

**Minutes of the  
Idaho Nursery and Florist Advisory Committee Meeting  
Boise Centre on the Grove, 850 W. Front Street, Boise, Idaho  
9:00 a.m. – 11:54 a.m., January 25, 2014**

**In Attendance**

**Committee Members**

Howard Hughes, Horticulture Services, Inc., Post Falls, ID – Committee Chairman  
 Gary Paulson, Mountain Plants Inc., Victor, ID – Committee Member  
 Robert (Bob) Reggear, Reggear Tree Farm, Orofino, ID – Committee Member  
 Joe Clayton, Clayton Tree Farm, Nampa, ID – Committee Member  
 Dan Ritchie, The Lawn Company, Boise, ID – Committee Member (Absent)  
 Michael E. Cooper, Idaho State Department of Agriculture (ISDA) – ISDA Representative  
 Dr. Paul McDaniel, University of Idaho – University of Idaho Representative (Absent)

**Guests**

Ann Bates, Idaho Nursery and Landscape Association (INLA)  
 Dr. Robert Tripepi, University of Idaho  
 Dr. Stephen Love, University of Idaho  
 Jared Stuart, Idaho State Department of Agriculture  
 Shari Ferree, Idaho State Department of Agriculture

**Call to Order and Comments from the Chair; Introductions**

Chairman Howard Hughes called the Idaho Nursery and Florist Advisory Committee (NAC) meeting to order at 9:00 AM

**Budget Report**

Mike Cooper gave an overview of the budget situation. During the January 26, 2013 committee meeting, grant and educational outreach requests totaling \$40,031.00 were approved. As of December 31, 2013, the receipts totaled \$23,350.00, and expenses were \$1,284.22, leaving a balance of \$99,412.78. Pending approval of the final grant reports, there is an outstanding obligation of \$20,067.50. This leaves \$79,345.28 for funds that could be granted in the coming year. A little more money will come in by February 1<sup>st</sup> from license fees. There are new grant and educational outreach application requests in the amount of \$46,502.00.

**Nursery Research Account Budget Summary**

	Receipts	Expenses	Balance
FY2006	\$56,975.00	\$54,671.06	\$129,037.20
FY2007	\$58,491.96	\$54,981.64	\$132,547.52
FY2008	\$62,044.58	\$67,112.68	\$127,479.42
FY2009	\$48,275.00	\$58,922.69	\$116,831.73
FY2010	\$53,500.64	\$56,846.04	\$113,486.33
FY2011	\$51,721.99	\$68,504.70	\$ 96,703.62
FY2012	\$44,875.00	\$66,022.58	\$ 75,556.04
FY2013	\$45,900.00	\$44,109.04	\$ 77,347.00
FY2014	\$23,350.00	\$ 1,284.22	\$ 99,412.78 as of December 31, 2013

**Other Business**

**Nursery renewal statistics:** For 2013, 1,796 nursery licenses were issued. In December, 2,020 renewal packets were mailed out. As of Friday January 17, 2014, we had received 1,247 license renewals. This is the first year that licenses could be renewed via the web; so far 104 people had taken advantage of this option, which is about 8%. The numbers, as compared to the January 2013 meeting, at that point we had 1,276 renewals.

Mike Cooper: The budget for the Nursery Inspection Program had previously been unstable; but it's been better in the last year.

**Japanese beetle Eradication and Surveillance project** - During the summer of 2012 an unprecedented number of Japanese beetles were trapped in Idaho. Four of the sites had multiple catches; another 49 sites throughout the state are known to have received nursery stock from the same supplier as at least two of the multiple catch sites catches. One of the multiple catch sites is in a Boise residential area where 20 plus beetles were caught over a six block area indicating that an infestation exists in that area. Extensive delimitation trapping was conducted in 2013 with 1,553 traps set state wide. The only catches were in Boise with 2,999 beetles being caught. Most of the finds in Boise were in a residential area on the city's east side. In addition, 95 residential properties and 11 city parks (325 acres) were treated with insecticides to control Japanese beetle grubs and Adults, based on 2012 survey data. For 2014, additional delimitation trapping and treatments are being planned. We plan to double the treatment area retreating area treated in 2013 and adding additional properties and quadruple the area of surveillance with 2,630 pheromone traps.

The Japanese beetle is a quarantine pest regulated by all the states (except Wyoming) surrounding Idaho, including British Columbia and Alberta. If established in Idaho those states and Canada would impose quarantine restrictions on Idaho origin sod and nursery stock.

### Old Business

#### Review of 2013 Final Reports:

- 1) NAC/ISDA 2013-3, \$11,810.00, "Improvement and Propagation of Native Plants for Water-Conserving and Traditional Landscapes" – Stephen L. Love, Ph.D., University of Idaho.  
A motion to **approve** the report was made by Bob Reggear and seconded by Gary Paulson; the motion was then **approved** by the full committee. (Outstanding balance due is \$5,905.00.)
- 2) NAC/ISDA 2013-4, \$4,896.00 "Establishing Naturalized Wildflower Plantings in Urban and Suburban Sites" – Stephen L. Love, Ph.D., University of Idaho.  
A motion to **approve** the report was made by Gary Paulson and seconded by Joe Clayton; the motion was then **approved** by the full committee. (Paid in full)
- 3) NAC/ISDA 2013-5, \$18,325.00 "Determining the Effects of Biochar-Amended Potting Mixes on Native Plant Production" – Robert R. Tripepi, Ph.D., University of Idaho. Request for Extension of Time until April 1, 2014. Comment from the INLA Research Committee: Generally Biochar is put into fields or the soil, rather than potting mixes. Another direction to take this would be to field trials. A discussion regarding the submitted Request of Extension resulted in the NAC requesting an accounting of activities and funds by Dr. Tripepi along with the final billing invoice before the outstanding balance is to be paid. A motion to **approve** the report and the extension as proposed was made by Gary Paulson and seconded by Bob Reggear; the motion was then **approved** by the full committee. (Outstanding balance due is \$9,162.50.)
- 4) NAC/ISDA 2013-6, \$5,000.00 "Educational Seminar at the Idaho Horticulture Expo January 22-24, 2014" – Ann Bates, Idaho Nursery & Landscape Association.  
A motion to **approve** the report was made by Joe Clayton and seconded by Gary Paulson; the motion was then **approved** by the full committee. (Outstanding balance due upon invoice after this meeting is \$5,000.00.)

