

**Idaho State Department of Agriculture
Nursery Advisory and Florists Advisory Committee
Research Grants (Approved and Denied)
and Educational Outreach Grants**

2020 Project #	\$ Amount Requested	\$ Amount Approved	\$ Amount Denied	\$ Amount Unused	Research / Education Project	Principal Investigator & Institution
NAC/ISDA 2020-1	\$ 7,403.00	\$ 7,403.00			<i>Cultural Alternatives to Manage Anthracnose Leaf Spot Disease in Greenhouses (\$3,701.50 paid on 3/12/2020) (\$3,701.50 balance remaining due)</i>	Andrew Steven Nelson, Ph.D., University of Idaho
NAC/ISDA 2020-2	\$ 9,920.00	\$ 9,920.00			<i>Developing Diagnostics and Evaluating Control Methods for Diseases of Woody Plants (\$4,960.00 paid on 3/12/2020) (\$4,960.00 balance remaining)</i>	James Woodhall, Ph.D., University of Idaho, Parma Research and Extension Center
NAC/ISDA 2020-3	\$ 9,206.00	\$ 9,206.00			<i>Molecular Characterization of Bacterial Communities in Container Crops Following Treatment with Liquid Biological Amendments (\$4,603.00 paid on 3/12/2020) (\$4,603.00 balance remaining due)</i>	Robert R. Tripepi, Ph.D., University of Idaho
NAC/ISDA 2020-4	\$ 12,990.00	\$ 12,990.00			<i>Determining Foliar Nutrient Contents of Invitro Little-Leaf Mockorange Shoots for Use in Spectral Imaging (\$6,495.00 paid on 3/12/2020) (\$6,495.00 balance remaining due)</i>	Robert R. Tripepi, Ph.D., University of Idaho
NAC/ISDA 2020-5	\$ 7,500.00	\$ 7,500.00			<i>Trees Are the Answer: Plant One Today (\$3,750.00 paid on 3/12/2020) (\$3,750.00 balance remaining)</i>	Ann Bates, Idaho Nursery & Landscape Association
NAC/ISDA 2020-6	\$ 6,000.00	\$ 6,000.00			<i>2021 Idaho Horticulture Expo Education (To be paid after the 2021 seminar and approved meeting)</i>	Ann Bates, Idaho Nursery & Landscape Association
NAC/ISDA 2020-7	\$ 8,900.00	\$ 8,900.00			<i>Establish a Cold-Hardiness Test Garden in Blaine County, Idaho (\$4,450.00 paid on 3/12/2020) (\$4,450.00 balance remaining due)</i>	Kathy Noble, LA, Sawtooth Botanical Garden
Total	\$ 61,919.00	\$ 61,919.00				
2019 Project #	\$ Amount Requested	\$ Amount Approved	\$ Amount Denied	\$ Amount Unused	Research / Education Project	Principal Investigator & Institution
NAC/ISDA 2019-1	\$ 2,623.00	\$ 2,623.00			<i>Overwatering and Overfertilizing Landscape Plants: Why This Behavior Happens and How It Affects Environmental Health (\$2,623.00 paid in full on 3/28/2019.)</i>	Linda Chalker-Scott, Ph.D., Washington State University
NAC/ISDA 2019-2	\$ 20,972.00	\$ 20,972.00			<i>UAV-Based In-Season Assessment of Fruit Trees (\$10,486.00 paid on 3/15/2019.) (\$10,486.00 balance remaining due.)</i>	Olga Walsh, Ph.D., Esmail Fallahi, Ph.D., Sanaz Shafian, Ph.D., University of Idaho
NAC/ISDA 2019-3	\$ 5,000.00	\$ 5,000.00			<i>2020 Idaho Horticulture Expo - Educational Seminars (Paid in full on 3/12/2020)</i>	Ann Bates, Idaho Nursery & Landscape Association
NAC/ISDA 2019-4	\$ 7,000.00	\$ 7,000.00			<i>The Perks of Plants Magazine (\$3,500.00 paid on 3/15/2019.) (\$3,500.00 paid on 3/12/2020.)</i>	Ann Bates, Idaho Nursery & Landscape Association

NAC/ISDA 2019-5	\$ 9,754.00	\$ 9,754.00		\$ 2,075.82	<i>Establishing a Native Plant Trial Garden in Sandpoint (\$4,877.00 paid on 3/15/2019.) (\$4,877.00 paid on 3/12/2020.) (8/20/2020 Rec'd unused refund of \$2,075.82)</i>	Robert R. Tripepi, Ph.D., Stephen L. Love, Ph.D., Jennifer Jensen, University of Idaho
Total	\$ 45,349.00	\$ 45,349.00		\$ 2,075.82		
2018 Project #	\$ Amount Requested	\$ Amount Approved	\$ Amount Denied	\$ Amount Unused	Research/Education Project	Principal Investigator & Institution
NAC/ISDA 2018-1	\$ 6,516.00	\$ 6,516.00			<i>Fungal Canker and Vascular Diseases as a Threat to Woody Plant Health in Idaho (\$3,258.00 paid on 4/24/2018.) (Balance of 3,258.00 paid on 3/15/2019.)</i>	James Woodhall, Ph.D., University of Idaho
NAC/ISDA 2018-2	\$ 15,533.00	\$ 15,000.00	\$ 533.00		<i>Precision Crop Sensing and UAV Extension Outreach (\$7,500.00 paid on 4/24/2018.) (Balance of \$7,500.00 paid on 3/15/2019.)</i>	Olga Walsh, Ph.D., University of Idaho
