

The Protection Product Harmonization and Registration Board
Minutes of April 19th, 2016

The North Dakota Crop Protection Product Harmonization and Registration Board met on April 19th, 2016, on the Sixth Floor Conference Room of the State Capitol in Bismarck, ND.

Board Chairman Jeff Topp called the meeting to order at 1:00pm. Board members in attendance included Chairman Jeff Topp, Deputy Commissioner Tom Bodine, sat in for Commissioner Doug Goehring, Senator Terry Wanzek, and Representative Mike Brandenburg, Marvin Nelson Terry Weckerly, Stan Buxa, Ivan Williams and Dr. Ken Grafton via-speakerphone. Troy Bassingthwaite was absent. A quorum was declared.

Non-board members present for all or part of the meeting in person or via telephone included, Jerry Sauter (NDDA), Brandy Kiefel (NDDA) Crystal Zabolotny (NDDA), Michael Wunsch (NDSU) and Dan Wogsland (NDGGA). Dr. Julie Pasche (NDSU), Dr. Andrew Robinson (NDSU), Dr. Corey Kratcha (C2Renew), Dr. Venkataramana Chapara (NDSU) and Dr. Brian Jenks (NDSU) were via speakerphone.

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. Nelson moved to approve the minutes of the board meeting on December 17, 2015. The motion was seconded by Buxa. All voted in favor. Motion carried.

II. Minor Use Fund Grand Budget Report. Sauter provided a report on the Minor Use Fund. There was \$186,646.81 carried over in the Minor Use Fund from the 2013-2015 biennium to the 2015-2017 biennium. With the \$325,000 appropriation from the legislative assembly, there was a gross total of \$511,646.81 available at the beginning of the current biennium. The Board made \$36,647.50 in Minor Use Fund payments this biennium with an additional \$330,800.50 of funding obligation, leaving \$144,198.81 in net Minor Use Fund dollars available.

III. Pesticide harmonization Grant Budget Report. Sauter provided a report on the Pesticide Harmonization Grant fund. Sauter explained that this fund pays for Board operating expenses and is used for harmonization grants. There was \$46,541.36 of net funds available in the fund.

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

- A. *Utilizing 2,4-D for Weed Suppression in Potato Production (MUF-01-15): Dr. Andy Robinson.* Topp referred members to tab D in their meeting binders. The research objectives for this project were to determine if 2,4-D can be used to suppress weeds in potato production and quantify effects on yield loss as a result of the use of 2,4-D. The results there were differences among treatments on crop injury from herbicides. Weed control was estimated on common lambsquarters and redroot pigweed. A challenge that was faced in suppressing weeds was the treatments were applied to late. It was noted if the treatments were applied to smaller weeds, the control would have been better. The board had no questions.
- B. *Improved Methods for Rodent Repellents Using ND Residual Biomass (MUF-07-14): Corey Kratcha.* Topp referred members to tab E in their meeting binders. This project was funded for an all-natural mosquito repellent from ND sage. Extracted sage oil was placed on paper carriers to analyze how well the oil would absorb on a carrier that could be placed into a Clip-on housing and how strong the odor was. It was concluded this needs a lot of sage material in order to get reasonable quantities for any chemical analysis. There will be further testing on the efficacy.
- C. *Improving Disease Management and Fungicide Rotation Options in Chickpeas and Dry Beans through Fungicide Application Technology Research (MUF-05-15): Dr. Michael Wunsch.* Topp referred members to Tab F in their meeting binders. It was founded that delivery of fungicides through drop nozzles did not improve fungicide performance in chickpeas. Lack of improved disease control was likely due to decreased fungicide deposition on the top of the canopy with drop nozzles. The use of drop nozzles improved fungicide deposition to stems and leaves in Dry Beans.
- D. *Improving Disease Management in Faba Beans through Fungicide Efficacy Research (MUF-06-15): Dr. Michael Wunsch.* Topp referred members to Tab G in their meeting binders. Conditions were not highly conducive to foliar disease and it was noted that responses to foliar fungicides will likely be stronger under cooler, wetter conditions. This project was difficult to statistically separate most treatments in this trail and future field trials.