### New Business

**University of Idaho report** from Dr. Bob Tripepi: The new department head is Dr. Paul McDaniel. There are only three horticulture facility members outside of potatoes, which is part of horticulture at University of Idaho. Dr. Robert Tripepi is in the Agricultural Sciences Building in Moscow. Dr. Stephen Love is at the Aberdeen Research and Extension Center. Dr. Esmaeil 'Essie' Fallahi is at the Parma Research and Extension Center, specializing in fruit trees. All of the other horticultural positions have been cut from the university. Dr Love has taken on the Horticulture Topic Team which deals with Consumer Horticulture, the Green Industry, and Master Gardeners. All the new positions that have been added are in

Cereal Grains because the Grain Association is helping to fund these positions. Our budgets have been flat for a number of years. Last year the state gave us a little money for the Research and Extension Centers. The number of classes that are offered remains about the same; several of us have taken on teaching more of the classes. There is a movement to get more upper division and graduate courses so that people can work on master degrees. We are trying to offer more of these classes off campus. We would like to establish someone as a Horticultural Specialist in the Treasure Valley; it is something that we are really missing. We are also missing someone in Moscow to help teach classes and advise students. We currently have 32 students in the program. This number is up from a few years ago when we only had 18 students. Three or four years ago approximately 85% of the students were focused on nursery, greenhouse, or landscaping. More recently about 50% of the students have been focused on organic food production, sustainable food production, and small acreage food production. In the last 9 months the shift has gone back to nursery, greenhouse, or landscaping. If the Idaho Nursery Landscape Association and the Committee were able to help fund teaching positions or lend a voice to the cause, this would make a difference to the choices that our Dean and the Department Chairs make.

### **2014 Research Proposals**

- 1) NAC/ISDA 2014-1, \$12,036.00, "Improvement, Propagation, and Commercialization of Native Plants for Water-Conserving and Traditional Landscapes" – Stephen L. Love, Ph.D., University of Idaho.  
The INLA committee recommended approval and had a question: When does Dr. Love see the end of research funding from this council? Dr. Love responded; the agreement we have with CSR and Native Roots is that they will put \$10,000 a year back into our program, starting last year, this year and next year. I have been adding that money to this money to keep it operating. During this three year agreement, we will still need funds from ISDA to supplement what we are getting from them. After that, we hope it will be launched. Five percent of the sales will go back to the university, of that, a portion will go back to support the operations. I will be submitting a proposal for next year, at that point we should know if this project can support itself. A motion to **approve** the proposal was made by Bob Reggear and seconded by Gary Paulson; the motion was then **approved** by the full committee.

**Question From the INLA Research Committee:** The committee would like to know if you plan to have any sites in northern Idaho for second-party evaluation for 2014? Do you anticipate the collections from southern Utah to be hardy enough for our area?

**Response:** Currently, the only northern Idaho evaluation site I have in place is the UI Arboretum. I sent Paul Warnick a batch of new plants this summer and plan to make another shipment next year. Given the minimal operational budget for this project, I am completely dependent on volunteer help to complete off-site plant evaluations. My most valuable and consistent cooperators are the botanical gardens in Boise and Hailey, the arboretum in Moscow, extension offices in Blackfoot and Twin Falls, and a group of volunteers in Island Park. However, do have some school groups, volunteers from other public facilities, a few business owners, and a few individuals who have put in small evaluation gardens. I freely provide plants for all of these organizations and take what I can get in the way of evaluation reports.

With that said, I am always looking for new cooperators. If there is an organization or business in northern Idaho who would like to put in plants and help with the evaluation process, I will supply what is needed. Also, I will approach Mike Bauer, extension educator in Bonner County (Sandpoint) and see if he has a group of Master Gardeners who would like to help with this project.

- 2) NAC/ISDA 2014-2, \$1,770.00, "Exploring Procedures for Establishing Naturalized Wildflower Plantings in Urban and Suburban Sites" – Stephen L. Love, Ph.D., University of Idaho.  
The INLA committee recommended approval based on the low cost and continuation of past funding for this needed research. Question posed, what kind of timeline are you looking at for funding? Dr. Love answered; we will have a pretty good idea if it will work by the end of this summer. I think we will probably try to carry it for another year to see how the components take or disappear. A motion to **approve** the proposal was made by Joe Clayton and seconded by Bob Reggear; the motion was then **approved** by the full committee.

**Question From the INLA Research Committee:** As always, the committee would like to see cooperator sites in northern Idaho. Is this planned for a two year study or three years? Do you have an estimate of year 3 cost if anticipated?

**Response:** Regarding funding for this project, I foresee that next summer will be the critical data collection period. We established the plots, applied the treatments, and took preliminary species establishment notes in 2013. In 2014, we will take detailed survival and weed competition notes to determine the efficacy of the treatments. I have requested a small grant to support personnel costs associated with data collection and general plot maintenance. Additional work in 2015 and beyond will depend entirely on the results of the project in 2014. If we are successful in establishing functional wildflower meadows, we will continue the work beyond next year to determine species survival and transition. I may or may not apply for additional grant funds to help support this preliminary work and if I do, it will be for a minimal amount to provide funds for basic plot maintenance. This research is still in its early stages. As currently designed, this project is being conducted only at the experiment station in Aberdeen, where I can personally oversee the research. If we see positive results from this work, and there is interest by potential cooperators, we may expand the project in an attempt to validate our findings under a range of conditions throughout the state. We will only do this if there is interest and a source of funding. Otherwise, we will publicize our findings and let people find ways to benefit from the research on their own.

- 3) NAC/ISDA 2014-3, \$5,000.00, "Educational Seminar at the Idaho Horticulture Expo. January 21-23, 2015" – Ann Bates, Idaho Nursery & Landscape Association. (To be paid upon invoice after January 2015 meeting.) A motion to **approve** the proposal was made by Bob Reggear and seconded by Gary Paulson; the motion was then **approved** by the full committee.
  
- 4) NAC/ISDA 2014-4, \$13,575.00, "Turf Management Effects on Annual Broadleaf Weed Invasion and Field Bindweed Management in a Kentucky Bluegrass Turf" – Don Morishita, Ph.D., University of Idaho. The INLA committee recommended denial based on the limited scope of the research for the cost, as well as a feeling that this is something that the turf industry has or should be doing on its own. Mike Cooper clarified that the turf industry, sod farms and things that come under the law, pay into the Nursery Advisory Fund. Bob Reggear suggested that it would be preferable if people making the proposals were available during the meeting, either in person or by phone, to defend their proposals by answering questions or making clarifications. A motion to **approve** the proposal was made by Bob Reggear and seconded by Joe Clayton; the motion was then **approved** by a majority. Concerns were expressed about the budgeted cost of the Aide.

