \$12,500, 2009, DuPont Crop Protection, Valent USA Corp., Bayer Environmental Science, Syngenta
- Tree insect control. Thomas Salaiz and Stephen L Love, \$1,000, 2009, Bayer Corp.
- Selection and Breeding of Native and Adapted Plant Varieties for Sustainable Southern Idaho Landscapes, Stephen L. Love, \$2,520, 2009, Hatch Funds.
- Living on the Land Stewardship Education Program, Kevin Laughlin, Cinda Williams, Mike Thornton, Others, \$157,019 over four years, spending authority, \$30,000, 2006-2009, USDA/SARE Program.

Pertinent Refereed Publications

- Broderick, SR, MR Stevens, B Geary, SL Love, EN Jellen, RB Dockter, SL Daley and DT Lindgren. 2010. A survey of *Penstemon*'s genome size. Genome (in press).
- Love, SL, K Noble. and J Robbins. 2009. Short-Season/High-Altitude Gardening and Landscaping: Landscaping with Native Plants. UI Bulletin No. 862.
- Love, S., T Salaiz, and M Stevens. 2009. Bear River Range native seed collection excursions. Sage Notes INPS 31:1, 5-7.
- Love, SL. 2009. Methods for cleaning penstemon seed. Bull Amer Penstemon Soc 68:89-92.
- Love SL and T McCammon. 2008. Native wildflower seed collection in the Seven Devils of West-Central Idaho. Sage Notes INPS 30: 1, 5-6.

Appendix 5: Letter of Support from Partner Company

Coming, will be included at the time of submission



December 2, 2010

To Whom It May Concern:

"Restoring the West one native plant at a time."

Seems simple enough. Plant native plants back where they belong. Why? Because we believe for the West to continue to develop and thrive, we must ask less of its finite resources.

Ten years ago when Conservation Seeding, and Restoration, Inc., was founded, the concept of restoring native plants into areas of the West altered by development seemed odd, perhaps, to all but those involved in extracting the vast resources of the West, and to a number of individuals looking toward a sustainable future.

Today, we at CSR, Inc. know we no longer represent a fraction of a minority. Today we find that people from all walks of life understand the wisdom of our vision.

Fortunately for us all, at about the same time CSR began native restoration work, Dr. Stephen Love and the University of Idaho began developing plants selected from the wild that were designed to fill the needs of the modern West, and more importantly, the demands of the West in the future.

The work being done on native plants at the U of I is extremely exciting and important to us at CSR, Inc., as it aligns perfectly with our past, present, and future business direction. Already, we have laid much of the infrastructure and groundwork necessary to meet the anticipated demand for these types of native plant products. By assisting in furthering the development of Dr. Love's technical innovations, we recognize the opportunity to cut the development time of products intended for that market quite significantly.

Students at the University of Idaho have measured the potential demand, in the foreseeable future, for plants serving the native market at 10-15M.

We agree that those sales figures are attainable within the next five to ten years. Right now, we grow native plant material from seeds and cuttings we collect from our own stock, and we also collect from public and private lands in Idaho and surrounding states (properly permitted, of course). We ship our inventory to nurseries based in suburban markets throughout the state, and to a chain of ranch supply stores in the northwest. The products we sell represent only what nature has to offer – warts and all. The work currently being done at the University of Idaho has far greater appeal and value.

Idaho

506 Center Street West
Kimberly, ID 83341
Phone: (208) 423-4835
Fax: (208) 423-4808

Wyoming

79 Winston Drive
Suite 103
Rock Springs, WY 82901
Phone: (307) 352-2985
Fax: (307) 352-3666

Toll free: (877) 423-4835
www.csr-inc.com

Demand for our products continues to grow. However, interest in new introductions of native plants suited to western developed landscapes is greater still. Dr. Love has found and stewarded products precisely aimed at where we, and many in the nursery and greenhouse industry, believe the future of horticulture and landscaping lies - low cost sustainability found best in select native plants. Particularly in the West, we can no longer afford to design and maintain landscapes predicated on western European ideals that are centuries old. We need a new palette that serves more than just aesthetics.

To successfully enter the cluttered markets of landscaping and gardening, we need the opportunity to create a brand with enough impact to gain the attention of consumers.

Students from the University of Idaho have dubbed the brand as the "Native Roots" line. We think that an excellent start that can be readily sold. All we need is the product.

To obtain the needed product, we must first increase Dr. Love's stock base from a handful of seeds into a quantity of starter plants sufficient to serve all of the nurseries in and surrounding Idaho - and beyond. In our estimation, several of Dr. Love's selections will have utility and appeal nationwide. To develop a stock base large enough to serve potential demand, will require significant investment in time and money. In nature, there is no substitute for time. We all know how that translates in the world of business.

We believe Dr. Love's work to be strong enough to alter how we garden and landscape in the West. To go further, we believe Dr. Love's work to be strong enough to alter how we live. The people of Idaho, the State of Idaho, and the University of Idaho stand to be the ones to benefit the most. We ask only for the opportunity to further the process, and look forward to the opportunity.

Sincerely,

A handwritten signature in black ink, appearing to read 'S. Paulsen', with a long horizontal flourish extending to the right.

Steven R. Paulsen
Owner/General Manager
Conservation Seeding & Restoration, Inc.

Appendix 6: Full PI CV

CURRICULUM VITAE University of Idaho

NAME: Love, Stephen L.

DATE: November 2, 2009

RANK OR TITLE: Research Professor of Crop Science

DEPARTMENT: Plant, Soil, and Entomological Sciences

OFFICE LOCATION: Aberdeen R & E Center
1693 S. 2700 W.
Aberdeen, ID 83210

OFFICE PHONE: (208) 397-4181
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DATE OF FIRST EMPLOYMENT AT UI: April 1, 1985

DATE OF TENURE: April 23, 2001

DATE OF PRESENT RANK OR TITLE: July 1, 1998

EDUCATION BEYOND HIGH SCHOOL:

Ph.D., Plant Physiology, 1984, Clemson University
B.S., Horticulture, 1980, Brigham Young University

EXPERIENCE:

Teaching and Research Appointments:

1998-present, Research Professor of Crop Science, Department of Plant, Soil, and Entomological Sciences, University of Idaho
1993-98, Associate Research Professor of Crop Science, Department of Plant, Soil, and Entomological Sciences, University of Idaho
1985-93, Assistant Research Professor of Crop Science, Department of Plant, Soil, and Entomological Sciences, University of Idaho
1984-85, Post-Doctoral Research Associate, Department of Horticulture, Clemson University, Clemson, South Carolina
1981-84, Research Assistant, Department of Horticulture, Clemson University, Clemson, South Carolina

Academic Administrative Appointments:

2000-present, Superintendent, Aberdeen R&E Center, University of Idaho

TEACHING ACCOMPLISHMENTS:

Courses Taught:

PlSc 490/590, Potato Science, Fall 1999, Fall 2001
PlSc 404/504, Vegetable Crops, Fall 2000, Fall 2004, Fall 2006, Fall 2008
PlSc 302, SportsTurf, Fall 2005 (Assisting T. Salaiz)
PlSc 502, Potato Cropping Systems (taught 2 lectures for Brian Hopkins)

Students Advised:

Graduate Student Activity:

Member of Graduate Student Faculty, 1991-present
Research advisor to Larry Turgoose - completed a Ph.D. in Education Administration in 1996.

Research advisor to Randy Lewis in cooperative M.S. program with Brigham Young University.
Completed thesis in 1988.

Graduate Committee Chair:

Thomas Salaiz, PhD (starting January 2009)
Donghan Khu, Ph.D., May 2006.
Asunta Thompson-Johns, Ph.D. (co-advisor with Robert Dwelle), June 1998.
Kurt Manrique-Klinge, Ph.D. (co-advisor with Jack Brown), February 1998.
Timothy Herrmann, Ph.D. (co-advisor with Robert Dwelle), March 1992.
Khaliq Zaman, M.S., December 1990.

Courses Developed:

Compressed video course in Vegetable Crops, PISc 404/504
Compressed video course in Potato Science, PISc 490/590

SCHOLARSHIP ACCOMPLISHMENTS:

Potato Variety Releases:

Highland Russet. Released in 2008, jointly with the USDA-ARS and the experiment stations of Oregon and Washington.
Premier Russet. Released in 2006, jointly with the USDA-ARS and the experiment stations of Oregon and Washington.
Blazer Russet. Released in 2005, jointly with the USDA-ARS and the experiment stations of Oregon and Washington.
GemStar Russet. Released in 2004, jointly with the USDA-ARS and the experiment stations of Oregon and Washington.
Western Russet. Released in 2003, jointly with the USDA-ARS and the experiment stations of Oregon and Washington.
Defender. Released in 2003, jointly with the USDA-ARS and the experiment stations of Oregon and Washington.
Summit Russet. Released in 2002, jointly with the USDA-ARS and the experiment stations of Oregon and Washington.
Alturas. Released in 2001, jointly with the USDA-ARS and the Experiment Stations of Oregon and Washington.
Ivory Crisp. Released 2001, jointly with the USDA-ARS and the Experiment Stations of North Dakota, Oregon and Washington.
Gem Russet. Released in 2000, jointly with the USDA-ARS and the Experiment Stations of Colorado, Oregon, and Washington.
IdaRose. Released in 2000, jointly with the USDA-ARS and the Experiment Stations of Colorado, Oregon and Washington.
Bannock Russet. Released in 1999, jointly with the USDA-ARS and the Experiment Stations of Oregon and Washington.

Refereed Publications:

Books:

Stark, J.C. and S.L. Love. 2003. Potato Production Systems. University of Idaho Agricultural Communications, Moscow, Idaho.

