

**Minutes of the  
Idaho Nursery and Florist Advisory Committee Meeting  
By Conference Call  
11:00 a.m. – 12:40 p.m., February 14, 2017**

**In Attendance**

**Committee Members**

Walt Coiner, Hollyberry Nursery, Hansen, ID – Committee Chairman  
 Robert (Bob) Reggear, Reggear Tree Farm, Orofino, ID – Committee Member (absent)  
 Gary Paulson, Mountain Plants Inc., Victor, ID – Committee Member (absent)  
 Joe Clayton, Clayton Tree Farm, Nampa, ID – Committee Member  
 Joan Mount, Green Things Nursery, Orofino, ID – Committee Member  
 Dave Johannmeier, Webb Nursery, Bellevue, ID – Committee Representative  
 Jared K. Stuart, Idaho State Department of Agriculture (ISDA) – ISDA Representative  
 Dr. Paul McDaniel, University of Idaho – University of Idaho Representative

**Guests**

Ann Bates, Idaho Nursery Landscape Association  
 Shari Ferree, Idaho State Department of Agriculture

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

Chairman Walt Coiner called the Idaho Nursery and Florist Advisory Committee (NAC) meeting to order at 11:06 AM

**Budget Report:** Jared Stuart gave an overview of the budget situation. During the February 16, 2016 committee meeting, grant and educational outreach requests totaling \$7,101.00 were approved. As of December 31, 2016, the receipts totaled \$28,425.00, and expenses were \$986.52, leaving a balance of \$139,776.48. Pending approval of the final grant reports, there is an outstanding obligation of \$24,500.00. This leaves \$115,276.48 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 \$20,000.00.

*For each \$100 nursery license issued by the department, \$25.00 is dedicated to the research fund to support the grant program.*

**Nursery Research Account Budget Summary**

	Receipts	Expenses	Balance
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	\$44,450.00	\$42,087.72	\$ 79,709.28
FY2015	\$44,625.00	\$48,460.22	\$ 75,874.06
FY2016	\$46,000.00	\$ 9,536.06	\$112,338.00
FY2017	\$28,425.00	\$ 986.52	\$139,776.48 as of 12/31/2016

## **Other Business**

**Nursery renewal statistics:** For 2016 there were 1,826 nursery licenses were issued, up from 1,818 in 2015. On November 21, 2016, 2,062 renewal packets were mailed out. As of Monday February 13, 2017, we had received 1,456 license renewals; nearly the same as February 13, 2016 when we had 1,453 renewals. Late notices will be mailed later this week or early next week.

**Japanese beetle Eradication and Surveillance project:** From Jared Stuart: Last year (2016) we caught 128 beetles. In 2015 we caught 365 beetles. At the peak (2013) we caught 3,058 beetles, which was the first year of treatment. The reduction last year was not as significant as in previous years due to late (August) 2015 season catches in a park in Boise, outside the normal treatment area. We spot treated, but it was not early enough to be effective. The treatments take approximately thirty (30) days to be effective. In 2016 we focused on treating that area heavily. Outside of this park area, in the normal treatment area, we only caught about 40 beetles. For 2017 we are reducing the treatment area by approximately 80%. We will still be trapping in the delimit areas, but not as many. Previously we had an infestation in the Warm Springs area, near the department. We've also had some in the State Street area, but that treatment has gone away. We didn't treat any there last year, and no catches in the area, even though we had heavy trapping. Things are looking good for 2017; we are preparing the petition request to the board of examiners for funding, which will be a lot less than in the past. We will still have survey traps out throughout the state, by county and high risk area such as airports, nursery locations, etc. These are in addition to the delimit traps in the infested areas. In 2016 we had zero catches outside of the quarantine area. In Colorado they have issues with Japanese Beetle and Emerald Ash Borer in certain areas. *Japanese Beetle catch history (via email from Dr. Paul Castrovillo, ISDA Entomologist):*

*1993 to 1996: 0 (zero)*

*1997: 1 beetle in Gooding County. 1998-2010: 0 (zero)*

*2011: 1 beetle in Twin Falls Co.*

*2012: 1 beetle in Bannock Co., 4 beetles in Kootenai Co., 56 beetles in Ada Co. (Boise)*

*2013: 3058 beetles in Ada Co. (Boise) – first year of treatment in Boise*

*2014: 1283 beetles in Ada Co. (Boise) – second year of treatment in Boise*

*2015: 365 beetles in Ada Co. (Boise) – third year of treatment in Boise*

*2016: 128 beetles in Ada Co. (Boise) – fourth year of treatment in Boise*

**Gypsy Moth:** From Jared Stuart: Last year (2016) we did not have any catches. We did have catches two years ago near Kellogg. They were European Gypsy Moths, not Asian Gypsy Moths. European Gypsy Moths are not quite as prolific, which only needs delimit trapping before anything else. We did not have subsequent catches. Oregon and Washington have had lots of Asian Gypsy Moth catches in the last two years. They have done aerial spraying for catches along the I-5 corridor this past year.

**Grape Rule:** From Jared Stuart: There will be changes to the Idaho Grape Rule to make rules congruent between Idaho, Oregon, and Washington. The goal is for all three states to have the same quarantine and certification standard. The rule making meetings will be this summer. Notifications will be sent out to Ann Bates and the committee to share with anyone who may be interested.

