

WASHINGTON STATE COMMISSION  
ON  
PESTICIDE REGISTRATION

November 7 and 8, 2007

Hal Holmes Community Center  
Ellensburg, WA

Charles J. Masters, Chair, presiding

Approved Minutes

Commissioners present were Bob Berger, Bryan Sakuma, Trent Munden, Ben Barstow, Art Losey, Pam Edwards, Chuck Masters, Andy Jensen, Rick Hamman, Ann George, Jay Schafer, Byron Phillips, Erik Johansen, Doug Walsh, Kurt Volker, Cynthia Lopez, Dan Robinson.

John Brown was present as the Washington State University liaison.

The meeting was called to order by Chair Masters at 1:02 pm.

**Minutes**

Chuck Masters asked if there were any additions or corrections to the minutes.

*Andy Jensen moved to approve the minutes as submitted. Ben Barstow seconded the motion. The motion passed with one abstention. Byron Phillips indicated that he had not been at the previous meeting.*

**Financial Report**

Alan Schreiber began the financial report with the year to date accounting. All items were explained. The notebooks are a major expense for the funding review meetings. An explanation was given of the checking report. Alan Schreiber made a forecast of the upcoming expenses for meetings. The consolidation report from WSU was discussed. Discussion centered around the amount of funding that remained unencumbered.

Historical information was also given regarding numbers and amounts and their relationship to the first or second meeting.

Byron Phillips and Bob Berger both had questions regarding the check detail. Alan Schreiber answered all questions.

*Andy Jensen moved to accept the financial report. Byron Phillips seconded the motion. The motion passed unanimously.*

Alan Schreiber gave the commissioners general background information and asked whether or not they wanted to do a biennial report. Alan Schreiber gave additional information for the benefit of the new member of the Commission. Alan Schreiber gave the commissioners information on Trent Munden, the new member of the Commission, who replaced Dan Robinson as the representative from the food processing industry. Information was also given regarding the members who had been reappointed Byron Phillips and Rick Hamman. Bob Berger, a previous member of the Commission, has been appointed to replace Gina McCauley, whose time conflicts would no longer permit her to serve on the Commission.

Alan Schreiber reported on the Washington Ag Project. This project has an ebb and flow to it due to the seasonal time demands of the authors. An effort had been made to contact the WSDA regarding their preferences for crops to be researched in the coming year. As of the date of the meeting, they had not made contact with Alan Schreiber. Alan Schreiber read off the list of crops that are being researched at this time. Discussion took place on conservation grasses. Andy Jensen asked if forage kochia was on the list. Erik Johansen asked if honeybee was going to be on the list to be researched this year.

## **Presentations**

### 08AN011 Vince Jones/ Tree Fruit/Information

This proposal deals with a Decision Aid System for growers. The consultants are eleven beta users. These eleven will be using the system of a year. The user will create a profile. Vince Jones went through the process that would be used. The goal is to add value to the existing system. The plan is to add an organic component and alternative methods. Kurt Volker asked for clarification on the budget. Byron Phillips said that he is a beta tester. Andy Jensen asked about the numbers that are using the system. The system has about seventy hits a day. Rick Hamman asked about possible screen changes with additions to the format.

### 08AN024 Doug Walsh/Wine grapes/Grapevine leafroll

This proposal is a companion to one being proposed by Naidu Rayapati. It has been a challenge to rear grape mealybug. This work would enable the project to get up to speed and use the grape mealybugs for virus transmission. They will be used to test topical efficacy as a part of IPM work on grapes. The goal is to keep the colony going on a year round basis. Grape mealybug is implicated as the vector in grape leafroll virus. Mealybug is only a pest unless you have the virus and then they move the virus through

the vineyard. Rick Hamman said that there has been a problem with not being able to study the second generation.

#### 08AN028 Elizabeth Beers/ Apples/Woolly apple aphid

Dain Craver

Dain Craver gave his credentials. Woolly apple aphid has become a much bigger issue than it was in the past due to the reduction in organophosphate use. This pest has been given a very high priority by the Washington Tree Fruit Research Commission. This has been a very big problem for organic orchards. Work has been done by Elizabeth Beers on the woolly apple aphid for the last three years. Examination needs to be made of the predators and parasitoids to develop a biological or IPM control. Assessment needs to be made of the damage that they do. This project will fund a graduate student which is a top priority with WSU.

