

Private Pesticide Applicator Initial Training

April 18, 2022

White Sulphur Springs School | Multi-Purpose Gym | 405 S Central Ave | White Sulphur Springs, MT

The cost of the training will be \$25 which includes training materials and lunch. New applicators will need to fill out a new applicator permit with \$36 fee (if within district 2) and mail to Montana Department of Agriculture.

Registration due to the MSU Meagher County Extension office by April 4 at (406) 547-3042.

- 8:00 a.m. Registration**
- 8:30 a.m. Montana Private Applicator License (30 minutes)**
Makayla Paul, MSU Meagher County Extension
Pesticide definition, classifications, importance of the pesticide license number, recertifying, pesticide fees, rules, and restrictions.
- 9:00 a.m. Reading the Pesticide Product Label (30 minutes)**
Matt Deaton, Montana Department of Agriculture
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.
- 9:30 a.m. Pesticide Laws (60 minutes)**
Theresa Schrum, Montana Department of Agriculture
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.)
- 10:30 a.m. Break**
- 10:45 a.m. Pesticide Safety (90 minutes)**
Cecil Tharp, MSU Extension Pesticide Education Specialist
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.
- 12:15 p.m. Lunch**
- 12:45 p.m. Integrated Pest Management (60 minutes)**
Allison Kosto, MSU Broadwater County Extension
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.
- 1:45p.m. Pesticides in the Environment (60 minutes)**
Cecil Tharp, MSU Extension Pesticide Education Specialist
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.
- 2:45 p.m. Break**
- 3:00 p.m. Calibration of Backpack, Boom, and Broadjet Sprayers (90 minutes)**
Rose Malisani, MSU Cascade County Extension
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.
- 4:30 p.m. Applicator Certification Review and Exam; Makayla Paul, MSU Meagher County Extension**
- 5:00 p.m. Adjournment**