NAC/ISDA 2018-3	\$ 4,000.00	\$ 4,000.00			<i>Awareness Campaign for Taxus Yew (\$4,000.00 paid in full on 4/24/2018.)</i>	Ann Bates, Idaho Nursery & Landscape Association
NAC/ISDA 2018-4	\$ 5,000.00	\$ 5,000.00			<i>2019 Idaho Horticulture Expo - Educational Seminars (\$5,000.00 paid in full on 3/15/2019.)</i>	Ann Bates, Idaho Nursery & Landscape Association
NAC/ISDA 2018-5	\$ 6,000.00	\$ 6,000.00			<i>The Right Plant in the Right Place - Consumer Magazine (\$3,000.00 paid on 4/24/2018.) (Balance of \$3,000.00 paid on 3/15/2019.)</i>	Ann Bates, Idaho Nursery & Landscape Association
Total	\$ 37,049.00	\$ 36,516.00	\$ 533.00			
2017 Project #	\$ Amount Requested	\$ Amount Approved	\$ Amount Denied	\$ Amount Unused	Research/Education Project	Principal Investigator & Institution
NAC/ISDA 2017-1	\$ 9,000.00	\$ 8,450.00	\$ 550.00		<i>Developing Rapid On-Site Diagnostic Methods for Fungal Plant Pathogens (\$4,225.00 paid on 4/10/2017.) (Balance of \$4,225.00 paid on 4/24/2018.)</i>	James Woodhall, Ph.D., University of Idaho
NAC/ISDA 2017-2	\$ 5,000.00	\$ 5,000.00			<i>2018 Idaho Horticulture Expo Seminars - Education (\$5,000.00 paid in full on 4/24/2018.)</i>	Ann Bates, Idaho Nursery & Landscape Association
NAC/ISDA 2017-3	\$ 6,000.00	\$ 6,000.00			<i>Plant Something Consumer Magazine (\$3,000.00 paid on 4/4/2017.) (Balance of \$3,000.00 paid in full on 4/24/2018.)</i>	Ann Bates, Idaho Nursery & Landscape Association
Total	\$ 20,000.00	\$ 19,450.00	\$ 550.00			
2016 Project #	\$ Amount Requested	\$ Amount Approved	\$ Amount Denied	\$ Amount Unused	Research/Education Project	Principal Investigator & Institution
NAC/ISDA 2016-1	\$ 5,000.00	\$ 5,000.00			<i>2017 Idaho Horticulture Expo Seminars - Education (Paid in full on 4/4/2017.)</i>	Ann Bates, Idaho Nursery & Landscape Association
NAC/ISDA 2016-2	\$ 2,101.00	\$ 2,101.00		\$ 2,101.00	<i>Updates to White Weevil Control (\$2,101.00 paid in full on 6/7/2016.) (Extension request received 9/12/2016. Expires 12/2017.) (1/4/2017 received</i>	Jennifer Jensen, University of Idaho Extension, Sandpoint
Total	\$ 7,101.00	\$ 7,101.00		\$ 2,101.00		
2015 Project #	\$ Amount Requested	\$ Amount Approved	\$ Amount Denied	\$ Amount Unused	Research/Education Project	Principal Investigator & Institution

NAC/ISDA 2015-1	\$ 2,096.00	\$ 2,055.00	\$ 41.00		Exploring Procedures for Establishing Naturalized Wildflower Plantings in Urban and Suburban Sites (\$2,055.00 paid in full on 5/14/2015.) (Extension request received 12/9/2015. Expires 12/2016.)	Stephen L. Love, Ph.D., University of Idaho
NAC/ISDA 2015-2	\$ 15,556.00	\$ 14,000.00	\$ 1,556.00		Improvement, Propagation, and Commercialization of Native Plants for Water-Conserving and Traditional Landscapes (\$7,000.00 paid on 5/14/2015.) (Extension request received 12/9/2015. Expires 12/2016.) (Balance of \$7,000.00 paid on 4/4/2017.)	Stephen L. Love, Ph.D., University of Idaho
NAC/ISDA 2015-3	\$ 23,506.00	\$ 16,000.00	\$ 7,506.00		Comparison of Biochar Sources Used in Potting Mixes (\$8,000.00 paid on 5/14/2015.) (Extension request received 12/9/2015. Expires 12/2016.) (Balance of \$8,000.00 paid on 4/4/2017.)	Robert R. Tripepi, Ph.D., University of Idaho
NAC/ISDA 2015-4	\$ 20,367.00	\$ -	\$ 20,367.00		Effects of Fertility Applied Through Sub-Irrigation on Arrowleaf Balsamroot	Kent G. Apostol, Ph.D., University of Idaho
NAC/ISDA 2015-5	\$ 5,000.00	\$ 5,000.00			2016 Idaho Horticulture Expo Seminars - Education (Paid in full on 5/10/2016.)	Ann Bates, Idaho Nursery & Landscape Association
NAC/ISDA 2015-6	\$ 11,343.00	\$ 9,000.00	\$ 2,343.00		Turf Management Effects on Annual Broadleaf Weed Invasion and Field Bindweed Management in a Kentucky Bluegrass Turf (\$4,500.00 paid on 5/14/2015.) (Extension request received 12/9/2015. Expires 12/2016.) (Balance of \$4,500.00 paid on	Don W. Morishita, Ph.D., University of Idaho
Total	\$ 77,868.00	\$ 46,055.00	\$ 31,813.00			
2014 Project #	\$ Amount Requested	\$ Amount Approved	\$ Amount Denied	\$ Amount Unused	Research/Education Project	Principal Investigator & Institution