Rick Hamman asked what damage or problem is caused by WAA. Byron Phillips replied that WAA is a quarantine pest. Dain Craver said that there is little understanding of the cycling of the pest. Kurt Volker asked about Surround. Betsy Beers replied that that was a regular part of her screening work. Andy Jensen asked about the timing of the work to be done. Work in other parts of the country had not transferred effectively to this area. Bob Berger asked about the travel budget. Chuck Masters asked for clarification of the supplies. Supplies involved rearing cages and bioassays.

#### 08PN006 Chang-Lin Xiao/ Pears/Rot

Pears can be stored in packed boxes or in bins after a fungal dip. Phacidiopycnis rot is a major rot in pears. It is estimated that this causes a 30% loss by rot in d'Anjou pears. The rough bark of the trees is thought to be a harbor for the rot which is then widely dispersed and moved by water. This is a post harvest disease but the infection is caused in the field. Ziram is used for control but causes skin irritation at harvest. A need exists to find an alternative that does not exacerbate blue mold. Examination will be made of both pre-harvest and post harvest option.

Bob Berger asked for more information about losses. Losses are often indirect due to the latency of symptoms and repacking costs. Andy Jensen asked about Ziram and skin irritations. The problem is not as prevalent in Bartletts because they are not stored for long periods. Chuck Masters asked for clarification of the design.

#### 08AN026 Schreiber/Potatoes/Worms

Growers feel a need to treat for worms but the damage and the best control practices are largely unknown. Damage or incidence seems to be on the increase. Growers are continuing to treat despite the lack of knowledge. The worms occur in mixed assemblages in the field. Type and instar variances cause great differences in the efficacy of any pesticide. This proposal is basic detective work. Sampling will be done throughout the season in selected fields and also in outbreak fields.

Ben Barstow asked if the work would also involve looking for parasites. Chuck Masters asked for clarification on the design. Rick Hamman asked about treatments in use at this

time. Kurt Volker asked for information regarding depth of sampling into circles. Kurt Volker recommended sampling fewer circles at greater depth from the edges.

08AN012 Lindsey DuToit/Spinach Seed/Fusarium Wilt

This is the third year of work with this issue. Fusarium Wilt is the greatest limitation in spinach seed production. At the present time the growers work with an 8 to 15 year rotation. The results so far from the work done with limestone amendments are very good. At this time limitations need to be established. The land that the work is being done on is only 5 years out of spinach seed. The increase in pH seems to be linked with an increase in verticillium.

Kurt Volker asked about the departure of a student that had been working on the project. Gary Chastagner has hired a person that will help and will use the lab. Jay Schafer added that verticillium is getting to be an increasing problem and it does not show up until flowering. Infected seeds infect the soil whether or not the spinach is infected.

08AN029 Chris Grue/Salmonid/Imidacloprid

Dick Shelton of Willapa Bay Oyster Growers

The burrowing shrimp is going to end the oyster industry in Washington State. WSU began a program to replace carbaryl five years ago. Carbaryl has a bio-marker that does not exist for imidacloprid. The work is being done on brain residues and is linking the work that has been done on birds. Research will be done on recovery as well as toxicity.

Ann George asked for a value of the oysters. A working figure would be \$54-\$58 million. Willapa oyster industry is the oldest and longest existing ag industry in the state. Alan Schreiber asked who was requiring the work. The work is designed to have the information for NOAA and the Department of Ecology when they ask about the impact of imidacloprid on salmonid. If there is litigation this will be a part of the information on non-target effects. Chuck Masters asked for clarification on existing information from last year. Oyster growers are contributing to many projects as well as in-kind work and equipment. Oyster growers contributed \$250,000 this year. Ann George asked about the money generated. Kurt Volker asked if there was a written confirmation from the registrant that they would pursue registration.

Break

08AN030 Naidu Rayapati/Wine grapes/Virus

Kevin Corliss

The wine grape industry now measures 30,000 acres and 1 billion bottles. A major concern for maintaining growth is having clean plant material. There is not enough certified plant material so the growers need to be able to look at viruses in plant material. This is the third year. A diagnostic facility has been established in Prosser. A technique which allows multiplexing of samples has been devised. The safety of the plant material must be established prior to use for propagation. Sampling will be done at two week intervals. The virus cannot be detected by ELISA in the first half of the season but it can be detected all season long with PCR. PCR also allows for detection after a longer period

of time after harvest of plant material. There is also the ability now to detect more than one virus at a time in the same reaction. This season would provide validation of last year's data.