**Question from the INLA Research Committee:** The committee would like to better understand the fringe benefits for the scientific aide at 53%. Seems as though most university fringe benefits are in the 12% to 18% range. Do you anticipate this to be a multi-year study? If so, would you anticipate the second year costs to be comparable to your first year?

**Response:** The most recent fringe benefit rate for UI classified employees in the \$30,000-35,000 pay range, which includes my scientific aide, is 47%. I know this is still much higher than the 12 to 18% range for temporary or summer help employees. In my budget, I am asking for funds to help pay the time of the summer help and my scientific aide, who will be involved in this project. Using the corrected Fringe Benefit rate (\$2,468), the adjusted Total Request is \$13,258. I do anticipate the two proposed experiments as being multi-year studies. The amount that I would request for the future years would be about 25% less than what I am requesting to initiate these studies.

- 5) NAC/ISDA 2014-5, \$3,000.00, "A Regional Conference for Green Industry in North Idaho" – Michael E Bauer, University of Idaho Extension. Request received January 13, 2014 to change the principal investigator from Michael E. Bauer to Jennifer Jensen, as Mr. Bauer has resigned from his position with the university. A motion to **approve** the proposal as amended with the principal investigator changed to Jennifer Jensen was made by Bob Reggear and seconded by Gary Paulson; the motion was then **approved** by the full committee.
  
- 6) NAC/ISDA 2014-6, \$11,121.00 "Determining Tissue Culture Propagation Procedures for Selected Native Plants" – Robert R. Tripepi, Ph.D., University of Idaho. The INLA committee recommended approving this project. A motion to **approve** the proposal was made by Gary Paulson and seconded by Joe Clayton; the motion was then **approved** by the full committee.

## Other Business

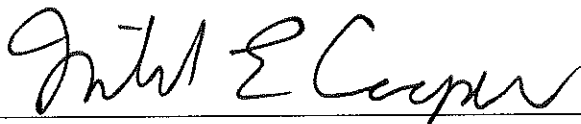
Dr. Tripepi asked about the solidity of recommended list of research topics.

Response: The list of research topics come to the Nursery Advisory Committee from the Idaho Nursery Landscape Association Committee. Please share the topic list with others who may be interested in submitting a proposal. Remember that the budget for this program is limited. We would also like feedback from the researchers about the probability of these topics actually being studied.

There was a discussion of changing the date of this meeting to avoid Saturday morning. Tentatively set for Friday 9am to noon January 23, 2015.

### Upcoming Term Vacancies/Expirations:

ISDA Advisory Committees 2013								
Committee	ISDA Person	Idaho Code	First Name	Last Name	Address	City	Postal Code	Term Expiration
State Nursery and Florists Advisory Committee	Mike Cooper	Title 22, Chapter 23	Paul	McDaniel	University of Idaho	Moscow	83844-2339	Indefinite
State Nursery and Florists Advisory Committee	Mike Cooper	Title 22, Chapter 23	Howard	Hughes	1356 N Hwy 41 Trlr 49	Post Falls	83854	June 30, 2016
State Nursery and Florists Advisory Committee	Mike Cooper	Title 22, Chapter 23	Gary	Paulson	170 W 7000 S	Victor	83455	June 30, 2014
State Nursery and Florists Advisory Committee	Mike Cooper	Title 22, Chapter 23	Robert	Reggear	1176 Loeth Rd	Orofino	83544	June 30, 2014
State Nursery and Florists Advisory Committee	Mike Cooper	Title 22, Chapter 23	Dan	Ritchie	2581 Wildrose	Boise	83713	June 30, 2016
State Nursery and Florists Advisory Committee	Mike Cooper	Title 22, Chapter 23	Vacant					
State Nursery and Florists Advisory Committee	Mike Cooper	Title 22, Chapter 23	Joe	Clayton	PO Box 68	Wilder	83676	June 30, 2015



*Michael E. Cooper, Bureau Chief*

**Plant Industries Division**

**Idaho State Department of Agriculture**

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# INLA RESEARCH COMMITTEE MEETING

1/23/2014

7 AM- Call to order. In attendance- Gary Paulson, Kathy Nobel and Eric Celmer

Discussion of final reports 2013

Committee approved all final reports

Discussion of 2014 Research Proposals

NAC/ISDA-1 Great to see further progress in both new collections and more importantly, availability to the trade of new varieties of plant material.

When does Dr. Love see the end of research funding? Recommend approval

NAC/ISDA-2 Recommended approval based on low cost and continuation of past funding for this needed research.

NAC/ISDA-3 Appreciated Ann's breakdown of this year's speaker's costs to see where these funds end up each year. Does the difference between 5k and 25k come from registration fees only? Recommended approval.

NAC/ISDA-4 Recommend denial based on limited scope of research for the cost as well as a feeling this is something the turf industry has or should do on its own.

NAC/ISDA-5 Is this for one year or continued funding? Is there classes for the maintenance people? Is there reciprocation of credits with Washington? Good to see funding going directly to north Idaho. Recommended maybe.

NAC/ISDA-6 Recommended yes on this research to help Dr. Love's research on difficult species.

8:30 am Adjourned meeting.

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

Spreadsheet Revised 2/13/2014 srf

2014 Project #	\$ Amount Applied For	\$ Amount Approved	\$ Amount Denied	\$ Amount Unused	Research/Education Project	Principal Investigator & Institution
NAC/ISDA 2014-1	\$ 12,036.00	\$ 12,036.00			<i>Improvement, Propagation, and Commercialization of Native Plants for Water-Conserving and Traditional Landscapes</i>	Stephen L. Love, Ph.D., University of Idaho
NAC/ISDA 2014-2	\$ 1,770.00	\$ 1,770.00			<i>Exploring Procedures for Establishing Naturalized Wildflower Plantings in Urban and Suburban Sites</i>	Stephen L. Love, Ph.D., University of Idaho
NAC/ISDA 2014-3	\$ 5,000.00	\$ 5,000.00			<i>Educational Seminar at the Idaho Horticulture Expo. January 21-23, 2015 (To be paid upon invoice after January 2015 meeting.)</i>	Ann Bates, Idaho Nursery & Landscape Association
NAC/ISDA 2014-4	\$ 13,575.00	\$ 13,575.00			<i>Turf Management Effects on Annual Broadleaf Weed Invasion and Field Bindweed Management in a Kentucky Bluegrass Turf</i>	Don Morishita, Ph.D., University of Idaho
NAC/ISDA 2014-5	\$ 3,000.00	\$ 3,000.00			<i>A Regional Conference for Green Insustry in North Idaho</i>	Michael E. Bauer, University of Idaho Extension
NAC/ISDA 2014-6	\$ 11,121.00	\$ 11,121.00			<i>Determining Tissue Culture Propagation Procedures for Selected Native Plants</i>	Robert R. Tripepi, Ph.D., Stephen L. Love, Ph.D., University of Idaho
<b>Total</b>	<b>\$ 46,502.00</b>	<b>\$ 46,502.00</b>	<b>\$ -</b>			
2013 Project #	\$ Amount Applied For	\$ 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)</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 3/13/2013)</i>	Stephen L. Love, Ph.D., University of Idaho
NAC/ISDA 2013-5	\$ 18,325.00	\$ 18,325.00			<i>Determining the Effects of Biochar-Amended Potting Mixes on Native Plant Production. (\$9,162.50 paid 3/13/2013)</i>	Robert R. Tripepi, Ph.D., University of Idaho

