

WASHINGTON STATE COMMISSION ON PESTICIDE REGISTRATION

MINUTES (APPROVED)

October 22-23, 2003
Washington State Fruit Commission Board Room
Yakima, Washington

ATTENDEES

Commission Members: Chuck Masters, Art Losey, Herb Teas, Andy Jensen, Dan Robinson, Kurt Volker, Doug Walsh, Ted Maxwell, Ann George, Ben Barstow, Brian Sakuma, Kathleen Emmett, Ann Byar, Bill Mason, Kevin Corliss

Absent: Jay Schafer, Bob Berger

Staff: Alan Schreiber Schreiber, Cindy Hayes

Guests: Sandra Ristow, WSU

Herb Teas, Chair, asks for any public comments or input. There were none.

PREVIOUS MINUTES: These will be addressed on Thursday, before which copies will be made.

FINANCIALREPORT: Alan Schreiber explained the QuickBooks reports, first noting the allocated amount from the legislature is \$879,598.00. He explained line items for income and expenses. He noted the research projects amount at \$670,513.92. Schreiber explained that the WSDA Special Grant Projects were previously referred to as Jesernig Dollars. WSU Budget Sheets Page 2: In reference to the 1.2 million dollars in bold print, that is money that has been committed by WSCPR in total, but has not yet been spent. There is no change in the forward allocation policy. The remaining amount is \$670,513 with 20 percent being \$134,102, for a total of \$804,615 available for research projects. If every project were funded today, spending would be over budget by 50 percent. That does not include January proposals. \$150,000 was budgeted for minor crops. The remaining five thousand will be billed out prior to Dec 31, 2003, so WSCPR will have spent the total of \$150,000.

ADMINISTRATION REPORT:

Ethic Guidelines- The top 40 agricultural commodities list was sent to Commissioners. WSCPR is supposed to support commodity groups whose crops are not in the top 20. WSCPR complies with this guideline.

The WSCPR Pest Control tour will be held on the East side in the 2004 fiscal year. The tour format will be similar to two years ago.

We will hold election of officers at the January meeting.

Amie Fowler, Assistant Administrator, has left employment with WSCPR. It is expected she will be replaced by the next meeting.

LEGISLATIVE ISSUES: Discussion was held regarding WSCPR trying to restore funding to the full \$1 million previously allocated. Alan Schreiber offered to approach the Legislature to have full funding restored. The current opinion is to work this legislative cycle toward the next year. A suggestion was made that it would be better to do it in the off-season. If we plan to work the next session, we need to make a decision at this meeting. Schreiber asked if there is an interest in trying to have funding reinstated. Andy Jensen agreed it would be great to have funding restored, but asked if it is worth bringing attention to us only to cause harm. Alan Schreiber suggested that if Safe Food 2 goes forward, we could team up with them. Chuck Masters asked if we are still mandated to the 50/50 mandate. Alan Schreiber explained that we have the flexibility to spend our funding how we see fit. The commission made that decision based on the recommendations of the people who we support. Schreiber spoke to Larry Ganders. He explained that if we seek reinstated funding in the off-season it has to be for something new, not to restore to original funding level. Larry Ganders stated to Alan Schreiber: “Alan Schreiber, although I would like to see the funding returned, I will take the direction of the board. Looking at the proposal shift, the new mandate area of research is becoming more prevalent. We should build on the new mandate side as success stories. We do not have a GLP project at this time, for the first time at a session like this.”

PROPOSAL PRESENTATIONS

04PN004 – Apple

Alan Knight, USDA

Working with Dain Craver.