Dan Robinson asked if other regions have the same problems and what their solution is. Bob Berger asked if this was intended as a replacement for certified stock. It is to maintain the diagnosis of a virus free block. Chuck Masters asked for clarification of the budget. The figures are there to indicate the scope of the project.

08PN014 Rick Boydston/Mint/Herbicides

This proposal deals with broadleaf weed control in double cut mint. The goal is to find a replacement for herbicides that were effective but are no longer being manufactured. Three compounds are going to be screened. There will be 13 treatments.

Rick Hamman asked if there were not going to be any supplies. The need is for only a part of the salary. Kurt Volker asked if Valent had been asked to support financially. It may be possible to use existing residue information. Bob Berger asked if the growers were funding this project. The Washington Mint Commission is funding the proposal.

08AN003 Dave Horton/Potatoes/Wireworm

This project was begun in 2007. The goal is an artificial feed bait for wireworms in potatoes. Wireworms are the larval form of click beetles. Wireworms follow gradients of carbon dioxide. The bait needs to have long distance attractiveness and also needs to be something that the wireworms will eat.

Ben Barstow asked if it mattered which species was being worked with. There are different species but they are very similar and the bait will be effective for all of them. Kurt Volker asked for clarification on the budget. Ben Barstow asked about control baits. The baits must be more attractive than the roots.

08PN015 Rick Boydston/Onion/Herbicides

Work will be done with a Goal formulation. The weeds flourish at the same time the onions grow and as the pre-emergent loses its effectiveness. The product is Goaltender. Examination will take place at the one leaf, two leaf stage, three leaf and fourth leaf. The product will also be looked at in combination with Buctril (this is currently not labeled). Discussion took place about funding potentials.

Erik Johansen asked about rates being used and whether or not they were in keeping with the national label. It is a lower rate.

08AN027 Tom Unruh/Potatoes/Aphid

What are the hosts of green peach aphid when they are not on potato fields? Understanding this issue is critical to the control of secondary infection of the virus vectored by the green peach aphid. A portion of the genome will be sequenced to identify the food sources of the aphids. Stick-um will be put on nets and eggwhites on leaves. The aphids walk across the dried eggwhites and it is detectible in ELISA test.

Examination will be made of early season movement. The plants will also be tested for virus.

Dan Robinson asked why this issue should cause concern when in some instances the source would have no interest in controlling the aphid. Andy Jensen said that in some situations there would be incentive especially if it is within one's own fields. This is related to early season flight and can have an educational effect. Kurt Volker said that this is a really interesting subject.

08PN010 Doug Walsh/Vegetable Seed/Bee Safety

This proposal will work with a list of various compounds that are requested for various vegetable seed crops. The registrants in turn gave a list of requirements for data needed to get registration. CBVSA has funded this proposal and there is money from one chemical company.

Chuck Masters asked for more detail on the experiments. It is necessary to see if the insecticides affect the seed set in any way.

08PN013 Rick Boydston/Alfalfa Seed/ Herbicides

This proposal is for herbicide screening in alfalfa seed production. Each year data shows efficacy with specific weeds and there are new weeds that are items of concern. Registrant companies require more years of data for higher value seed crops. Mechanical set back versus carfentrazone or paraquat. Also examination will be made of cotton and tobacco herbicides. Efficacy data collection will be made for registration.

Jay Schafer asked about row spacing. Erik Johansen asked for clarification on the availability of a specific herbicide.

08PN009 Doug Walsh/Alfalfa Seed/Lygus

Dale Shepard

It was thought that the lygus bug issue had been effectively dealt with. Now there is a need to evaluate the chemistries that have been made available for lygus control. Work will be done to establish proper timing and use patterns for effective lygus control in the two major alfalfa seed growing areas in the state. The area around Prosser will be used as a control. Demonstration work will be done. Information collected could lead to label modifications if they are warranted.

Erik Johansen said that he had received calls from growers saying that the products were not working. It could be the timing and it also seemed to be that there were higher than usual levels of lygus in the forage alfalfa fields. Kurt Volker asked if there was any benefit to including honey bees because they are an issue. Kurt continued that the work was already being done and including honey bees may make it more attractive. At this time there is no commodity group supporting the honey bee work but the California Almond Board would probably support it. Chuck Masters asked for clarification of the chemical used.

