

**Minutes of the
Idaho Nursery and Florist Advisory Committee Meeting
The Grove Hotel – Clearwater Room, Boise, Idaho
9:00 a.m. – 2:05 p.m., January 22, 2011**

In Attendance:

Committee Members

Howard Hughes, Horticulture Services, Inc., Post Falls, ID – Committee Chairman
Kevin Allen, Pro-Care Landscape Services, Meridian, ID – Committee Member (absent)
Willy Birkholz, Landscape Solutions, Boise, ID – Committee Member
Gary Paulson, Mountain Plants Inc., Victor, ID – Committee Member
Brian Winn, Jayker Wholesale Nursery, Twin Falls, ID – Committee Member
Robert (Bob) Reggear, Reggear Tree Farm, Orofino, ID – Committee Member
Michael E. Cooper, Idaho State Department of Agriculture (ISDA) – ISDA Representative
Dr. James E. Johnson, University of Idaho – University of Idaho Representative (absent)

Guests

Ann Bates, Idaho Nursery and Landscape Association (INLA)
Vince Matthews, USDA, Idaho Agriculture Statistics Services
Ruth Herman, Idaho State Department of Agriculture
Dr. Stephen L. Love, University of Idaho Representative
Thomas Salaiz, University of Idaho Representative
Dr. Robert R. Tripepi, University of Idaho Representative

Call to Order and Comments from the Chair; Introductions

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

USDA NASS Report and Annual Survey Agreement - Vince Matthews, Director

Vince Matthews, Director of the Idaho Field Office, USDA National Agriculture Statistics Services (NASS), requested support of \$1,800 for the nursery greenhouse survey that they conduct in cooperation with the ISDA. He presented the results from last year's survey and handed out a one-page summary called "Presentation to the INAC - January 22, 2011, Comparison of the Idaho Nursery and Greenhouse Sales Survey and the Census of Horticultural Specialties (2009)" and a table entitled, "Preliminary comparison of the Annual Nursery Survey and the Horticultural Census" (see attached). NASS has published the Nursery Survey results for 2009 but as they look in more detail when they publish the results from the 2010 survey, they may be revising that 2009 figure but in general it won't be a very big adjustment. A motion to approve \$1,800 for the Idaho Nursery Survey for the growing year of 2010 was made by Willy Birkholz and Gary Paulson seconded it. The motion was then approved by the full committee. The annual nursery and greenhouse survey will be mailed in February and released in April 2011.

Budget Report:

Mike Cooper gave a brief overview of the budget situation. The cash balance of the research fund as of October 6, 2010, was \$113,922.32.

- A total of \$48,989 was approved on January 23, 2010; \$30,454.50 was disbursed to the grantees leaving a total of \$18,534.50 (\$6,467.50+\$8,167.00+\$3,900.00) to be disbursed upon approval of the final reports.
- A contract payment of \$1,800 was made to the Idaho Agricultural Statistics Service for the 2009 survey.
- An additional request of \$5,000 for printing the publication "Gardening and Landscaping in Idaho *Alternatives to Invasive Species*" by the Idaho Nursery and Landscape Association was approved via email by the Idaho Nursery and Florist Advisory Committee and paid on 10/1/2010.

- A payment was requested and approved in the amount of \$5,000 to the Idaho Nursery and Landscape association in support of the 2011 Idaho Horticultural Expo. Payment was made on 1/12/2011.

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	\$37,096.99	\$11,151.79	\$139,431.53 as of January 19, 2011

Mike reported that purchases of Nursery licenses have decreased in the couple of years. As of January 21, 2011, there have been 1,273 licenses purchased. The Nursery budget is in a fund with about a dozen other budgets and that fund as a whole is fairly healthy. As programs flow over time, sometimes a fund gets in a little bit of trouble and then it bounces back in a year or two. The Nursery program has been down about 10 to 12 thousand dollars every year for the past three or four years. Operating expenses are not the significant portion of the losses. Most of the loss is on the personnel side. The options are to cut back inspection services to try to recover some of that cost, and over the long-term look at the restructuring of the fee schedule. We have a flat fee schedule for nursery licensing. The nursery license fee is \$75 plus \$25 for the Research program for a total \$100. Other states have a fee structure based on volume of gross sales.

ISDA and the INLA board will put together a small committee to consider revising one section of the nursery law that deals with licensing. The Idaho Nursery and Florist Advisory Committee will also need to be involved in the rewriting of the law in an advisory capacity. If the Department sponsors a nursery law change and supports it, it needs to be in by September 1st. If INLA supports and sponsors it through a member of the Legislator, it could be worked on for a longer period before being submitted. Since the revised legislation has a fee change, it has to start in the House. The revised fee schedule would have to be approved by the legislature and the earliest it could happen would be 2012. Bob Reggear suggested that the Research Fund portion of the nursery license fee be funded at 25% of the licensing fee instead of just a flat rate of \$25. Mike will survey the surrounding states and some eastern states to see how they structure their license fee schedules. Ann Bates said that after Mike gives INLA the information he has collected, she will take it to the INLA's summer meeting in June.

Old Business:

Open meeting law: ISDA is the official meeting place to attend a NAC conference call. It is legal to have members of the public to come to the NAC members' offices to listen to a conference call meeting. Mike would like to get the NAC meetings advertised at the INLA Hort Expo in the future to comply a little bit more with the open meeting law. Ann said the INLA could post the NAC meeting place and date at the Expo. The Public Meeting Notice is posted with the agenda included. New business can be added under Other Business as it is brought up during the meeting, but the Agenda should have very little changes made to it after it has been posted.