Management of Codling Moth with a Novel Female Attract and Kill Device. For conventional and organic, it should improve in mating and non-mating orchards. Pear ester, combined with contact pesticide, is attractive as a control option for both sexes of codling moth. Funding will be needed to field test by the spring. Art Losey asked how many traps would be laid. The response was twenty-four per acre. This will be 2 to 4 times more effective on other pests, as well. Herb Teas asked for the percentage of release/recapture at a 1 to 1 capture with this and the pheromone trap. Kurt Volker asked how final the design is. Alan Schreiber stated it still needs to be recreated. Kathleen Emmett asked for any effects on birds, etc. Alan Schreiber said this is a touch with transfer; nothing sticks, so there is no problem with birds. Bill Mason noted that pheromone was working great several years back. The population is the problem with lack of control at this point.

04AN01 – Hops

David James, Washington State University

Herbivore-Induced Plant Volatiles as an Aid to Conservation Biological Control in Hops. Methyl Salicylate dispensers will be placed in paired hop yards. There are other biological effects to look at also. Alan Schreiber wondered how this ranks on priority in hops. Ann George showed high interest. Ben Barstow asked if cooperators are lined up and thought it would be good to know how long it takes to apply these dispensers. It was proposed to screen different materials as attractants, but we may have hit upon the correct one. We will be looking at blends of attractants.

04AN002 – Grapes

David James, Washington State University

Herbivore-Induced Plant Volatiles as an Aid to Conservation Biological Control in Grapes. Limited trial, replicated 3 times this year. Good data has been obtained this year. There is a significant difference in methyl salicylate treated areas and un-treated areas. Ben Barstow asked if there is a source for all these materials. David James answered that it is not a problem. We need to look at the amount released. Kurt Volker asked if the sachets are bought from Costa Rica. They are the best source at this point, David James explained.

04PN003 - Red Currants

David James, Washington State University

Development of the Sex Pheromone of Currant Stem Girdler as a Management Tool. There are only 2 current growers of commercial size in Washington State, both located in Prosser. Pest infestation occurs once a year for about 3 weeks, and is difficult to study because of the season time. This is the third year of study. The cooperators have put in a lot of time that is not included in costs. The first pest is now being controlled by a pheromone, and we are hoping the second pest will be under control in the same manner avoiding use of a pesticide. Herb Teas noted that \$2,000 is missing in the proposal. It should be \$13,207, increasing the total of the overall project. This does not affect the amount asked of the Commission.

04AN007 – Hybrid Poplar

Doug Walsh, WSU-IAREC

Working with John Finley and Alan Kottwitz.

Development of an IPM Program for Poplar Plantings. The old mandate successfully completed several registrations. Poplar has changed from pulp to timber, increasing average growth by 5 years. Neal Kittelson, John Finley of Potlatch, Alan Kottwitz of Boise Cascade and Gene Hannon are all involved. John Finley stated that this is an important study. There is a 30 to 40 percent mortality rate currently. We have lost just about every product that will protect the trees. Alan Kottwitz confirmed a previous discussion as needed in the industry. The reentry, benefits and human safety were all very necessary. It is the first ever section 18 that they worked through in record time.

04AN006 – Specialty Crops

Ekaterini Riga and David Muehleisen, WSU

Management of Carrot Rust Fly and the Cabbage maggot with Entomopathogenic Nematodes. Diazanon is most effective at this time, but it is not effective in all fields.

04AN005 – Polistes Paper Wasps

Richard Zack, Department of Entomology, WSU

Discovery and Development of Chemical Attractants for Polistes Paper Wasps. Pete Landoff and John McKinsey, WSU presenter. There has been a problem in the urban and fruited areas, and is still present in the Snoqualmie area

04AN008 - Cranberries

Lisa Neven, USDA/ARS

Working with Tom Peerbolt.

Non-Chemical Insect Contaminate Separation in Cranberries. There is zero tolerance in IQF foods. Lisa Neven explained that it is not necessarily a post harvest problem, but they want the pest to move off the berry prior to harvest. There is support by the Red Raspberry Commission, as well. They will be asking for \$2,000.

04AN025 – Bamboo

Lynell Tanigoshi & Beverly Gerdeman, WSU

Working with Ian Conner.