Book Chapters:

Love, S.L. and S. Parkinson. 2009. Principles of Vegetable Culture. Idaho Master Gardener Handbook.
Love, S.L., J.C. Stark and J.F. Guenther. 2003. The origin of potato production systems. In J.C. Stark and S.L. Love (Eds.), Potato Production Systems. University of Idaho Agricultural Communications, Moscow, Idaho.
Love, S.L., R. Novy, D.L. Corsini, and P. Bain. 2003. Variety selection and management. In J.C. Stark

- and S.L. Love (Eds.), *Potato Production Systems*. University of Idaho Agricultural Communications, Moscow, Idaho.
- Love, S.L., P. Nolte, D.L. Corsini, J.C. Whitmore, L.L. Ewing, and J.L. Whitworth. 2003. Seed production and certification. In J.C. Stark and S.L. Love (Eds.), *Potato Production Systems*. University of Idaho Agricultural Communications, Moscow, Idaho.
- Bohl, W.H., N. Olsen, S.L. Love and P. Nolte. 2003. Seed and planting management. In J.C. Stark and S.L. Love (Eds.), *Potato Production Systems*. University of Idaho Agricultural Communications, Moscow, Idaho.
- Stark, J.C. and S.L. Love. 2003. Tuber quality. In J.C. Stark and S.L. Love (Eds.), *Potato Production Systems*. University of Idaho Agricultural Communications, Moscow, Idaho.

Journals:

- Stark, J.C., R.G. Novy, J.L. Whitworth, S.L. Love, D.L. Corsini, J.J. Pavek, M.I. Vales, S.R. James, D.C. Hane, B.A. Charlton, C.R. Brown, N.R. Knowles, M.J. Pavek, T.L. Brandt, and N. Olsen. 2009. Highland Russet: A full season, processing variety with high yields of uniform U.S. No. 1 tubers. *Amer. J. Potato Res* 86:171-182.
- Love, S.L. and J.J. Pavek. 2008. Positioning the potato as a primary food source of vitamin C. *Amer J Potato Res* 85:277-285.
- Thompson, A.L., S.L. Love, J.R. Sowokinos, M.K. Thornton and C.C. Shock. 2008. Review of the sugar end disorder in potato. *Amer J Potato Res* 85:375-386.
- Stark, J.C., R.G. Novy, S.L. Love, J.L. Whitworth, D.L. Corsini, J.J. Pavek, A.R. Mosley, M.J. Pavek, N.R. Knowles, R.E. Thornton, S.R. James, D.C. Hane, N. Olsen, M.I. Vales, and C.R. Brown. 2007. Blazer Russet: an early to mid-season potato cultivar with high US No 1 yields and good processing and culinary quality. *Amer J Potato Res* 84:447-458.
- Novy, R.G., J.L. Whitworth, J.C. Stark, S.L. Love, D.L. Corsini, J.J. Pavek, M.I. Vales, S.R. James, D.C. Hane, C.C. Shock, B.A. Charlton, C.R. Brown, N.R. Knowles, M.J. Pavek, T.L. Brandt, and N. Olsen. 2008. Premier Russet; a dual-purpose, potato cultivar with significant resistance to low temperature sweetening during long-term storage. *Amer J Potato Res* 85:198-209.
- Khu, D.M., J. Lorenzen, C.A. Hackett, and S.L. Love. 2007. Interval mapping of quantitative trait loci for corky ringspot disease resistance in a tetraploid population of potato (*Solanum tuberosum* subsp. *tuberosum*). *Amer J Potato Res*. (In Press).
- Mosley, A.R., S. Yilma, D.C. Hane, S.R. James, K.A. Rykbost, C.C. Shock, S.L. Love, D.L. Corsini, J.J. Pavek, R.E. Thornton, B.A. Charlton, E.P. Eldredge, R.G. Novy, M.J. Pavek, N.R. Knowles, J.L. Whitworth, C.R. Brown, J.C. Stark, and M.I. Vales. 2007. Willamette: A chipping cultivar with high yield and specific gravity, low incidence of hollow heart and brown center, and suitability for fresh market usage. *Amer. J Potato Res* (In Press).
- Li, K.K., E.J. Park, H.S. Lee, D.M. Khu, S.L. Love, and H.T. Lim. 2006. Evaluation of potato varieties with high antioxidant activities by measuring phenolic acids in different tuber parts. *Horticulture, Environment, and Biotechno.* 47:126-131.
- Bohl, W.H. and S.L. Love. 2005. Effect of planting depth and hilling practices on total, US No. 1, and field greening tuber yields. *Amer J Potato Res* 82:441-450.
- Love, S.L., R.G. Novy, J. Whitworth, D.L. Corsini, J.J. Pavek, A.R. Mosley, R.E. Thornton, N.R. Knowles, S.R. James, and D.C. Hane. 2005. Summit Russet: a new russet potato variety with good fresh market and frozen processing qualities. *Amer. J Potato Res* 82:425-432.
- Love, S.L., R.G. Novy, J. Whitworth, D.L. Corsini, J.J. Pavek, A.R. Mosley, M.J. Pavek, N.R. Knowles, C.R. Brown, S.R. James, and D.C. Hane. 2006. Western Russet: A new potato variety with excellent fresh market and frozen-fried processing quality and field resistance to common scab and PVY. *Amer J Potato Res* 83:161-169.
- Love, S.L., R.G. Novy, J. Whitworth, D.L. Corsini, J.J. Pavek, A.R. Mosley, M.J. Pavek, N.R. Knowles, C.R. Brown, S.R. James, D.C. Hane, and J.C. Miller. 2006. GemStar Russet: a potato variety with high yield, good culinary quality, excellent fresh market appearance, and resistance to common scab. *Amer J Potato Res* 83:171-180.
- Brown, C.R., H. Mojtahedi, S. James, R.G. Novy, and S.L. Love. 2006. Development and evaluation of potato breeding lines with introgressed resistance to Columbia root-knot nematode (*Meloidogyne chitwoodi*). *Amer J Potato Res* 83:1-8.
- Novy, R.G., S.L. Love, D.L. Corsini, J.J. Pavek, J. Whitworth, A.R. Mosley, S.R. James, D.C. Hane, C.C. Shock, K.A. Rykbost, C.R. Brown, R.E. Thornton, N.R. Knowles, M.J. Pavek, N. Olsen, and D.A. Inglis. 2006. Defender: a high-yielding, processing potato cultivar with foliar and tuber resistance to late blight. *Amer. J Potato Res* 83:9-19.

- Love, S.L., J.C. Stark, and T. Salaiz. 2005. Response of four potato cultivars to rate and timing of nitrogen fertilizer. *Amer. J. Potato Res.* 82:21-30.
- Salaiz, T.A., S.L. Love, P.E. Patterson, and J.F. Guenther. 2005. Economic performance of two new potato varieties using a fresh market consignment-packing model. *Amer. J. Potato Res.* 82:147-153.
- Love, S.L., R. Novy, J. Whitworth, D.L. Corsini, J.J. Pavek, A.R. Mosley, R.E. Thornton, N.R. Knowles, S.R. James, and D.C. Hane. 2005. Summit Russet: a new russet potato variety with good fresh market and frozen processing qualities. *Amer. J. Potato Res.* 82: (in press).
- Love, S.L., T. Salaiz, B. Shafii, W.J. Price, A.R. Mosley, and R.E. Thornton. 2004. Stability of expression and concentration of ascorbic acid in North American potato germplasm. *HortScience* 39:156-160.
- Novy, R.G., D.L. Corsini, S.L. Love, J.J. Pavek, A.R. Mosley, S.R. James, D.C. Hane, C.C. Shock, K.A. Rykbost, C.R. Brown, and R.E. Thornton. 2003. Alturas: A multi-purpose russet potato cultivar with high yield and tuber specific gravity. *Amer. J. Potato Res.* 80:295-301.
- Love, S.L., A.R. Mosley, R. Novy, D.L. Corsini, R.E. Thornton, S.R. James, and D.C. Hane. 2003. Ivory Crisp: A potato variety with high tuber solids and cold chipping ability. *Amer. J. Potato Res.* 80:207-213.
- Hane, D.C., A.R. Mosley, S.R. James, K.A. Rykbost, C.C. Shock, S.L. Love, D.L. Corsini, J.J. Pavek, R.E. Thornton, B.A. Charlton, E.P. Eldredge, and S. Yilma. 2003. Wallowa Russet: A full season long russet for processing and fresh market. *Amer. J. Potato Res.* 80:289-294.
- Rykbost, K.A., S.R. James, A.R. Mosley, B.A. Charlton, D.C. Hane, E. Eldredge, R. Voss, R.H. Johansen, S.L. Love, and R.E. Thornton. 2001. Modoc: A potato variety with bright red skin and early maturity for fresh market. *Amer. J. Potato Res.* 80:235-240.
- Higley, J.S., S.L. Love, W.J. Price, J.E. Nelson, and K.C. Huber. 2003. The rapid visco analyzer (RVA) as a tool for differentiating potato cultivars on the basis of flour pasting properties. *Amer. J. Potato Res.* 80:195-206.
- Araji, A.A. and S. Love. 2002. The economic impact of investment in the Pacific Northwest potato variety development program. *Amer. J. Potato Res.* 79:411-420.
- Love, S.L., R. Novy, D.L. Corsini, J.J. Pavek, A.R. Mosley, R.E. Thornton, S.R. James, and D.C. Hane. 2002. Gem Russet: a long russet potato variety with excellent fresh market and french fry processing quality. *Amer. J. Potato Res.* 79: 25-32.
- Love, S.L., D.L. Corsini, R. Novy, J.J. Pavek, A.R. Mosley, R.E. Thornton, S.R. James, D.C. Hane, and K.A. Rykbost. 2002. IdaRose: a potato variety with bright red skin, excellent culinary quality, and long tuber dormancy. *Amer. J. Potato Res.* 79: 79-84.
- Bohl, W.H., S. L. Love, and A.L. Thompson. 2001. Effect of seed piece removal on yield and agronomic characteristics of Russet Burbank potatoes. *Amer. J. Potato Res.* 78: 397-402.
- Rykbost, K.A., R. Voss, S.R. James, A.R. Mosley, B.A. Charlton, D.C. Hane, R.H. Johansen, S.L. Love, and R.E. Thornton. 2001. Winema: an early maturing, red-skinned cultivar for fresh market. *Amer. J. Potato Res.* 78: 371-375.
- Rykbost, K.A., R. Voss, S.R. James, A.R. Mosley, B.A. Charlton, D.C. Hane, R.H. Johansen, S.L. Love, and R.E. Thornton. 2001. Mazama: an early maturing, bright red-skinned cultivar for fresh market. *Amer. J. Potato Res.* 78: 383-387.
- Mosley, A.R., K.A. Rykbost, S.R. James, D.C. Hane, C.C. Shock, B.A. Charlton, J.J. Pavek, S.L. Love, D.L. Corsini, and R.E. Thornton. 2001. Klamath Russet: a full season, fresh market, long russet. *Amer. J. Potato Res.* 78: 377-381.
- Coetzer, C., D. Corsini, S. Love, J. Pavek and N. Tumer. 2001. Control of enzymatic browning in potato *Solanum tuberosum* L. by sense and antisense RNA from tomato polyphenol oxidase. *J. Agric. Food Chem.* 49:652-657.