NAC/ISDA 2014-1	\$ 12,036.00	\$ 12,036.00			Improvement, Propagation, and Commercialization of Native Plants for Water-Conserving and Traditional Landscapes (\$6,018.00 paid on 3/5/2014.) (Balance of \$6,018.00 paid on 5/14/2015.)	Stephen L. Love, Ph.D., University of Idaho
NAC/ISDA 2014-2	\$ 1,770.00	\$ 1,770.00			Exploring Procedures for Establishing Naturalized Wildflower Plantings in Urban and Suburban Sites (\$1,770.00 paid in full on 3/5/2014.)	Stephen L. Love, Ph.D., University of Idaho
NAC/ISDA 2014-3	\$ 5,000.00	\$ 5,000.00			2015 Educational Seminar at the Idaho Horticulture Expo. January 21-23, 2015 (Paid in full on 5/14/2015.)	Ann Bates, Idaho Nursery & Landscape Association
NAC/ISDA 2014-4	\$ 13,575.00	\$ 13,575.00		\$ 511.06	Turf Management Effects on Annual Broadleaf Weed Invasion and Field Bindweed Management in a Kentucky Bluegrass Turf (\$6,787.50 paid on 3/5/2014.) (\$511.06 unused. Balance due \$6,276.44.) (Balance of \$6,276.44 paid on 5/14/2015.)	Don Morishita, Ph.D., University of Idaho
NAC/ISDA 2014-5	\$ 3,000.00	\$ 3,000.00			A Regional Conference for Green Industry in North Idaho (\$3,000.00 paid in full on 3/5/2014.)	Michael E. Bauer, University of Idaho Extension
NAC/ISDA 2014-6	\$ 11,121.00	\$ 11,121.00		\$ 723.33	Determining Tissue Culture Propagation Procedures for Selected Native Plants (\$5,560.50 paid on 3/5/2014.) (\$723.33 unused. Balance due \$4,837.17.) (Balance of \$4,837.17 paid on 5/14/2015.)	Robert R. Tripepi, Ph.D., Stephen L. Love, Ph.D., University of Idaho

Total	\$ 46,502.00	\$ 46,502.00	\$ -	\$ 1,234.39		
2013 Project #	\$ Amount Requested	\$ Amount Approved	\$ Amount Denied	\$ Amount Unused	Research/Education Project	Principal Investigator & Institution
NAC/ISDA 2013-1	\$ 5,000.00		\$ 5,000.00		<i>Beneficial Influence of Humic Substance on Soil, Plant Health, and Crop Production.</i>	Mir M. Seyedbagheri, University of Idaho, Elmore County Extension
NAC/ISDA 2013-2	\$ 2,000.00		\$ 2,000.00		<i>Locally-Produced, After-Harvest Organic Materials as Peat Replacements.</i>	Linda Chalker-Scott, Ph.D., Washington State University
NAC/ISDA 2013-3	\$ 11,810.00	\$ 11,810.00			<i>Improvement and Propagation of Native Plants for Water-Conserving and Traditional Landscapes. (\$5,905.00 paid 3/13/2013.) (Balance of \$5,905 paid in full on 3/5/2014.)</i>	Stephen L. Love, Ph.D., University of Idaho
NAC/ISDA 2013-4	\$ 4,896.00	\$ 4,896.00			<i>Establishing Naturalized Wildflower Plantings in Urban and Suburban Sites. (\$4,896.00 paid in full</i>	Stephen L. Love, Ph.D., University of Idaho
NAC/ISDA 2013-5	\$ 18,325.00	\$ 18,325.00		\$ 4,685.45	<i>Determining the Effects of Biochar-Amended Potting Mixes on Native Plant Production. (\$9,162.50 paid 3/13/2013.) (\$4,233.27 paid on 3/5/2014.) (\$243.78 paid on 4/8/2014.) (\$4,685.45 balance unused.)</i>	Robert R. Tripepi, Ph.D., University of Idaho
NAC/ISDA 2013-6	\$ 5,000.00	\$ 5,000.00			<i>2014 Educational Seminar at the Idaho Horticulture Expo. January 22-24, 2014 (Paid in full on 3/5/2014.)</i>	Ann Bates, Idaho Nursery & Landscape Association
Total	\$ 47,031.00	\$ 40,031.00	\$ 7,000.00	\$ 4,685.45		
2012 Project #	\$ Amount Requested	\$ Amount Approved	\$ Amount Denied	\$ Amount Unused	Research/Education Project	Principal Investigator & Institution
NAC/ISDA 2012-1	\$ 14,492.00	\$ 14,492.00			<i>Improvement and Propagation of Native Plants for Water-Conserving and Traditional Landscapes (\$7,246 paid 3/15/2012.) (Balance \$7,246.00 paid</i>	Stephen L. Love, Ph.D., University of Idaho
NAC/ISDA 2012-2	\$ 3,527.00	\$ 3,527.00			<i>Irrigation and Nitrogen Fertilization Effects on White Clover Persistence in a Kentucky Bluegrass Turf (\$3,527 paid in full 3/15/2012.)</i>	Tom Salaiz, University of Idaho
NAC/ISDA 2012-3	\$ 2,076.00	\$ 2,076.00			<i>Native Plant Tolerance to Several Pre- and Postemergence Herbicides (\$2,076 paid in full 3/15/2012.)</i>	Don Morishita, Ph.D., University of Idaho
NAC/ISDA 2012-4	\$ 28,836.00		\$ 28,836.00		<i>The Economic Impacts of Hispanic Labor on Idaho's Horticultural Industry</i>	Philip Watson, Ph.D.