NAC/ISDA 2013-6	\$ 5,000.00	\$ 5,000.00			<i>Educational Seminar at the Idaho Horticulture Expo. January 22-24, 2014 (To be paid upon invoice after January 2014 meeting.)</i>	Ann Bates, Idaho Nursery & Landscape Association
<b>Total</b>	<b>\$ 47,031.00</b>	<b>\$ 40,031.00</b>	<b>\$ 7,000.00</b>			
<b>2012 Project #</b>	<b>\$ Amount Applied For</b>	<b>\$ Amount Approved</b>	<b>\$ Amount Denied</b>	<b>\$ Amount Unused</b>	<b>Research/Education Project</b>	<b>Principal Investigator &amp; Institution</b>
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 3/14/2013.)</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>Educational Seminar at the Idaho Horticulture Expo. January 23-25, 2013. (To be paid upon invoice after January 2013 meeting.)(\$5,000 paid 2/22/2013.)</i>	Ann Bates, Idaho Nursery & Landscape Association
<b>Total</b>	<b>\$123,277.50</b>	<b>\$ 46,984.00</b>	<b>\$ 76,293.50</b>			
<b>2011 Project #</b>	<b>\$ Amount Applied For</b>	<b>\$ Amount Approved</b>	<b>\$ Amount Denied</b>	<b>\$ Amount Unused</b>	<b>Research/Education Project</b>	<b>Principal Investigator &amp; Institution</b>



NAC/ISDA 2011-1 (see explanation of final \$\$ under Research/ Education)	\$ 2,500.00	\$ 700.00	\$ 1,800.00		<i>A Certified Nursery Professional Training Program for Idaho (\$2,500 was denied on 1/22/11 and a proposed \$700 was approved if it was resubmitted.)((\$700 paid in full 2/25/11.)</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 1/22/11 and a proposed \$8,500 was approved if it was resubmitted.)((\$4,250 paid 4/25/11. Balance \$4,250 paid 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 4/25/11)(Balance \$6,520 paid 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 4/25/11. \$11,375 paid on 3/15/2012.)</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 (see explanation of final \$\$ under Research/ Education Project)	\$ 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 1/22/11 and a revised proposal will be considered if it was resubmitted.) (\$6,684.50 paid 6/22/11)(Balance \$6,684.50 paid 3/15/2012.)</i>	Robert R. Tripepi, Ph.D., University of Idaho
NAC/ISDA 2011-8 (see explanation of final \$\$ under Research/ Education Project)	\$ 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 on 1/22/11 and a proposed \$12,000 was approved if it was resubmitted.) (\$5,974.50 paid on 3/14/11. \$5,879.48 paid on 3/15/2012.)</i>	Robert R. Tripepi, Ph.D., University of Idaho
Educational Outreach	\$ 5,000.00	\$ 5,000.00			<i>Idaho Nursery &amp; Landscape Association Idaho Horticulture Expo (January 19-21, 2011) (\$5,000 paid 1/12/2011.)</i>	Ann Bates, Idaho Nursery & Landscape Association
Nursery Survey 2010	\$ 1,800.00	\$ 1,800.00			<i>Idaho Nursery Survey (\$1,800 paid 4/14/11.)</i>	Vince Matthews, USDA-NASS
<b>Total</b>	<b>\$108,386.00</b>	<b>\$ 77,108.00</b>	<b>\$ 31,248.00</b>	<b>\$ 95.02</b>		
<b>2010 Project #</b>	<b>\$ Amount Applied For</b>	<b>\$ Amount Approved</b>	<b>\$ Amount Denied</b>	<b>\$ Amount Unused</b>	<b>Research/Education Project</b>	<b>Principal Investigator &amp; Institution</b>