08AN018 Alan Schreiber/Asparagus/Weeds and Disease

Asparagus is the most rapidly declining industry in the state. There is hope that it has bottomed out at slightly less than 9000 acres. The industry has said that the move must be made to mechanical harvesting. This will mandate significant changes in the industry. Efficient use of the machines will necessitate that the look of asparagus bed will change. Experimental beds will be developed to establish what the spacing should be optimally. This will also bring concerns of emerging pest issues such as weeds, insects, stemphyllium and rust. The industry needs to know how bed to create the beds.

Jay Schafer asked about the width of the machine. Chuck Masters asked about using drip irrigation as long as the look of the beds was being recreated. Diseases may not be a critical factor when planning irrigation. Higher densities could relate to shorter field lives. Jay Schafer asked about direct seeding of asparagus.

The meeting adjourned for the day at 5:13 pm.

### **November 8, 2007**

The meeting was called to order on November 8<sup>th</sup>, 2007 at 8:04 am.

Chuck Masters asked Alan Schreiber to give information on the legislative issue regarding an increased funding request. John Brown added information on the new President of Washington State University.

Alan Schreiber asked the commissioners for input about their feelings regarding the publication of a biennial report. Kurt Volker said that he really liked the biennial reports.

*Jay Schafer moved to authorize the publication of a biennial report. Byron Phillips seconded the motion.*

Discussion followed the motion. Art Losey commented that the legislators may not read the publication but their staffers certainly do. Ann George said that it was a way to document the breadth and scope of the work that WSCPR is involved in. This documentation of the scope of work provides evidence if the Commission requests a name change. Ben Barstow asked if an update is worth the cost of doing it. Kurt Volker replied that \$5000 was a small amount compared to the benefits. Alan Schreiber added that it would show that the Commission was working within its mandate that costs have gone up and the rejection rate has also gone up. Bob Berger said that the document has value as a historical document. Doug Walsh commented that he had gone to a tri-fold document with mission statement. Jay Schafer suggested that emphasis be put on the IPM and organic projects. Ann George suggested de emphasizing the title of the Commission.

*The motion passed unanimously.*

Alan Schreiber asked commissioners if they felt that it was in the Commission's interest to have independent council in Olympia to advise on the interests of the Commission. Kurt Volker asked for history regarding the issue. Ann George suggested that each organization go back and give the direction to the individual lobbyist to support the work. There needs to be someone that is working on this issue. There needs to be someone that will report back to the Commission. Discussion took place on the advisability of hiring counsel in Olympia. Alan Schreiber said that the cost did not need to be high or the job large because WSU was already promoting the issue. Chuck Masters asked Ann George to make a motion for the floor to assess the will of the commissioners.

*Ann George moved that all commissioners contact their lobbyists and instruct them to work to move forward the issue on behalf of the Washington State Commission on Pesticide Registration. Additionally the Executive Committee was authorized to spend up to \$5000 to secure a report for the Commission. Jay Schafer seconded the motion.*

Discussion followed. Kurt Volker said that he had concerns and was not certain that this was necessary. Ann George explained her rationale. She did not want to wait until the next meeting to set the process in motion. Ann George did not feel that the report actually needed to be contracted but that the situation needed to be assessed. Art Losey called for the question.

*The motion passed with 7 votes for and 5 opposed.*

## **Presentations**

08AN001 David Gent/Hops/Powdery Mildew

Mark Nelson

Powdery mildew is still a serious problem in hop cones. There is speculation that this problem could be a timing issue but at this time there is a real lack of efficacy. Timing needs to be established so as not to cause other problems. Research needs to be done to understand the conditions that lead to powdery mildew infection. There is concern that incorrect fungicide applications are being made in an effort to control the powdery mildew.

Kurt Volker asked about aromatics. Ben Barstow asked about the usefulness of the existing data sets. Kurt Volker asked about the length of the project. Validation will take two seasons. Andy Jensen asked Ann George about the proposal. Ann George said that the next step of pulling every thing together is still to be done. The growers need to have a season long program.

08AN002 David Gent/Hops/Mites and Mildew

Sulfur applications to control powdery mildew cause mites to flare. This proposal is an investigation of the correlation of sprays, timing and their effects. An explanation of the program design was given.