NAC/ISDA 2012-5	\$ 30,157.50		\$ 30,157.50		<i>Economic Impact of the Green Industry in Idaho</i>	Stephanie L. Kane, University of Idaho
NAC/ISDA 2012-6	\$ 13,389.00	\$ 13,389.00			<i>Testing Effectiveness of Four Idaho All Natural Fertilizers/Additives on Selected Herbaceous and Wood Plants (\$6,694.50 paid 3/15/2012.) (Balance \$6,694.50 paid 3/14/2013.)</i>	Robert R. Tripepi, Ph.D., University of Idaho
NAC/ISDA 2012-7	\$ 17,300.00		\$ 17,300.00		<i>Using Fertilizers to Adjust pH of a Manure-Amended Potting Mix</i>	Robert R. Tripepi, Ph.D., University of Idaho

NAC/ISDA 2012-8	\$ 3,500.00	\$ 3,500.00			<i>Plant Something Awareness Campaign (\$3,500 paid in full 3/14/2012.)</i>	Ann Bates, Idaho Nursery & Landscape Association
Educational Outreach 2012	\$ 5,000.00	\$ 5,000.00			<i>Idaho Nursery and Landscape Association Idaho Horticulture Expo Seminars (January 18-20, 2012) (\$5,000 paid on 11/28/2011.)</i>	Ann Bates, Idaho Nursery & Landscape Association
Educational Outreach 2013	\$ 5,000.00	\$ 5,000.00			<i>2013 Educational Seminar at the Idaho Horticulture Expo. January 23-25, 2013 (\$5,000 paid 2/22/2013.)</i>	Ann Bates, Idaho Nursery & Landscape Association
Total	\$ 123,277.50	\$ 46,984.00	\$ 76,293.50			
2011 Project #	\$ Amount Requested	\$ Amount Approved	\$ Amount Denied	\$ Amount Unused	Research/Education Project	Principal Investigator & Institution
NAC/ISDA 2011-1 (see explanation of final \$\$ under Research/ Education Project)	\$ 2,500.00	\$ 700.00	\$ 1,800.00		<i>A Certified Nursery Professional Training Program for Idaho (\$2,500 was denied on 1/22/2011 and a proposed \$700 was approved if it was resubmitted.) (\$700 paid in full 2/25/2011.)</i>	Michael E. Bauer, University of Idaho Extension
NAC/ISDA 2011-2 (see explanation of final \$\$ under Research/ Education Project)	\$ 14,132.00	\$ 8,500.00	\$ 5,632.00		<i>Native Plant Tolerance to Several Pre- and Post-emergence Herbicides (\$14,132 was denied on 1/22/2011 and a proposed \$8,500 was approved if it was resubmitted.) (\$4,250 paid 4/25/2011.) (Balance of \$4,250 paid on 3/15/2012.)</i>	Don Morishita, Ph.D., University of Idaho
NAC/ISDA 2011-3	\$ 13,040.00	\$ 13,040.00			<i>Irrigation and Nitrogen Fertilization Effects on White Clover Persistence in a Kentucky Bluegrass Turf (\$6,520 paid on 4/25/2011.) (Balance of \$6,520 paid on 3/15/2012.)</i>	Tom Salaiz, University of Idaho
NAC/ISDA 2011-4	\$ 22,750.00	\$ 22,750.00			<i>Improvement and Propagation of Native Plants for Water-Conserving and Traditional Landscapes (\$11,375 paid on 4/25/2011.) (\$11,375 paid on</i>	Stephen L. Love, Ph.D., University of Idaho
NAC/ISDA 2011-5	\$ 6,680.00		\$ 6,680.00		<i>Studies to Improve Establishment of Wildflower Meadow Plantings in Urban and Suburban Sites</i>	Stephen L. Love, Ph.D., University of Idaho
NAC/ISDA 2011-6	\$ 8,250.00		\$ 8,250.00		<i>Mutation Breeding of Penstemon for Use in the Green Industry</i>	Brad Geary, Ph.D., Brigham Young University
NAC/ISDA 2011-7	\$ 16,334.00	\$ 13,369.00	\$ 2,965.00		<i>Testing Effectiveness of Four Idaho All Natural Fertilizers/Additives on Selected Herbaceous and Woody Plants (\$16,334 was denied on 1/22/2011 and a revised proposal will be considered if it was resubmitted.) (\$6,684.50 paid 6/22/2011.) (Balance \$6,684.50 paid 3/15/2012.)</i>	Robert R. Tripepi, Ph.D., University of Idaho
NAC/ISDA 2011-8	\$ 17,900.00	\$ 11,949.00	\$ 5,921.00	\$ 95.02	<i>Using Sulfur to Adjust the pH of a Manure-Amended Potting Mix (\$17,900 was denied. Proposed \$12,000 was approved if it was resubmitted) (\$5,974.50 paid 3/14/11) (\$5,879.48 paid 3/15/12)</i>	Robert R. Tripepi, Ph.D., University of Idaho
Educational Outreach	\$ 5,000.00	\$ 5,000.00			<i>Idaho Nursery & Landscape Association Idaho Horticulture Expo (January 19-21, 2011) (Paid on 1/12/11)</i>	Ann Bates, Idaho Nursery & Landscape Association
Nursery Survey 2010	\$ 1,800.00	\$ 1,800.00			<i>Idaho Nursery Survey (Paid on 4/14/11)</i>	Vince Matthews, USDA-NASS

Total	\$ 108,386.00	\$ 77,108.00	\$ 31,248.00	\$ 95.02		
2010 Project #	\$ Amount Requested	\$ Amount Approved	\$ Amount Denied	\$ Amount Unused	Research/Education Project	Principal Investigator & Institution
NAC/ISDA 2010-1	\$ 12,935.00	\$ 12,935.00			<i>Improvement and Propagation of Native Plants for Water-Conserving and Traditional Landscapes (\$6,467.50 paid on 2/25/10) (Paid \$6,467.50 on</i>	Stephen L. Love, Ph.D., University of Idaho
NAC/ISDA 2010-2	\$ 4,950.00	\$ 4,950.00			<i>Evaluation of Native and Traditional Turfgrass Species for Low- Maintenance Lawns (Paid on 2/25/10)</i>	Thomas A. Salaiz, University of Idaho
