

District 4 Initial Private Applicator Training

March 5, 2024

Dry Prairie Rural Water, 5808 MT-16 Culbertson MT 59218

Register by March 1, 2024

406-787-5312 or wbecker@montana.edu

- 7:45 a.m. to 8:00 a.m.: Registration
- 8:00 a.m. to 8:30 a.m.: Private Applicator License

Speakers: Christina Murphy, MSU Extension PAT Coordinator (Phillips County)
Tandi Kassner, MSU Extension PAT Coordinator (McCone County)

Applicators will learn what pesticides are, the difference between general use and restricted use pesticides, the importance of the license number, how to stay certified, pesticide fees, and what you can and can't do with your license.

- 8:30 a.m. to 8:45 a.m. Tribal License

Speaker: Wendy Becker, MSU Extension PAT Coordinator (Roosevelt County)

This topic will cover the Tribal License, how to apply for it, and the laws regarding pesticide applications on Montana tribal lands.

- 8:45 a.m. to 9:15 a.m.: Reading the Pesticide Product Label

Speaker: Jack Bazemore, MSU Extension PAT Coordinator (Sheridan County)

This will cover the importance of reading the label and how to understand the label. The presentation will cover active versus inert ingredients, signal words, restricted entry interval, product rates, pesticide storage, disposal information, and importance of crop and site locations.

- 9:15 a.m. to 9:30 a.m.: Break
- 9:30 a.m. to 10:30 a.m.: Integrated Pest Management

Speaker: Marley Voll, MSU Extension PAT Coordinator (Richland County)

This section includes the definition of IPM and its benefits. Applicators will learn about economic thresholds and economic injury levels. The presentation will also cover monitoring techniques, pest identification, control methods (chemical, cultural, biocontrol, transgenic, and mechanical), and resistance management.

- 10:30 a.m. to 12:00 p.m.: Calibration of Pesticide Spray Equipment

Speaker: Cecil Tharp, MSU Extension Pesticide Education Specialist

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Applicators will determine output of sprayers (GPA) and nozzle output. Other topics will be how to read a nozzle specification sheet, understand the effects of speed and pressure, how many acres can you spray with a given volume, how much pesticide product to add to the tank, how much pesticide solution do you add to the tank, and using calibration formulas to help you keep pesticide records.

- 12:00 p.m. to 1:00 p.m.: Lunch
- 1:00 p.m. to 2:30 p.m.: Pesticide Safety and PPE

Speakers: All MSU Extension PAT Coordinators (Marley, Wendy, Jack, Inga, Shelley, Tandi, Christina)

Pesticide safety covers acute and chronic toxicity, the four routes of exposure, pesticide formulations, applicator safety, liquid versus dry formulations, LD50, signal words, and how the human body processes toxic substances. Additional topics include personal protective equipment (PPE), laundering clothing, proper storage, and procedures for poisoning.

- 2:30 p.m. to 3:30 p.m.: Pesticide Laws and Regulations

Speaker: Diana DeYoung, Montana Department of Agriculture

This presentation will cover the Worker Protection Standard (WPS), Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), Montana Pesticides Act, Montana Pollutant Discharge Elimination System, and other Montana laws and regulations. Includes information on recordkeeping of pesticide applications.

- 3:30 p.m. to 4:30 p.m.: Environmental Fate

Speaker: Shelley Mills, MSU Extension PAT Coordinator (Valley County)

Applicators will learn pesticide properties and how they depend on and react to environmental conditions such as humidity, wind, and temperature. Applicators will cover topics including contamination, drift, volatilization, persistence, and pesticide degradation in the soil. Applicators will learn how to mitigate the impacts, including soil and pesticide properties, pesticide movement and drift.

- 4:30 pm to 5:15 pm: Review and Exam – Wendy Becker, MSU Extension PAT Coordinator (Roosevelt County)
- 5:15 pm: Adjourn