Management of Bamboo Spider Mites, Schizotetranychus. It was pointed out that normally a proposal needs support of a Washington group. A demonstration of a need for a Washington state nursery landscape association is asked. The demonstration is for ornamental and timer bamboo. This is a high cash value crop. There are two spider mite species that are hard to control. We are looking for control on a commercial level, such as for a bamboo forest. Copies of signatures are still needed in each file.

04AN024- Container-Grown Nursery

Lynell Tanigoshi, WSU

Working with George Bear, Oregon Association of Nurserymen.

Preventative Management of Root Weevils in Container-Grown Nurseries. They requested an extension into a second year. He provided an update to the office regarding last year's outcomes.

04AN009 – Potatoes

William Snyder, Department of Entomology, WSU

Working with Andrew Jensen, Director of Research WA State Potato Commission.

Conserving Predators in Washington Potato Fields. Biocontrol of Colorado potato beetle, green peach aphid and spider mites. Examination will be made of field corners as refuges for predators, will test whether green manures conserve predator populations, and will census potato fields for spider mites and their predators.

04AN015 – Blueberries

Tom Peerbolt, Peerbolt Crop Management

Survey of Blueberry Pests and Diseases. This is a full-season survey of diseases and pests in Clark and Cowlitz Counties. Studied will be Dormant/Pre-bloom insects and diseases, Bloom/Pre-harvest insects and diseases, Harvest insects and diseases, and Post-harvest insects and diseases.

POLICY & PROCEDURES:

Motion that 10 percent or \$500, whichever is greater, is in the Administrator’s discretion to increase or decrease on accepted proposals. Motion carried with a seven to one vote.

The purpose of the Policy and Procedures document is to quantify the last several years’ minutes.

Art Losey made a motion to adopt Policies and Procedures as written and amended. Seconded by Andy Jensen. Motion carried.

Not included in the Administrator’s report was information that in Idaho they have made an agreement to develop a minor crop’s commission very similar to ours. They did not get it funded, but they did get what we consider the Jesernig Dollars. Alan Schreiber would like to propose WSCPR have a meeting with them in May, tentatively. Art Losey suggested not worrying about a quorum, but gathering a few of them and a few of us together. Herb Teas, Chair, suggested we open a slot in the May meeting for some representatives.

PROPOSAL PRESENTATIONS- NEW

04AN011 – Urban Areas Carpenter Ants

Laurel Hansen, Biology Department, Spokane Falls Community College

Working with Art Losey

Carpenter Ant Colony Development: Age Polyethism & Reproduction by Workers. We will study basic biology within the colony to see if sub-sections of nurse ants vs. foragers take over the others’ jobs, or respond differently to pesticides. Two things to look at are division of labor and reproduction.

04AN012 – Urban Areas Ants

Laurel Hansen, Biology Department, Spokane Falls Community College

Working with Art Losey

Identification of Pest Ant Species in the Pacific Northwest. Study will be made of a new species of ants brought into the area. They will systematically identify and look at ant sampling to determine the species, pest etc. Ben Barstow asked what the short-term benefits of this proposal might be. Laurel Hansen explained that most people don’t know which ants are pests and not

pests. They think that small ants grow into big ants, and that's the basic concept. This will help define that. Carpenter ants are throughout the entire US.

04AN013 - Wheat

Keith Pike, Washington State University

Working with Tom Mick

Biology, Damage, and Management of Aphid and Virus Pests in Wheat: An Inter-Disciplinary Approach. This is a cyclical problem in wheat in Washington. We have received funds from the Washington Wheat Commission. Aphids seem to be the root problem that spreads other biological problems. Currently, we have the study started with the funds from the Wheat Commission. Ben Barstow noted that it is critical that we have this study completed if we are to go forward with the perennial wheat concept for highly eroding areas. Ben Barstow said if we knew where the reservoir virus was coming from it would help us to prepare for a bad year with this. What the virus inoculum is in the barley yellow dwarf virus. It can tell you if there is no inoculum there would be no problem.

