



Private Pesticide Applicator Initial Training
April 25, 2018 | Montana ExpoPark's Paddock Club | Great Falls, MT
Price is \$35 which includes class materials and roast beef lunch.

RSVP to the MSU Cascade County Extension Office by April 20, 2018 at (406) 454-6980.

- 8:30 a.m. Registration**
- 9:00 a.m. Private Applicator License; Kari Lewis, MSU Glacier County Extension (30 minutes)**
Pesticide definition, classifications, importance of the pesticide license number, recertifying, pesticide fees, rules, and restrictions.
- 9:30 a.m. Reading the Pesticide Product Label; Kari Lewis, MSU Glacier County Extension (30 minutes)**
How and when to utilize the pesticide product label, active versus inert ingredients, signal words, restricted entry intervals (REI), pesticide product rate (going above or below product rate), pesticide storage, disposal, and importance of crop/site locations.
- 10:00 a.m. Break**
- 10:15 a.m. Pesticide Safety; Rose Malisani, MSU Cascade County Extension (90 minutes)**
Toxicity definition (acute versus chronic), four routes of exposure, pesticide formulations, applicator safety (liquid versus dry formulations), LD₅₀, signal words, how humans process toxic substances, personal protective equipment (PPE), laundering pesticide contaminated clothing, proper pesticide storage, procedures in event of poisoning, and sprayer/equipment cleaning.
- 11:45 a.m. Lunch**
- 12:10 p.m. Integrated Pest Management; Tyler Lane, MSU Chouteau County Extension (60 minutes)**
Integrated pest management definition, benefits of integrated pest management, economics thresholds, economic injury levels, monitoring techniques, pest identification, control methods (chemical, cultural, biocontrol, transgenic, and mechanical), resistance, and resistance management.
- 1:10 p.m. Pesticide Laws; Kim Woodring, MSU Toole County Extension (60 minutes)**
Worker Protection Standards (WPS), FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act, Montana Pesticides Act, Montana laws/regulations, Montana Pollutant Discharge Elimination System (MPDES), federal recordkeeping requirements (key elements you need to record and how to use calibration formulas to help you keep accurate records.)
- 2:10 p.m. Break**
- 2:30 p.m. Pesticides in the Environment; Adriane Good, MSU Pondera County Extension (60 minutes)**
Pesticide properties regarding environmental contamination, solubility, adsorption, drift, valorization, leaching, runoff, water contamination, degradation, pesticide behavior in soil, and how nozzles/pressure contribute to drift.
- 3:30 p.m. Calibration of Backpack, Boom, and Broadjet Sprayers; Cecil Tharp, MSU Extension Pesticide Education Specialist (90 minutes)**
Determine output of sprayers (GPA), determine nozzle output, how to read a nozzle specification sheet, understanding the effects of speed and pressure, how many acres can you spray with a given volume, how much pesticide product do you add to the tank, how much pesticide solution do you add to the tank, useful conversions (pints to ounces, gallons to ounces, etc.), using calibration formulations to help you keep pesticide records, and calibration exercises.
- 5:00 p.m. Applicator Certification Review and Exam; Rose Malisani, MSU Cascade County Extension**

5:30 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 MSU Cascade County Extension at (406) 454-6980.