Byron Phillips asked how much sulfur is used in the hop industry. A great deal is used due at least in part because it is the lowest cost alternative. It is the closest thing to an eradicant. Byron Phillips asked if the sulfur is killing the predator mites or an alternate food source. Kurt Volker asked Ann George for information as to historical work by others. Kurt Volker asked about funding already granted. Andy Jensen asked about funding of David Gent. Ann George explained hop funding.

09AN017 Gary Grove/ Hops/Powdery Mildew

Mark Nelson

The desired efficacy is not being achieved. Early prophylactic efforts are critical to maintaining low pressure of the disease. A better understanding of fungicides, timing and efficacy is being sought.

Byron Phillips asked for clarification of budget entries. Andy Jensen asked for information about a spore trap. Kurt Volker asked about budget allotments for tractors and spray rigs.

08PN008 Doug Walsh/Mint/Arthropods

The target of the proposal is soil arthropods. Sample of surface waters were collected from the Marion Drain. Correlation of applications and drought conditions may have lead to higher concentrations of pesticide. New products have conducted trials with rill irrigation and with center pivots. The goal is development of data to pursue a Section 18 at the end of summer 2008. Work will also be done for an added use pattern of spring application for symphytan.

Alan Schreiber asked for clarification on the issue of Lorsban in surface water. It has been a level of concern. Cynthia Lopez asked about any human health issues. Kurt Volker asked if any search has been made of Oregon use for symphytan. Andy Jensen asked about the level of a problem from symphytan. It is sporadic but if it is a problem, then it is a serious problem. Ann George said that there is a correlation to problems with adjacent corn plantings. Kurt Volker congratulated Doug on being proactive on water issues.

08AN007 Lerry Lacey/Potatoes/Potato Tuber Moth

There is a virus that affects PTM. This virus occurs with PTM in other parts of the world. In fields trials, examination will be given, in part to the effects of and protection from ultraviolet rays. Bt is effective but not until the fourth instar. Storage efficacy will be looked at. Pathogenic nematodes are effective if soil conditions are conducive. Work will be done with sub-lethal levels of imidacloprid as a synergistic agent.

Byron Phillips asked about imidacloprid use in potatoes. Would sub-lethal doses lead to resistance development by other potato pests. Rick Hamman asked for clarification on budget allocation for Alan Schreiber.

Break

#### 08AN021 Hanu Pappu/Onion Seed/ IYSV

Washington State is the third largest producer of onion seed in the country. Iris yellow spot virus is a major constraint for production. It is unknown what the factors are that contribute to outbreaks. Hanu Pappu is working as part of a three state effort.

Examination is being given to pre-plant conditions. This virus is transmitted by thrips. There is a need to know thrips dynamics. It is unknown what the alternate hosts are for the thrips and the virus.

Rick Hamman asked for the identity of the thrips. They are onion thrips not western flower thrips. It is not known for sure whether or not WFT can transmit this virus. Kurt Volker asked why there is not money coming from the Pacific Northwest Vegetable Association. Doug Walsh said that there would be money coming but it was unknown as to what amount. Nevada was also contributing money. Erik Johansen asked where the work would be done.

#### 08AN022 Hanu Pappu/Dahlia/Mosaic Virus

This virus is a major concern of dahlia growers across the country. It affects a number of flowers. It affects both the plant and the flowers. This is the number one issue of dahlias in the Netherlands also. There is concern with import number and unchecked materials used for propagations. A single cutting can be sold for \$2000. Interest from the endowed chair at WSU and the UDSA are used for matching funds.

Andy Jensen asked about the identification of the virus. It is a DNA virus. Ann George asked about the number of acres in the state. Ben Barstow asked about plots. Trial gardens will be used. Research will also be done to look for potential resistance to the virus. Rick Hamman asked if multiplexing was being used. Byron Philips asked about the endowment money in the budget and the source of the nursery money.

#### 08AN023 Hanu Pappu/Potatoes/Virus S

A popular variety of potato named Defender has resistance to late blight but is proving to be very susceptible to virus S. It is not known whether or not this is a new strain. The virus has been known for about fifty years. Examination is being made of the parentage of the different breeding lines to see if any have a susceptibility to PVS.

Alan Schreiber asked for a hypothesis on the origin of the problem. Dan Robinson asked about the impact on other states. At this time the problem is primarily confined to seed lots.