## **Old Business**

University of Idaho requested an extension for all of their 2015 grant research projects with the Nursery Advisory Committee. They requested to extend the research through 2016 because the University did not release the funds to the researchers soon enough due to the fringe benefit adjustments made by the committee. \$19,500 remains outstanding pending approval of the final reports in January 2017. According to the minutes from last year, Howard Hughes and Ann Bates were on record to send a letter to the University. This was not completed. Ann Bates and Bob Reggear are taking on the task currently.

A recap of the situation, the policy of the committee has not been to pay overhead of fringe benefits as our funds are limited. Grant requests were received where the fringe benefits were between thirty and fifty percent of the total funds. The University fringe rates are different depending on the type of staff that is working on the research. Student workers have a significantly lower rate than other university employees. Previously, the committee talked about allowing a limited percentage of funding (possibly as much as 15%) for fringe benefits, but nothing had been decided upon. The committee is certain about no allowance for overhead costs (infrastructure and administration costs) to be funded by the grant program. The University Office of Sponsored Programs previously delayed releasing funds to the researchers until the fringe benefit issue was resolved.

Dr. Paul McDaniel: there is a new director for sponsored programs, Janet Nelson, who may have a different perspective than the prior director. Fringe benefits are the costs associated with keeping an employee, for example, workers compensation, insurance, retirement, etc. If the committee sets a cap on fringe rates, it may be possible for the researchers to find additional funding sources to cover the difference (outside of university funds) but they would have it on their own.

Joe Clayton suggested that we restrict the fringe benefit only in years when funds are limited.

Jared Stuart: The committee would have to vote as determined by the committee for each grant request. The University had said that the fringe rate was set by the federal government.

Joe Clayton said that we should wait until all committee members are present to vote on an amendment. Ann Bates commented that the lack of current proposals is possibly because of the recent extensions and Dr. Love's health status.

The consensus is to hold off on further discussion until after Ann Bates and Bob Reggear are able to communicate with the University.

Shari Ferree noted that the committee has a regular phone conference in the fall, but one could be scheduled earlier if needed.

#### **Review of 2015 Final Reports Extensions Granted Until 12/2016:**

- 1) NAC/ISDA 2015-1, \$2,055.00, "Exploring Procedures for Establishing Naturalized Wildflower Plantings in Urban and Suburban Sites" – Stephen L. Love, Ph.D., University of Idaho. Provisional report. (Paid in full.) A motion to approve the report was made by Walt Coiner and seconded by Joe Clayton; the motion was approved by the committee.
- 2) NAC/ISDA 2015-2, \$14,000.00 "Improvement, Propagation, and Commercialization of Native Plants for Water-Conserving and Traditional Landscapes" – Stephen L. Love, Ph.D., University of Idaho. (Outstanding balance of \$7,000.) A motion to approve the report was made by Joe Clayton and seconded by Walt Coiner; the motion was approved by the committee.
- 3) NAC/ISDA 2015-3, \$16,000.00 "Comparison of Biochar Sources Used in Potting Mixes" – Robert R. Tripepi, Ph.D., University of Idaho. (Outstanding balance of \$8,000.00.) A motion to approve the report was made by Walt Coiner and seconded by Dave Johanninger; the motion was approved by the committee.
- 4) NAC/ISDA 2015-6, \$9,000.00 "Turf Management Effect on Annual Broadleaf Weed Invasion and Field Bindweed Management in Kentucky Bluegrass Turf" – Don W. Morishita, Ph.D., University of Idaho. (Outstanding balance of \$4,500.) A motion to approve the report was made by Joe Clayton and seconded by Walt Coiner; the motion was approved by the committee.

#### **Review of 2016 Final Reports:**

- 1) NAC/ISDA 2016-1, \$5,000.00 "Idaho Horticulture Expo Seminars January 2017 – Education" – Ann Bates, Idaho Nursery & Landscape Association. (Outstanding balance of \$5,000 to be paid

upon invoice and approval of these minutes.) A motion to approve the report was made by Walt Coiner and seconded by Joan Mount; the motion was approved by the committee.

- 2) NAC/ISDA 2016-2 \$2,101.00 “Updates to White Weevil Control: - Jennifer Jensen, University of Idaho Extension, Sandpoint (Paid in full.) (Extension request submitted 9/12/2016.) The final report will be due December 2017. A motion to approve the extension request was made by Joe Clayton and seconded by Joan Mount; the motion was approved by the committee.

## New Business

### 2017 Research Proposals

- 1) NAC/ISDA 2017-1, \$9,000.00, “Developing Rapid On-Site Diagnostic Methods for Fungal Plant Pathogens” – James Woodhall, Ph.D., University of Idaho. Amended by the committee to a total of \$8,450.00, reducing the fringe benefit to approximately 15%.