Journals (cont.):

- Love, S.L. 2000. Feature Article. When does similar mean the same: A case for relaxing standard of substantial equivalence in genetically modified food crops. *HortScience* 35:803-806.
- Rogan, G.J., J.T. Bookout, D.R. Duncan, R.L. Fuchs, P.B. Lavrik, S.L. Love, M. Mueth, T. Olson, E.D. Owens, P.J. Raymond, and J. Zalewski. 2000. Compositional analysis of tubers from insect and virus resistant potato plants. *J. Agric. And Food Chem.* 48:5936-5945.
- Love, S.L. 2000. Founding clones, major contributing ancestors, and exotic progenitors of prominent North American potato cultivars. *Am. J. of Potato Res.* 76(5):263-272.
- Brown, C.R., H. Mojtahedi, G.S. Santo, P. Hamm, J.J. Pavek, D. Corsini, S. Love, J.M. Crosslin, and P.E. Thomas. 2000. Potato germplasm resistant to corky ringspot disease. *Am. J. of Potato Res.* 77(1):23-27.
- Mosley, A.R., S.R. James, C.C. Shock, D.C. Hane, K.A. Rykbost, B.A. Charlton, J.J. Pavek, S.L. Love, D.L. Corsini, and R.E. Thornton. 2000. Russet Legend: A full season long Russet for processing and fresh market use. *Am. J. of Potato Res.* 77(2):77-81.
- Mosley, A.R., S.R. James, D.C. Hane, K.A. Rykbost, C.C. Shock, B.A. Charlton, J.J. Pavek, S.L. Love, D.L. Corsini, and R.E. Thornton. 2000. Umatilla Russet: A full season long Russet for processing and fresh market use. *Am. J. of Potato Res.* 77(2):83-87.
- Mosley, A.R., S.R. James, K.A. Rykbost, D.C. Hane, C.E. Stanger, C.C. Shock, J.J. Pavek, D.L. Corsini, J.C. Miller, Jr., S.L. Love, R.E. Thornton, D.G. Holm, and R.E. Voss. 2000. Century Russet: A high-yielding fresh market cultivar with verticillium resistance. *Am. J. of Potato Res.* 77(3):161-165.

Proceedings:

- Love, S.L. 2000. Important processing characteristics in breeding processing potatoes. *Proceedings of the fourth World Potato Congress*, Amsterdam, The Netherlands, September 4-6, 2000. Wageningen Pers, The Netherlands.

Bulletins and Current Information Series:

- Love, S.L., K. Noble. and J. Robbins. 2009. Short-Season/High-Altitude Gardening and Landscaping: Landscaping with Native Plants. UI Bulletin No. 862.
- Love, S.L., E. Fallahi, and K. Noble. 2009. Short-Season/High-Altitude Gardening and Landscaping: Growing small fruit in short-season gardens. UI Bulletin No. 868.
- Love, S.L. and T. Salaiz. 2009. Ornamental Grasses for Idaho. UI Current Information Series No. 1161.
- Stark, J., W. Bohl, S. Love, R. Novy, J. Whitworth, N. Olsen, T. Brandt, J. Miller, J. Fuller, and T. Helms. 2009. Cultural management of Western Russet potatoes. UI Current Information Series NO. 1152.
- Love, S.L., K. Noble, and S. Parkinson. 2008. Short-Season/High-Altitude Gardening and Landscaping: Introduction to short-season gardening in Idaho. UI Bulletin No. 857.
- Love, S.L., K. Noble, and S. Parkinson. 2008. Short-Season/High-Altitude Gardening and Landscaping: Managing soils in short-season/high altitude gardens. UI Bulletin No. 858.
- Love, S.L., K. Noble, and S. Parkinson. 2008. Short-Season/High-Altitude Gardening and Landscaping: Gardening strategies for short-season/high-altitude zones. UI Bulletin No. 859.
- Love, S.L., S. Parkinson, and K. Noble. 2008. Short-Season/High-Altitude Gardening and Landscaping: Choosing and growing adapted vegetable varieties. UI Bulletin No. 863.
- Love, S.L., K. Noble, S. Parkinson, and S. Bell. 2008. Short-Season/High-Altitude Gardening and Landscaping: Herbaceous ornamentals – annuals, perennials, and ornamental grasses. UI Bulletin No. 861.
- Love, S.L., R. Wimpfheimer, and K. Noble, S. Parkinson. 2008. Short-Season/High-Altitude Gardening and Landscaping: Selecting and caring for trees, shrubs, and vines. UI Bulletin No. 860.
- Love, S.L., E. Fallahi, and K. Noble. 2008. Short-Season/High-Altitude Gardening and Landscaping: Growing small fruit crops in short-season gardens. UI Bulletin No. 868.
- Love, S.L., E. Fallahi, and K. Noble. 2008. Short-Season/High-Altitude Gardening and Landscaping: Growing tree fruits in short-season gardens. UI Bulletin No. 867.
- King, B.A., J.C. Stark, and S.L. Love. 2005. Potato production with limited water supply. Idaho Agric. Exp. Sta. Current Info. Series No. 1122.

- Brandt, T.L., G. Kleinkopf, N. Olsen, and S.L. Love. 2005. Storage management for Summit Russet potatoes. Idaho Agric. Exp. Sta. Current Info. Series No. 1123.
- Brandt, T.L., G. Kleinkopf, N. Olsen and S. Love. 2004. Storage management for Gem Russet potatoes. Idaho Agric. Exp. Sta. Current Info. Series No. 1118.
- Brandt, T.L., G. Kleinkopf, N. Olsen, and S. Love. 2003. Storage management for Umatilla Russet potatoes. Idaho Agric. Exp. Sta. Bull. No. 839.
- Bohl, W.H. and S.L. Love. 2003. Cultural management of Russet Norkotah potatoes. Idaho Agric. Exp. Sta. Current Info. Series No. 1106.
- Thompson-Johns, A., S.L. Love, M.K. Thornton, P. Nolte, and W.H. Bohl. 2002. Potato production in the home garden. Idaho Agric. Exp. Sta. Current Info. Series No. 1000 (revised).
- Love, S.L., W.H. Bohl, D.L. Corsini, J.C. Stark and N. Olsen. 2001. Cultural management of Gem Russet potatoes. Idaho Agric. Exp. Sta. Current Info. Series No. 1093.
- Araji, A.A. and S.L. Love. 2001. The benefits of public investments in the Northwest potato breeding research. Idaho Agric. Exp. Stat. Bull. No. 822.
- Bain, P. and S.L. Love. 2001. Tri-state potato variety trials - 2000. Idaho Agric. Exp. Stat. Progress Rep. No. 345.
- Bain, P. and S.L. Love. 2000. Tri-state potato variety trials -1999. Idaho Agric. Exp. Stat. Progress Rep. No. 338.

Peer Reviewed/Evaluated Publications:

Book Chapters:

- Managing Pests in Potatoes. 2006. Revision of chapter 2, in cooperation with other authors, on the new 2nd Ed. of Integrated Pest Management for Potatoes in the Western United States, University of California.

Journals:

- Love, S.L. 2009. Notes on propagation of Eriogonum. Eriogonum Society Newsletter 1(4):6-11.
- Love, S.L., T. Salaiz, and M. Stevens. 2009. Bear River Range native seed collection excursions. Sage Notes INPS 31:1, 5-7.
- Love, S.L. 2009. Methods for cleaning penstemon seed. Bull Amer Penstemon Soc 68:89-92.
- Love, S.L. 2008. Penstemon spotlight – Penstemon fremontii. Bull Amer Penstemon Soc 86:2-4.
- Love, S.L. 2009. APS photo contest. Bull Amer Penstemon Soc 68:93-96.
- Love S.L. and T. McCammon. 2008. Native wildflower seed collection in the Seven Devils of West-Central Idaho. Sage Notes INPS 30: 1, 5-6.
- Love, S.L. 2008. Moving forward – A note from the new bulletin editor. Bull Amer Penstemon Soc 67:2-3.
- Love, S.L. 2008. Penstemon spotlight – Penstemon glabrescens. Bull Amer Penstemon Soc 67:4-6.
- Love S.L. and T.A. Salaiz. 2007. Collection of native wildflower and shrub seed in the Owyhee Mountains. Sage Notes INPS 28: 8-9.
- Love, S.L., R. Novy, D. Corsini, P. Bain, T. Salaiz, L. Later, J. Stimpson, and A. Mosley. 2005. Idaho. Nat. Potato Germplasm Eval. Rept., 2003, 74: (in press).
- Love. S.L., R. Novy, D. Corsini, P. Bain, T. Salaiz, L. Later, J. Stimpson, and A. Mosley. 2003. Idaho. Nat. Potato Germplasm Eval. Rept., 2001, 72:96-110.
- Love, S., R. Novy, D. Corsini, P. Bain, T. Salaiz, L. Later, J. Stimpson, and A. Mosley. 2001. Idaho. Nat. Potato Germplasm Eval. Rept., 2000, 71: 126-143.
- Love, S., R. Novy, D. Corsini, P. Bain, L. Later, J. Stimpson, and A. Mosley. 2000. Idaho. Nat. Potato Germplasm Eval. Rept., 1999, 70:98-113.