04PN022 - Potatoes

Lee Hadwiger, Washington State University

Registration of a CT-100 (copper sulfate pentahydrate) and Chitosan combination as a Foliar for Potato Late Blight Control. Dr. Hadwiger provided an explanation of the research protocol, and spent a considerable amount of time on the regulatory status of copper sulfate and chitosan. CS is approved for organic use, while chitosan is not registered for organic use. Dr. Hadwiger has had a ten-acre experimental use permit for the past two years. Due to no late blight there was no useful data collected last year.

04AN014 – Pacific Oysters

Christian Grue, School of Aquatic & Fishery Sciences, UW

Steve Booth IPM Coordinator for Willapa/Grays Harbor Oyster Association

Working with Richard Wilson, Oyster Association

Exposure of Salmonids to Carbaryl Following Applications to Control Burrowing Shrimp – Supplemental for Chemical Analyses. Experimental design changed to two beds and spray patterns. The costs were covered by several organizations. Additional funds are for the cholinesterase studies on juvenile salmon and stomach contents. There has been a real effort made to get funds from other sources. Herb Teas noted that there is already a date set for carbaryl, and wondered what the point is. Steve Booth said this is addressed, there is a reduced amount applied for the next three years and a total abatement within 10, but they are still totally dependent on this product. They are looking diligently to find alternate treatments. The EPA is looking for a sediment study on the bay. The Dept of Ecology could still request several studies. Kathleen Emmett stated this would go a long way in supplying the Dept of Ecology as well as several other agencies with the information they need to determine the impact of carbaryl on vertebrate and non-vertebrate in the bay.

04AN027 - Apples

Doug Walsh, WSU Prosser, Mike Bush, Yakima County Agent

Working with James McFerson, WS Tree Fruit Research Commission

Lygus Bug Cultural and Biological Control in Washington State Apples. This is a local pest in the apple industry. Several orchards in the Columbia Basin have problems in the spring. Although it is not as large a problem in the Yakima and Okanogan Valley, it is there. Through the riparian proposal that was funded by the Commission, they now know several host plants for the lygus bug. Alan Schreiber pointed out that this work had been previously funded, but Doug Walsh stated that this was for alfalfa seed, not fruit. A question was asked regarding the likelihood that this will put money back in the pocket of the growers. Walsh said if we can reduce the population by 30 to 40 percent, it will have a positive affect on the growers.

04PN026 - Grapes

Doug Walsh, WSU Prosser, Peter Landolt, Research Entomologist, Rich Zack, WSU Prosser

Working with Mike Means, WA Association of Wine Grape Growers

Innovative Management of Cutworms in Washington Grape Vineyards. Using a red eye sprayer (e.g. Patchen sprayer), we would apply cutworm barrier spray at the same time as the wintertime herbicide application that would only spray the grape trunk. The project will have a cost of \$4-\$5 per acre. The second part of the study is the badminton birdie Attract and Kill trap. Early results seem promising. Spotted cutworm is the target pest.

04AN019 – Spinach Seed

Lindsey du Toit & Tim Miller, WSU

Working with Kirby Johnson, Grower

Efficacy of Mustard Biofumigants for Management of Weeds and Fusarium Wilt in Spinach Seed Crops in Western Washington. Spinach seed is highly susceptible to inoculants if the cover crop does not have a high enough concentrate of glucosinolates to kill the fusarium. Report handed in.

04PN020 – Spinach Seed

Lindsey du Toit, WSU

Biology and Management of Leaf Spot of Spinach Seed Crops in Western Washington. This project questions whether we are exporting this disease with the seed out of this country. This is the third and final year of request. A 24C for spinach seed production is expected by April 2005. Progress report handed in.