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 2/25/2010)(Paid \$6,467.50 on 2/23/2011)</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 \$4,950.00 on 2/25/2010)</i>	Thomas A. Salaiz, University of Idaho
NAC/ISDA 2010-3 (see explanation of final \$\$ under Research/ Education Project)	\$ 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 and a proposed \$2,000 was approved.)(\$2,000 paid 2/25/2010)(An additional \$5,000 for printing costs was approved by NAC by email and paid on 10/1/2010.)</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. Wulforth, 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 \$8,167.00 on 2/25/2010)(Paid balance \$8,167.00 on 2/23/2011)</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 \$4,970.00 on 2/25/2010)</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 \$3,900.00 on 3/5/2010)(Paid \$3,900.00 on 2/23/2011)</i>	Brad Geary, Ph.D., Brigham Young University
Nursery Survey 2009	\$ 1,800.00	\$ 1,800.00			<i>Idaho Nursery Survey (paid 04/05/2010)</i>	Vince Matthews, USDA-NASS
Educational Outreach	\$ 5,000.00	\$ 5,000.00			<i>Idaho Nursery &amp; Landscape Association Idaho Horticulture Expo (January 20-23, 2010) (Paid 1/27/2010.)</i>	Ann Bates, Idaho Nursery & Landscape Association
<b>Total</b>	<b>\$105,488.09</b>	<b>\$ 60,789.00</b>	<b>\$ 44,699.09</b>			
<b>2009 Project #</b>	<b>\$ Amount Applied For</b>	<b>\$ Amount Approved</b>	<b>\$ Amount Denied</b>	<b>\$ Amount Unused</b>	<b>Research/Education Project</b>	<b>Principal Investigator &amp; Institution</b>
NAC/ISDA 2009-1	\$ 10,920.00	\$ 10,920.00		\$ 139.09	<i>Evaluation of Native and Adapted Plants for Landscape Use (Paid \$5,460.00)(Paid \$5,460.00 on 2/25/2010)(Original grant was \$10,920. Unused funding in the amount of \$139.09 was received on 3/26/10. \$10,920.00 - 139.09 = \$10,780.91)</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 \$5,050.00 on 3/3/2009)</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 \$11,717.00 on 3/3/2009)(Paid \$11,717.00 on 2/25/2010) (Original grant was \$23,434. Unused funding in the amount of \$4,821.99 was received on 9/3/10. (\$23,434.00 - 4,821.99 = \$18,612.01)</i>	Robert R. Tripepi, Ph.D., University of Idaho
Educational Outreach	\$ 5,000.00	\$ 5,000.00			<i>Idaho Nursery &amp; Landscape Association Idaho Horticulture Expo (January 21-23, 2009) (Paid 1/5/2009)</i>	Ann Bates, INLA
Nursery Survey 2008	\$ 1,800.00	\$ 1,800.00			<i>Nursery Industry Survey (Paid 02/25/2009)</i>	Bill Meyer, USDA-NASS
<b>Total</b>	<b>\$ 46,204.00</b>	<b>\$ 46,204.00</b>		<b>\$ 4,961.08</b>		
<b>2008 Project #</b>	<b>\$ Amount Applied For</b>	<b>\$ Amount Approved</b>	<b>\$ Amount Denied</b>	<b>\$ Amount Unused</b>	<b>Research/Education Project</b>	<b>Principal Investigator &amp; Institution</b>
NAC/ISDA 2008-1	\$ 5,000.00	\$ 5,000.00			<i>Managing New and Emerging Virus Threats to the Green Industry (Paid \$5,000.00 on 3/12/2008)</i>	Hanu R. Pappu, Ph.D., Washington State University
NAC/ISDA 2008-2	\$ 11,355.00	\$ 11,355.00			<i>Evaluation of Native and Adapted Plants for Landscape Use (Paid \$5,677.50 on 3/3/2008)(Paid balance \$5,677.50 on 3/3/2009)</i>	Stephen L. Love, Ph.D., University of Idaho
NAC/ISDA 2008-3	\$ 3,753.00	\$ 3,753.00			<i>Evaluation of Native and Traditional Turfgrass Species for Low- Maintenance Lawns (Paid \$3,753.00 on 3/3/2008)</i>	Thomas A. Salaiz, University of Idaho
NAC/ISDA 2008-4	\$ 16,561.00	\$ 16,561.00		\$ 7,061.55	<i>Nursery Technical Resource Center (Paid \$8,280.50 on 3/3/2008)(Paid balance \$8,280.50 on 3/3/2009)(Original grant was \$16,561. Unused funding in the amount of \$7,061.55 was received on 3/4/10. \$16,561.00 - \$7,061.55 = \$9,499.45)</i>	Danny L. Barney, Ph.D.; Stephen L. Love, Ph.D.; Robert R. Tripepi, Ph.D., University of Idaho
NAC/ISDA 2008-5	\$ 26,340.00	\$ 26,340.00			<i>Native Plants Production in Potting Media Amended With Anaerobic Digested Cattle Biosolids (Paid \$13,170.00 on 3/3/2008)(Paid balance \$13,170.00 on 3/3/2009)</i>	Robert R. Tripepi, Ph.D., University of Idaho
NAC/ISDA 2008-6	\$ 13,970.00		\$ 13,970.00		<i>Ornamental Quality Ratings of Malus Cultivars</i>	Michael Bauer, University of Idaho Extension
Educational Outreach	\$ 5,500.00	\$ 5,500.00			<i>Idaho Nursery &amp; Landscape Association Idaho Horticulture Expo (January 16-18, 2008) (paid 1/2/2008)</i>	Ann Bates, INLA
Nursery Survey 2007	\$ 1,000.00	\$ 1,000.00			<i>Nursery Industry Survey (paid 05/13/08)</i>	Bill Meyer, USDA-NASS
<b>Total</b>	<b>\$ 83,479.00</b>	<b>\$ 69,509.00</b>	<b>\$ 13,970.00</b>	<b>\$ 7,061.55</b>		