Proceedings:

- Bohl, W.H. and S.L. Love. 2006. Understanding tuber bulking rates of six potato varieties. Proc. Univ. Idaho Winter Comm. Schools 38:143-148.
- Stark, J, B King and S Love. 2006. Managing a potato crop with reduced water supplies. Proc. Univ. Idaho Winter Comm. Schools 38:165-170.
- Salaiz, T., S. Love, and M. Bain. 2005. 2004 variety trial results. Proc. Univ. Idaho Winter Comm. Schools 37:139-147.
- Love, S.L., R. Novy, T. Salaiz, and M. Bain. 2005. Potato variety and clone descriptions. Proc. Univ.

- Idaho Winter Comm. Schools 37:129-138.
- Bohl, W.M., S.L. Love, and T. Salaiz. 2005. Effect of missing plants on yield of four potato varieties. *Proc. Univ. Idaho Winter Comm. Schools* 37:155-157.
- Love, S.L. 2004. Variety choice as a tool to manage stress. *Proc. Univ. Idaho Winter Comm. Schools* 36:53-58.
- S.L. Love and J.C. Stark. 2004. Nitrogen fertilizer management for new potato varieties. *Proc. Univ. Idaho Winter Comm. Schools* 36:111-116.
- Bohl, W.H. and S.L. Love. 2004. Bulking rate of six potato varieties in eastern Idaho. *Proc. Univ. Idaho Winter Comm. Schools* 36:59-62.
- Love, S.L., T. Salaiz, and P. Bain. 2003. 2002 descriptions of potato varieties and clones. *Proc. Univ. Idaho Winter Comm. Schools* 35:25-40.
- Love, S.L., J. Stark, and B. King. 2003. Irrigation tips for new varieties. *Proc. Univ. Idaho Winter Comm. Schools* 35:41-44.
- King B., J. Stark and S. Love. 2003. Potato production with limited water supplies. *Proc. Univ. Idaho Winter Comm. Schools* 35:45-54.
- Atkinson, D., B. Geary, J. Stark, S. Love, and J. Windes. 2003. Potato varietal responses to nitrogen rate and timing. *Proc. Univ. Idaho Winter Comm. Schools* 35:59-68.
- Bohl, W.H., S.L. Love and P.E. Patterson. 2003. Effect of four seed piece spacings on economic return of Russet Burbank potatoes. *Proc. Univ. Idaho Winter Comm. Schools* 35:69-74.
- Love, S.L., T. Salaiz, and P. Bain. 2002. 2001 description of potato varieties and clones. *Proc. Univ. Idaho Winter Comm. Schools* 34: 77-86.
- Bain, P., S.L. Love, and T. Salaiz. 2002. Potato variety development screening criteria. *Proc. Univ. Idaho Winter Comm. Schools* 34:73-76.
- Love, S.L., T. Salaiz and P. Bain. 2001. 2000 description of potato varieties and clones. *Proc. Univ. Idaho Winter Commodity Schools* 33:99-104.
- Love, S.L., P. Bain, and S. Cordon. 2000. 1999 Descriptions of potato varieties and clones. *Proc. Univ. of Idaho Winter Commodity Schools* 32:87-98.
- Love, S.L. 2000. Strain selection improves the bread - fact or fiction. *Proc. Univ. of Idaho Winter Commodity Schools* 32:83-86.

Abstracts:

- Brown, C.R., M. Moore, M. Pavek, D. Hane, R.G. Novy, J.C. Miller Jr., S.L. Love, S. James, and K.G. Haynes. 2009. Genetic variability in mineral content of potato tubers. *Amer J Potato Res* 86:138.
- Treatments for breaking dormancy in seed of the native snowberry shrub. 2008. *HortScience* 43:1268.
- Brown, CR, M Moore, M Pavek, D Hane, RC Novy, JC Miller Jr, SL Love and S James.
- Bohl, WH, SL Love and TA Salaiz. 2007. Tuber orientation, stolon length, and green tuber yield of 'Summit Russet' and 'Defender' potato cultivars as affected by hill shape. *Amer J Potato Res* 84:78.
- Khu, D, SL Love and J Lorenzen. 2007. Interval mapping of quantitative trait loci for corky ringspot disease resistance in a tetraploid potato population (*Solanum tuberosum* subsp. *tuberosum*). *Amer J Potato Res* 84:98.
- Love, SL and TA Salaiz. 2007. Native wildflower seed collection in the Owyhee Mountains of Idaho. *HortScience* 42:968.
- Bohl, W.H., S.L. Love, and T.A. Salaiz. 2006. Effect of missing plants at two in-row spacings on yield of four potato cultivars. *Amer J Potato Res* 83:98.
- Brandt T., G.E. Kleinkopf, N. Olsen, and S. Love. 2006. Storage characteristics of Alturas and Bannock Russet potatoes. *Amer J Potato Res* 83:99.
- Khu D., S.L. Love, and J. Lorenzen. 2006. Identification of AFLP and SSR markers associated with corky ring-spot disease resistance in tetraploid population (*Solanum tuberosum* ssp: *tuberosum*). *Amer J Potato Res* 83:117.
- Novy, R.G., S.L. Love, D.L. Corsini, J.J. Pavek, J. Whitworth, A.R. Mosley, S.R. James, D.C. Hane, C.C. Shock, K.A. Rykbost, C.R. Brown, R.E. Thornton, N.R. Knowles, M.J. Pavek, N. Olsen, and D.A. Inglis. 2006. Defender: a high-yielding processing potato cultivar with foliar and tuber resistance to late blight. *Amer J Potato Res* 83:126.
- King, B., J. Stark, S. Love, and C. McIntosh. 2006. Drought risk management for irrigated potato production. *Proceeding USCID Water Management Conf.*
- Love, S.L. and J.C. Stark. *Potato Production Systems: A comprehensive guide for potato production*

- published by the University of Idaho. *Amer. J. Potato Res.* 81:72-73.
- Salaiz, T. and S.L. Love. 2004. Seed warming and ambient temperature effects on Umatilla Russet little-tuber syndrome. *Amer. J. Potato Res.* 81:86.
- Bohl, W.H., S.L. Love, and P.E. Patterson. 2004. Effect of four seedpiece spacings on economic return of Russet Burbank potatoes. *Amer. J. Potato Res.* 81:47.
- Brandt, T.L., G.E. Kleinkopf, N. Olsen, and S. Love. 2004. Storage management of Gem Russet and Summit Russet potatoes. *Amer. J. Potato Res.* 81:48.
- Geary, B., J. Stark, S. Love, B. Hopkins, J. Ellsworth, D. Atkinson, and J. Windes. 2004. Potato varietal response to nitrogen rate and timing. *Amer. J. Potato Res.* 81:60-61.
- Higley, J.S. S.L. Love, W.J. Price, J.E. Nelson, and K.C. Huber. 2004 The Rapid Visco Analyzer (RVA) as a tool for differentiating potato cultivars on the basis of flour pasting profiles. *Amer. J. Potato Res.* 81:65-66.
- Khu, D., S.L. Love, and J. Lorenzen. 2004. Evaluation of a corky ringspot disease resistance of three tetraploid populations for genetic map construction. *Amer. J. Potato Res.* 81:69.
- Love, S.L., T. Salaiz, B. Shafii, W.J. Price, A.R. Mosley, and R.E. Thornton. 2002. Ascorbic acid content and stability in North American potato germplasm. Program XXVIth International Horticultural Congress and Exhibition, p 115.
- Salaiz, T.A., S.L. Love, P.J.S. Hutchinson, and A. Thompson. 2002. Tolerance of eight potato varieties to s-metolachlor, pendimethalin, and remsulfuron. Program XXVIth International Horticultural Congress and Exhibition, p 120.
- Brown, C.R., H. Mojtahedi, G.S. Santo, P. Hamm, R. Novy, D. Corsini, S. Love, and S. James. 2001. Defending the profitability of growing potato in the Columbia basin: development of corky ringspot and Columbia root-knot nematode resistant germplasm. *Amer. J. Potato Res.* 78: 446.
- Love, S.L., T.A. Salaiz, J.J. Pavek, and C.R. Brown. 2001. Development of russet-type germplasm with resistance to corky ringspot. *Amer. J. Potato Res.* 78: 467.
- Bohl, W.H. and S.L. Love. 2001. Effect of planting depth and hilling practices on yield and quality of Russet Burbank and Gem Russet potatoes. *Amer. J. Potato Res.* 78:444.
- Salaiz, T.S., S.L. Love and P.E. Patterson. 2001. Economic performance of Gem Russet (A8495-1) and A84118-3 as compared to Russet Burbank using a fresh pack model. *Amer. J. Potato Res.* 78:480.
- Bamberg, J., S. Love, D. Corsini, and K. Deahl. 2001. Fine screening potato germplasm for high leaf and low tuber glycoalkaloids. *Amer. J. Potato Res.* 78: 443.
- Araji, A.A. and S. Love. 2000. The benefits of investment in the Northwest potato breeding program. *Amer. J. Potato Res.* 77:391.
- Bohl, W.H. and S.L. Love. 2000. Observations from potato seed piece bruising studies in Idaho. *Amer. J. Potato Res.* 77:393.
- Brown, C.R., H. Mojtahedi, G.S. Santo, P. Hamm, J.J. Pavek, S. Love, J.M. Crosslin, and P.E. Thomas. 2000. Potato germplasm resistant to corky ringspot disease. *Amer. J. Potato Res.* 77:23.
- Mosley, A.R., S.R. James, C.C. Shock, D.C. Hane, K.A. Rykbost, B.A. Charlton, D.G. Holm, S.L. Love, D.L. Corsini, J.J. Pavek, and R.E. Thornton. 2000. Russet Legend: a full season long russet for processing and fresh market use. *Amer. J. Potato Res.* 77:83.
- Mosley, A.R., S.R. James, C.C. Shock, K.A. Rykbost, D.C. Hane, C.E. Stanger, C.C. Shock, B.A. Charlton, J.J. Pavek, D.L. Corsini, J.C. Miller, S.L. Love, R.E. Thornton, D.G. Holm, and R.E. Voss. 2000. Century Russet: a high-yielding fresh market cultivar with resistance to Verticillium wilt. *Amer. J. Potato Res.* 77:161.
- Novy, R.D., D. Corsini, S. Love, and J.J. Pavek. 2000. A90586-11: a high yielding processing selection with foliar and tuber resistance to late blight. *Amer. J. Potato Res.* 77:414.