04PN021 – Onion Seed

Lindsey du Toit, WSU

Fungicidal Control of Scape/Umbel Blight in Onion Seed Crops in Washington. Neck rot in storage is a serious problem. The project will try to find fungicides for seed for transfer. Next year the trial will be in a grower's field at a Pasco location, with the field managed, so she can spray as she needs.

04PN023 – Carrot Seed

Lindsey du Toit, WSU

Efficacy of Bactericides for Management of Bacterial Blight in Carrot Seed Crops. This is prevalent in seed crops in Washington and Oregon. The California seed board has supported this work for the last two years because they purchase most of their seed from Washington. A 24C is pending based on the outcome of evaluating products for bacterial blight. This will be replicated in western Washington so they can control applications.

04PN029 – Helleborus Nurseries

Doug Walsh, Lindsey du Toit, Keith Pike and Ken Eastwell, WSU Depts. Entomology and Plant Pathology

Management of ‘Black Death’ Disease of Helleborus. Support of this project is important, just not in close proximity to commercial plots. Travel is substantial because they have to travel from Prosser to the West side. ‘Black Death’ is a virus, which is unresponsive to fungicides. Helleborus is Christmas Rose, a very expensive perennial ornamental plant. A nursery in West Virginia is working with Keith Pike on this.

04PN016 – Spinach Seed

Tim Miller, WSU Mount Vernon

Use of Herbicides and Flame for Weed Control in Spinach Seed. This is an expansion on Lindsey du Toit’s information to include lambsquarter in spinach. At the IR4 meeting 4 herbicides were shown to have been tested, and look good for use on spinach. Controlling weeds in an organic way could be used in either type of field for commercial production whether organic or not. This would work for post and pre emergent, as well as early and late. Alan Schreiber noted that BASF would not allow Quinchlorac to be registered for any use site where there was any potential for leaching.

04PN017 - Blueberries

Tim Miller, WSU Mount Vernon

Perennial Weed Control in Blueberry. This project will be evaluating weed control, primarily Canadian thistle. Saw dust does a good job on annuals, and will be tested. Vinegar and acidic acid on varying levels will be some of the trial uses.

04PN018 – Apiaceae Seed

Tim Miller, WSU Mount Vernon

Testing of Post Emergence Herbicides for use in Apiaceae Seed Crops. To include: Coriander seed, cilantro seed. Testing to show the activity of these products performing in hot/dry climate as well as moist/cool.

04AN010 - Potatoes

Dennis Johnson, Washington State University

Working with Andrew Jensen, WASPC- Presenter.

Integrated Disease Management of Potato White Mold. This is the third year to request funding. This is a high priority for growers. Variety and bloom time are two things that have an impact on whether the field might get white mold.

04PN028 - Mint

Doug Walsh, WSU

A comprehensive survey of Lepidoptera in Washington State Mint Fields. Feeding attractant is a monitoring tool for moth populations in mint fields. The main predator in mint is the two spotted spider mite. The funding is for research to check fields for more than just mites. We would monitor fields throughout the Columbia Basin, and continue to monitor cutworm. Moths and caterpillars collected throughout the project will be identified and photographed for the Caterpillar ID Handbook. The WSU IPM web page on pest and non-pest holds several pages pertaining to this. Kurt Volker asked if the salaries actually go to the individuals working on the specific projects. Doug Walsh answered that they generally do, sometimes he might have to hire another person if the original person is too busy.

04PN030 – Japanese Knotweed

Phil Burgess, Director and Paul Figueroa, AGR

Working with Ron Hendrickson of Clark County Weed Management.