Review of 2010 Final Reports:

- 1) NAC/ISDA 2010-1, \$12,935.00, "Improvement and Propagation of Native Plants for Water-Conserving and Traditional Landscapes" - Stephen L. Love, Ph.D., University of Idaho. Kevin Allen's written comments were read (see attached). A motion to accept the final report was made by Brian Winn and seconded by Gary Paulson; the motion was then approved by the full committee. There is an outstanding balance of \$6,467.50 that will be disbursed upon approval of the final report.
- 2) NAC/ISDA 2010-2, \$4,950.00, "Evaluation of Native and Traditional Turfgrass Species for Low-Maintenance Lawns" - Thomas A. Salaiz, University of Idaho. Kevin Allen's written comments were read (see attached). A motion to accept the final report was made by Bob Reggear and seconded by Willy Birkholz; the motion was then approved by the full committee.

- 3) NAC/ISDA 2010-3, \$2,000 and \$5,000, "Alternative Plants to Invasive Species Landscaping Publication" - Ann Bates, Idaho Nursery & Landscape Association. Kevin Allen's written comments were read (see attached). A motion to accept the final report was made by Brian Winn and seconded by Bob Reggear; the motion was then approved by the full committee.
- 4) NAC/ISDA 2010-6, \$16,334.00 "Testing Effectiveness of New All Natural Fertilizers/Additives on Selected Herbaceous and Woody Plants" - Robert R. Tripepi, Ph.D., University of Idaho. Kevin Allen's written comments were read (see attached). A motion to accept the final report was made by Willy; the motion was seconded by Brian Winn; the motion was approved by the full committee. There is an outstanding balance of \$8,167.00 that will be disbursed upon approval of the final report.
- 5) NAC/ISDA 2010-7, \$4,970 "Microbial Analyses of and Plant Growth in Composted Cattle Biosolids Sampled Over Time" - Robert R. Tripepi, Ph.D. & Joseph Kuhl, University of Idaho. Kevin Allen's written comments were read (see attached). A motion to accept the final report was made by Brian Winn and seconded by Willy Birkholz; the motion was then approved by the full committee.
- 6) NAC/ISDA 2010-8, \$7,800.00 "Mutation Breeding of Penstemon for Use in the Green Industry" - Brad Geary, Ph.D., Brigham Young University. Kevin Allen's written comments were read (see attached). A motion to approve the final report was made by Willy Birkholz and seconded by Gary Paulson; the motion was then approved by the full committee. There is an outstanding balance of \$3,900.00 that will be disbursed upon approval of the final report.

PCR Presentation. Dr. Robert Tripepi explained the process they use to identify microorganisms in composts using a "You Tube" program about Polymerase Chain Reaction (PCR) for isolating DNA sequences from many microorganisms. Below is a short explanation Dr. Tripepi sent in reply to questions asked during the 2010 Fall Conference Call.

First, DNA is extracted from the compost samples. Second, DNA primers were selected for the 16s ribosomal region of the extracted DNA. We are first examining three different primers for bacteria and two primers for fungi. Extracted DNA is mixed with one primer set and DNA polymerase for the Polymerase Chain Reaction (PCR) which results in the polymerase enzyme amplifying (making many copies of) a specific DNA region that match the specific primer. The amplified DNA products will/should be from a number of different microbes that match the primer. The PCR DNA products will have similar but slightly different sequences, so that when the DNA is loaded onto a denaturing gradient gel used with electrophoresis (hence the abbreviation DGGE), the various sequences of DNA denature (become immobile) along the length of the gel lane. The distance the DNA travels in the gel lane is related to where it denatures in the gel, which in turn is related to the DNA composition (base pairs in the DNA sequence).

Third, after the PCR DNA products are applied and electrophoresis is used to drive the DNA to the other end of the gel, the various bands will precipitate in a lane where the DNA becomes denatured, that is made immobile in the gel. The bands are then cut out, and the DNA is extracted from the gel. My graduate student tried purifying the DNA completing another PCR step and then a second DGGE to see if the band she extracted was pure enough to submit for sequence analysis. Based on her study to date, the extra purification step seems unnecessary since it failed to yield better DNA samples for identification. Once the DNA is isolated from the gel, it undergoes a PCR step and clean up before the DNA is shipped to a company that completes sequence analysis. The company sends the base sequences to us, and the graduate student uses a large database to match the DNA sequence to a microorganism, if possible. Many factors can affect identifying the microorganisms based on the sequence data. Based on her results so far, only the analyses from months 0 and 3 will probably be available for the final report due at the end of December. I will be sure to submit a concluding report that includes the 6 and 9 month compost data to the NAC once the research project is completed by next July.

Montana Nursery License Issue. The reciprocity clause will be added to Montana's law this year. They will adopt a reciprocity clause on an emergency basis on adoption of the Governor's signature.

New Business:

The committee agreed that this review of the Research Proposals will be a three-step process because there is so much competition for the Research dollars. The first step is to go through all the proposals to see if at least one member wants the group to review a proposal. If no one wants to discuss a proposal, it is set aside as a denial. The second step is to review the proposals that at least one person wanted to review. The third step is to talk about the funding of each proposal. The funding can be negotiated by asking the researcher to resubmit the proposal with

modifications within the funding proposed by the Committee. After submission of a revised research proposal, the Committee will need to approve it. Next year ISDA will bring a copy of the excel spreadsheet of grant proposals so the Committee can see the amounts modified.