NAC/ISDA 2010-3	\$ 15,000.00	\$ 7,000.00	\$ 8,000.00		<i>Alternative Plants to Invasive Species Landscaping Publication (\$15,000 was denied on 1/23/10 & proposed \$2,000 was approved) (\$2,000 paid 2/25/10) (Additional \$5,000 printing costs approved by NAC by email & paid on 10/1/10)</i>	Ann Bates, Idaho Nursery & Landscape Association
NAC/ISDA 2010-4	\$ 2,400.00		\$ 2,400.00		<i>Alternative Potting Media Components: A Scientific Review</i>	Linda Chalker-Scott, Ph.D., Washington State University
NAC/ISDA 2010-5	\$ 34,299.09		\$ 34,299.09		<i>Economic Importance of the Green Industry in Idaho</i>	J.D. Wulfhorst, Ph.D., University of Idaho
NAC/ISDA 2010-6	\$ 16,334.00	\$ 16,334.00			<i>Testing Effectiveness of New All Natural Fertilizers/Additives on Selected Herbaceous and Woody Plants (Paid \$8,167 on 2/25/10) (Paid \$8,167 on 2/23/11)</i>	Robert R. Tripepi, Ph.D., Joseph Kuhl, University of Idaho
NAC/ISDA 2010-7	\$ 4,970.00	\$ 4,970.00			<i>Microbial Analyses of and Plant Growth in Composted Cattle Biosolids Sampled Over Time (Paid on 2/25/10)</i>	Robert R. Tripepi, Ph.D., Joseph Kuhl, University of Idaho
NAC/ISDA 2010-8	\$ 7,800.00	\$ 7,800.00			<i>Mutation Breeding of Penstemon for Use in the Green Industry (Paid \$3,900 on 3/5/10) (Paid \$3,900 on 2/23/11)</i>	Brad Geary, Ph.D., Brigham Young University
Nursery Survey 2009	\$ 1,800.00	\$ 1,800.00			<i>Idaho Nursery Survey (Paid 4/5/10)</i>	Vince Matthews, USDA-NASS
Educational Outreach	\$ 5,000.00	\$ 5,000.00			<i>Idaho Nursery & Landscape Association Idaho Horticulture Expo (January 20-23, 2010) (Paid</i>	Ann Bates, Idaho Nursery & Landscape Association
Total	\$ 105,488.09	\$ 60,789.00	\$ 44,699.09			
2009 Project #	\$ Amount Requested	\$ Amount Approved	\$ Amount Denied	\$ Amount Unused	Research/Education Project	Principal Investigator & Institution
NAC/ISDA 2009-1	\$ 10,920.00	\$ 10,920.00		\$ 139.09	<i>Evaluation of Native and Adapted Plants for Landscape Use (Paid \$5,460 on 3/09) (Paid \$5,460 on 2/25/10) (Unused \$139.09 received 3/26/10)</i>	Stephen L. Love, Ph.D., University of Idaho
NAC/ISDA 2009-2	\$ 5,050.00	\$ 5,050.00			<i>Evaluation of Native and Traditional Turfgrass Species for Low- Maintenance Lawns (Paid \$5,050 on 3/3/09)</i>	Thomas A. Salaiz, University of Idaho
NAC/ISDA 2009-3	\$ 23,434.00	\$ 23,434.00		\$ 4,821.99	<i>Determining Salt Leachate Rate and Suitability of Potting Mixes Amended with Anaerobic Digested Cattle Biosolids (Paid \$11,717 on 3/3/09) (2/25/10 paid \$11,717) (Unused \$4,821.99 received 9/3/10)</i>	Robert R. Tripepi, Ph.D., University of Idaho

Educational Outreach	\$ 5,000.00	\$ 5,000.00			Idaho Nursery & Landscape Association Idaho Horticulture Expo (January 21-23, 2009) (Paid \$5,000 on 1/5/09)	Ann Bates, INLA
Nursery Survey 2008	\$ 1,800.00	\$ 1,800.00			Nursery Industry Survey (Paid \$1,800 on 02/25/09)	Bill Meyer, USDA-NASS
Total	\$ 46,204.00	\$ 46,204.00		\$ 4,961.08		
2008 Project #	\$ Amount Requested	\$ Amount Approved	\$ Amount Denied	\$ Amount Unused	Research/Education Project	Principal Investigator & Institution
NAC/ISDA 2008-1	\$ 5,000.00	\$ 5,000.00			Managing New and Emerging Virus Threats to the Green Industry (Paid \$5,000 on 3/12/08)	Hanu R. Pappu, Ph.D., Washington State University
NAC/ISDA 2008-2	\$ 11,355.00	\$ 11,355.00			Evaluation of Native and Adapted Plants for Landscape Use (Paid \$5,677.50 on 3/3/08) (Paid \$5,677.50 on 3/3/09)	Stephen L. Love, Ph.D., University of Idaho
NAC/ISDA 2008-3	\$ 3,753.00	\$ 3,753.00			Evaluation of Native and Traditional Turfgrass Species for Low- Maintenance Lawns (Paid \$3,753 on 3/3/08)	Thomas A. Salaiz, University of Idaho
NAC/ISDA 2008-4	\$ 16,561.00	\$ 16,561.00		\$ 7,061.55	Nursery Technical Resource Center (Paid \$8,280.50 on 3/3/08) (Paid \$8,280.50 on 3/3/09) (Unused \$7,061.55 refunded 3/4/10)	Danny L. Barney, Ph.D.; Stephen L. Love, Ph.D.; Robert R. Tripepi, Ph.D., University of
NAC/ISDA 2008-5	\$ 26,340.00	\$ 26,340.00			Native Plants Production in Potting Media Amended with Anaerobic Digested Cattle Biosolids (Paid \$13,170 on 3/3/08) (Paid \$13,170 on 3/3/09)	Robert R. Tripepi, Ph.D., University of Idaho
NAC/ISDA 2008-6	\$ 13,970.00		\$ 13,970.00		Ornamental Quality Ratings of Malus Cultivars	Michael Bauer, University of Idaho Extension
Educational Outreach	\$ 5,500.00	\$ 5,500.00			Idaho Nursery & Landscape Association Idaho Horticulture Expo (January 16-18, 2008) (\$5,500 paid on 1/2/08)	Ann Bates, INLA