Questions and comments:

Joan Mount asked if *Eutypa lata* research is being done in conjunction with same disease research on grapes in Washington at WSU? Has the grape industry in southern Idaho been asked to contribute to this research project? What if we stipulated to this type of project that this is a starting point and we would appreciate the cooperation of the table grape industry? It would be a nice cooperative effort between INLA, the department of agriculture, and industry for everyone to get on board. The *Verticillium dahliae* appears to be far more impacting to the ornamentals industry. Is this the same type that of pathogen that infects wheat fields, ornamentals, fruit trees, etc.? At some point in the future it would be a great benefit to the Kootenai Valley growers if you would hold a clinic in that area; possibly the UI campus or Sandpoint Extension, someplace in northern Idaho to accommodate the growers in that area?

Have you worked at all with the ARS research people in Aberdeen (Dr. Phillip Wharton) with the *Verticillium* wilt issues there?

Walt Coiner: Is there the opportunity to use this with any other pathogens for diagnostic testing?

Jared Stuart: I spoke to Dr. Woodhall at a grape industry meeting. He is a new pathologist from the United Kingdom. He spent a lot of time working with GE (genetically engineered) crops and GE testing. He has been coming up with new and different methods to test for specific plant pathogens. He has his own protocols and procedures that have been effective for testing. I have never seen any grapes being propagated at the Parma Research Station. To do the testing, he would probably have to receive samples from the growers in the region.

Joe Clayton: I appreciate hearing that he is on the cutting edge of this research and would like to keep a long term relationship for his research. This is important and valuable to us.

Dr. McDaniel: At the Parma Research Extension center where James is located, Dr. Esmail Fallahi is doing research with table grapes. I know that he and James have talked about collaborations on looking at these types of crops and bringing James’ expertise for the pathology side of things. I think that he would be very appreciative of any efforts to get collaborations going.

Fringe benefit discussion:

Joe Clayton: I would like to approve this with a 15% cap on the fringe.

Joan Mount: Maybe the grape industry can help cover some of the fringe benefits.

Walt Coiner: This sends a consistent message to the University.

A motion to approve the request as amended was made by Joe Clayton and seconded by Dave Johanningmeier; the motion was approved by the committee.

2) NAC/ISDA 2017-2, \$5,000.00, “Idaho Horticulture Expo Seminars 2018 – Education” – Ann Bates, Idaho Nursery & Landscape Association. A motion to approve the request was made by Walt Coiner and seconded by Joan Mount; the motion was approved by the committee.

3) NAC/ISDA 2017-3, \$6,000.00, “Plant Something Consumer Magazine” – Ann Bates, Idaho Nursery & Landscape Association.

Questions and comments:

Joe Clayton: The Montana Horticulture Expo did a nice job presenting videos they made that were used on television, social media, and other places. Ann may want to consider other forms of media along with the magazines / print.

Would it be possible to add an article or snippet explaining who funded the magazine? With a note that we have grant funds and are always looking for new research ideas.

Joan Mount: Will you be sending copies to all of the members?

Ann Bates: This is the same magazine that is passed out at the Boise Flower and Garden Show and copies are sent to the extension offices which have shows of their own. This is directed toward the retailer, not the wholesalers, like in the past.

Joan Mount: The Nez Perce County Extension office in Lewiston has a series of seminars during the month of February. We are there giving talks every Thursday and have approximately 80 participants each week.

Ann Bates: The Plant Something is a multistate campaign. Once one of the partnering states makes something (videos, print ads, social media, etc.) it is also available to all of the other to use at no additional cost. We just have to change the name. The cost saving is significant.

Joe Clayton will send a link for the Montana videos to the committee members.

A motion to approve the request was made by Walt Coiner and seconded by Joe Clayton; the motion was approved by the committee.

**University of Idaho report:** From Dr. Paul McDaniel: The College of Agricultural and Live Sciences (CALs) has a new Dean, Michael Parrella, Ph.D. Effective July 1, 2017 the department will be divided into three smaller units that can be more focused in respect to discipline, as we are currently the largest department at the University.

(1) The Plant Sciences Department, which should include horticulture, weeds, and crop sciences.

(2) Department of Entomology, Plant Pathology, and Nematology.

(3) Soil and Large Water Systems Resources Department.

Hopefully this will feed into our president’s goals of increased enrollment in the coming years. Our majors in horticulture, crop, soil, and water sciences will be much more visible to students.

For this group the impact may be that the University advisory person may need to be chosen from the plant sciences or entomology.

**Other Business**

**Upcoming Term Vacancies / Expirations:**

ISDA Advisory Committees 2017								
Committee	ISDA Person	Idaho Code	First Name	Last Name	Address	City	Postal Code	Term Expiration
State Nursery and Florists Advisory Committee	Jared Stuart	Title 22, Chapter 23	Paul	McDaniel	University of Idaho	Moscow	83844-2339	Indefinite