#### 08AN025 John Brown/Poplar/Willow Borer

Don Rice

Hybrid poplar is a relatively new crop. It was started in the late 1980's. Work is done in a close relationship with WSU. The company is constructing a sawmill so focus is shifting now to the borers than previously when trees were for pulp production. The pest is the poplar willow borer. Examination is being given to vulnerable periods and timings for control of the pest.

Chuck Masters asked about the size of the experiment. Alan Schreiber asked about the number of years of work being done. Monocultures invite pest problems. The variety of poplar planted to adapt to the climate of the area also has more pest issues with a long tap root. Kurt Volker said that the proposal does not follow WSCPR guidelines. Kurt Voker also asked about the use of the waste portion of the trees. Cynthia Lopez asked about re-entry times.

#### 08AN016 Brenda Schroeder/Onion/Storage Rot

A new and emerging issue in storage onions is Enterobacter. A request for research was made by the Pacific Northwest Vegetable Association. It is unknown when the pathogen associates with the host or how long they need to be associated. The disease does not necessarily spread from scale to scale and may only affect the center. Examination will be given to cultural practices and how they may impact the disease. Detection capability is being developed. There is more concern with yellow and red onions than with white onions.

Andy Jensen asked about the difficulty of growing onions in the greenhouse. Andy Jensen asked if there were multiple infections. More than likely there are multiple disease but so little is known about Enterobacter that that must be dealt with first. Kurt Volker asked for more historical data. Necrotic ringneck virus seems to be complicated by the bacteria. Byron Phillips asked about travel money and what part Lindsey DuToit had in the project. Lindsey is serving as a statistician.

Chuck Masters said that Commission business issues would be addressed until the final three presentations arrived.

Alan Schreiber gave background information on an issue confronting the Commission. It is possible that a proposal to create a chemigation training program may come before the Commission. It would be submitted by the WSDA. Chuck Masters asked Alan Schreiber to read the enabling legislation including both the old and new mandates. Chuck Masters said that the question is whether or not this fits with the demonstration/education aspect of the mandate. Kurt Volker said that there are problems with chemigation around the state, which seem to be due in large part to lack of education. Kurt Volker feels strongly that creating the material would be well within the scope of the mandate. Bob Berger asked if it was the same as the structure at Puyallup. Alan Schreiber said that he felt that there is a distinction. This request is from a state agency to fund their unfunded mandate. Applicator training from a state agency is a big issue. Ann George said that she felt that this is an unfunded mandate. Art Losey said that WSU is a training arm of WSDA. There is a need for this. Discussion followed. Alan Schreiber asked if the commissioners wanted to create a policy on training programs. Andy Jensen cited concerns about mission creep. Chuck Masters called for a motion. Ben Barstow said that we need to see a proposal. Ann George agreed. Erik Johansen said that he agreed with Art Losey but that WSDA also provided training. Chuck Masters said that submission of this proposal would be allowed at the January meeting. Alan Schreiber was directed to talk to the applicant.

08AN004 David James/Hops/Methyl Salicylate

Dispensers have been used successfully in hop yards to attract beneficials. The attraction of many types of beneficials has remained a puzzle. The question remains whether or not this is actually affecting the hops themselves. Examination will be made of the mechanism of the attractiveness. This will be a multiyear project so this is being used as a set up for the request for federal funding. The past work has been successful and exciting.

Kurt Volker asked for information about the oils used. Ann George asked about the potential applications on other crops. Applications are numerous for any crops that are responsive to methyl salicylate. Chuck Masters asked when this technology will be in use. Ann George responded that it is in use now but it is quite costly. There is a need to understand how it works. Doug Walsh asked about large areas and the possible lack of food for the attracted beneficials.

08AN005 David James/Winegrapes/Mites

This proposal works with both rust mites and bud mites. These mites resulted in 80% losses to dome growers in the Walla Walla area. The emerging insects in the spring can result in short shoot syndrome. Bronzing of leaves was indicative of an increasing population. It is possible that past suppression came from various compounds such as Lorsban or sulfur. Work need to be done to know the biology of the mites. Survey will be made of the incidence and abundance of the mites especially in relation to the season and their enemies. There was a low population in 2007.

Ben Barstow asked about culturing predatory mites. Bob Berger asked about funding source. Rick Hamman added that this is a new problem and very important. This is a pest that can come up very quickly.