Other Publications:

Newsletters:

- Bohl, W.H. and S.L. Love. 2009. Ornamental grasses add interest to winter gardens. Bingham County News, January.
- Love, S.L. and W.H. Bohl. 2009. Inspect trees for damage this winter. Bingham County News, February.
- Love, S.L. and W.H. Bohl. 2009. It's a bad year for fire blight in apples and pears. Horticulture Education Article for 5 SE Idaho Newspapers, July.
- Love, S.L. 2008. Tomatoes are hot – even in Idaho's cold, short season. UI News Release.

- Love, S.L. 2008. Looking at native plants. Aberdeen Times, June.
- Love, S.L. 2008. Growing for the future. Idaho State Journal, July.
- Bohl, W.H. and S.L. Love. 2008. Check the type of sweet corn before planting. Horticulture Education Article for 5 SE Idaho Newspapers, May.
- Love, S.L. 2007. Select trees with care. Extension Focus Newsletter, July/August.
- Love, S.L. 2007. Recognizing and treating iron deficiency. Extension Focus Newsletter, July/August.
- Love, S.L. 2007. Consider plant maturity to schedule vine kill date. Spudvine, August.
- Bohl, W.H. and S.L. Love. 2005 Potato tuber bulking greatly slows in late season. The Spudvine, August Ed.
- Bohl, W.H., T. Salaiz, and S.L. Love. 2005. How important are planter skips? The Spudvine, February Ed.
- Bohl, W.H. and S.L. Love. 2004. Obtain a uniform potato stand. The Spudvine, March Ed.
- Bohl, W.H., S.L. Love and P.E. Patterson. 2003. Seed piece spacing affects economic return of potato crop. The Spudvine, March Ed.
- Bohl, W.H. and S.L. Love. 2000. Use specific practices to minimize bruise damage for each potato variety. The Spudvine, August 2000.
- Bohl, W.H. and S.L. Love. 2001. A closer look at potato seed piece bruising. The Spudvine, February 2001.
- Bohl, W.H. and S.L. Love. 2001. Planting depth and hilling practices affect yield. The Spudvine, April 2001.

Proceedings:

- Love, S.L. 2000. What is the Potato Association of America. *Proc. 17th Annual San Luis Valley Potato/Grain Conference and Agricultural Trade Fair*, pp. 7-8.

Magazines:

- Bohl, WH and SL Love. 2006. Vine kill in relation to tuber bulking. Potato Grower Magazine, June issue.
- Love, S.L. 2005. Winterize trees, shrubs, and perennials. Focus Fall Edition.
- Bohl, W.H. and S. Love. 2004. Nitrogen fertilizer management of Russet Norkotah, Ranger Russet. Potato Grower 33(5):34-35.
- Love, S., J. Stark, B. Geary, D. Atkinson and B. Bohl. 2004. Fertilizer management issues for some new varieties. Potato Grower 33(4):54-55.
- Love, S., J. Stark, and W. Bohl. 2002. Late season bulking: how important is it? Potato Grower 31(7): 18-23.

Magazines (cont.):

- Love, S., R. Novy, and D. Corsini. 2002. UI, ARS, Tri-state turning out winners. *Potato Grower* 31(2): 38-40.
- Bohl, W. and S.L. Love. 2002. What causes green ends? *Potato Grower* 31(4): 50-53.
- Love, S.L. 2002. Variety development: public or private. *Valley Potato Grower* (Feb. 2002): 18-19.
- Thompson, S., S. Love, and G. Porter. 2000-01. Cultivar Corner (eight articles describing new potato varieties.) *Spudman*, Vol. 38 and 39.
- Love, S.L. and W.H. Bohl. 2000. Handling with care. *Spudman* 38:22.
- Thompson, S., S. Love, and G. Porter. 1999-2000. Cultivar Corner (five articles describing new potato varieties. *Spudman*, Vol. 37 and 38.
- Bohl, W.H., S.L. Love. 2000. Best Depth? Researchers try to find the best planting depth for seed pieces. *Spudman* 38(4):30-31.
- Novy, Rich, Dennis Corsini, and Steve Love. 2000. Aberdeen at forefront of cold chipping, blight resistant cultivars. *Valley Potato Grower* 65:14-15.

Web Pages/Sites:

- Love, S.L. 2009. Native Plants for Idaho. Published in the UI sponsored web site "Idaho Landscapes and Gardens".
- Love, S.L., B. Tripepi, M. Fritz, T. Salaiz, D. Barney, E. Bechinski, J. Robbins, and S. Bell. "Idaho Landscapes and Gardens". Completed in 2006, revised each year since. Provides a comprehensive source of gardening and landscaping information to Idaho homeowners. Currently serve as webmaster.
- Love, S.L. 2008. Winter tree inspection. Published in the UI sponsored web site "Idaho Landscapes and Gardens".
- S.L. Love. 2008. Choosing tomato varieties for your home garden. Published in the UI sponsored web site "Idaho Landscapes and Gardens".
- Love, S.L. 2007. Summer pruning. Published in the UI sponsored web site "Idaho Landscapes and Gardens".
- Salaiz, T.A. and S.L. Love. 2007. Fall Lawn Care. Published in the UI sponsored web site "Idaho Landscapes and Gardens".
- Love, S.L. 2006. Ornamentals. Published in the new UI sponsored web site "Idaho Landscapes and Gardens".
- Love S.L. 2006. Landscape Principles. Published in the new UI sponsored web site "Idaho Landscapes and Gardens".
- In cooperation with the Web Site Committee edited and improved the web site for Idaho Center for Potato Research and Education. (<http://www.ag.uidaho.edu/potato>).

Professional Meeting Papers:

- Occurrence of high glycoalkaloid content progeny from low level parents A7816-14 and Russet Norkotah. Presented at the annual meeting of the Potato Association of America, Scottsbluff, Nebraska, August 2004.
- Development of russet-type germplasm with resistance to corky ringspot. Presented to the annual meeting of the Potato Association of America, St. Augustine, Florida, 2001.

Presentations at State, National, and International Meetings:

International:

Invited:

- The future of specialty potato varieties. Presented and panel discussion at the World Potato Congress
- Adopting new potato varieties for processing. Presented at the ConAgra Alberta Potato Growers Conference, Taber, Alberta, December 2002.

Contributed:

- Important quality characteristics in breeding processing potatoes. World Potato Congress. Amsterdam, The Netherlands. September 4-6, 2000.

National:**Invited:**

- History of the Potato in Idaho. Presented for the History Channel, Aberdeen, ID, September 2006.
- Potatoes 101. Presented as an educational program for congressional aides, Washington D.C., March, 2004.
- Variety Development: Public or Private. Presented at the 20th Annual National Potato Council Seed Seminar, Scottsdale, Arizona, 2001.

Contributed:

- Treatments for Breaking Dormancy in Seed of the Native Snowberry Shrub. Presented at the annual meeting of the American Society for Horticultural Science, Orlando, Florida, July, 2008.
- Defender: a high-yielding processing potato cultivar with foliar and tuber resistance to late blight. Presented as a poster at the annual meeting of the Potato Association of America, Calgary, Alberta, August 2005.
- Reducing exposure to drought risk in potato production systems. Presented at the Idaho State Legislature Symposium, Spring 2005.
- Potato Production Systems: A comprehensive guide for potato production published by the University of Idaho. Presented as a poster at the annual meeting of the Potato Association of America, Spokane, Washington, August 2003.
- Development of russet-type germplasm with resistance to corky ringspot. Symposium on new potato diseases at the annual meeting of the Potato Association of America. St. Augustine, Florida. April 22-26, 2001.
- Native plant domestication: A new University of Idaho project. Presented at the annual meeting of the WERA-1013, Laramie, WY, October 2009.
- Zone landscape maintenance. Presented at the annual meeting of the Idaho Crop Production Association, Jackpot, NV, January 2006.
- Impact of stress on potato tuber dry matter. Presented at the Idaho Crop Production Fertilizer and Chemical Conference, Jackpot, Nevada, January 2004.
- Late season and storage. Presented as a panel at the Idaho Crop Production Fertilizer and Chemical Conference, Jackpot, Nevada, January 2003.
- Specific gravity and sugar ends. Presented at the 29th Annual Idaho Crop Production Association Conference, Jackpot, Nevada, 2002.
- What is the Potato Association of America. 17th Annual San Luis Valley Potato/Grain Conference and Agricultural Trade Fair, 2000.

State:**Invited:**

- Woody Plants. Presented at the Bingham County Master Gardener Training, Blackfoot, ID, February 2009.
- Woody Plants. Presented at the Bannock County Master Gardener Training, Pocatello, ID, February 2009.
- Woody Plants. Presented at the Bonneville County Master Gardener Training, Idaho Falls, ID, February 2009.
- Woody Plants. Presented at the Franklin County Master Gardener Training, Preston, ID, February 2009.
- Using Native Plants in the Landscape. Presented at the Lemhi County Advanced Master Gardener Training, Salmon, ID, March 2009.
- Growing Roses. Presented at the Lemhi County Advanced Master Gardener Training, Salmon, ID, March 2009.
- Native Plants for Southern Idaho. Presented at the Idaho Falls Community Garden Association, Idaho Falls, ID, March 2009.
- Creating a Native Plant Rock Garden. Presented at the Twin Falls Master Gardener Club, Twin Falls, ID, April, 2009.
- Building a Perfect Soil. Presented at the 7th Annual Thaw 'N Awe, Idaho Falls, ID, March 2009.
- Building a Native Plant Rock Garden. Presented at the Teton County Master Gardener Training, Driggs, ID, March 2009.
- What's New in Vegetables. Presented to the Idaho Falls Garden Club, Idaho Falls, ID, April 2009.
- Native Plants. Presented to the Fort Hall Master Gardeners, Fort Hall, ID, May 2009.