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

2017 Project #	\$ Amount Applied For	\$ Amount Approved	\$ Amount Denied	\$ Amount Unused	Research/Education Project	Principal Investigator & Institution
NAC/ISDA 2017-1	\$9,000.00	\$ 8,450.00	\$ 550.00		Developing Rapid On-Site Diagnostic Methods for Fungal Plant Pathogens	James Woodhall, Ph.D., University of Idaho
NAC/ISDA 2016-1	\$5,000.00	\$ 5,000.00			Idaho Horticulture Expo Seminars - Education (To be paid upon invoice after the 2018 Seminar.)	Ann Bates, Idaho Nursery & Landscape Association
NAC/ISDA 2016-2	\$6,000.00	\$ 6,000.00			Plant Something Consumer Magazine	Ann Bates, Idaho Nursery & Landscape Association
<b>Total</b>	<b>\$20,000.00</b>	<b>\$19,450.00</b>	<b>\$ 550.00</b>			
2016 Project #	\$ Amount Applied For	\$ Amount Approved	\$ Amount Denied	\$ Amount Unused	Research/Education Project	Principal Investigator & Institution
NAC/ISDA 2016-1	\$ 5,000.00	\$ 5,000.00			Idaho Horticulture Expo Seminars - Education (To be paid upon invoice after the 2017 seminar.)	Ann Bates, Idaho Nursery & Landscape Association
NAC/ISDA 2016-2	\$ 2,101.00	\$ 2,101.00			Updates to White Weevil Control (\$2,101.00 paid in full on 6/7/2016) (Extension request received 9/12/2016. Expires 12/2017.)	Jennifer Jensen, University of Idaho Extension, Sandpoint
<b>Total</b>	<b>\$ 7,101.00</b>	<b>\$ 7,101.00</b>				
2015 Project #	\$ Amount Applied For	\$ 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)	Stephen L. Love, Ph.D., University of Idaho
NAC/ISDA 2015-3	\$ 23,506.00	\$ 16,000.00	\$ 7,506.00		Comparison of Boichar Sources Used in Potting Mixes (\$8,000.00 paid on 5/14/2015.) (Extension request received 12/9/2015. Expires 12/2016)	Robert R. Tripepi, Ph.D., University of Idaho
NAC/ISDA 2015-4	\$ 20,367.00	\$ -	\$ 20,367.00		Effects of Fertility Applied Through Subirrigation on Arrowleaf Balsamroot	Kent G. Apostol, Ph.D., University of Idaho

NAC/ISDA 2015-5	\$ 5,000.00	\$ 5,000.00			Idaho Horticulture Expo Seminars - Education (To be paid upon invoice after the 2016 seminar.) (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)	Don W. Morishita, Ph.D., University of Idaho
<b>Total</b>	<b>\$ 77,868.00</b>	<b>\$ 46,055.00</b>	<b>\$ 31,813.00</b>			
<b>2014 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 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	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			Educational Seminar at the Idaho Horticulture Expo. January 21-23, 2015 (Paid in full on	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 Insustry 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	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>	<b>\$ 1,234.39</b>		
<b>2013 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 2013-1	\$ 5,000.00		\$ 5,000.00		Beneficial Influence of Humic Substance on Soil, Plant Health, and Crop Production.	Mir M. Seyedbagheri, University of Idaho, Elmore County Extension
NAC/ISDA 2013-2	\$ 2,000.00		\$ 2,000.00		Locally-Produced, After-Harvest Organic Materials as Peat Replacements.	Linda Chalke-Scott, Ph.D., Washington State University



NAC/ISDA 2013-3	\$ 11,810.00	\$ 11,810.00			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)	Stephen L. Love, Ph.D., University of Idaho
NAC/ISDA 2013-4	\$ 4,896.00	\$ 4,896.00			Establishing Naturalized Wildflower Plantings in Urban and Suburban Sites. (\$4,896.00 paid in full 3/13/2013)	Stephen L. Love, Ph.D., University of Idaho
NAC/ISDA 2013-5	\$ 18,325.00	\$ 18,325.00		\$ 4,685.45	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)	Robert R. Tripepi, Ph.D., University of Idaho
NAC/ISDA 2013-6	\$ 5,000.00	\$ 5,000.00			Educational Seminar at the Idaho Horticulture Expo. January 22-24, 2014 (To be paid upon invoice after January 2014 meeting)(Paid in full on 3/5/2014.)	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>\$ 4,685.45</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			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.)	Stephen L. Love, Ph.D., University of Idaho
NAC/ISDA 2012-2	\$ 3,527.00	\$ 3,527.00			Irrigation and Nitrogen Fertilization Effects on White Clover Persistence in a Kentucky Bluegrass Turf (\$3,527 paid in full 3/15/2012.)	Tom Salaiz, University of Idaho
NAC/ISDA 2012-3	\$ 2,076.00	\$ 2,076.00			Native Plant Tolerance to Several Pre- and Postemergence Herbicides (\$2,076 paid in full 3/15/2012.)	Don Morishita, Ph.D., University of Idaho
NAC/ISDA 2012-4	\$ 28,836.00		\$ 28,836.00		The Economic Impacts of Hispanic Labor on Idaho's Horticultural Industry	Phillip Watson, Ph.D.
NAC/ISDA 2012-5	\$ 30,157.50		\$ 30,157.50		Economic Impact of the Green Industry in Idaho	Stephanie L. Kane, University of Idaho
NAC/ISDA 2012-6	\$ 13,389.00	\$ 13,389.00			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)	Robert R. Tripepi, Ph.D., University of Idaho
NAC/ISDA 2012-7	\$ 17,300.00		\$ 17,300.00		Using Fertilizers to Adjust pH of a Manure-Amended Potting Mix	Robert R. Tripepi, Ph.D., University of Idaho
NAC/ISDA 2012-8	\$ 3,500.00	\$ 3,500.00			Plant Something Awareness Campaign (\$3,500 paid in full 3/14/2012.)	Ann Bates, Idaho Nursery & Landscape Association