Nursery Survey 2007	\$ 1,000.00	\$ 1,000.00			Nursery Industry Survey (\$1,000 paid on 05/13/08)	Bill Meyer, USDA-NASS
Total	\$ 83,479.00	\$ 69,509.00	\$ 13,970.00	\$ 7,061.55		
2007 Project #	\$ Amount Requested	\$ Amount Approved	\$ Amount Denied	\$ Amount Unused	Research/Education Project	Principal Investigator & Institution
NAC/ISDA 2007-1	\$ 5,996.00	\$ 5,996.00		\$ 1,433.22	Improving Rooting of Pinyon Pine Seedlings by Using Naphthaleneacetic Acid Treatments (Paid \$2,998 on 3/13/07) (Paid \$2,998 on 3/3/08) (Unused \$1,433.22 returned on 6/25/08)	Robert R. Tripepi, Ph.D., University of Idaho
NAC/ISDA 2007-2	\$ 14,471.00	\$ 14,471.00		\$ 155.94	Production of Native Plants in Potting Media Amended with Flushed Cattle Biosolids (Paid \$7,235.50 on 3/13/07) (Paid \$7,235.50 on 3/3/08) (Unused \$155.94 returned on 6/25/08)	Robert R. Tripepi, Ph.D., University of Idaho
NAC/ISDA 2007-3	\$ 6,580.00		\$ 6,580.00		Evaluation and Selection of Native Woody Plants for the Intermountain Region	William A. Hoch, Ph.D., Montana State University
NAC/ISDA 2007-4	\$ 8,280.00	\$ 8,280.00			Breeding Native Western Plants for Use in the Green Industry (Paid \$4,140 on 3/13/07) (Paid \$4,140 on 3/3/08)	Brad Geary, Ph.D., Brigham Young University

NAC/ISDA 2007-5	\$ 11,670.00	\$ 11,670.00		\$ 791.86	<i>Evaluation of Native and Adapted Plants for Landscape Use (Paid \$5,835.50 on 3/13/07) (Paid \$5,837.50 on 3/3/08.) (Unused \$791.86 refunded on</i>	Stephen L. Love, Ph.D., University of Idaho
NAC/ISDA 2007-6	\$ 10,000.00		\$ 10,000.00		<i>Development of Improved Landscape Plants (continuation)</i>	Harold Pellett, Ph.D., Landscape Plant Development
Nursery Survey 2006	\$ 1,000.00	\$ 1,000.00			<i>Nursery Industry Survey (\$1,000 paid on 8/8/07)</i>	William Meyer, Idaho Agricultural Statistics Service,
Educational Outreach	\$ 3,000.00	\$ 3,000.00			<i>Horticulture Research Institute (Paid 1/7/08)</i>	c/o Teresa Jodon, Horticulture Research Institute
Total	\$ 60,997.00	\$ 44,417.00	\$ 16,580.00	\$ 2,381.02		
2006 Project #	\$ Amount Requested	\$ Amount Approved	\$ Amount Denied	\$ Amount Unused	Research/Education Project	Principal Investigator & Institution
NAC/ISDA 2006-1	\$ 11,820.00	\$ 11,820.00			<i>Evaluation of Native and Adapted Plants for Landscape Use (Paid \$5,910 on 3/15/06) (Paid</i>	Steven L. Love, Ph.D. & Thomas A. Salaiz, University of
NAC/ISDA 2006-2	\$ 4,835.00	\$ 4,835.00		\$ 1,291.96	<i>Facilitation of Both a Statewide Arboretum Program and a New Plant Material Marketing System in Idaho (Paid \$4,835 on 3/15/06) (Unused \$1,291.96 refunded on 4/3/07)</i>	Steven L. Love, Ph.D., University of Idaho
NAC/ISDA 2006-3	\$ 4,600.00	\$ 4,600.00			<i>Evaluation of Corkbark and Subalpine Fir for their Potential as Ornamental Nursery Stock and Christmas Trees (Paid \$4,600 on 3/15/06)</i>	Danny L. Barney, Ph.D., University of Idaho
NAC/ISDA 2006-4	\$ 15,000.00		\$ 15,000.00		<i>Lake Pend Oreille Shoreline Landscape Education and Demonstration Project</i>	Linda O'Hare; Lance Holloway, Bonner Soil and Water Conservation District, Sandpoint; Idaho State Department of Agriculture
NAC/ISDA 2006-5	\$ 10,000.00	\$ 5,000.00	\$ 5,000.00		<i>Development of Improved Landscape Plants (Paid \$5,000 on 2/23/06) (\$10,000 was originally denied and a proposed \$5,000 was approved.)</i>	Harold Pellett, Ph.D., Landscape Plant Development Center, Minnesota
NAC/ISDA 2006-6	\$ 8,040.00	\$ 8,040.00			<i>Using Shade to Improve Transplant Survival of Pinyon Pine and Sub- alpine Fir Seedlings (Paid \$4,020 on 3/15/06) (Paid \$4,020 on 9/13/07)</i>	Robert R. Tripepi, Ph.D., University of Idaho
NAC/ISDA 2006-7	\$ 4,520.00	\$ 4,520.00			<i>Growing Pinyon Pine and Sub-alpine Fir Seedlings in Fabric and Plastic Containers (Paid \$4,520 on</i>	Robert R. Tripepi, Ph.D., University of Idaho
NAC/ISDA 2006-8	\$ 19,050.00	\$ 19,050.00			<i>Effects of Wedgle-Injected Plant Growth Regulator Flurprimidol on Herbivory and Stress Resistance in Patmore Green Ash (<i>Fraxinus pennsylvanica</i> 'Patmore') (Paid \$9,525 on 3/15/06) (Paid \$9,525 on 3/13/07)</i>	John E. Lloyd, Ph.D., University of Idaho
NAC/ISDA 2006-9	\$ 16,700.00	\$ 1,000.00	\$ 15,700.00	\$ 1,000.00	<i>Impact of Mycorrhizal Root Dip on the Transplant Success of Ornamental Trees (Paid \$1,000 on 3/15/06) (\$16,700 was denied but \$1,000 funding of preliminary data collection was approved; \$1,000</i>	John E. Lloyd, Ph.D., University of Idaho

Nursery Survey 2005	\$ 1,000.00	\$ 1,000.00			Nursery Industry Survey (Paid \$1,000 06/06.)	William Meyer, Idaho Agricultural Statistics Service, USDA
