

Private Pesticide Applicator Initial Training

Tuesday, May 2, 2017

Montana ExpoPark's Paddock Club| Great Falls, MT

RSVP to the MSU Cascade County Extension Office by April 25, 2017 at (406) 454-6980.

- 8:30 a.m. Registration**
- 9:00 a.m. Private Applicator License; Kari Lewis, MSU Glacier County Extension**
Applicators will learn what pesticides are and the difference between general use and restricted use pesticides. Kari will inform applicators on the importance of license number and how to keep certified. She will also describe where pesticide fees go and what applicators can do with their licenses.
- 9:30 a.m. Pertinent Pesticide Laws; Shaelyn Meyer, MSU Pondera County Extension**
Shaelyn will talk about 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. She will review the federal recordkeeping requirements and what key elements you need to record as well as how to use calibration formulas to help you keep accurate records.
- 10:30 a.m. Integrated Pest Management; Tyler Lane, MSU Chouteau County Extension**
What is Integrated Pest Management and what are the 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.
- 11:30 a.m. Lunch**
- 12:00 p.m. Pesticide Safety; Jesse Fulbright, MSU Liberty County Extension**
Pesticide safety covers acute and chronic toxicity, the four routes of exposure, pesticide formulations, applicator safety, liquid versus dry formulations, LD50, signal words, how the human body processes toxic substances, protection, personal protective equipment (PPE), laundering pesticide contaminated clothing, proper pesticide storage, triple rinse, disposal of empty pesticide containers and excess pesticides, and procedures for poisoning.
- 1:00 p.m. Reading the Pesticide Product Label; Kim Suta, MSU Toole County Extension**
Kim will present different why the label is important. The presentation will go over active versus inert ingredients, signal words, restricted entry interval, product rates, pesticide storage, disposal information, and importance of crop and site locations.
- 2:00 p.m. Break**
- 2:15 p.m. Calibration of Backpack, Boom, and Broadjet Sprayers; Cecil Tharp, MSU Extension Pesticide Education Specialist**
Cecil will help applicators 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. He will wrap up his presentation with calibration exercises and useful conversions (pints to ounces, gallons to ounces, etc.).
- 3:15 p.m. Pesticides in the Environment: Movement and Degradation; Brent Roeder, MSU Teton County Extension**
Applicators will learn pesticide properties in regards to environmental contamination. They will also learn key words such as solubility, adsorption, drift, volatilization, and degradation. The presentation will also cover how pesticides behave in the soil (leaching, runoff, and groundwater contamination) and how nozzles and pressure contribute to drift. Other pest and pesticide related topics of local interest will be covered.
- 4:15 p.m. Montana Private Applicator Certification Review and Exam; Rose Malisani, MSU Cascade County Extension**
- 4:45 p.m. Adjournment**

MSU Extension is an ADA/EO/AA/Veteran's Preference Employer and Provider of Educational Outreach. If you require accommodation for a disability to participate, please notify your local extension office.