Japanese Knotweed Control Study. It is invading riparian areas and streams. Ron Hendrickson explained some of the things they have done to date to try to control this invasive weed. Mechanical means spread the problem. Cut stem applications, spot foliar applications and injection of aquamaster glyphosate, which is the active ingredient in aquatic situation, are trials now being done on roadside applications. Injector process is looking very promising. How long it will last is one of the questions they are still asking. 5cc injected controls the cane and has little impact on applicator. It is very invasive. It roots from a node, a piece as small as your little finger. It was originally considered ornamental, and brought in from the orient. Back east, people are doing research with glyphosate. Art Losey asked if it is sensitive to salt water, and was told that it is. Chuck Masters says they are starting work on treatments beginning on page 6, and Ron Hendrickson will be supervising the trials. There will be 2 seasonal employees for six months. In kind there is equipment, service trucks, water tank, and tools for the cut trunk treatment. Kurt Volker wondered how the \$6,000 is for analysis and \$12,000 for collating and reading the data. Chuck Masters asked if they tried to get any funding from other adjacent counties. Phil Burgess responded that they had not, as of yet. They are working with several other entities per brochure.

CHECK FOR ENABLING LEGISLATION FOR WSCPR: Alan Schreiber discussed legislative activity for reinstated funding and whether it is for original intent or new proposals. Herb Teas suggested going back and expressing how the new mandate has opened up a new field of request. Alan Schreiber commented that we have three possibilities. Doug Walsh noted that over the past several years the IR4 mandate money has gone up substantially. Art Losey asked how much is going to be requested. Herb Teas pointed out that the WSU agreement needs to be reworked so that the money that comes through will actually be seen by the Commission. Ben

Barstow said it is a good time to go forward with all the benefits this Commission has given to the industries. We can show our quality utilization of funds. Art Losey stated that there is a good base of memory within the Legislature of the amount of money that was intended for this purpose. We should be able to have it restored easily. Alan Schreiber interjected that the political timing may not be best to run a bill this year. Art Losey suggested we just ask the Legislature to raise the supplemental budget. WSU should be willing to support a straightforward channel of money to the Commission based on the research that is currently important to their survival. We should be asking for a larger number than just reinstating original funds. Kurt Volker added that we have a good basis to go back to original funding, but this is not the climate to be frivolous. Ted Maxwell said it is better to go in with the new mandate and ask for a little more because of the great need that has been generated. Sandra Ristow interjected that since the '98 agreement is still in place, we should approach Ralph Cavalieri and request a new agreement.

Art Losey motioned that the commission move forward with reinstating the full funding. Andy Jensen seconded the motion. Kathleen Emmett asked if there is any way that would jeopardize what WSU gets now. Alan Schreiber said not since they are much bigger than we are. We would begin by working with the legislative liaisons to determine viability of such a request.
Motion carried.

MINUTES: Herb Teas asked for changes to the previous minutes. Alan Schreiber said there were a few grammatical changes for names, etc. Everyone had a few minutes to look at them before Chair Teas asked for approval.

Art Losey motioned to accept the minutes as presented with the grammatical changes. Chuck Masters seconded the motion. Motion carried.

DISCUSSION ON PROPOSALS

018, 016, 017, 019, 021, 020, 007, 023, 010, 028, and 004: Approved

Old Mandate: \$66,872

New Mandate: \$67,286

\$134,158 in funding for the above bundle. Percentage of total budget this includes: 16.6%

Kurt Volker motioned that we work with all from 81.3 up. This includes 026, 014, 011, 005, and 002. Seconded by Andy Jensen. Motion carried.

Old Mandate: 76,044

New Mandate: 123,956

\$184,000 Total. 24.9% of total budget.

At 76.6 the funding level is:
Old Mandate: 92,884.
New Mandate: 189,533.
Total \$282,417. 35% of total budget.
This includes 001, 009, 024, 003, 012, and 006.

04AN009 Conserving Predators in Washington Potato Fields: Kurt Volker noted there is no matching funds from Small Planet Food, and no real apparent need for the equipment. There was no way to determine if the technical protocol was good, nor could they tell if any real positive outcome would come from this proposal. Andy Jensen said that the situation that Gary tried was small plot and conventional fields, and how it is translatable to whole circle fields. There isn't as much diversity in whole circle fields.