2011 Research Proposals

- 1) NAC/ISDA 2011-1, \$2,500 “A Certified Nursery Professional Training Program for Idaho” - Michael E. Bauer, University of Idaho Extension. The discussion was about the researcher using other sources to help with the project costs; and take \$1000 out for the cost of the manuals and \$700 for the testing fees. The INLA Research Committee recommended denial of this project (see attached). Kevin Allen’s written comments were read (see attached). A motion to approve the proposal in the amount of \$700 to cover instructor travel and supplemental course material only was made by Gary Paulson and seconded by Brian Winn; the motion was then approved by the committee members who were present. Mr. Bauer will be asked to resubmit the proposal.
- 2) NAC/ISDA 2011-2, \$14,132 “Native Plant Tolerance to Several Pre- and Post-emergence Herbicides” - Don Morishita, Ph.D., University of Idaho. The discussion was about limiting the research to one site because that would involve less labor, travel, and plant material costs. The committee wants the project to use herbicides that are labeled for horticulture use. The INLA Research Committee recommended funding of this project (see attached). Kevin Allen’s written comments were read (see attached). A motion to approve the proposal with the idea that the research project be amended to be done only in Kimberly for \$8,500 was made by Willy Birkholz and seconded by Gary Paulson; the motion was then approved by the committee members who were present. Dr. Morishita will be asked to resubmit the proposal.
- 3) NAC/ISDA 2011-3, \$13,040 “Irrigation and Nitrogen Fertilization Effects on White Clover Persistence in a Kentucky Bluegrass Turf” - Tom Salaiz, University of Idaho. The discussion focused on the number of sprinkler zones and size of the blocks and if the costs could be reduced. Tom Salaiz thought that due to the economic downturn he might not be able to get the irrigation supplies donated. The INLA Research Committee recommended denial of this project (see attached). Kevin Allen’s written comments were read (see attached). A motion to approve the proposal as presented was made by Willy Birkholz and seconded by Robert Reggear; Gary Paulson and Brian Winn opposed; the motion was then approved by the majority of committee members which included Kevin Allen’s written vote.
- 4) NAC/ISDA 2011-4, \$22,750 “Improvement and Propagation of Native Plants for Water-Conserving and Traditional Landscapes” - Stephen L. Love, Ph.D., University of Idaho. The INLA Research Committee recommended funding of this project (see attached). Kevin Allen’s written comments were read (see attached). A motion to approve the proposal was made by Brian Winn and seconded by Gary Paulson; the motion was then approved by the committee members who were present.
- 5) NAC/ISDA 2011-5, \$6,680 “Studies to Improve Establishment of Wildflower Meadow Plantings in Urban and Suburban Sites” - Stephen L. Love, Ph.D., University of Idaho. The INLA Research Committee recommended funding of this project (see attached). Kevin Allen’s written comments were read (see attached). The study seemed to benefit the homeowners more than the greenhouse/nursery industry. A motion to deny the proposal was made by Robert Reggear and seconded by Brian Winn; Gary Paulson opposed; the motion was then approved by the committee members who were present.
- 6) NAC/ISDA 2011-6, \$8,250 “Mutation Breeding of Penstemon for Use in the Green Industry” - Brad Geary, Ph.D., Brigham Young University. The INLA Research Committee recommended funding of this project (see attached). Kevin Allen’s written comments were read (see attached). A motion to deny the proposal was made by Brian Winn and seconded by Gary Paulson; the motion was then approved by the committee members who were present. The NAC committee is still interested in this project and would possibly entertain the notion of funding continued research in 2012, but due to budget constraints, the Committee denied funding this year.

- 7) NAC/ISDA 2011-7, \$16,334 "Testing Effectiveness of Four Idaho All Natural Fertilizers/Additives on Selected Herbaceous and Woody Plants" - Robert R. Tripepi, Ph.D., University of Idaho. The discussion was about moving the project into a more-controlled greenhouse setting instead of a field setting to help control the media/watering and reduce the cost. Dr. Tripepi didn't know if there is available space in a greenhouse. The INLA Research Committee was undecided about this project (see attached). Kevin Allen's written comments were read (see attached). A motion to deny the proposal as written and give Dr. Tripepi the opportunity to resubmit the proposal was made by Gary Paulson and seconded by Robert Reggear; the motion was then approved by the committee members who were present.
- 8) NAC/ISDA 2011-8, \$17,900 "Using Sulfur to Adjust the pH of a Manure-Amended Potting Mix" - Robert R. Tripepi, Ph.D., University of Idaho. The discussion was about modifying the cost of this project. Dr. Tripepi said they could reduce the gypsum treatments used in the research. He hoped this would be the last year as a solid component and alternative to peat moss. The INLA Research Committee recommended funding of this project (see attached). Kevin Allen's written comments were read (see attached). A motion to approve the proposal with the amount being requested to be amended to \$12,000 was made by Willy Birkholz and seconded by Robert Reggear; the motion was then approved by the committee members who were present. Dr. Tripepi will modify and resubmit the proposal.

University of Idaho Report – Dr. James E. Johnson

Due to family-related reasons, Dr. Johnson was unable to attend the Idaho Nursery and Florists Advisory Committee meeting.

Other Business:

Willy Birkholz made a motion to fund the speakers for INLA Expo 2012 for \$5000; Gary Paulson seconded the motion; the motion was then approved by the Committee members who were present. It is not part of the grant process; it would be part of education outreach. A letter to request the funding for educational outreach purposes will be submitted. Howard wants it identified as education outreach and part of the budget.

There was much discussion about the funding and the funding mechanism. Mike can put together a spreadsheet that shows the budget to be used next year as part of the Research Grant evaluation process.

If any more educational outreach requests come in, the Chairman will send out an e-mail poll asking for the members input.

All three members (Brian Winn, Gary Paulson, Robert Reggear) whose terms expire this year agreed that they would like to continue serving on the committee and Ann Bates will submit three more names to the Director.

Bob Reggear moved to adjourn the meeting; Brian Winn seconded the motion. The Committee adjourned at 2:05 p.m.



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AGENDA
Idaho Nursery and Florist Advisory Committee Meeting
The Grove Hotel – Clearwater Room, Boise, Idaho
Saturday, January 22, 2011

Committee Members

Howard Hughes, Horticulture Services, Inc., Post Falls, ID – Committee Chairman
 Kevin Allen, Pro-Care Landscape Services, Meridian, ID – Committee Member
 Willy Birkholz, Landscape Solutions, Boise, ID – Committee Member
 Gary Paulson, Mountain Plants Inc., Victor, ID – Committee Member
 Brian Winn, Jayker Wholesale Nursery, Twin Falls, ID – Committee Member
 Robert (Bob) Reggear, Reggear Tree Farm, Orofino, ID – Committee Member
 Michael E. Cooper, Idaho State Department of Agriculture (ISDA) – ISDA Representative
 Dr. James E. Johnson, University of Idaho – University of Idaho Representative (absent)

1 & 2. Call to Order and Comments from the Chair; Introductions

3. USDA NASS Report and Annual Survey Agreement - Vince Matthews, Director

4. Budget Report – Mike Cooper

a. Mike Cooper will give a brief overview of the research budget situation. The cash balance of the research fund as of October 6, 2011, was \$113,922.32.