2007 Project #	\$ Amount Applied For	\$ Amount Approved	\$ Amount Denied	\$ Amount Unused	Research/Education Project	Principal Investigator & Institution
NAC/ISDA 2007-1 (see explanation of final \$\$ under Research/ Education Project)	\$ 5,996.00	\$ 5,996.00		\$ 1,433.22	<i>Improving Rooting of Pinyon Pine Seedlings by Using Naphthaleneacetic Acid Treatments (Paid \$2,998.00 on 3/13/2007)(Paid balance \$2,998.00 on 3/3/2008)(Proposed \$4,482 plus an additional \$1,518 was approved for a total of \$6,000; amount was modified to \$5,996.) (Unused funding in the amount of \$1,433.22 was received on 6/25/08. \$5,996.00 - \$1,433.22 = \$4,562.78)</i>	Robert R. Tripepi, Ph.D., University of Idaho
NAC/ISDA 2007-2 (see explanation of final \$\$ under Research/ Education Project)	\$ 14,471.00	\$ 14,471.00		\$ 155.94	<i>Production of Native Plants in Potting Media Amended with Flushed Cattle Biosolids (Paid \$7,235.50 on 3/13/2007)(Paid balance \$7,235.50 on 3/3/2008)(Original grant was \$14,471.00. Unused funding in the amount of \$155.94 was returned on 6/25/08. \$14,471.00 - \$155.94 = \$14,315.06)</i>	Robert R. Tripepi, Ph.D., University of Idaho
NAC/ISDA 2007-3	\$ 6,580.00		\$ 6,580.00		<i>Evaluation and Selection of Native Woody Plants for the Intermountain Region</i>	William A. Hoch, Ph.D., Montana State University
NAC/ISDA 2007-4	\$ 8,280.00	\$ 8,280.00			<i>Breeding Native Western Plants for Use in the Green Industry (Paid \$4,140.00 on 3/13/2007)(Paid \$4,140.00 on 3/3/2008)</i>	Brad Geary, Ph.D., Brigham Young University
NAC/ISDA 2007-5 (see explanation of final \$\$ under Research/ Education Project)	\$ 11,670.00	\$ 11,670.00		\$ 791.86	<i>Evaluation of Native and Adapted Plants for Landscape Use (Paid \$5,835.50 on 3/13/2007)(Paid balance \$5,837.50 on 3/3/2008)(Original grant was 11,670.00. Unused funding in the amount of \$791.86 was received on 4/14/08. \$11,670.00 - 791.86 = \$10,878.14)</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 Center
Nursery Survey 2006	\$ 1,000.00	\$ 1,000.00			<i>Nursery Industry Survey (paid 08/08/2007)</i>	William Meyer, Idaho Agricultural Statistics Service, USDA
Educational Outreach	\$ 3,000.00	\$ 3,000.00			<i>Horticulture Research Institute (paid 01/07/08)</i>	c/o Teresa Jodon, Horticulture Research Institute
<b>Total</b>	<b>\$ 60,997.00</b>	<b>\$ 44,417.00</b>	<b>\$ 16,580.00</b>	<b>\$ 2,381.02</b>		
2006 Project #	\$ Amount Applied For	\$ 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 \$5,910.00 on 3/15/2006)(Paid \$5,910.00 on 3/13/2007)</i>	Steven L. Love, Ph.D. & Thomas A. Salaiz, University of Idaho
NAC/ISDA 2006-2 (see explanation of final \$\$ under Research/ Education Project)	\$ 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 \$4,835.00 on 3/15/2006)(Original funded amount \$4,835.00 minus \$1,291.96 refunded on 4/3/07 to leave a total of \$3,543.04.)</i>	Steven L. Love, Ph.D., University of Idaho
NAC/ISDA 2006-3	\$ 4,600.00	\$ 4,600.00		\$ 7,319.58	<i>Evaluation of Corkbark and Subalpine Fir for their Potential as Ornamental Nursery Stock and Christmas Trees (Paid \$4,600.00 on 3/15/2006)</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 (see explanation of final \$\$ under Research/ Education Project)	\$ 10,000.00	\$ 5,000.00	\$ 5,000.00		<i>Development of Improved Landscape Plants (Paid \$5,000.00 on 2/23/2006)(\$10,000 was originally denied and a proposed \$5,000 was approved.)</i>	Harold Pellet, 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 \$4,020.00 on 3/15/2006)(Paid \$4,020.00 on 9/13/2007)</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 \$4,520.00 on 3/15/2006)</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 \$9,525.00 on 3/15/2006)(Paid \$9,525.00 on 3/13/2007)</i>	John E. Lloyd, Ph.D., University of Idaho
NAC/ISDA 2006-9 (see explanation of final \$\$ under Research/ Education Project)	\$ 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 \$1,000.00 on 3/15/2006)(\$16,700 was denied but \$1,000 funding of preliminary data collection was approved; \$1,000 refunded 4/3/07.)</i>	John E. Lloyd, Ph.D., University of Idaho
Nursery Survey 2005	\$ 1,000.00	\$ 1,000.00			<i>Nursery Industry Survey (paid 06/2006)</i>	William Meyer, Idaho Agricultural Statistics Service, USDA

Educational Outreach	\$ 3,000.00	\$ 3,000.00			<i>Idaho Nursery &amp; Landscape Association Idaho Horticulture Expo (January 18-20, 2006) (paid 02/23/06)</i>	Ann Bates, INLA
<b>Total</b>	<b>\$ 98,565.00</b>	<b>\$ 62,865.00</b>	<b>\$ 35,700.00</b>	<b>\$ 9,611.54</b>		
<b>2005 Project #</b>	<b>\$ Amount Applied For</b>	<b>\$ Amount Approved</b>	<b>\$ Amount Denied</b>	<b>\$ Amount Unused</b>	<b>Research/Education Project</b>	<b>Principal Investigator &amp; Institution</b>
NAC/ISDA 2005-1 (see explanation of final \$\$ under Research/ Education)	\$ 10,000.00	\$ 5,000.00	\$ 5,000.00		<i>Development of Improved Landscape Plants (Paid \$5,000.00 on 3/11/2005)(\$10,000 was originally denied and a proposed \$5,000 was approved.)</i>	Harold Pellet, Ph.D., Landscape Plant Development Center, Minnesota
NAC/ISDA 2005-2	\$ 23,391.85	\$ 23,391.85			<i>How the Green Industry Impacts Idaho (Paid \$11,695.93 on 3/11/2005)(Paid \$11,695.92 8/25/2006)</i>	Sandra E. Cann, Ph.D.; J.D. Wulfhorst, Ph.D., University of Idaho
NAC/ISDA 2005-3	\$ 4,600.00	\$ 4,600.00			<i>Evaluation of Cork Bark and Subalpine Fir for Their Potential as Ornamental Nursery Stock and Christmas Trees (continuation) (Paid \$4,600.00 on 3/10/2005)</i>	Danny L. Barney, Ph.D., University of Idaho
NAC/ISDA 2005-4	\$ 10,836.00	\$ 10,836.00			<i>Using Auxin Treatments to Improve Pinyon Pine Transplant Survival (Paid \$5,418.00 on 3/10/2005)(Paid \$5,418.00 on 3/15/2006)</i>	Robert R. Tripepi, Ph.D., University of Idaho
NAC/ISDA 2005-5	\$ 13,966.00		\$ 13,966.00		<i>Transplanting Grand Fir to a Gravel Bed</i>	Robert R. Tripepi, Ph.D., University of Idaho
Nursery Survey 2004	\$ 1,000.00	\$ 1,000.00			<i>Nursery Industry Survey (paid 06/2005)</i>	Don Gerhardt, Idaho Agricultural Statistics Service, USDA
Educational Outreach	\$ 2,000.00	\$ 2,000.00			<i>Horticultural Research Institute (paid 03/2005)</i>	
Educational Outreach	\$ 2,371.70	\$ 2,371.70			<i>Idaho State Florist Association (paid 09/07/05)</i>	
<b>Total</b>	<b>\$ 68,165.55</b>	<b>\$ 49,199.55</b>	<b>\$ 18,966.00</b>			
<b>2004 Project #</b>	<b>\$ Amount Applied For</b>	<b>\$ Amount Approved</b>	<b>\$ Amount Denied</b>	<b>\$ Amount Unused</b>	<b>Research/Education Project</b>	<b>Principal Investigator &amp; Institution</b>
NAC/ISDA 2004-1	\$ 4,258.00	\$ 4,258.00			<i>Holding Bareroot Colorado Spruce Trees in a Gravel Bed (Paid \$4,258.00 on 2/20/2004)</i>	Robert R. Tripepi, Ph.D. & John E. Lloyd, Ph.D., University of Idaho
NAC/ISDA 2004-2	\$ 8,398.00	\$ 8,398.00			<i>Evaluating Pinyon Pine and Subalpine Fir Root Growth in a Gravel Bed Growing System (Paid \$4,199.00 on 2/20/2004)(Paid \$4,199.00 on 3/10/2005)</i>	Robert R. Tripepi, Ph.D., University of Idaho
NAC/ISDA 2004-3	\$ 3,700.00	\$ 3,700.00			<i>Evaluation of Corkbark and Subalpine Fir for Their Potential as Ornamental Nursery Stock and Christmas Trees (continuation) (Paid \$3,700.00 on 2/20/2004)</i>	Danny L. Barney, Ph.D., University of Idaho