Educational Outreach 2012	\$ 5,000.00	\$ 5,000.00			Idaho Nursery and Landscape Association Horticulture Expo Seminars (January 18-20, 2012) (\$5,000 paid on 11/28/2011.)	Ann Bates, Idaho Nursery & Landscape Association
Educational Outreach 2013	\$ 5,000.00	\$ 5,000.00			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.)	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		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.)	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		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.)	Don Morishita, Ph.D., University of Idaho
NAC/ISDA 2011-3	\$ 13,040.00	\$ 13,040.00			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.)	Tom Salaiz, University of Idaho
NAC/ISDA 2011-4	\$ 22,750.00	\$ 22,750.00			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.)	Stephen L. Love, Ph.D., University of Idaho
NAC/ISDA 2011-5	\$ 6,680.00		\$ 6,680.00		Studies to Improve Establishment of Wildflower Meadow Plantings in Urban and Suburban Sites	Stephen L. Love, Ph.D., University of Idaho
NAC/ISDA 2011-6	\$ 8,250.00		\$ 8,250.00		Mutation Breeding of Penstemon for Use in the Green Industry	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		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.)	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	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.)	Robert R. Tripepi, Ph.D., University of Idaho
Educational Outreach	\$ 5,000.00	\$ 5,000.00			Idaho Nursery & Landscape Association Idaho Horticulture Expo (January 19-21, 2011) (\$5,000 paid 1/12/2011.)	Ann Bates, Idaho Nursery & Landscape Association
Nursery Survey 2010	\$ 1,800.00	\$ 1,800.00			Idaho Nursery Survey (\$1,800 paid 4/14/11.)	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			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)	Stephen L. Love, Ph.D., University of Idaho
NAC/ISDA 2010-2	\$ 4,950.00	\$ 4,950.00			Evaluation of Native and Traditional Turfgrass Species for Low-Maintenance Lawns (Paid \$4,950.00 on 2/25/2010)	Thomas A. Salaz, University of Idaho
NAC/ISDA 2010-3 (see explanation of final \$\$ under Research/ Education Project)	\$ 15,000.00	\$ 7,000.00	\$ 8,000.00		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.)	Ann Bates, Idaho Nursery & Landscape Association
NAC/ISDA 2010-4	\$ 2,400.00		\$ 2,400.00		Alternative Potting Media Components: A Scientific Review	Linda Chalker-Scott, Ph.D., Washington State University
NAC/ISDA 2010-5	\$ 34,299.09		\$ 34,299.09		Economic Importance of the Green Industry in Idaho	J.D. Wulforth, Ph.D., University of Idaho
NAC/ISDA 2010-6	\$ 16,334.00	\$ 16,334.00			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)	Robert R. Tripepi, Ph.D., Joseph Kuhl, University of Idaho
NAC/ISDA 2010-7	\$ 4,970.00	\$ 4,970.00			Microbial Analyses of and Plant Growth in Composted Cattle Biosolids Sampled Over Time (Paid \$4,970.00 on 2/25/2010)	Robert R. Tripepi, Ph.D., Joseph Kuhl, University of Idaho
NAC/ISDA 2010-8	\$ 7,800.00	\$ 7,800.00			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)	Brad Geary, Ph.D., Brigham Young University
Nursery Survey 2009	\$ 1,800.00	\$ 1,800.00			Idaho Nursery Survey (paid 04/05/2010)	Vince Matthews, USDA-NASS