Educational Outreach	\$ 3,000.00	\$ 3,000.00			Idaho Nursery & Landscape Association Idaho Horticulture Expo (January 18-20, 2006) (Paid \$3,000 on 02/23/06)	Ann Bates, INLA
Total	\$ 98,565.00	\$ 62,865.00	\$ 35,700.00	\$ 2,291.96		
2005 Project #	\$ Amount Requested	\$ Amount Approved	\$ Amount Denied	\$ Amount Unused	Research/Education Project	Principal Investigator & Institution
NAC/ISDA 2005-1	\$ 10,000.00	\$ 5,000.00	\$ 5,000.00		Development of Improved Landscape Plants (\$10,000 was originally denied & a proposed \$5,000 was approved.) (Paid \$5,000 on 3/11/05)	Harold Pellet, Ph.D., Landscape Plant Development Center, Minnesota
NAC/ISDA 2005-2	\$ 23,391.85	\$ 23,391.85			How the Green Industry Impacts Idaho (Paid \$11,695.93 on 3/11/05) (Paid \$11,695.92 on 8/25/06)	Sandra E. Cann, Ph.D.; J.D. Wulfhorst, Ph.D., University of Idaho
NAC/ISDA 2005-3	\$ 4,600.00	\$ 4,600.00			Evaluation of Cork Bark and Subalpine Fir for Their Potential as Ornamental Nursery Stock and Christmas Trees (continuation) (Paid \$4,600 on 3/10/05)	Danny L. Barney, Ph.D., University of Idaho
NAC/ISDA 2005-4	\$ 10,836.00	\$ 10,836.00			Using Auxin Treatments to Improve Pinyon Pine Transplant Survival (Paid \$5,418 on 3/10/05) (Paid \$5,418 on 3/15/06)	Robert R. Tripepi, Ph.D., University of Idaho
NAC/ISDA 2005-5	\$ 13,966.00		\$ 13,966.00		Transplanting Grand Fir to a Gravel Bed	Robert R. Tripepi, Ph.D., University of Idaho
Nursery Survey 2004	\$ 1,000.00	\$ 1,000.00			Nursery Industry Survey (\$1,000 paid on 6/05)	Don Gerhardt, Idaho Agricultural Statistics Service,
Educational Outreach	\$ 2,000.00	\$ 2,000.00			Horticultural Research Institute (\$2,000 paid on 03/05)	Horticultural Research Institute
Educational Outreach	\$ 2,371.70	\$ 2,371.70			Idaho State Florist Association (\$2,371.70 paid on	Idaho State Florist Association
Total	\$ 68,165.55	\$ 49,199.55	\$ 18,966.00			
2004 Project #	\$ Amount Requested	\$ Amount Approved	\$ Amount Denied	\$ Amount Unused	Research/Education Project	Principal Investigator & Institution
NAC/ISDA 2004-1	\$ 4,258.00	\$ 4,258.00			Holding Bareroot Colorado Spruce Trees in a Gravel Bed (Paid \$4,258 on 2/20/04)	Robert R. Tripepi, Ph.D. & John E. Lloyd, Ph.D., University of Idaho
NAC/ISDA 2004-2	\$ 8,398.00	\$ 8,398.00			Evaluating Pinyon Pine and Subalpine Fir Root Growth in a Gravel Bed Growing System (Paid \$4,199 on 2/20/04) (Paid \$4,199 on 3/10/05)	Robert R. Tripepi, Ph.D., University of Idaho
NAC/ISDA 2004-3	\$ 3,700.00	\$ 3,700.00			Evaluation of Corkbark and Subalpine Fir for Their Potential as Ornamental Nursery Stock and Christmas Trees (continuation) (Paid \$3,700 on 2/20/04)	Danny L. Barney, Ph.D., University of Idaho
NAC/ISDA 2004-4	\$ 5,000.00		\$ 5,000.00		Super Absorbent Douglas Fir Bark: A New Container Medium Component	Virginia I. Lohr, Ph.D. & Caroline H. Pearson-Mims, Ph.D., Washington State

NAC/ISDA 2004-5	\$ 15,000.00	\$ 15,000.00			<i>Effects of Holding Treatments on the Health of Transplanted Conifers (Paid \$7,500 on 2/20/04) (Paid \$7,500 on 3/10/05)</i>	John E. Lloyd, Ph.D.; Robert R. Tripepi, Ph.D.; Jennifer Wood, University of Idaho
NAC/ISDA 2004-6	\$ 5,000.00	\$ 5,000.00			<i>Alternative Practices for Aphid & Honeydew Management on Landscape Trees (Paid \$5,000 on 2/20/04.)</i>	John E. Lloyd, Ph.D. & Steve Nittolo, University of Idaho
Nursery Survey 2003	\$ 1,000.00	\$ 1,000.00			<i>Nursery Industry Survey (\$1,000 paid on 05/04.)</i>	Don Gerhardt, Idaho Agricultural Statistics Service,
Total	\$ 42,356.00	\$ 37,356.00	\$ 5,000.00			
2003 Project #	\$ Amount Requested	\$ Amount Approved	\$ Amount Denied	\$ Amount Unused	Research/Education Project	Principal Investigator & Institution
NAC/ISDA 2003-1	\$ 3,425.00	\$ 3,425.00			<i>Evaluation of Corkbark and SubAlpine Fir for Their Potential as Ornamental Nursery Stock and Christmas Trees (continuation) (Paid \$3,425 on 2/11/03.)</i>	Danny L. Barney, Ph.D., University of Idaho
NAC/ISDA 2003-2	\$ 4,360.25	\$ 4,360.25			<i>Defining Business Operations Related to the Green Industry (Paid \$4,360.25 on 2/6/03.)</i>	J.D. Wulfhorst, Ph.D. & Sandra E. Cann, Ph.D., University of Idaho
NAC/ISDA 2003-3	\$ 21,366.00	\$ 21,366.00			<i>Examining Fertilizer Treatments Used on Colorado Spruce to Maintain Post-Harvest Quality (Paid \$10,683 on 2/11/03.) (Paid \$10,683 on 2/20/04.)</i>	Robert R. Tripepi, Ph.D. & John E. Lloyd, Ph.D., University of Idaho