NAC/ISDA 2004-4	\$ 5,000.00		\$ 5,000.00		<i>Super Absorbent Douglas Fir Bark: A New Container Medium Component</i>	Virginia I. Lohr, Ph.D. & Caroline H. Pearson-Mims, Ph.D., Washington State University
NAC/ISDA 2004-5	\$ 15,000.00	\$ 15,000.00			<i>Effects of Holding Treatments on the Health of Transplanted Conifers (Paid \$7,500.00 on 2/20/2004)(Paid \$7,500.00 on 3/10/2005)</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 &amp; Honeydew Management on Landscape Trees (Paid \$5,000.00 on 2/20/2004)</i>	John E. Lloyd, Ph.D. & Steve Nittolo, University of Idaho
Nursery Survey 2003	\$ 1,000.00	\$ 1,000.00			<i>Nursery Industry Survey (paid 05/2004)</i>	Don Gerhardt, Idaho Agricultural Statistics Service, USDA
<b>Total</b>	<b>\$ 42,356.00</b>	<b>\$ 37,356.00</b>	<b>\$ 5,000.00</b>			
<b>2003 Project #</b>	<b>\$ Amount Applied For</b>	<b>\$ Amount Approved</b>	<b>\$ Amount Denied</b>	<b>\$ Amount Unused</b>	<b>Research/Education Project</b>	<b>Principal Investigator &amp; Institution</b>
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 \$3,425.00 on 2/11/2003)</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 2/6/2003)</i>	J.D. Wulforth, 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 \$10,683.00 on 2/11/2003)(Paid \$10,683.00 on 2/20/2004)</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&amp;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 \$6,504.00 on 2/11/2003)(Incompleted 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 (paid 05/2003)</i>	Don Gerhardt, Idaho Agricultural Statistics Service, USDA
<b>Total</b>	<b>\$ 71,982.25</b>	<b>\$ 43,159.25</b>	<b>\$ 28,823.00</b>			

2002 Project #	\$ Amount Applied For	\$ 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 Center
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 3/21/2002)</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 \$10,508.00 on 3/22/2002)(Paid \$10,508.00 on 2/3/2003)</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 \$5,709.00 on 3/22/2002)</i>	Robert R. Tripepi, Ph.D., University of Idaho
Nursery Survey 2001	\$ 1,000.00	\$ 1,000.00			<i>Nursery Industry Survey (paid 08/27/02)</i>	Don Gerhardt, Idaho Agricultural Statistics Service, USDA
<b>Total</b>	<b>\$ 40,625.00</b>	<b>\$ 30,625.00</b>	<b>\$ 10,000.00</b>			
2001 Project #	\$ Amount Applied For	\$ 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 \$3,623.00 on 3/19/2001)(Balance \$3,623.00 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 \$1,131.00 on 3/19/2001)</i>	Danny L. Barney, Ph.D., University of Idaho
Nursery Survey 2000	\$ 1,000.00	\$ 1,000.00			<i>Nursery and Greenhouse Survey (paid 04/24/01)</i>	Don Gerhardt, Idaho Agricultural Statistics Service, USDA
<b>Total</b>	<b>\$ 24,929.00</b>	<b>\$ 9,377.00</b>	<b>\$ 15,552.00</b>			
2000 Project #	\$ Amount Applied For	\$ 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 \$4,280.00 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 \$1,000.00 on 2/9/2000)</i>	Don Gerhardt, Idaho Agricultural Statistics Service, USDA
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 \$10,000.00 on 6/9/2000)</i>	J.D. Wulfhorst, Ph.D.; James R. Nelson, Ph.D.; R.G. Taylor, Ph.D., University of Idaho
<b>Total</b>	<b>\$ 27,728.00</b>	<b>\$ 27,728.00</b>				



# STATE OF IDAHO

DEPARTMENT OF AGRICULTURE

C.L. "BUTCH" OTTER  
Governor  
CELIA R. GOULD  
Director

## NOTICE OF ANNUAL PUBLIC MEETING

IDAHO NURSERY AND FLORISTS ADVISORY COMMITTEE  
BOISE CENTRE ON THE GROVE – Cottonwood Room  
850 W. FRONT STREET  
BOISE, IDAHO

MEETING AGENDA FOR SATURDAY, JANUARY 25, 2014  
9:00 A.M. MST TO 12:00 NOON MST

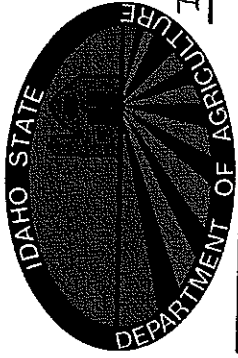
### TOPICS FOR DISCUSSION:

1. Call to order and Comments from the Chair
2. Introductions
3. Budget reports – Michael E. Cooper, Idaho State Department of Agriculture
  - a. Nursery Inspection Program
  - b. Nursery Research Program
4. Old Business:
  - A. Review of 2013 Final Grant Reports
  - B. Other
5. University of Idaho Report – Dr. Paul McDaniel or delegate
6. New Business:
  - A. Review and Selection of Grant Applications for 2014
  - B. Other
7. Adjourn

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**NOTICE:** Agenda items may be taken out of order. Times stated are approximate and subject to change. Agenda order is tentative and may be changed without prior notice.

**\*\*This notice is being posted in accordance with the Idaho Open Meeting Law: Idaho Code Section 67-2343\*\***



# Idaho State Department of Agriculture Meeting Attendance Roster

Idaho Nursery & Florists Advisory Committee Mtg. Date 1/25/2014

Name	Representing	Phone (if not given previously)
Mike Cooper	ISDA	208-332-8620
Stephen Love	University of Idaho	208-397-4181
Bob Tripepi	University of Idaho	208.885.6635
Ann Battle	INLH	208.681-4769
Bob Leggar	INLH	208-755-2996
Gary Robson	INLA	208-390-2470
Joe Clayton	INLA	208-447-6254
Jared Stuart	ISDA	(208) 332-8650
Howard Hughes	INL Advisory Committee	
Shari Perre	ISDA	208-332-8621

## Shari Ferree

---

**From:** Joe Clayton <joe@clayontreefarm.com>  
**Sent:** Thursday, February 20, 2014 2:35 PM  
**To:** 'Gary Paulson'; 'Robert'  
**Cc:** Shari Ferree; 'Ann Bates'; 'Daniel Ritchie'; 'Howard Hughes'; Mike Cooper; 'Paul McDaniel'  
**Subject:** RE: Draft of Nursery Advisory Committee Minutes 1/25/2014

Sorry to all this has taken me so long.