Educational Outreach	\$ 5,000.00	\$ 5,000.00				Idaho Nursery & Landscape Association Idaho Horticulture Expo (January 20-23, 2010) (Paid 1/27/2010.)	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		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)	Stephen L. Love, Ph.D., University of Idaho
NAC/ISDA 2009-2	\$ 5,050.00	\$ 5,050.00				Evaluation of Native and Traditional Turfgrass Species for Low- Maintenance Lawns (Paid \$5,050.00 on 3/3/2009)	Thomas A. Salatz, University of Idaho
						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)	Robert R. Tripepi, Ph.D., University of Idaho
NAC/ISDA 2009-3	\$ 23,434.00	\$ 23,434.00		\$ 4,821.99		Idaho Nursery & Landscape Association Idaho Horticulture Expo (January 21-23, 2009) (Paid 1/5/2009)	Ann Bates, INILA
Educational Outreach	\$ 5,000.00	\$ 5,000.00					
Nursery Survey 2008	\$ 1,800.00	\$ 1,800.00				Nursery Industry Survey (Paid 02/25/2009)	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				Managing New and Emerging Virus Threats to the Green Industry (Paid \$5,000.00 on 3/12/2008)	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 3/3/2008)(Paid balance \$5,677.50 on 3/3/2009)	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 \$3,753.00 on 3/3/2008)	Thomas A. Salatz, 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 3/3/2008)(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)	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			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)	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) (paid 1/2/2008)	Ann Bates, INLA
Nursery Survey 2007	\$ 1,000.00	\$ 1,000.00			Nursery Industry Survey (paid 05/13/08)	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>		
<b>2007 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 2007-1 (see explanation of final \$\$ under Research/ Education Project)	\$ 5,996.00	\$ 5,996.00		\$ 1,433.22	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)	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	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)	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 \$4,140.00 on 3/13/2007)(Paid \$4,140.00 on 3/3/2008)	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	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)	Stephen L. Love, Ph.D., University of Idaho
NAC/ISDA 2007-6	\$ 10,000.00		\$ 10,000.00		Development of Improved Landscape Plants (continuation)	Harold Pellett, Ph.D., Landscape Plant Development Center
Nursery Survey 2006	\$ 1,000.00	\$ 1,000.00			Nursery Industry Survey (paid 08/08/2007)	William Meyer, Idaho Agricultural Statistics Service, USDA
Educational Outreach	\$ 3,000.00	\$ 3,000.00			Horticulture Research Institute (paid 01/07/08)	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>		
<b>2006 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 2006-1	\$ 11,820.00	\$ 11,820.00			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)	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	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.)	Steven L. Love, Ph.D., University of Idaho
NAC/ISDA 2006-3	\$ 4,600.00	\$ 4,600.00		\$ 7,319.58	Evaluation of Corkbark and Subalpine Fir for their Potential as Ornamental Nursery Stock and Christmas Trees (Paid \$4,600.00 on 3/15/2006)	Danny L. Barney, Ph.D., University of Idaho
NAC/ISDA 2006-4	\$ 15,000.00		\$ 15,000.00		Lake Pend Oreille Shoreline Landscape Education and Demonstration Project	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)	\$ 10,000.00	\$ 5,000.00	\$ 5,000.00		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.)	Harold Pellett, Ph.D., Landscape Plant Development Center, Minnesota
NAC/ISDA 2006-6	\$ 8,040.00	\$ 8,040.00			Using Shade to Improve Transplant Survival of Piñon Pine and Sub-alpine Fir Seedlings (Paid \$4,020.00 on 3/15/2006)(Paid \$4,020.00 on 9/13/2007)	Robert R. Tripepi, Ph.D., University of Idaho

NAC/ISDA 2006-7	\$ 4,520.00	\$ 4,520.00			Growing Pinyon Pine and Sub-alpine Fir Seedlings in Fabric and Plastic Containers (Paid \$4,520.00 on 3/15/2006)	Robert R. Tripepi, Ph.D., University of Idaho
					Effects of Wedge-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)	John E. Lloyd, Ph.D., University of Idaho
NAC/ISDA 2006-8	\$ 19,050.00	\$ 19,050.00				
NAC/ISDA 2006-9 (see explanation of final \$\$ under Research/ Education Project)	\$ 16,700.00	\$ 1,000.00	\$ 15,700.00	\$ 1,000.00	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.)	John E. Lloyd, Ph.D., University of Idaho
Nursery Survey 2005	\$ 1,000.00	\$ 1,000.00			Nursery Industry Survey (paid 06/2006)	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 02/23/06)	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		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.)	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 3/11/2005)(Paid \$11,695.92 8/25/2006)	Sandra E. Cann, Ph.D.; J.D. Wulffhorst, Ph.D., University of Idaho
					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)	Danny L. Barney, Ph.D., University of Idaho
NAC/ISDA 2005-3	\$ 4,600.00	\$ 4,600.00				
NAC/ISDA 2005-4	\$ 10,836.00	\$ 10,836.00			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)	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 (paid 06/2005)	Don Gerhardt, Idaho Agricultural Statistics Service, USDA
Educational Outreach	\$ 2,000.00	\$ 2,000.00			Horticultural Research Institute (paid 03/2005)	

Educational Outreach	\$ 2,371.70	\$ 2,371.70			Idaho State Florist Association (paid 09/07/05)	
<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			Holding Bareroot Colorado Spruce Trees in a Gravel Bed (Paid \$4,258.00 on 2/20/2004)	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 \$4,199.00 on 2/20/2004)(Paid \$4,199.00 on 3/10/2005)	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 \$3,700.00 on 2/20/2004)	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 University
NAC/ISDA 2004-5	\$ 15,000.00	\$ 15,000.00			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)	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			Alternative Practices for Aphid & Honeydew Management on Landscape Trees (Paid \$5,000.00 on 2/20/2004)	John E. Lloyd, Ph.D. & Steve Nittolo, University of Idaho
Nursery Survey 2003	\$ 1,000.00	\$ 1,000.00			Nursery Industry Survey (paid 05/2004)	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			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)	Danny L. Barney, Ph.D., University of Idaho
NAC/ISDA 2003-2	\$ 4,360.25	\$ 4,360.25			Defining Business Operations Related to the Green Industry (Paid \$4,360.25 on 2/6/2003)	J.D. Wulfhorst, Ph.D. & Sandra E. Cann, Ph.D., University of Idaho