- A total of \$48,989 was approved on January 23, 2010; \$30,454.50 was disbursed to the grantees leaving a total of \$18,534.50 (\$6,467.50+\$8,167.00+\$3,900.00) to be disbursed upon approval of the final reports.
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Nursery Research Account Budget Summary

<u>Fiscal Year</u>	<u>Receipts</u>	<u>Expenses</u>	<u>Balance</u>
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
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FY2010	\$53,500.64	\$56,846.04	\$113,486.33
FY2011	\$37,096.99	\$11,151.79	\$139,431.53 as of January 19, 2011

b. ISDA Inspection Budget.

5. Old Business

Review of 2010 Final Reports

- 1) NAC/ISDA 2010-1, \$12,935.00, “Improvement and Propagation of Native Plants for Water-Conserving and Traditional Landscapes” - Stephen L. Love, Ph.D., University of Idaho. There is an outstanding balance of \$6,467.50 that will be disbursed upon approval of the final report.
- 2) NAC/ISDA 2010-2, \$4,950.00, “Evaluation of Native and Traditional Turfgrass Species for Low-Maintenance Lawns” - Thomas A. Salaiz, University of Idaho.



Presentation to the Idaho Nursery and Florist Advisory Committee
January 22, 2011

Comparison of the Idaho Nursery and Greenhouse Sales Survey and the Census of Horticultural Specialties (2009)

The Idaho Nursery and Greenhouse Sales Survey is conducted each year while the Census of Horticultural Specialties is conducted periodically. The last census (prior to 2009) was for the 1998 calendar year.

Listed below are the primary differences:

- 1) The census includes value of sales from operations that produced and sold \$10,000 or more horticultural specialty products during 2009. The nursery survey includes value of sales from operations that produced and sold \$1,000 or more of surveyed nursery products during 2009.
- 2) The census includes the value of sales of vegetable seeds while the nursery survey does not.
- 3) The census includes the value of sales of greenhouse produced food crops while the nursery survey does not.

Due to the differences mentioned above (along with other differences) not all of the tabulations from the census are directly comparable to the nursery survey report. For those that are, the nursery report should be higher since we include the smaller operations while the census is limited to those with total sales greater than \$10,000.

When you compare totals, the currently published nursery survey showed sales totaling \$47.8 million in 2009 while the census sales totaled \$75.9 million. If you adjust the census sales by removing vegetable seeds and greenhouse produced food crops, the census total is \$49.7 million. This adjusted census total is higher than the nursery survey by nearly 4 percent. The adjusted census figure is preliminary and upon further review it may be slightly different. When we publish the revised sales for the 2009 nursery survey, the total should be higher than the census adjusted sales. For example, Christmas tree sales from the census totaled \$642,000 while the nursery survey sales totaled \$624,000. It is expected that we would adjust the nursery sales figure to be at least slightly higher than the sales from the census. Another example is sod sales. Sod sales from the census totaled \$10.8 million while the nursery sales were \$10.9 million and so it is possible that no adjustment would be needed for sod.

The attached table shows the nursery survey report for 2009 with some preliminary comparisons to the 2009 census. As discussed above, you will note some differences which we will resolve when preparing the 2010 nursery summary. We would plan on publishing revised sales for the 2009 nursery survey at the same time we publish the results from the 2010 survey. Keep in mind that the attached table is still preliminary (and incomplete) at this point.

Preliminary comparison of the Annual Nursery Survey and the Horticultural Census

Field Grown	Nursery Survey		Census of Horticultural Specialties		Table	Page
	VOS \$(000)	2009	2009 Description	VOS \$(000)		
Bare Root		710				
Balled & Burlapped		14,727				
Container		6,010				
Sod		10,945	10,754 Sod, Sprigs, and Plugs Sold		29	502
Other		155				
Total Field Grown		32,547				
Greenhouse Grown						
Houseplants		2,137				
Cut Flowers		280				
Bedding Plants		11,047				
Seeding/Liners		1,176				
Other		19				
Total Greenhouse Grown		14,659				
Total (Excluding Xmas		47,206				
Cut Xmas Trees		624	642 Cut Christmas Trees Sold and to be Sold		15	403
			75,937 Value of Horticultural Specialty Crops		41	536
			Minus items excluded in Nursery Survey			
			Disclosed Cut Cultivated Greens		13	393
			849 Food Crops Gown Under Protection		14	397
			25,425 Vegetable Seeds Sold		32	509
			Disclosed Flower Seeds Sold		33	510
			0 Short Rotation Woody Crops		35	513
Total Gross (Including Xmas Tree)		47,830	49,663 Equal Comparable Total			



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December 27, 2010

To: Idaho State Nursery & Floral Advisory Committee Members
Final Report on seminars sponsored at the Idaho Horticulture Expo

From: Ann Bates, INLA Executive Director

This is final report for the Idaho Horticulture Expo which is held on January 19-21, 2011 at the Boise Centre on the Grove in Boise Idaho. The following is a list of the speakers that were sponsored by a 2010 grant given to the INLA from the Idaho State Nursery & Floral Advisory Committee. This list includes the speakers name, amount sponsored by ISNFAC along with the topic of their presentations. Because of the diversity of the industry, these speakers cover various segments of the licensees'.