I approve the minutes as written.

Thanks to all (including Shari! ☺)

Joe

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**From:** Gary Paulson [<mailto:mtplants@silverstar.com>]  
**Sent:** Wednesday, February 12, 2014 8:40 PM  
**To:** Robert  
**Cc:** Shari Ferree; Ann Bates ([abates@inlagrow.org](mailto:abates@inlagrow.org)); Daniel Ritchie; Howard Hughes ([howard@hortservicesinc.com](mailto:howard@hortservicesinc.com)); Joe Clayton ([joe@clayontreefarm.com](mailto:joe@clayontreefarm.com)); Mike Cooper; Paul McDaniel ([paulm@uidaho.edu](mailto:paulm@uidaho.edu))  
**Subject:** Re: Draft of Nursery Advisory Committee Minutes 1/25/2014

Shari,  
I approve the minutes as written. Thanks Shari !  
Gary

Sent from my iPhone

On Feb 12, 2014, at 2:13 PM, Robert <[rtf@cpcinternet.com](mailto:rtf@cpcinternet.com)> wrote:

Thanks Shari

They look good. I move to approve the minutes Bob

Sent from my iPhone

On Feb 12, 2014, at 9:55 AM, Shari Ferree <[Shari.Ferree@agri.idaho.gov](mailto:Shari.Ferree@agri.idaho.gov)> wrote:

Hello Everyone,

I am resending this as I have not heard back from anyone yet. Please respond to all with your comments or approval.

Thank you,  
~ Shari Ferree ~

---

**From:** Shari Ferree  
**Sent:** Friday, February 07, 2014 3:56 PM  
**To:** 'Ann Bates ([abates@inlagrow.org](mailto:abates@inlagrow.org))'; 'Daniel Ritchie'; 'Gary Paulson ([mtplants@silverstar.com](mailto:mtplants@silverstar.com))'; 'Howard Hughes ([howard@hortservicesinc.com](mailto:howard@hortservicesinc.com))'; 'Joe Clayton ([joe@clayontreefarm.com](mailto:joe@clayontreefarm.com))'; Mike Cooper; 'Paul McDaniel ([paulm@uidaho.edu](mailto:paulm@uidaho.edu))'; 'Robert Reggear ([rtf@cpcinternet.com](mailto:rtf@cpcinternet.com))'  
**Subject:** Draft of Nursery Advisory Committee Minutes 1/25/2014

Dear Committee Members.

Please review the attached draft of the January 25, 2014 Nursery Advisory Committee minutes. Please let us know of your suggested changes / approval by replying to all, as this is part of the public record.

Thank you,  
~ Shari Ferree ~  
*Technical Records Specialist 2*  
*Idaho State Dept of Agriculture*  
*Division of Plant Industries*  
*2270 Old Penitentiary Rd*  
*PO Box 790*  
*Boise, ID 83701-0790*  
*(208) 332-8621*  
[shari.ferree@agri.idaho.gov](mailto:shari.ferree@agri.idaho.gov)

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Version: 2014.0.4335 / Virus Database: 3705/7100 - Release Date: 02/17/14

## Shari Ferree

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**From:** Howard Hughes <howard@hortservicesinc.com>  
**Sent:** Wednesday, February 12, 2014 10:27 AM  
**To:** Shari Ferree  
**Cc:** Ann Bates (abates@inlagrow.org); Daniel Ritchie; Gary Paulson (mtplants@silverstar.com); Joe Clayton (joe@claytontreefarm.com); Mike Cooper; Paul McDaniel (paulm@uidaho.edu); Robert Reggear (rtf@cpcinternet.com)  
**Subject:** Re: FW: Draft of Nursery Advisory Committee Minutes 1/25/2014

Shari,

I could not find where any corrections or additions were needed in the minutes

Howard

On Wed, Feb 12, 2014 at 8:55 AM, Shari Ferree <[Shari.Ferree@agri.idaho.gov](mailto:Shari.Ferree@agri.idaho.gov)> wrote:

Hello Everyone,

I am resending this as I have not heard back from anyone yet. Please respond to all with your comments or approval.

Thank you,

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Thank you,

~ Shari Ferree ~

*Technical Records Specialist 2*

*Idaho State Dept of Agriculture*

*Division of Plant Industries*

*2270 Old Penitentiary Rd*

*PO Box 790*

*Boise, ID 83701-0790*

*(208) 332-8621*

*shari.ferree@agri.idaho.gov*

The information in this email may be privileged, confidential, and protected from disclosure. If you are not the intended recipient, any dissemination, distribution, or copying is strictly prohibited. If you think you received this email message in error, please notify the sender.

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Howard Hughes

Horticultural Services Inc.

Providing Quality Greenhouse Projects and Starter Plants

208-719-0120 / toll free 877-434-0982

208-661-4285 cell

## Shari Ferree

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**From:** Mike Cooper  
**Sent:** Tuesday, February 18, 2014 8:29 AM  
**To:** Shari Ferree  
**Subject:** FW: estimate of the costs needed for the cost extension

Attach this E-mail to the Minutes please

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**From:** Tripepi, Bob ([btripepi@uidaho.edu](mailto:btripepi@uidaho.edu)) [<mailto:btripepi@uidaho.edu>]  
**Sent:** Sunday, February 16, 2014 6:47 PM  
**To:** Mike Cooper  
**Subject:** estimate of the costs needed for the cost extension

Hi Mike,

According to my notes, I was supposed to send you an estimate of the costs for the ash analysis for the biochar samples and labor to replace the socket pots in the container yard.

The three ash samples: ~\$15 each for a total of \$45

Labor to install the socket pots: 40 hours of student labor at \$9 per hour = \$360  
Fringe benefits for student labor (13%) = \$47

Total needed = \$452

Please let me know if you have any questions about these expenses. Thank you for your consideration for the no-cost extension.

Regards,  
Bob Tripepi

Professor of Physiology and Horticulture  
Department of Plant, Soil and Entomological Sciences  
875 Perimeter Drive MS 2339  
Moscow, ID 83844-2339

Phone: 208.885.6635  
e-mail: [btripepi@uidaho.edu](mailto:btripepi@uidaho.edu)