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

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

- A. *Evaluation of seed treatment with streptomycin for management of seed-borne bacterial blight in field peas: Dr. Michael Wunsch, NDSU.* Wunsch presented the board with his proposal. This project will quantify disease control, yield response, and economic returns to streptomycin seed treatment on field peas with low, intermediate, and elevated levels seed-borne *P. syringae* pv. *Pisi*. Funding requested is for \$9,000 to conduct a field trial in Oakes, ND. Funding for the second field trial conducted in Carrington, ND has been requested from the Northern Pulse Growers Association.
- B. *Improving disease management and fungicide rotation options in dry beans through fungicide application technology research: Dr. Michael Wunsch, NDSU.* Wunsch presented the board with his proposal. This project will quantify the impact on fungicide coverage, sclerotinia control, and dry bean yield associated with traditional methods for improving fungicide coverage relative to the use of drop nozzles. Optimize the delivery of fungicides through drop nozzles. Evaluate if changes in delivery methods and coverage sufficiently improve the efficacy of the triazole fungicide Proline as to facilitate its use for management of Sclerotinia stem rot in dry beans. Funding requested is \$8,000 to be conducted in Oakes, ND. Funding for a second field trial in Carrington, ND has been requested from the Northarvest Bean Growers Association.
- C. *Evaluation of prothioconazole and fluopyram for management of Sclerotinia head rot of sunflowers: Dr. Michael Wunsch, NDSU.* Wunsch presented the board with his proposal. This project will assess three registered fungicides, one with anticipated registration, and one registered on sunflowers in Canada, not in US for efficacy against Sclerotinia head rot when application methods are employed that achieve good fungicide coverage to the front of sunflower heads. Research for this project will also identify when the fungicides must be applied for optimal fungicide coverage, the best Sclerotinia head rot control, and maximum sunflower yield. Funding requested is \$10,000. The National Sunflower Association provided \$10,000 in funding for 2015. The USDA Specialty Crop Block Program awarded \$32,054 in funding for 2016.

- D. *Evaluation of fluopyram as a seed treatment for managing Fusarium root rot in field peas: Dr. Michael Wunsch, NDSU.* Wunsch presented the board with his proposal. This project will research the response to seed treatment with ILeVo on field peas, plant survival, root necrosis, seed yield, and seed quality under elevated Fusarium root rot pressure. The project will also identify the application rate of ILeVo required to confer satisfactory control of Fusarium root rot in field peas. The Funding requested is for \$3,000.
- E. *Evaluation of Fungicides for Management of Chocolate Brown Spot in Faba Beans: Dr. Venkataramana Chapara, NDSU.* Dr. Chapara presented the board with his proposal. This project will research which fungicide combinations most effectively manage Chocolate Brown Spot Disease and what fungicide recommendations can be made. Funding requested is \$11,388 for one year.
- F. *Efficacy of Foliar Applications for the Control of Common Bacterial Blight under Field Conditions: Dr. Julie Pasche, NDSU.* Dr. Pasche presented the board with her proposal. This project will evaluate the efficacy of non-traditional foliar applied compounds for the control of CBB in dry beans under ND growing conditions. Results obtained from these trials will be utilized to develop disease management recommendations to growers. Funding requested is for \$12,270 which is 50% of the total costs for the three locations. The other 50% has been requested from the Northharvest Bean Growers Association.
- G. *Tough Herbicide for Use in Chickpea: Crop Tolerance, Weed Control, and Optimizing Effectiveness: Dr. Brian Jenks.* Dr Jenks present the board with his proposal. This project will focus on the use of Tough for postemergence weed control in chickpea production. Research will determine chickpea tolerance and weed control with various rates of Tough 2. Determine the effect of adjuvants on chickpea tolerance and week control and determine the effect of water volume on chickpea tolerance and weed control. The funding request is for \$24,000 for research to be conducted at Minot and Hettinger. Funding from Northern Pulse Growers Association has been requested for a similar research in lentil.

Brandenburg moved to fund all seven proposals. Motion was seconded by Nelson. Those in favor: Buxa, Weckely, Brandenburg, Nelson, Wanzek, Bodine. Those opposed: none. Motion carried.

H. *Dan Wogsland, Executive Director of the North Dakota Grain Growers Association* presented a harmonization grant request for \$14,780.48 to defer costs associated with Reverse E-tour. Wogsland explained that the E-tour is an opportunity for the Grain Growers to host staff members from EPA's Office of Pesticide Programs to discuss North Dakota pesticide issues, showcase North Dakota agriculture, and build relationships with EPA. Eight individuals participated in the 2016 E-Tough. Wogsland also thanked the NDDA staff and Board members who participated in the tour.

Brandenburg moved to fund ND Grain Growers. Motion was seconded by Wanzek. Those in favor: Buxa, Weckely, Brandenburg, Nelson, Wanzek, Bodine. Those opposed: none. Motion carried.

VI. Old Business. None

VII. New Business. None

Board members discussed the need to meet again in December. Topp adjourned the meeting.