Brad Davidson - \$1000
Valuing your Business

Charlie Nardoizzi - 4 Retail Topics - \$1000
Edible Landscaping
Square foot gardening
Chelsea Garden Show & Gardens of Northwest England

Judy Sharpton - Marketing Topics - \$1200
Consumer Based Marketing
Marketing Checklist for 2011

Jim Huston - Landscape/Irrigation Topic - \$500
Special Down Economy Estimating Workshop

Roach Guassoin - Turf - \$500
What's New From Buff to Blue: Grasses for a Green Environment
Turfgrass Weed Managment

Brain Fisher - Arborist Topic - \$500
Can We Get There From Here

Brian Gilles - Arborist Topic - \$300
Tree & Shrub Appraisal
Reading the Body Language of Trees and
Predicting the Probability of Tree Failure

INLA Research Committee

2011 Research Proposal Recommendations



2011-1—The committee suggested denying this proposal. We felt that the researcher should use other CNP's in his area to help with the project. There was concern that there won't be enough time devoted to learning the plant identification. 15 min per session equals only 2 hours of study time for the plant identification portion. All in all, the committee thought the researcher should leverage the CNP's in N. Idaho to help with this project.

2011-2—The committee likes the idea of the project. This deals with a part of our market that slowly continues to gain speed in our industry. We had concerns about the validity of this project as it applied to homeowners but after some clarification; understand that this is geared more towards the growers/producers. We're excited to see the results.

2011-3—The committee recommends this project be denied funding. The scope of the project is very focused and doesn't apply to the greater industry as a whole. His other projects that we have funded in the past have been broader in range but this just feels too small of a scope.

2011-4—The committee recommends continued funding for this project. We're excited to see the progress to date and look forward to working on the final step to help get the new material out to the growers who can take it from there and really push it into the general public.

2011-5—The committee recommends funding for this project. We feel there is good demand for the homeowners for this type of project. These wildflower meadows seem to start out with the best intentions but seem to meet the death of lawnmowers after only a few years. Maybe some education received from this project will help that. The height of the species used in other planting seems to be a source of contention. Would species shorter in stature work?

2011-6—The committee recommends continued funding for this project. We feel the outcome from these studies would be greatly beneficial to our industry as a whole. We hope the project has enough steam to make it through 2014.

2011-7—The committee was undecided/neutral on this research project. We're not convinced that we will receive any more pertinent information from this project than we did from the previous project. We understand that there was an excess of nitrogen in the soil in last year's project that may have led to faulty numbers. We're just not sure if we want to repeat the project again with four new products.

2011-8—The committee recommends funding for this project. He has come real close to figuring out a suitable alternative for peat in our potting mixes. This could be a big boost to growers in the southern part of the state if he can get all the kinks worked out of the manure mixes.

FINAL REPORTS FOR 2010
Kevin Allen, Pro Care Landscape Services
1/22/11

NAC/ISDA 2010-1: Improvement & Propagation of Native Plants for Water-Conserving & Traditional Landscapes

Comprehensive & well done. Some of the plants look like weeds. Has any research been done on how they might spread or seed in an ornamental landscape? I vote "Aye" to approve as it reads.

NAC/ISDA 2010-2: Evaluation of Native & Traditional Turfgrass Species for Low Maintenance Lawns

I learned a lot from this study & was glad to see such a wide sampling of grasses. I vote "Aye" to approve this final report.

NAC/ISDA 2010-3: Alternative Plants to Invasive Species Landscaping Publication

I didn't see the final product at the show. Was it available? I vote "Aye" to approve this final report.

NAC/ISDA 2010-6: Testing Effectiveness of New All Natural Fertilizers/Additives on Selected Herbaceous & Woody Plants

Disappointing that the final results were compromised by previous experiments on the site. I was really looking forward to seeing how these fertilizers performed.

NAC/ISDA 2010-7: Microbial Analysis of and Plant Growth in Composted Cattle Biosolids Sampled Over Time

The most recent stages of this research have been the most informative to me. I vote "Aye" to approve this final report.

NAC/ISDA 2010-8: Mutation Breeding of Penstemon for Use in the Green Industry

Thorough & informative. Hope to see these products on the market soon. I vote "Aye" to approve this final report.

2011 Research Proposals
Kevin Allen, Pro Care Landscape Services
1/22/11

NAC/ISDA 2011-1: A Certified Nursery Professional Training Program for Idaho

More training & education is always desirable but this particular request is too narrow & exclusive. It appears the actual development of this course is already covered by the in-kind donations. The request of this board is to finance the direct costs of manuals, handouts & tests. They come out to roughly \$95/person. I think that should be paid by the participants. It's a fair price for 24 hours of education, manuals, & testing fees. I vote "Nay" as it reads. I would approve a lesser amount to cover instructor travel.

NAC/ISDA 2011-2: Native Plant Tolerance to Several Pre- and Post Emergent Herbicides

I have some concerns with this project:

- Expensive, with 95% of the budget for personnel & travel.
- Small sampling of plants (4-5 species).
- How the results would be conveyed to the people who need to know: applicators or nursery managers. They rely on herbicide labels.
- The native plant market is still small.

I'd like to see how the demand for these plants develops in the next few years before moving forward with this research. It would also be helpful to expand the sampling of plants. I vote "Nay."

NAC/ISDA 2011-3: Irrigation & Nitrogen Fertilization Effects on White Clover Persistence in a Kentucky Bluegrass Turf

As a lawn care operator, white clover is one of the most persistent weeds we encounter. Even well-managed lawns are commonly infested. Once established, it requires spraying almost every time you visit. That could be 5-6x a year. Reducing the reliance on herbicides benefits everyone. If adjusting water & fertilization practices can help, then I'd like to know. I recommend the researchers take into account 'soil consistency' when conducting the study. I vote "Aye."

NAC/ISDA 2011-4: Improvement & Propagation of Native Plants for Water-Conserving & Traditional Landscapes

The project appears to be transitioning from field/lab research to market development. The cost increase is explained but is no less eye-raising. As the university understandably keeps all income generated from such research, it's equally understandable that they should consider other avenues to pay for market development. I'm curious if these species have demonstrated invasive qualities. Understanding that they're native, they might behave differently in different parts of the state or under the high maintenance regime of an ornamental landscape. As there is still a fair amount of research to be done, my vote is "Aye."