Native Plants. Presented to the Bingham County Advanced Master Gardeners, Blackfoot, ID, July 2009.

Landscaping with Herbaceous Ornamentals. Presented to the Payette County Master Gardeners, Payette, ID, October 2009.

Native Plant Tour. Presented at the 3rd Annual Native Plant Field Day, Aberdeen, ID, June 2009.

Native Plant Evaluations. Presented as part of the Aberdeen R&E Center Twilight Tour, Aberdeen, ID, July 2009.

Native Plants for Idaho. Presented at the INLA Green Industry Education Day, Pocatello, ID, March 2009.

Building a Native Plant Rock Garden. Presented at the Marsing Garden Club, Marsing, ID, January 2009.

Selling ornamental grasses. Presented at the Idaho Horticulture Expo, Boise, ID, January 2009.

Native plants for Idaho. Presented at the Idaho Weed Conference, Nampa, ID, January 2009.

Bringing native plants home. Presented at a meeting of the White Pine Chapter of the Idaho Native Plant Society, Moscow, ID, May 2009.

Iron Bog Wild Flowers. Presented at a meeting of the Saw-Wah-Be Chapter of the Idaho Native Plant Society, Pocatello, ID, May 2009.

Native Wildflowers of the Antelope Country. Presented at the Sah-Wah-Be Chapter of the Idaho Native Plant Society, Pocatello, ID, March 2008.

The need for rethinking Idaho landscapes: Introduction to the 2008 IBG symposium. Presented at the Idaho Botanical Garden Fall Symposium, Boise, ID, November 2008.

Collecting seed in the Seven Devils country. Presented to the Aberdeen Rotary Club, February, 2008.

Aberdeen R & E Native Plant Project. Presented as part of the Aberdeen ARS seminar series, March, 2008.

Edible and Poison Native Plants. Presented to Webelos Boy Scouts, American Falls, ID, July, 2008.

Native plant domestication – a new UI project. Boise Horticulture Symposium. Presented in Boise, ID, November, 2008.

Evaluation of native plants. Presented to Leadership Idaho Agriculture, Aberdeen, ID, December, 2007.

Landscaping with native plants. Presented at the Marsing Garden Club, Marsing, ID, January, 2008.

Woody Plants. Presented at the Bingham County Master Gardener Training, Blackfoot, Idaho, February, 2008.

Woody Plants. Presented at the Bannock County Master Gardener Training, Pocatello, Idaho, February, 2008.

Woody Plants. Presented at the Bonneville County Master Gardener Training, Idaho Falls, Idaho, February, 2008.

Growing Vegetables. Presented at the Lemhi County Master Gardener Training, Salmon, Idaho, March, 2008.

Gardening with Native Plants. Presented to students of the Holy Rosary School, Idaho Falls, ID, April, 2008.

Importance of Native Plants. Presented to students of Sorensen Elementary School, Couer d’Alene, ID, April, 2008.

Native Plant Domestication. Presented to the Pahove Chapter of the Idaho Native Plant Society, Boise, ID, April, 2008.

Use of Native Plants in Low-Water Landscapes. Presented at the Slow-the-Flow Conference held in Nampa, ID, June, 2008.

Bringing Native Plants Home. Presented to the Loasa Chapter of the Idaho Native Plant Society, Twin Falls, ID, September, 2008.

Bringing Native Plants Home. Presented at the Idaho Gardens Clubs Association meeting, Idaho Falls, Idaho, April, 2008.

Developing Native Gems for Gem State Gardens. Presented at the Idaho Botanical Garden Fall Symposium, Boise, Idaho, November, 2008.

Growing Vegetables. Presented at Twin Falls Master Gardener Training, Jerome, ID, February, 2007.

Growing Vegetables. Presented at Minidoka Master Gardener Training, Burley, ID, February, 2007.

Woody Plants. Presented at the Franklin County Master Gardener Training, Preston, ID, March, 2007.

Woody Plants. Presented at the Bingham County Master Gardener Training, Blackfoot, ID, March, 2007.

Woody Plants. Presented at the Bannock County Master Gardener Training, Pocatello, ID, March, 2007.

Woody Plants. Presented at the Bonneville County Master Gardener Training, Idaho Falls, ID, March,

2007.

Soils and Irrigation. Presented at the Canyon County Master Gardener Training, Caldwell, ID, March, 2007.

Soils and Irrigation. Presented at the Payette County Master Gardener Training, Payette, ID, March, 2007.

Tried and True Vegetable and Fruit Varieties. Presented at the Bonneville County "Thaw and Awe", Idaho Falls, ID, March, 2007.

Growing Roses. Presented at a local church auxiliary meeting, Aberdeen, ID, April, 2007.

Growing Roses. Presented at a local church auxiliary meeting, Aberdeen, ID, May, 2007.

Growing Roses in the High Deserts of Idaho. Presented to the Idaho FAls Garden Club, Idaho Falls, ID, May, 2007.

Soils and Irrigation. Presented at the Fort Hall Master Gardener Training, Fort Hall, ID, May, 2007.

Rose Diseases. Presented to the Cut Flower Growers Association, Blackfoot, ID, June, 2007.

Growing Roses in Difficult Climates. Presented to the Pocatello Garden Club, Pocatello, ID, June, 2007.

Native Plant Landscaping. Presented at the 1st Annual Native Plant and Turf Field Day, Aberdeen, ID, June, 2007.

Native Plant Landscaping. Presented to the Olmstead Group, Boise, ID, September, 2007.

Native Plant Seed Collecting. Workshop prepared for the Sah-Wah-Be Chapter of the Idaho Native Plant Society, Pocatello, ID, October, 2007.

Intermountain Native Plants. Presented to the Cache Valley Conservation Association, Aberdeen, Idaho, 2007.

Vegetable Gardening. Presented at Twin Falls/Minidoka Master Gardener Training, Burley, ID, February, 2006.

Specialty Potato Trial Results. Presented to the R&E Committee of the Idaho Potato Commission, Twin Falls, ID, March, 2006.

Soil Basics. Presented at the Franklin County Master Gardener Training, Preston, ID, March, 2006.

Soil Basics. Presented at the Bannock County Master Gardener Training, Pocatello, ID, March, 2006.

Soil Basics. Presented at the Bonneville County Master Gardener Training, Idaho Falls, ID, March, 2006.

Vegetable Gardening. Presented at the Lemhi County Master Gardener Training, Salmon, ID, March, 2006.

Managing Soils. Presented at the Cultivating Success Class, Pocatello, ID, April, 2006.

Growing Vegetables. Presented to the Idaho Falls Garden Club, Idaho Falls, ID, May, 2006.

Horticulture and Turf Programs at UI. Presented to Leadership in Agriculture Tour, December, 2005.

Contributed:

Native Plants Workshop. Teamed with Stan Goertsema of Power County to train residents in the use of native plants in landscaping, American Falls, ID, April 2009.

Fruit Tree Pruning Workshop. Teamed with Stan Goertsema of Power County to train residents in proper pruning practices, American Falls, ID, April 2009.

Vegetable Gardening. Teamed with Stan Goertsema of Power County to train residents in principles of vegetable production, American Falls, ID, April 2009.

Presentations at State, National, and International Meetings (cont.):

- Fruit Tree Pruning Workshop. Held locally to train residents in proper pruning practices, Aberdeen, ID, March 2009.
- Rose Pruning Workshop. Held locally to train residents in practical rose pruning, Aberdeen, ID, April 2009.
- Container Gardening. Teamed with Bill Bohl and Kesler's Greenhouse to train residents in practical container gardening, Blackfoot, ID, April 2009.
- Pruning Fruit and Landscape Pruning. Teamed with Bill Bohl and Kesler's Greenhouse to train residents in proper pruning techniques, Blackfoot, ID, April 2009.
- Successful Gardening. Teamed with Palmer Greenhouses to train residents in general gardening principles, Aberdeen, ID, May 2009.
- Bingham County Native Plant Workshop. Blackfoot, ID, April 2009.
- Native Wildflowers of the Antelope Country. Presented to the Sah-Wah-Be Chapter of the Idaho Native Plant Society, Pocatello, ID, March 2008.
- Turf Problems and Solutions. Extension in-service training organized jointly with Thomas Salaiz for 8 county educators, March, 2008.
- Fruit Tree Pruning Workshop. Teamed with Stan Goertsema of Power County to train residents in proper pruning practices, American Falls, ID, April, 2008.
- Rose Pruning Workshop. Teamed with Stan Goertsema of Power County to train residents in practical rose pruning, Aberdeen, ID, April, 2008.
- Seeding and Transplanting Vegetables. Teamed with Bill Bohl and Kesler's Greenhouse to train residents in vegetable growing practices, Blackfoot, ID, April, 2008.
- Tour of the Native Plant Project. Hosted the Southern Idaho FFA Youth Leaders in a tour of the native plant evaluation plots, Aberdeen, ID, April, 2008.
- Establishing Trees. Teamed with Bill Bohl and Kesler's Greenhouse to train residents in proper methods for planting and establishing trees and shrubs. Blackfoot, ID, May, 2008.
- Tour of the Aberdeen Horticulture Projects. Organized for the Idaho Association of Agricultural County Agents as part of their annual meeting, Aberdeen, ID, June, 2008.
- Tour of the Aberdeen Turfgrass Research Plots. Included discussions of UI horticulture programming at Aberdeen and elsewhere. Organized for the Southeastern Chapter of the Idaho Nursery and Landscape Association annual meeting, host by the Aberdeen R & E Center, Aberdeen, ID, August, 2008.
- Idaho Native Plants. Tour organized for the Pocatello Travelin' Sams Club, Aberdeen, ID, August, 2008.
- Bonneville County "Thaw n' Awe" spring gardening workshop. Held in Idaho Falls, ID, March, 2008.
- Work in Native Plant Research. Presented as part of a career day at William Thomas Middle School, American Falls, ID, October, 2008.
- Native Plant Landscaping. Presented at the 2nd annual Native Plant Field Day, Aberdeen, Idaho, June, 2008.
- Native Wildflowers of the Pioneer Mountains. Presented to the Sah-Wah-Be Chapter of the Idaho Native Plant Society, Pocatello, ID, February, 2007.
- Growing Roses. Presented at the Power County Gardening Workshop, American Falls, ID, April 2007.
- Growing Vegetables. Presented at the Power County Gardening Workshop, American Falls, ID, April 2007.
- Tour of the Hardy Rose Demonstration Plot. Presented to the Sah-Wah-Be Chapter of the Idaho Native Plant Society, Aberdeen, ID, July, 2007.
- Native Plants for Idaho. Presented to the Sah-Wah-Be Chapter of the Idaho Native Plant Society, Aberdeen, ID, July, 2007.
- Trees and Shrubs. Presented to the Aberdeen Senior Citizens, Aberdeen, ID, May, 2007.
- Domestication of native plants for use in water-conserving home landscapes. Presented as a poster at the USDA/ARS Small Grain Laboratory dedication, Aberdeen, ID, August, 2006.
- Growing Vegetables. Presented at the Power County Gardening Workshop, American Falls, ID, April, 2006.
- Growing Roses. Presented at the Power County Gardening Workshop, American Falls, ID, May, 2006.
- Horticulture Projects at the Aberdeen R&E Center. Presented at the Project Review Seminar, Aberdeen, ID, January, 2006.

