

The Protection Product Harmonization and Registration Board
Minutes of April 9th, 2015

The North Dakota Crop Protection Product Harmonization and Registration Board met on April 9th, 2015, in the Governor's Conference Room of the State Capitol in Bismarck, ND.

Board Chairman Jeff Topp called the meeting to order at 3:00pm. Board members in attendance included Chairman Jeff Topp, Agriculture Commissioner Doug Goehring, Representative Marvin Nelson, Troy Bassingthwaite, Stan Buxa (via telephone), Representative Mike Brandenburg, Terry Weckerly, and Senator Terry Wanzek. Dr. Ken Grafton and Ivan Williams were absent. A quorum was declared.

Non-board members present for all or part of the meeting in person included Jim Gray (NDDA), Brandy Kiefel (NDDA), Dr. Michael Wunsch (NDSU) and Dan Wogsland (NDGGA). Dr. Julie Pasche (NDSU) participated via a conference line.

It was noted that a notice of meeting had been filed with the ND Secretary of State. A copy of the agenda was posted next to the main entry to the meeting room in the hallway.

I. Approval of Minutes. Wanzek moved to approve the minutes of the board meeting on December 16, 2014. The motion was seconded by Weckerly. All voted in favor. Motion carried.

II. Minor Use Fund Grand Budget Report. Gray provided a report on the Minor Use Fund. There was \$69,564.81 carried over in the Minor Use Fund from the 2011-2013 biennium to the 2013-2015 biennium. With the \$325,000 appropriation from the legislative assembly, there was a total of \$394,564.81 available at the beginning of the current biennium. The Board made \$209,433.00 in Minor Use Fund payments this biennium with an additional \$101,941.00 of funding obligation. Gray noted that he was recently contacted by NDSU indicating that the project under contract MUF-03-15 would not be conducted due a lack of matching funds from the Northern Pulse Growers. Therefore, an additional \$20,000 of obligations will be returned to the fund balance, leaving \$103,190.81 in net Minor Use Fund dollars available for additional projects.

III. Pesticide harmonization Grant Budget Report. Gray provided a report on the Pesticide Harmonization Grant fund. Gray explained that this fund pays for Board operating expenses and is used for harmonization grants. There was \$28,455.11 of net funds available in the fund.

IV. Reports from Previously-Funded Minor Use Projects. The Board was provided final reports from four previously funded Minor Use Projects. The grant recipients provided oral reports to the Board, either in person or via speakerphone.

- A. *Evaluation of Fungicides for Management of Foliar Blights of Lentils (MUF-01-14): Dr. Michael Wunsch, NSDU.* Topp referred members to Tab D in their meeting binders. Wunsch reported this was the 3rd year of the 3 year project. Under heavy foliar disease pressure, the fungicide Omega optimized lentil yields and overall disease control in all three-field trials conducted in 2014. The fungicide Omega was the only non-QoI fungicide that provided satisfactory control of anthracnose. Omega and Proline were the only fungicides that provided satisfactory control of Sclerotinia. The results of this project which are consistent with previous years, indicate that Omega will be satisfactory fungicide rotation with QoI fungicides for fungicide resistance management in areas where anthracnose is a concern.
- B. *Comparative Efficacy of New Versus Traditional Fungicides for Control of Sclerotinia on Dry Beans (MUF-03-14): Dr. Michael Wunsch, NDSU.* Topp referred members to Tab E in their meeting binders. Wunsch reported Omega and Endura provided the most consistent Sclerotinia control and dry bean response out of the five fungicides tested. ProPulse was least effective. Fungicide rotation provided the greatest benefit over sequential applications when dry beans were seeded in narrow rows, where disease pressure was highest.
- C. *Optimizing Fungicide Application Strategies for Sclerotinia Control in Dry Beans (MUF-04-14): Dr. Michael Wunsch, NDSU.* Topp referred members to Tab F in their meeting binders. Wunsch reported the return to a second fungicide application was very high under light irrigation during critical bloom and pod-fill period. When the frequency of the irrigation decreased, the second fungicide application decreased sharply. The decreased return to a second fungicide application was stronger in dry beans seeded to narrow rows than in wide rows. He indicated this could be because of the plant-to-plant spread of Sclerotinia in wide rows due to the short distance between the plants.
- D. *Using Insecticides to Manage Secondary Spread of Pea Seed-Borne Mosaic Virus (MUF-05-14): Dr. Michael Wunsch, NDSU.* Topp referred members to Tab G. Wunsch explained the results from the field test trails suggest that the pyrethroid insecticide esfenvalerate (Asana XL) may be more effective than the Beleaf or Admire Pro at managing PSbMV or other viruses. Esfenvalerate was the most effective for aphid control. Wunsch let the board know that additional testing will be needed before a conclusion can be found on how the safflower severely limited aphid movement, which leads to high variability in aphid pressure. He also noted there is two viruses causing disease, the second

disease causing more damage. Working to find out and characterize the second virus and come back to the study.