Kurt Volker motioned to turn down, but to invite for resubmission with further development of research protocol. This is conditional depending on funding of Washington state potato commission. Seconded by Chuck Masters. Alan Schreiber will write a letter, and have it approved by Andy Jensen and Kurt Volker. Motion carried, with an abstention by Andy Jensen.

04AN024 Preventative Management of Root Weevils in Container-Grown Nurseries: Art Losey pointed out that they are working with something that is already functioning. Kurt Volker said this is a perfect example of him trying to fund a technician. Art Losey said they have efficient control at this time, and he would have a hard time supporting this. Kurt Volker opted to turn down.

Motion by Art Losey to turn down the project because it's too expensive for the work involved. Ben Barstow seconded the motion. Motion carried. They can be invited back with changes.

COMMISSIONERS WOULD LIKE ORIGINAL SCORING SHEET OF ANY RESUBMITTED PROPOSALS.

04PN003 Development of the Sex Pheromone of Currant Stem Girdler as a Management Tool: Kurt Volker is interested in this work, but not convinced at the end of fourth year they will achieve their goal with the statement: "Seems like we're funding a private research project for a limited audience." Herb Teas pointed out that the total match to cost is not accurate. The pheromone is being produced, but no cost has been associated with it. Alan Schreiber asked what amount of growers would be appropriate to not enough. One hundred would be great, but would 50 work? Alan Schreiber suggested making the decision that this will be the last year to fund this study. Herb Teas noted that they have made substantial progress and they know some things that can't do. He concurred with Alan Schreiber's idea that this is the last year based on progress. Doug Walsh explained that in a natural state the cane would grow 5 to 6 feet, however, with stem girdler it will only grow 3 to 4 feet. It affects 100% of the plants. If this works it

might open up a market for growth of this as a commercial product. Art Losey said if we solve the pest problems, the market will grow. No action taken Proposal accepted.

04AN012 Identification of Pest Ant Species in the Pacific Northwest: Chuck Masters remarked that the attendance of workshops seems inappropriate. Alan Schreiber said this seems like good infrastructure, although in the past we would have liked the institution to provide this. The survey work in three states didn't seem sufficient enough to see what is going on. Art Losey noted that our industry has a very close working relationship with the Doctor. The industry needs the expertise the workshops will provide. Alan Schreiber said this will defray costs, but it is not a large investment for the work you will receive. Chuck Masters asked if she needs to stay in Washington State. Art Losey replied, no, she will just drop over the border, so it is not a problem. Kurt Volker noted that at least a portion is academic interest. Art Losey stated it might be that our industry needs this identification process, there are new species identified all the time. No action taken. Proposal accepted

04AN015 Survey of Blueberry Pests and Diseases: Brian Sakuma remarked that this is a regional proposal, and does not think the Commission would accept this. Alan Schreiber felt there is a small percent in the west that isn't getting help, and feels left out. Chuck Masters questioned how his kind of service is taken out of his salary. Alan Schreiber explained that he is a private consultant.

Kurt Volker motioned not to fund, stating there is no way a \$9 per hour scout could get the information in the time allotted. Brian Sakuma pointed out that he didn't come to the commission (blueberry) for assistance. It is specific to Clark County. Andy Jensen seconded. Motion carried. No invitation back.

04AN027 Lygus Bug Cultural and Biological Control in Washington State Apples: Doug Walsh said the apple industry could be included. Herb Teas pointed out that tree fruit is very interested in this. Doug Walsh noted that the tree fruit commission has supported this with a three-year support. Herb Teas read an email from the tree fruit research lead: "Herb, this pest is important to all tree fruit, including stone fruit, not just apples." Art Losey explained that there is a cover crop spray for the first generation. Herb Teas said this is a new area on orchard floor.