Vegetable Gardening – Basics. Presented to a women’s church auxiliary group, Aberdeen, ID, March, 2006.

Vegetable Gardening – Crop Specific. Presented to a women’s church auxiliary group, Aberdeen, ID, April, 2006.

Vegetable Gardening. Presented to the Aberdeen Rotary Club, Aberdeen, ID, March, 2006.

Growing Roses. Presented to the Aberdeen Rotary Club, Aberdeen, ID, April, 2006.

2004 descriptions of potato varieties and clones. Presented as a poster at the Idaho Potato Conference, Pocatello, Idaho, January 2005.

Variety selection as a tool for managing stress. Presented at the Idaho Potato Conference, Pocatello, Idaho, January 2004.

Stress management short course. Participation in a panel discussion at the Idaho Potato Conference, Pocatello, Idaho, January 2004.

Cultural management of new varieties. Presented as a workshop at the Idaho Potato Conference, Pocatello, Idaho, January 2004.

History and economics of the potato. Presented to the Idaho Falls East Rotary Club, Idaho Falls, Idaho, May 2003.

Genetic diversity in relation to disease and insect resistance: the Solanum experience. Presented as a guest lecture in UI Host Plant Resistance course, Moscow, Idaho, March 2003.

Irrigation management in drought conditions. Presented at the Bingham Cooperative Grower Seminar, Blackfoot, Idaho, February 2003.

Fertility guidelines for newer varieties. Presented as a workshop at the Idaho Potato Conference, Pocatello, Idaho, January 2003.

Impact of PVP on the Idaho seed industry. Presented at the ICIA area seed meetings, October, 2004.

Variety development: Current topics, issues, and PVP. Presented at the Idaho Potato Growers Annual Seed Seminar, Pocatello, Idaho, January 2003.

2002 descriptions of potato varieties and clones. Presented as a poster at the Idaho Potato Conference, Pocatello, Idaho, January 2003.

Irrigation. Presented as a workshop at the Idaho Potato Conference, Pocatello, Idaho, January 2003.

Potato variety development screening criteria. Presented as a poster at the Idaho Potato Conference, Pocatello, Idaho, January 2002.

2001 description of potato varieties and clones. Presented as a poster at the Idaho Potato Conference, Pocatello, Idaho, 2002.

Potato variety development screening criteria. Presented as a poster at the Idaho Potato Conference. Pocatello, Idaho, 2002.

2000 description of potato varieties and clones. Presented as a poster at the Idaho Potato Conference, Pocatello, Idaho. January 23-24, 2001.

Grants and Contracts Awarded:

2009:

Evaluation of Native and Adapted Plants for Landscape Use, Idaho Department of Agriculture Nursery and Florists Grant Program.	\$10,920
Evaluation of Native and Traditional Turfgrass Species for Low-Maintenance Lawns, Idaho Department of Agriculture Nursery and Florists Grant Program.	\$5,050
Native Sod Production, USDA/CSREES.	\$12,000
Turfgrass Management and Insect Control, United States Golf Association.	\$3,000
Improvements on the Hardy Rose Evaluation Plots, Aberdeen Rotary Club.	\$420
Studies on Billbug Control, DuPont Crop Protection.	\$4,000
Studies on Billbug Control, Syngenta.	\$2,000
Studies on Billbug Control, Valent USA Corp.	\$5,000
Studies on Billbug Control, Bayer Environmental Science.	\$1,500
Tree Insect Control, Bayer Corp.	\$1,000
Selection and Breeding of Native and Adapted Plant Varieties for Sustainable Southern Idaho Landscapes, Hatch Funds.	\$2,520
Living on the Land Stewardship Education Program, USDA/SARE Program Jointly with Kevin Laughlin, Cinda Williams, Mike Thornton, \$157,019 over three years, spending authority, \$30,000, 2006-2008.	\$157,019
2009 Total \$196,601	

2008:

Evaluation of Native and Adapted Plants for Landscape Use, Idaho Department of Agriculture Nursery and Florists Grant Program.	\$11,355
Evaluation of Native and Traditional Turfgrass Species for Low-Maintenance Lawns, Idaho Department of Agriculture Nursery and Florists Grant Program.	\$3,753
Nursery Technical Resource Center, Idaho Department of Agriculture Nursery and Florists Grant Program.	\$16,561
Evaluation of Miscanthus Species for Dry Matter Production, Idaho National Laboratory.	\$6,500
Billbug Monitoring in Southern Idaho, United States Golf Association.	\$3,000
Establishment of Turfgrass Research Plots, Idaho Golf Course Association.	\$2,000
Improvements on the Hardy Rose Evaluation Plots, Rotary District 5400.	\$500
Studies on Billbug Control, Arysta Life Sciences.	\$2,500
Studies on Billbug Control, Syngenta.	\$2,000
Studies on Billbug Control, Valent Corporation.	\$3,500
Studies on Billbug Control, Valent Corporation.	\$4,000
Studies on Billbug Control, Bayer Corporation.	\$1,000
Tree Insect Control, Bayer Corporation.	\$2,500
Studies on Turf Weed Control, Monsanto Corporation.	\$5,000
Selection and Breeding of Native and Adapted Plant Varieties for Sustainable Southern Idaho Landscapes, Hatch Funds.	\$2,522
Living on the Land Stewardship Education Program, USDA/SARE Program Jointly with Kevin Laughlin, Cinda Williams, Mike Thornton, \$157,019 over three years, spending authority, \$30,000, 2006-2008.	\$157,019
2008 Total \$223,710	

2007:

Evaluation of Native and Adapted plants for Landscape Use, Idaho Department of Agriculture Nursery and Florists Grant Program.	\$11,635
Collection of Native Plants From the Seven Devils Region of Idaho, Idaho Native Plant Society.	\$970
Development of Markets for Specialty Potato Varieties, Idaho Potato Commission.	\$6,940
Development of Consumer Horticulture Education Videos, University of Idaho Extension, Jointly with Tony McCammon.	\$3,000
Installation of Hardy Rose Garden Arbors, Rotary District 5400.	\$500
Studies on Billbug Control, Arysta Life Sciences, jointly with Tom Salaiz.	\$2,000
Studies on Billbug Control, Syngenta, jointly with Tom Salaiz.	\$1,600
Studies on Billbug Control, Bayer Corp., jointly with Tom Salaiz.	\$3,000
Studies on Billbug Control, DuPont, jointly with Tom Salaiz.	\$4,800
Billbug Monitoring, United States Golf Association, jointly with Tom Salaiz.	\$3,000
Tree Insect Control, Stephen L Love, Tom Salaiz, \$4,000, 2007, Bayer Corp.	
Selection and Breeding of Native and Adapted Plant Varieties for Sustainable Southern Idaho Landscapes, 2005 – 2010, Hatch Funds.	\$2,522/year
Living on the Land Stewardship Education Program, USDA/SARE Program Jointly with Kevin Laughlin, Cinda Williams, Mike Thornton, \$157,019 over three years, spending authority, \$30,000, 2006-2008.	\$157,019
2007 Total \$196,986	

2006:

Evaluation of Native and Adapted plants for Landscape Use, Idaho Department of Agriculture Nursery and Florists Grant Program.	\$11,820
Facilitation of Both a Statewide Arboretum Program and a New Plant Material Marketing System in Idaho, Idaho Department of Agriculture Nursery and Florists Grant Program.	\$4,835
Collection of Native Plants From the Owyhee Mountains for Evaluation as Landscape Plants, Idaho Native Plant Society.	\$770
Development of Markets for Specialty Potato Varieties, Idaho Potato Commission.	\$6,000
Establishment of a Hardy Rose Trial, Ifft Foundation	\$3,320

Establishment of a Memorial Rose Garden, Rotary District 5400.	\$500
Web Site Development – Community Horticulture in Idaho, University of Idaho Extension Jointly with Dan Barney, Bob Tripepi, Joanne Robbins, Marlene Fritz, Tom Salaiz, Don Pierce, Susan Bell.	\$9,700
Billbug Monitoring, Bayer and Arista Corporations, jointly with Tom Salaiz.	\$3,000
Establishment of Turfgrass Research Plots, Idaho Golf Course Superintendent’s Association Jointly with Tom Salaiz.	\$2,000
Selection and Breeding of Native and Adapted Plant Varieties for Sustainable Southern Idaho Landscapes, Hatch Funds.	\$2,522
Living on the Land Stewardship Education Program, USDA/SARE Program, over three years, Jointly with Kevin Laughlin, Cinda Williams, Mike Thornton, Others.	\$157,019
	2006 Total \$201,486