NAC/ISDA 2011-5: Studies to Improve Establishment of Wildflower Meadow Plantings in Urban & Suburban Sites

When you say "wildflower meadow," the average homeowner might envision Julie Andrews whirling through a beautiful meadow singing "The Sound of Music." But the hills are alive with the thorns of thistles. Well-established wildflower meadows are in demand & provide numerous benefits to owners. Voting "Aye."

NAC/ISDA 2011-6: Mutation Breeding of Penstemon for Use in the Green Industry

Mr. (Dr.?) Geary's research seems thorough & is advancing well. This research has very little effect on my part of the industry but I see how it could be beneficial to others. I vote "Aye."

NAC/ISDA 2011-7: Testing Effectiveness of Four Idaho All Natural Fertilizers/Additives on Selected Herbaceous & Woody Plants

The previous \$16,000 study was compromised by soil conditions & I see little in this proposal that suggests the outcome will be any different. My vote is "Nay." If present, my vote might be affected by answers to these questions:

- 1) What has been done to ensure the field & other factors do not compromise the data? Will the soil be analyzed before & after planting?
- 2) What differs in the composition of these 4 fertilizers compared to the previous 4?

NAC/ISDA 2011-8: Using Sulfur to Adjust the pH of a Manure-Amended Potting Mix

Although my applications are very different, I often have to deal with high pH soils & figuring out ways to adjust them. Surely it could be extremely useful for growers who use cattle biosolids. I'd be very interested to see how this turns out. I vote "Aye."

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

Spreadsheet Revised 02/16/2011

2011 Project #	\$ Amount Applied For	\$ Amount Approved	\$ Amount Denied	\$ Amount Unused	Research/Education Project	Principal Investigator & Institution
NAC/ISDA 2011-1 (see explanation of final \$\$ under Research/Education Project)	2,500.00	700.00	1,800.00		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.)	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.)	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	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	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		16,334.00		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.)	Robert R. Tripepi, Ph.D., University of Idaho

NAC/ISDA 2011-8 (see explanation of final \$\$ under Research/Education Project)	17,900.00	12,000.00	5,900.00		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.)	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) (paid 1/12/2011)	Ann Bates, Idaho Nursery & Landscape Association
Nursery Survey for 2010	1,800.00	1,800.00			Idaho Nursery Survey	Vince Matthews, USDA-NASS
Total	\$108,386.00	\$63,790.00	44,596.00			
2010 Project #	\$ Amount Applied For	\$ Amount Approved	\$ Amount Denied	\$ Amount Unused	Research/Education Project	Principal Investigator & Institution
NAC/ISDA 2010-1	12,935.00	12,935.00			Improvement and Propagation of Native Plants for Water-Conserving and Traditional Landscapes	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	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		Alternative Plants to Invasive Species Landscaping Publication (\$15,000 was denied on 1/23/10 and a proposed \$2,000 was approved.) (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. Wulffhorst, 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	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	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	Brad Geary, Ph.D., Brigham Young University