NAC/ISDA 2003-4	\$ 14,823.00		\$ 14,823.00		<i>Determining the Effects of Fertilizer Treatments One Year After Application to Harvested B&B Colorado Spruce</i>	Robert R. Tripepi, Ph.D. & John E. Lloyd, Ph.D., University of Idaho
NAC/ISDA 2003-5	\$ 9,000.00		\$ 9,000.00		<i>White Fly Eradication with Ozone</i>	Janet Richardson, Lost River Geothermal
NAC/ISDA 2003-6	\$ 5,000.00		\$ 5,000.00		<i>Growing Bear Grass in Greenhouses</i>	Janet Richardson, Lost River Geothermal
NAC/ISDA 2003-7	\$ 13,008.00	\$ 13,008.00			<i>Using Degree-Day and Plant Phenological Models to Accurately Time Chemical Treatment of White Pine Weevil in Conifer Nurseries (project will be held over for the 2004 field season) (Paid \$6,504 on 2/11/03.) (Uncompleted; balance not paid.)</i>	John E. Lloyd, Ph.D.; Robert Wilson, Ph.D.; Edward Bechinski, Ph.D., University of Idaho
Nursery Survey 2002	\$ 1,000.00	\$ 1,000.00			<i>Nursery Industry Survey (\$1,000 paid on 05/03.)</i>	Don Gerhardt, Idaho Agricultural Statistics Service,
Total	\$ 71,982.25	\$ 43,159.25	\$ 28,823.00			
2002 Project #	\$ Amount Requested	\$ Amount Approved	\$ Amount Denied	\$ Amount Unused	Research/Education Project	Principal Investigator & Institution
NAC/ISDA 2002-1	\$ 10,000.00		\$ 10,000.00		<i>Development of Improved Landscape Plants</i>	Harold Pellett, Ph.D., Landscape Plant Development
NAC/ISDA 2002-2	\$ 2,900.00	\$ 2,900.00			<i>Evaluation of Corkbark and Subalpine Fir for Their Potential as Ornamental Nursery Stock and Christmas Trees (continuation of grant NAC/ISDA 2001-4) (Paid \$2,900 on 3/21/02.)</i>	Danny L. Barney, Ph.D., University of Idaho

NAC/ISDA 2002-3	\$ 21,016.00	\$ 21,016.00			<i>Examining Fertilizer Treatments Used on Colorado Spruce to Maintain Post-Harvest Quality (Paid \$10,508 on 3/22/02.) (Paid \$10,508 on 2/3/03.)</i>	Robert R. Tripepi, Ph.D., University of Idaho
NAC/ISDA 2002-4	\$ 5,709.00	\$ 5,709.00			<i>Evaluating a Gravel Bed Growing System to Produce Conifer Seedlings for Fall transplanting (continuation of grant NAC/ISDA 2001-1) (Paid \$5,709 on 3/22/02.)</i>	Robert R. Tripepi, Ph.D., University of Idaho
Nursery Survey 2001	\$ 1,000.00	\$ 1,000.00			<i>Nursery Industry Survey (Paid \$1,000 on 08/27/02.)</i>	Don Gerhardt, Idaho Agricultural Statistics Service,
Total	\$ 40,625.00	\$ 30,625.00	\$ 10,000.00			
2001 Project #	\$ Amount Requested	\$ Amount Approved	\$ Amount Denied	\$ Amount Unused	Research/Education Project	Principal Investigator & Institution
NAC/ISDA 2001-1	\$ 7,246.00	\$ 7,246.00			<i>Evaluating a Gravel Bed Growing System to Produce Conifer Seedlings for Fall Transplanting (Paid \$3,623 on 3/19/01.) (Balance \$3,623 paid.)</i>	Robert R. Tripepi, Ph.D., University of Idaho
NAC/ISDA 2001-2	\$ 4,580.00		\$ 4,580.00		<i>Improving Gene Transfer Techniques for Rhododendron</i>	Robert R. Tripepi, Ph.D., University of Idaho
NAC/ISDA 2001-3	\$ 10,972.00		\$ 10,972.00		<i>Integrated Disease Management of hizoctonia in Rooting-Mist Beds (This proposal was rescinded.)</i>	Warren Copes, Ph.D., Washington State University
NAC/ISDA 2001-4	\$ 1,131.00	\$ 1,131.00			<i>Evaluation of Corkbark and Subalpine Fir for Their Potential as Ornamental Nursery Stock and Christmas Trees (continuation of grant NAC/ISDA 2000-1) (Paid \$1,131 on 3/19/01.)</i>	Danny L. Barney, Ph.D., University of Idaho
Nursery Survey 2000	\$ 1,000.00	\$ 1,000.00			<i>Nursery and Greenhouse Survey (Paid \$1,000 on 04/24/01.)</i>	Don Gerhardt, Idaho Agricultural Statistics Service,
Total	\$ 24,929.00	\$ 9,377.00	\$ 15,552.00			
2000 Project #	\$ Amount Requested	\$ Amount Approved	\$ Amount Denied	\$ Amount Unused	Research/Education Project	Principal Investigator & Institution
NAC/ISDA 2000-1	\$ 4,280.00	\$ 4,280.00			<i>Evaluation of Corkbark and Subalpine Fir for Their Potential as Ornamental Nursery Stock and Christmas Trees (Paid \$4,280 on 2/9/2000.)</i>	Danny L. Barney, Ph.D., University of Idaho
NAC/ISDA 2000-2	\$ 2,448.00	\$ 2,448.00			<i>Production of Evergreen Shrubs in Paper Sludge-Amended Media (Paid \$2,448.00 on 2/10/2000.)</i>	Robert R. Tripepi, Ph.D., University of Idaho
NAC/ISDA 2000-3	\$ 1,000.00	\$ 1,000.00			<i>Idaho Nursery and Greenhouse Survey - 1999 (Paid \$1,000 on 2/9/2000.)</i>	Don Gerhardt, Idaho Agricultural Statistics Service,
NAC/ISDA 2000-4	\$ 20,000.00	\$ 20,000.00			<i>Economic Impact Analysis of Horticulture Industry in Idaho (Cover title is: The Green Industry in Idaho, July 2001) (Paid \$10,000 on 6/9/2000.)</i>	J.D. Wulfhorst, Ph.D.; James R. Nelson, Ph.D.; R.G. Taylor, Ph.D., University of Idaho
Total	\$ 27,728.00	\$ 27,728.00				