2005:

Specialty potato variety evaluation. Idaho Potato Commission.	\$6,000
Potato variety development and improvement in the Northwest. \$507,247 for 1 year, UI share (commitment for 1 additional year). Jointly with J.C. Stark (UI), A. Mosley (OSU), N.R. Knowles and M. Pavek (WSU). USDA/CSREES.	\$169,082
Evaluation of advanced potato selections. For 1 year (ongoing) USDA/ARS.	\$40,100
Chipping potato variety trials (ongoing). R&G Potato.	\$12,000
Potato breeding research. Jointly with J. Whitworth and R. Novy, Idaho Potato Commission	\$12,500
Snack Food Association chipping variety trials (ongoing). Snack Food Association.	\$3,000
	2005 Total \$242,682

2004:

Reducing exposure to drought risk in potato production systems, over two years. Jointly with J. Stark, B. King, and C. McIntosh. USDA-RMA/RED.	\$185,306
Potato variety development and improvement in the Northwest. \$562,000 for 1 year, UI share (commitment for 2 additional years). Jointly with A. Mosley (OSU) and R. Thornton (WSU). USDA/CSREES.	\$167,300
Evaluation of advanced potato selections, for 1 year (ongoing). USDA/ARS.	\$40,100
Chipping potato variety trials. (ongoing). R & G Potato.	\$12,000
Potato breeding research. Jointly with J. Whitworth and R. Novy. Idaho Potato Commission.	\$12,500
Snack Food Association chipping variety trials. (ongoing). Snack Food Association.	\$3,000
	2004 Total \$420,206

2003:

Automated potato grading system. Jointly with J. Miller. UI NSF EPSCoR instrumentation acquisition program.	\$37,675
Reducing exposure to drought risk in potato production systems. (over two years). Jointly with J. Stark, B. King, and C. McIntosh. USDA-RMA/RED.	\$185,306
Potato variety development and improvement in the Northwest. (for 1 year) with UI share \$187,300. (commitment for 2 additional years). Jointly with A. Mosley (OSU) and R. Thornton (WSU). USDA/CSREES.	\$562,000
Evaluation of advanced potato selections. (for 1 year, ongoing). USDA/ARS.	\$40,900
Germplasm screening. USDA/ARS. (with renewal for 3 years). Jointly with D. Corsini.	\$8,000
Chipping potato variety trials. (ongoing). R & G Potato.	\$12,000
Potato breeding research. Jointly with J. Whitworth and R. Novy. Idaho Potato Commission.	\$12,500
Snack Food Association chipping variety trials. (ongoing). Snack Food Association.	\$3,000
	2003 Total \$823,706

2002:

Potato variety development and improvement in the Northwest. S.L. Love, A.R. Mosley, and R.E. Thornton. \$560,000 with UI share \$186,666. USDA/CSREES. One year with commitment for three additional years.	\$186,666
Evaluation of advanced potato selections. USDA-ARS. One year.	\$40,700

USDA-ARS germplasm screening. Jointly with D.L. Corsini. Four years.	\$8,000
Chipping potato variety trials. R&G Potato. One year.	\$12,000
Potato breeding research. Jointly with R.D. Novy and D.L. Corsini. Idaho Potato Commission.	\$12,500
	2002 Total \$259,866

2001:

Potato variety development and improvement in the Northwest. S.L. Love, A.R. Mosley and R.E. Thornton. \$550,000 with UI share \$185,000. USDA/CSREES. One Year with commitment for four additional years.	\$185,000
Evaluation of advanced potato selections. USDA/ARS. One year.	\$40,700
USDA-ARS germplasm screening. Jointly with D.L. Corsini. USDA/ARS. Four years.	\$8,000
Chipping potato variety trials. R&G Potato. One year.	\$15,000
Screening new potato varieties for response to maleic hydrazide. S.L. Love. Uniroyal	\$1,500
Potato breeding research. Jointly with R.D. Novy and D.L. Corsini. Idaho Potato Commission.	\$12,500
Discrimination of potato quality and processability. Jointly with K. Huber. Idaho Potato Commission.	\$28,074
Storage requirements for new and "potential release" cultivars for the potato industry. Jointly with G. Kleinkopf. Idaho Potato Commission.	\$27,000
	2001 Total \$317,774

2000:

Potato improvement and development in the Northwest. CSREES. One year.	\$166,000
Evaluation of advanced potato selections for agronomic and quality characteristics. USDA/ARS. One year.	\$41,200
Germplasm screening. USDA/ARS. Jointly with D.L. Corsini. One Year.	\$4,000
Chipping potato variety trials. R&G Potato. One year.	\$15,000
N and P requirements for Chipeta. R&G Potato. One year.	\$8,000
Discrimination of potato quality and processability. Jointly with K. Huber. Idaho Potato Commission.	\$24,877
Storage Requirements for new and "potential release" cultivars for the potato industry. Jointly with G. Kleinkopf. Idaho Potato Commission.	\$27,000
	2000 Total \$259,077

SERVICE:

Major Committee Assignments:

National:

WERA-1013, Evaluation of Native Plants in the Intermountain Region, Founding Member 2008
Chair, 2009
Secretary, 2008
Plant Variety Protection Advisory Board (Appointed by the U.S. Secretary of Agriculture), 1995-99
USDA/ARS Program Review Committee, 2000

Regional:

Western Regional Committee, 1985-present; Chair, 1987
Computer Subcommittee, Chair, 1987-present
Chipping Trial Subcommittee, Chair, 1987-present
Northwest Potato Variety Development Committee, 1985-present
Chair, 1992-93, 1997-98
Secretary, 1991-92, 1996-97

University:

Intellectual Property Rights Committee, 2003-present

College:

Mentoring Committee, Ariel Agenbroad, 2008-present
CALs Administrative Committee, 2007-present
College of Agriculture Promotion and Tenure Committee, 2006-2008
PSES Department Head Selection Committee, 2006
Selection Committee, IAES Director, 2003
Foundation Seed Stocks Committee, 1987-2005
Potato Seed Allocation Committee, Chair, 1987-2005
Potato Variety Selection Committee, Chair, 1986-2005
Nuclear Seed Advisory Committee, 1986-2005

Departmental:

Promotion and Tenure Committee, Michael Thornton, Chair 2009
Selection Committee, Arboriculture Position, 2008
Selection Committee, Potato Storage Physiology Position, 2008
Selection Committee, Cropping Systems Position, 2008
Curriculum Committee, 2007-present
Mentoring Committee (Chair), Jianli Chen, 2008-present
Selection Committee, Potato Storage Physiology Position, 2007
Selection Committee, Wheat Breeding Position (Chair), 2007
Selection Committee, Scientific Aide, Aberdeen, 2006 (Stark position 1)
Selection Committee, Scientific Aide, Aberdeen, 2006 (Stark position 2)
Plant Virologist Selection Committee, 2005
Mentoring Committee (Chair), Jim Lorenzen, 2005
Selection Committee (Chair), Cereal Agronomist, 2003
PSES Curriculum Committee, 2003
Mentoring Committee, Juan Alvarez, 2003-present
Mentoring Committee, Jeff Miller, 2003-present
Mentoring Committee, Nora Olsen, 2003
Promotion and Tenure Committee, Phil Nolte, 2003
Promotion and Tenure Committee, Kerry Huber, 2003
Mentoring Committee, Juan Alvarez, 2001
Potato Team, Co-Leader, 2001-2005

Selection Committee, Cropping Systems Specialist, Idaho Falls, 2001
Selection Committee, Entomologist, Aberdeen, 2000
Selection Committee, Plant Pathologist, Aberdeen, 2000

R&E Center:

Facilities Committee, Chair, 2009
Twilight Tour Committee, 2009
Center Administrative Committee, 2009

Professional and Scholarly Organizations:

Intermountain Native Plant Growers Association, 2009
Board of Directors
Eriogonum Society, 2009
American Society for Horticultural Science, 1982-present
Tex Frazier Lecture Committee, 2007-present
American Penstemon Society, 2007-present
Journal Editor, 2007-present
North American Rock Garden Society, 2006-present
Idaho Native Plant Society, Sah-Wah-Be Chapter, 2006-present
Potato Association of America, 1985-present
Outstanding Paper Award Committee (Chair), 2008-present
Local Arrangements Committee, 2006-2007
Cover Editor, 2006-present
Editorial Board, 2001-present
Senior Editor, 2001-present
Variety Handbook Committee
Past President and member of the Executive Committee, 2000-01
Chair of the Honorary Life Member Committee, 2000-01
Chair of the Officer Nomination Committee, 2000-01
President, 1999-2000
President-Elect, 1998-99
Vice President, 1997-98
Director, 1994-97
Journal Format Committee, 1996-98
Variety Handbook Committee, 1994-97
Graduate Student Awards Committee, 1988-91; Chair, 1989-91
Honorary Life Member Selection Committee, 1997-2000
Directed efforts to modernize and reformat the *American Potato Journal*, now entitled *American Journal for Potato Research*, 1996-98

Community Service:

Aberdeen Gem Trail Committee, 2007-present
Aberdeen City Tree Committee, Chair, 1999-2002
Cross-Country Coach, Aberdeen High School, 1999-2007
Assistant Track Coach, Aberdeen High School, 1998-present
Boy Scout District Commissioner, 2003-present
Boy Scout Unit Coordinator, 1991-97
Varsity Scout District Chairman, 1989-91
Cub Scout Leader, 1987-91, 1998-present
Rotary Club, 1988-present
Secretary, 1994-present
President, 1992-93, 2007-2009
President Elect, 1991-92
Board of Directors, 1989-present

Honors and Awards:

Technology Transfer Award, Federal Consortium for Technology Transfer, 2002

Outstanding Paper Award, Potato Association of America, 1998
President's Certificate of Appreciation, Potato Association of America, 1997
Certificate of Appointment, Plant Variety Protection Board, 1995
State Team Award, Epsilon Sigma Phi, 1991