NAC/ISDA 2003-3	\$ 21,366.00	\$ 21,366.00			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)	Robert R. Tripepi, Ph.D. & John E. Lloyd, Ph.D., University of Idaho
NAC/ISDA 2003-4	\$ 14,823.00		\$ 14,823.00		Determining the Effects of Fertilizer Treatments One Year After Application to Harvested B&B Colorado Spruce	Robert R. Tripepi, Ph.D. & John E. Lloyd, Ph.D., University of Idaho
NAC/ISDA 2003-5	\$ 9,000.00		\$ 9,000.00		White Fly Eradication with Ozone	Janet Richardson, Lost River Geothermal
NAC/ISDA 2003-6	\$ 5,000.00		\$ 5,000.00		Growing Bear Grass In Greenhouses	Janet Richardson, Lost River Geothermal
NAC/ISDA 2003-7	\$ 13,008.00	\$ 13,008.00			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.)	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			Nursery Industry Survey (paid 05/2003)	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>			
<b>2002 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 2002-1	\$ 10,000.00		\$ 10,000.00		Development of Improved Landscape Plants	Harold Pellett, Ph.D., Landscape Plant Development Center
NAC/ISDA 2002-2	\$ 2,900.00	\$ 2,900.00			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)	Danny L. Barney, Ph.D., University of Idaho
NAC/ISDA 2002-3	\$ 21,016.00	\$ 21,016.00			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)	Robert R. Tripepi, Ph.D., University of Idaho
NAC/ISDA 2002-4	\$ 5,709.00	\$ 5,709.00			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)	Robert R. Tripepi, Ph.D., University of Idaho
Nursery Survey 2001	\$ 1,000.00	\$ 1,000.00			Nursery Industry Survey (paid 08/27/02)	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>			
<b>2001 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 2001-1	\$ 7,246.00	\$ 7,246.00			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)	Robert R. Tripepi, Ph.D., University of Idaho
NAC/ISDA 2001-2	\$ 4,580.00		\$ 4,580.00		Improving Gene Transfer Techniques for Rhododendron	Robert R. Tripepi, Ph.D., University of Idaho
NAC/ISDA 2001-3	\$ 10,972.00		\$ 10,972.00		Integrated Disease Management of hizoctonia in Rooting-Mist Beds (This proposal was rescinded.)	Warren Copes, Ph.D., Washington State University
NAC/ISDA 2001-4	\$ 1,131.00	\$ 1,131.00			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)	Danny L. Barney, Ph.D., University of Idaho
Nursery Survey 2000	\$ 1,000.00	\$ 1,000.00			Nursery and Greenhouse Survey (paid 04/24/01)	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>			
<b>2000 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 2000-1	\$ 4,280.00	\$ 4,280.00			Evaluation of Corkbark and Subalpine Fir for Their Potential as Ornamental Nursery Stock and Christmas Trees (Paid \$4,280.00 on 2/9/2000)	Danny L. Barney, Ph.D., University of Idaho
NAC/ISDA 2000-2	\$ 2,448.00	\$ 2,448.00			Production of Evergreen Shrubs in Paper Sludge-Amended Media (Paid \$2,448.00 on 2/10/2000)	Robert R. Tripepi, Ph.D., University of Idaho
NAC/ISDA 2000-3	\$ 1,000.00	\$ 1,000.00			Idaho Nursery and Greenhouse Survey - 1999 (Paid \$1,000.00 on 2/9/2000)	Don Gerhardt, Idaho Agricultural Statistics Service, USDA
NAC/ISDA 2000-4	\$ 20,000.00	\$ 20,000.00			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)	J.D. Wulfforst, 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  
IDAHO STATE DEPARTMENT OF AGRICULTURE  
2270 OLD PENITENTIARY ROAD  
BOISE, IDAHO

CONFERENCE CALL  
MEETING AGENDA FOR TUESDAY, FEBRUARY 14, 2017  
11:00 A.M. MST TO 2:00 P.M. MST

### TOPICS FOR DISCUSSION:

1. Call to order and Comments from the Chair
2. Introductions
3. Budget reports – Jared Stuart, Idaho State Department of Agriculture
  - A. Nursery Inspection Program
  - B. Nursery Research Program
4. Japanese Beetle, Gypsy Moth Update
5. Old Business:
  - A. Review Final Grant Reports
  - B. Other
6. University of Idaho Report – Dr. Robert Tripepi
7. New Business:
  - A. Review and Selection of New Grant Applications
  - B. Other
8. 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\*\***

## Shari Ferree

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**From:** Joe Clayton <joe@claytontreefarm.com>  
**Sent:** Monday, March 20, 2017 8:50 PM  
**To:** 'Dave Johanningmeier'; 'Gary Paulson'; 'Robert Reggear'  
**Cc:** 'Walt Coiner'; Shari Ferree; 'a bates@inlagrow.org'; Jared Stuart; GreenThingsNursery@Gmail.com; 'Paul McDaniel'  
**Subject:** RE: February 14, 2017 Meeting Minutes - Approval Needed

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Thanks for the write up, Shari. I approve the minutes.

Joe Clayton

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**From:** Dave Johanningmeier [mailto:dave@webbland.com]  
**Sent:** Monday, March 20, 2017 12:53 PM  
**To:** 'Gary Paulson'; Robert Reggear  
**Cc:** Walt Coiner; Shari Ferree; a bates@inlagrow.org; Jared Stuart; GreenThingsNursery@Gmail.com; joe@claytontreefarm.com; Paul McDaniel (paulm@uidaho.edu)  
**Subject:** RE: February 14, 2017 Meeting Minutes - Approval Needed

These minutes look good. I approve.