Goehring moved to accept all final reports and issue any final payments. Motion was seconded by Bassingthwaite. Chairman Topp called for a roll call vote. Those voting in favor: Buxa, Bassingthwaite, Nelson, Goehring, Weckerly, and Brandenburg. Those voting in opposition: None. Motion carried.

V. Consideration of New Minor Use Fund Requests. Topp referred members to tab H through J in their meeting binders which included three research proposals. He opened the floor to each researcher to provide a brief synopsis of their proposals.

A. Evaluating In-Furrow Fungicide Applications for the Management of Root Rot in Field Peas and Dry Edible Beans: Dr. Julie Pasche, NDSU. Pasche presented the Board with her proposal to target at identifying fungicides showing efficacy against root rot pathogens most damaging in the field pea and dry bean growing regions. Trials will be conducted under greenhouse and field conditions. These trials will be conducted by a Master's student, with the help of the research personnel. The treatments will be compared with non-fungicide treated plants, standard seed treatment fungicides as well as non-treated plants. The data will be used to develop recommendations for growers to control root rot. The total budget would be \$47,269. Pasche is asking for \$20,013. Matching funds are coming from Northarvest Bean Growers Association. No questions from Board members.

B. Improving Disease Management and Fungicide Rotation Options in Chickpeas and Dry Beans through Fungicide Application Technology Research: Dr. Michael Wunsch, NDSU. Wunsch presented the Board with his proposal which seeks to improve coverage, disease control by testing nozzle types and the use of drop legs to deliver fungicides within the canopy. Two drop leg configurations will be tested on dry beans and one drop leg will be tested on chickpeas. This proposal is expected to facilitate improved disease control and improved fungicide resistance management in chickpeas and dry beans through the development of application methods with the potential to improve fungicide coverage with the crop canopy. Wunsch was originally asking for \$15,000 for the first year of a three year project. He decided he could do the project for \$9,000.

Goehring asked about other matching funds. Wunsch replied Northarvest will match \$9,000.

Goehring asked if any other company is looking to take part. Wunsch replied that BASF is supporting by buying the equipment needed for the project.

Jeff Topp also addressed that there is the same issue for chickpeas

Goehring asked Wunsch if he would be open to do field trials and research on chickpeas with wider rows if Board provided full funding of \$15,000. Wunsch said that he would.

C. Improving Disease Management in Faba Beans through Fungicide Efficacy Research: Dr. Michael Wunsch, NDSU. Wunsch presented the Board with his proposal for a one year project to assess fungicides efficacy and fungicide application strategies (timing, application frequency) with the goals of developing recommendations to optimize the use of fungicides for control of foliar diseases on faba beans. Field trials will be conducted in Carrington Research Center due to their well-drained soils, higher rainfall and higher humidity.

Goehring asked about matching funds. Wunsch replied that there is no match.

Board members ranked the funding proposals and provided their score sheets to Gray and Kiefel. There was open discussion.

Topp requested action on all three proposals.

Brandenburg moved to fund all three proposals. Motion was seconded by Bassingthwaite. Those in favor: Buxa, Bassingthwaite, Weckerly, Brandenburg, Nelson, Goehring. Those opposed: none. Motion carried.

VI. Old Business.

A. Matching Funds Discussion on MUF-03-15: Using Insecticides to Manage Secondary Spread of Pea Seed-Borne Mosaic Virus: No Discussion

VII. New Business.

A. Follow state mileage rate. Nelson moved to reimburse Board miles at the established state mileage rate. Motion was seconded by Brandenburg. All voted in favor. Motion carried.

B. Trip to EPA: What priority pesticides issues would the Board like to be addressed on trip to EPA?

Brandenburg suggested to have proper notification of compliance issues in North Dakota and having federal inspectors.

Topp adjourned the meeting at 4:45.