Nursery Survey for 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
Total	105,488.09	60,789.00	44,699.09				
2009 Project #	\$ Amount Applied For	\$ Amount Approved	\$ Amount Denied	\$ Amount Unused	Research/Education Project	Principal Investigator & Institution	
NAC/ISDA 2009-1	10,920.00	10,920.00		139.09	Evaluation of Native and Adapted Plants for Landscape Use (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	Thomas A. Salaiz, University of Idaho	
NAC/ISDA 2009-3	23,434.00	23,434.00		4,821.99	Determining Salt Leachate Rate and Suitability of Potting Mixes Amended with Anaerobic Digested Cattle Biosolids (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	
Educational Outreach	5,000.00	5,000.00			Idaho Nursery & Landscape Association Idaho Horticulture Expo (January 21-23, 2009) (paid 1/5/2009)	Ann Bates, INLA	
Nursery Survey 2008	1,800.00	1,800.00			Nursery Industry Survey (paid 02/25/2009)	Bill Meyer, USDA-NASS	
Total	46,204.00	46,204.00		4,961.08			
2008 Project #	\$ Amount Applied For	\$ Amount Approved	\$ Amount Denied	\$ Amount Unused	Research/Education Project	Principal Investigator & Institution	
NAC/ISDA 2008-1	5,000.00	5,000.00			Managing New and Emerging Virus Threats to the Green Industry	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	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	Thomas A. Salaiz, University of Idaho
NAC/ISDA 2008-4	16,561.00	16,561.00	7,061.55			Nursery Technical Resource Center (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	Robert R. Tripepi, Ph.D., University of Idaho
NAC/ISDA 2008-6	13,970.00	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 for 2007	1,000.00	1,000.00				Nursery Industry Survey (paid 05/13/08)	Bill Meyer, USDA-NASS
Total	83,479.00	69,509.00	7,061.55	13,970.00			
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		Improving Rooting of Pinyon Pine Seedlings by Using Naphthaleneacetic Acid Treatments (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 (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	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 (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 for 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
Total	60,997.00	44,417.00	16,580.00	2,381.02		
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			Evaluation of Native and Adapted Plants for Landscape Use	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 (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 (continuation), Report is "Not for Public Release." (This program was finished and closed in 2006. Unexpended funds over life of grant were reimbursed on 7/2/07 in the amount of \$7,319.58.)	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 Project)	10,000.00	5,000.00	5,000.00	Development of Improved Landscape Plants (\$10,000 was originally denied and a proposed \$5,000 was approved.)	Harold Pellet, Ph.D., Landscape Plant Development Center, Minnesota
NAC/ISDA 2006-6	8,040.00	8,040.00		Using Shade to Improve Transplant Survival of Pinyon Pine and Sub-alpine Fir Seedlings	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	Robert R. Tripepi, Ph.D., University of Idaho
NAC/ISDA 2006-8	19,050.00	19,050.00		Effects of Wedge-Injected Plant Growth Regulator Flurprimidol on Herbivory and Stress Resistance in Patmore Green Ash (<i>Fraxinus pennsylvanica</i> 'Patmore')	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	1,000.00	Impact of Mycorrhizal Root Dip on the Transplant Success of Ornamental Trees (\$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 for 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
Total	98,565.00	62,865.00	35,700.00	9,611.54				
2005 Project #	\$ Amount Applied For	\$ Amount Approved	\$ Amount Denied	\$ Amount Unused			Research/Education Project	Principal Investigator & Institution
NAC/ISDA 2005-1 (see explanation of final \$\$ under Research/Education Project)	10,000.00	5,000.00	5,000.00				Development of Improved Landscape Plants (\$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	Sandra E. Cann, Ph.D.; J.D. Wulfhorst, Ph.D., University of Idaho
NAC/ISDA 2005-3	4,600.00	4,600.00					Evaluation of Cork Bark and Subalpine Fir for Their Potential as Ornamental Nursery Stock and Christmas Trees (continuation)	Danny L. Barney, Ph.D., University of Idaho
NAC/ISDA 2005-4	10,836.00	10,836.00					Using Auxin Treatments to Improve Pinyon Pine Transplant Survival	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 for 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)	
Total	68,165.55	49,199.55	18,966.00					
2004 Project #	\$ Amount Applied For	\$ Amount Approved	\$ Amount Denied	\$ Amount Unused			Research/Education Project	Principal Investigator & Institution
NAC/ISDA 2004-1	4,258.00	4,258.00					Holding Bareroot Colorado Spruce Trees in a Gravel Bed	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	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)	Danny L. Barney, Ph.D., University of Idaho
NAC/ISDA 2004-4	5,000.00	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	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	John E. Lloyd, Ph.D. & Steve Nittolo, University of Idaho
Nursery Survey for 2003	1,000.00	1,000.00				Nursery Industry Survey (paid 05/2004)	Don Gerhardt, Idaho Agricultural Statistics Service, USDA
Total	42,356.00	37,356.00	5,000.00				
2003 Project #	\$ Amount Applied For	\$ Amount Approved	\$ Amount Denied	\$ Amount Unused		Research/Education Project	Principal Investigator & Institution
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)	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	J.D. Wulfforst, 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	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)	John E. Lloyd, Ph.D.; Robert Wilson, Ph.D.; Edward Bechinski, Ph.D., University of Idaho
Nursery Survey for 2002	1,000.00	1,000.00					Nursery Industry Survey (paid 05/2003)	Don Gerhardt, Idaho Agricultural Statistics Service, USDA
Total	71,982.25	43,159.25	28,823.00					
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				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)	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	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)	Robert R. Tripepi, Ph.D., University of Idaho
Nursery Survey for 2001	1,000.00	1,000.00					Nursery Industry Survey (paid 08/27/02)	Don Gerhardt, Idaho Agricultural Statistics Service, USDA
Total	40,625.00	30,625.00	10,000.00					
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					Evaluating a Gravel Bed Growing System to Produce Conifer Seedlings for Fall Transplanting	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 <i>Rhizoctonia</i> 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)	Danny L. Barney, Ph.D., University of Idaho
Nursery Survey for 2000	1,000.00	1,000.00				Nursery and Greenhouse Survey (paid 04/24/01)	Don Gerhardt, Idaho Agricultural Statistics Service, USDA
Total	24,929.00	9,377.00	15,552.00				
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				Evaluation of Corkbark and Subalpine Fir for Their Potential as Ornamental Nursery Stock and Christmas Trees	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	Robert R. Tripepi, Ph.D., University of Idaho
NAC/ISDA 2000-3	1,000.00	1,000.00				Idaho Nursery and Greenhouse Survey - 1999	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)	J.D. Wulffhorst, Ph.D.; James R. Nelson, Ph.D.; R.G. Taylor, Ph.D., University of Idaho
Total	27,728.00	27,728.00					

Ruth E. Herman

From: Kevin Allen [kevin@procareidaho.com]
Sent: Wednesday, February 09, 2011 5:36 PM
To: Ruth E. Herman; abates@inlagrow.org; brianw@jayker.com; mtplants@silverstar.com; howard@hortservicesinc.com; djohnson@uidaho.edu; rtf@cpcinternet.com; jmwbirchholz@yahoo.com
Cc: Mike Cooper
Subject: RE: Draft of the NAC Minutes for Jan 22, 2011

Looks good (coming from someone who didn't bother to show up!). I approve.

Thank you,

Kevin Allen
Pro Care Landscape Services
(208) 288-5589
www.procareidaho.com

From: Ruth E. Herman [mailto:Ruth.Herman@agri.idaho.gov]
Sent: Wednesday, February 09, 2011 2:57 PM
To: abates@inlagrow.org; brianw@jayker.com; mtplants@silverstar.com; howard@hortservicesinc.com; djohnson@uidaho.edu; Kevin Allen; rtf@cpcinternet.com; jmwbirchholz@yahoo.com
Cc: Mike Cooper
Subject: Draft of the NAC Minutes for Jan 22, 2011

Please review the attached draft of the January 22, 2011 Nursery Advisory Committee meeting minutes. If you have any suggested changes or approve the minutes as written, please let us know by replying to this email.

Thank you.

Ruth Herman
Idaho State Department of Agriculture
(208) 332-8620

djohnson@uidaho.edu; Kevin Allen; rtf@cpcinternet.com; jmwbirchholz@yahoo.com

Cc: Mike Cooper

Subject: Draft of the NAC Minutes for Jan 22, 2011

Please review the attached draft of the January 22, 2011 Nursery Advisory Committee meeting minutes. If you have any suggested changes or approve the minutes as written, please let us know by replying to this email.

Thank you.