Thank you,

**Dave Johanningmeier**

Webb Landscape, Nursery Director

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P 208.788.2066  
F 208.788.2633  
C 208.720.8011

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162 Glendale Rd.  
Bellevue, ID 83313  
[dave@webbland.com](mailto:dave@webbland.com)  
[www.webbland.com](http://www.webbland.com)



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**From:** Gary Paulson [mailto:mtplants@silverstar.com]  
**Sent:** Thursday, March 16, 2017 10:47 AM  
**To:** Robert Reggear  
**Cc:** Walt Coiner; Shari Ferree; a bates@inlagrow.org; Dave Johanningmeier; Jared Stuart; GreenThingsNursery@Gmail.com; joe@claytontreefarm.com; Paul McDaniel (paulm@uidaho.edu)  
**Subject:** Re: February 14, 2017 Meeting Minutes - Approval Needed

Shari,  
The minutes look fine.

Gary Paulson

---

**From:** "Robert Reggear" <[rtf@cpcinternet.com](mailto:rtf@cpcinternet.com)>  
**To:** "Walt Coiner" <[wcoiner@sunvalley.com](mailto:wcoiner@sunvalley.com)>, "Shari Ferree" <[Shari.Ferree@ISDA.IDAHO.GOV](mailto:Shari.Ferree@ISDA.IDAHO.GOV)>, "a bates@inlagrow.org" <[abates@inlagrow.org](mailto:abates@inlagrow.org)>, [Dave@WebbLand.com](mailto:Dave@WebbLand.com), "Gary Paulson" <[mtplants@silverstar.com](mailto:mtplants@silverstar.com)>, "Jared Stuart" <[Jared.Stuart@ISDA.IDAHO.GOV](mailto:Jared.Stuart@ISDA.IDAHO.GOV)>, [GreenThingsNursery@Gmail.com](mailto:GreenThingsNursery@Gmail.com), "[joe@claytontreefarm.com](mailto:joe@claytontreefarm.com)" <[joe@claytontreefarm.com](mailto:joe@claytontreefarm.com)>, "Paul McDaniel ([paulm@uidaho.edu](mailto:paulm@uidaho.edu))" <[paulm@uidaho.edu](mailto:paulm@uidaho.edu)>  
**Sent:** Sunday, March 12, 2017 2:52:29 PM  
**Subject:** Re: February 14, 2017 Meeting Minutes - Approval Needed

Shari

Thanks for the cd of the minutes, they we great. I approve the minutes.

Bob Reggear

**From:** Walt Coiner  
**Sent:** Saturday, March 11, 2017 9:21 AM  
**To:** Shari Ferree ; Ann Bates ([abates@inlagrow.org](mailto:abates@inlagrow.org)) ; Dave Johanningmeir ([Dave@WebbLand.com](mailto:Dave@WebbLand.com)) ; Gary Paulson ([mtplants@silverstar.com](mailto:mtplants@silverstar.com)) ; Jared Stuart ; Joan Mount ([GreenThingsNursery@Gmail.com](mailto:GreenThingsNursery@Gmail.com)) ; Joe Clayton ([joe@claytontreefarm.com](mailto:joe@claytontreefarm.com)) ; Paul McDaniel ([paulm@uidaho.edu](mailto:paulm@uidaho.edu)) ; Robert Reggear ([rtf@cpcinternet.com](mailto:rtf@cpcinternet.com))  
**Subject:** RE: February 14, 2017 Meeting Minutes - Approval Needed

First Glance these look fine by me.

Walt Coiner

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**From:** Shari Ferree [<mailto:Shari.Ferree@ISDA.IDAHO.GOV>]  
**Sent:** Friday, March 10, 2017 3:51 PM  
**To:** Ann Bates ([abates@inlagrow.org](mailto:abates@inlagrow.org)); Dave Johanningmeir ([Dave@WebbLand.com](mailto:Dave@WebbLand.com)); Gary Paulson ([mtplants@silverstar.com](mailto:mtplants@silverstar.com)); Jared Stuart; Joan Mount ([GreenThingsNursery@Gmail.com](mailto:GreenThingsNursery@Gmail.com)); Joe Clayton ([joe@claytontreefarm.com](mailto:joe@claytontreefarm.com)); Paul McDaniel ([paulm@uidaho.edu](mailto:paulm@uidaho.edu)); Robert Reggear ([rtf@cpcinternet.com](mailto:rtf@cpcinternet.com)); Walt Coiner  
**Subject:** February 14, 2017 Meeting Minutes - Approval Needed

Hello Everyone,

A pdf copy of the Feb 14<sup>th</sup> meeting minutes are attached. We need all of the committee members to review the minutes, and reply to all any updates / changes that need to be made or your approval that the minutes are correct. It is important that each one of you replies to everyone, so I can have a clear approval to attach to this.

If you have any questions, please let us know.

Thank you all for your continued service,

~ 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@ISDA.Idaho.gov](mailto:Shari.Ferree@ISDA.Idaho.gov)*