08AN020 Jay Brunner/Pomefruit/Leafrollers

Because the two pests are inter-twined, leafroller and codling moth, their resistance development is also intertwined. Work is being done with diagnostic doses and identification of a marker that is associated with resistance. Work will be done with new chemicals also. Populations are demonstrating cross resistance and resistance reversion. Examination will be made of sub-lethal doses.

Kurt Volker asked about a new product mixture. Rick Hamman asked about objectives and whether or not collected information would be on Weather Agnet.

Chuck Masters and the commissioners thanked Dan Robinson for his service to the State of Washington.

Discussion took place regarding priorities and perspectives pertinent to the ranking of the proposals and the awarding of funding.

Alan Schreiber showed the commissioners the scores and the rankings for the proposals. Discussion took place regarding concerns for various proposals.

Byron Phillips gave information regarding priorities in treefruit. Andy Jensen gave information regarding funding priorities for the potato industry. Andy Jensen asked if money was not spent by year end would it return to the Commission. Cynthia Lopez asked for clarification on the asparagus proposal. Alan Schreiber said that he would not argue for it and turned it over to the commissioners for discussion. Cynthia Lopez gave information on work that the Department of Health felt to be important.

Chuck Masters requested that the commissioners deal with the highest ranked project with which they had concerns.

*Ann George moved that 08AN028 be invited for resubmission in January and to work with the Administration to strengthen portions of the proposal. Andy Jensen seconded the motion. The motion passed unanimously.*

*Kurt Volker moved to fund 08AN017 at a reduced rate of 1:1 ratio with the Hop Commission. This would be \$17,001. Erik Johansen seconded the motion.*

Discussion ensued. Ben Barstow asked for clarification of the issue with the tractor. Doug Walsh said that there were high costs associated with hop maintenance. Bob Berger called for the question.

*The motion passed unanimously.*

*Byron Phillips moved to approve proposal 08AN005 and those ranked higher with the exception of 08AN017 which had already been approved. Kurt Volker seconded the motion. (This reflects proposals 08AN012, 08PN008, 08AN020, 08AN007, 08PN009, 08AN011, 08PN013, 08PN010, 08AN027, 08PN015, 08AN026, 08AN023, 08PN006, 08PN014, 08AN030, 08PA018, 08AN019, 08AN016, 08AN024, 08AN017, 08AN029, 08AN005.)*

Discussion took place. Doug Walsh asked for clarification on the weighting of the match on several proposals. Several commissioners responded. Ann George called for the question.

*The motion passed unanimously.*

*Kurt Volker moved to approve 08AN021 and 08AN022. Andy Jensen seconded the motion.*

After a short discussion the motion was withdrawn.

*Kurt Volker moved to approve 08AN022. Erik Johansen seconded the motion. The motion passed with one vote opposed.*

*Kurt Volker moved to approve 08AN004 with the direction for the administrator to communicate concerns with performance and protocol adherence. Andy Jensen seconded the motion. The motion passed with one vote opposed.*

*Kurt Volker moved to deny funding to 08AN001 and 08AN002, but to invite David Gent to resubmit in January. Erik Johansen seconded the motion. The motion passed unanimously.*

*Kurt Volker moved to deny funding to 08AN021 and to invite for resubmission in January conditional on some matching funds from the PNVA. Rick Hamman seconded the motion. The motion passed unanimously.*

Andy Jensen asked for input on the reasoning behind the scoring for proposal 08AN003. Discussion followed.

*Kurt Volker moved to award funding to 08AN003 as written but with comments from Alan Schreiber. Bob Berger seconded the motion. The motion passed unanimously.*

Doug Walsh said that he had worked with John Brown and that he had had consistent success. Andy Jensen agreed with Doug Walsh's comments.

*Andy Jensen moved that 08AN025 be denied funding but asked to resubmit in January rewritten to reflect the RFP and with clearer objectives. Kurt Volker seconded the motion.*

Discussion followed. The question was called for.

*The motion passed unanimously.*

*Erik Johansen made an amendment to Kurt's motion on 08AN022 saying that the budget needed to be rewritten to clearly reflect the grower match. Bob Berger seconded the amendment. The amendment passed unanimously.*

*Kurt Volker moved to adjourn. Bob Berger seconded the motion.*

The meeting adjourned at 3:06 pm.