Ruth Herman
Idaho State Department of Agriculture
(208) 332-8620

Ruth E. Herman

From: Brian Winn [brianw@jayker.com]
Sent: Thursday, February 10, 2011 8:17 AM
To: 'Kevin Allen'; Ruth E. Herman; abates@inlagrow.org; mtplants@silverstar.com; howard@hortservicesinc.com; djohnson@uidaho.edu; rtf@cpcinternet.com; jmwirkholz@yahoo.com
Cc: Mike Cooper
Subject: RE: Draft of the NAC Minutes for Jan 22, 2011

I approve as well. Nice job Ruth!

Brian Winn



Jayker Nurseries
208.420.6577 cell
208.887.1790 office
brianw@jayker.com
[Jayker Website](#)
[Follow us on Facebook!!](#)

From: Kevin Allen [mailto:kevin@procareidaho.com]
Sent: Wednesday, February 09, 2011 5:36 PM
To: Ruth E. Herman; abates@inlagrow.org; brianw@jayker.com; mtplants@silverstar.com; howard@hortservicesinc.com; djohnson@uidaho.edu; rtf@cpcinternet.com; jmwirkholz@yahoo.com
Cc: Mike Cooper
Subject: RE: Draft of the NAC Minutes for Jan 22, 2011

Looks good (coming from someone who didn't bother to show up!). I approve.

Thank you,

Kevin Allen
Pro Care Landscape Services
(208) 288-5589
www.procareidaho.com

From: Ruth E. Herman [mailto:Ruth.Herman@agri.idaho.gov]
Sent: Wednesday, February 09, 2011 2:57 PM
To: abates@inlagrow.org; brianw@jayker.com; mtplants@silverstar.com; howard@hortservicesinc.com;

2/11/2011

Ruth E. Herman

From: jackie birkholz [jmw**birkholz@yahoo.com**]
Sent: Thursday, February 10, 2011 10:30 AM
To: abates@inlagrow.org; brianw@jayker.com; mtplants@silverstar.com; howard@hortservicesinc.com; djohnson@uidaho.edu; kevin@idaholawncare.com; rtf@cpcinternet.com; Ruth E. Herman
Cc: Mike Cooper
Subject: Re: Draft of the NAC Minutes for Jan 22, 2011

I approve,
Willy

--- On Wed, 2/9/11, **Ruth E. Herman** <Ruth.Herman@agri.idaho.gov> wrote:

From: Ruth E. Herman <Ruth.Herman@agri.idaho.gov>
Subject: Draft of the NAC Minutes for Jan 22, 2011
To: abates@inlagrow.org, brianw@jayker.com, mtplants@silverstar.com, howard@hortservicesinc.com, djohnson@uidaho.edu, kevin@idaholawncare.com, rtf@cpcinternet.com, jmw**birkholz@yahoo.com**
Cc: "Mike Cooper" <Mike.Cooper@agri.idaho.gov>
Date: Wednesday, February 9, 2011, 2:56 PM

Please review the attached draft of the January 22, 2011 Nursery Advisory Committee meeting minutes. If you have any suggested changes or approve the minutes as written, please let us know by replying to this email.

Thank you.

Ruth Herman

Idaho State Department of Agriculture

(208) 332-8620

Ruth E. Herman

From: Robert Reggear [rtf@cpcinternet.com]
Sent: Thursday, February 10, 2011 11:52 AM
To: Ruth E. Herman; abates@inlagrow.org; brianw@jayker.com; mtplants@silverstar.com; howard@hortservicesinc.com; djohnson@uidaho.edu; kevin@idaholawncare.com; jmw@birkholz@yahoo.com
Cc: Mike Cooper
Subject: Re: Draft of the NAC Minutes for Jan 22, 2011

I approve

Bob

----- Original Message -----

From: Ruth E. Herman
To: abates@inlagrow.org ; brianw@jayker.com ; mtplants@silverstar.com ; howard@hortservicesinc.com ; [djohson@uidaho.edu](mailto:djohnson@uidaho.edu) ; kevin@idaholawncare.com ; rtf@cpcinternet.com ; jmw@birkholz@yahoo.com
Cc: Mike Cooper
Sent: Wednesday, February 09, 2011 1:56 PM
Subject: Draft of the NAC Minutes for Jan 22, 2011

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Thank you.

Ruth Herman
Idaho State Department of Agriculture
(208) 332-8620

Ruth E. Herman

From: Gary Paulson [mtplants@silverstar.com]
Sent: Thursday, February 10, 2011 6:48 PM
To: Ruth E. Herman; abates@inlagrow.org; brianw@jayker.com; mtplants@silverstar.com; howard@hortservicesinc.com; djohnson@uidaho.edu; kevin@idaholawncare.com; rtf@cpcinternet.com; jmwbirchholz@yahoo.com
Cc: Mike Cooper
Subject: Re: Draft of the NAC Minutes for Jan 22, 2011

Thank you Ruth. I approve the minutes as well.

Gary

>

Ruth E. Herman

From: Howard Hughes [howard@hortservicesinc.com]
Sent: Wednesday, February 16, 2011 7:34 PM
To: Ruth E. Herman
Subject: RE: Draft of the NAC Minutes for Jan 22, 2011

Ruth,

I approve the minutes as written.

Thank you,

Howard Hughes
Horticultural Services, Inc
1-877-434-0982

From: Ruth E. Herman [mailto:Ruth.Herman@agri.idaho.gov]
Sent: Wednesday, February 09, 2011 1:57 PM
To: abates@inlagrow.org; brianw@jayker.com; mtplants@silverstar.com; howard@hortservicesinc.com; djohnson@uidaho.edu; kevin@idaholawncare.com; rtf@cpcinternet.com; jmwrbirkholz@yahoo.com
Cc: Mike Cooper
Subject: Draft of the NAC Minutes for Jan 22, 2011

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Thank you.

Ruth Herman
Idaho State Department of Agriculture
(208) 332-8620