04AN013 Biology, Damage, and Management of Aphid and Virus Pests in Wheat- An Inter-Disciplinary Approach: Art Losey recollected an aphid in the 80's that was supposed to decimate the wheat industry. Kurt Volker recalled that it was the Russian peach aphid. The aphid is the carrier. There are several that can be a carrier, including the barley yellow dwarf aphid. This is an aphid collection and identification project. Ben Barstow noted that the wheat commission has funded this. They just found out how to determine the point of the virus from the aphid barley yellow dwarf. Ben Barstow surmised that the only conceivable way it would put money in the grower pocket is that they might be able to release a barley yellow dwarf resistant wheat. No action is taken.

Art Losey motioned to fund the above proposals minus the two that were declined. The motion carried with one nay.

04AN025 Management of Bamboo Spider Mites, Schizotetranychus: Andy Jensen stated he believes the project is expensive for the amount of work being done. Dan Robinson asked if this is part of the problem with WSU money. Kurt Volker stated that there is no support by the industry. Alan Schreiber remarked that this would be contingent on him getting the American Bamboo Association to fund the project.

Andy Jensen moved to fund at \$4860, contingent upon funding by the ABA at the same amount. Kurt Volker seconded. Motion carried. Old Mandate: 30. New mandate: 70.

04PN022 Registration of a CT-100 (copper sulfate pentahydrate) and Chitosan combination as a Foliar for Potato Late Blight Control: This is organic potato growers trying to use an adjuvant to work with copper. A question was asked if the potato commission supports this work. Andy Jensen responded they are not. Funding is being requested from a very small portion of the industry. Even the organic growers don't support this effort. Alan Schreiber noted that the conventional growers have several options the organic growers don't, they are desperately seeking an alternative. Chuck Masters had the same idea, but it was hard to get anything concrete. This seems like growers would be jumping all over it if it were true. Proof would be Small Planet Foods supporting it more fully.

Ben Barstow moves to reject, but invites for resubmission. Seconded by Art Losey. Alan Schreiber suggested that adding more match funding would increase the likelihood of WSCPR funding. Motion carried.

04AN008 Non-Chemical Insect Contaminate Separation in Cranberries: They had money included for a computer that they didn't need. Chuck Masters said they didn't have a very good protocol developed. It is contingent upon the raspberry commission supporting this with monetary funding. Salary and space has been allocated as in kind funding. Chuck Masters moved to resubmit, contingent on cash one to one match from industry sources as well as more developed material and methods.

Motion is to reject, and invite for resubmission. Seconded by Kurt Volker. Motion carried

04PN030 Japanese Knotweed Control Study: This is not working with other people, and not a serious level noxious weed. Herb Teas would like to see it come back with development plan for homeowner injection. Kurt Volker asked if this is important to watershed shouldn't there be other plans?

Kurt Volker moved that we not fund this project. Chuck Masters seconded the motion, with no resubmission. Motion carried.

04PN029 Management of ‘Black Death’ Disease of Helleborus: Kurt Volker questioned biological control of an aphid that is not even a vector. Doug Walsh explained that they lost some funding from the industry source, and agreed to try to find other money to support the entomology side. Doug Walsh would have Ken Eastwell come back and give more detail. Ben Barstow would like to know if they have a cooperator identified to work with. They have a number of cooperators, and will send them foliage. A lot of matching funds have come from outside of Washington. Lindsey du Toit thought it might be moved along under any circumstances. Herb Teas wondered if the nursery industry is hiding their foundation stock. A question was asked if they are actively assisting in the eradication of this.

Kurt Volker moved that we invite them to represent this with more specific detail at the next meeting. Seconded by Andy Jensen. Motion carried to resubmit with more information.

Art Losey moved to accept 013 & 027. Chuck Masters seconded the motion. Funding is approved. The motion is approved with one opposing vote.

The meeting is adjourned by Chair Herb Teas.