

Private Pesticide Applicator Initial Training

April 21, 2022

Stanford City Hall | 102 Central Ave. | Stanford, MT

Current pesticide applicators do not need to order training materials which include the core manual and addendum, but it is required for new applicators to receive a set for reference. Manuals will be available at the PAT event for individuals desiring a license. To obtain a private applicator license individuals will be qualified to receive their private applicator license if they pay the \$12 license fee.

Registration due to the MSU Extension Judith Basin County office by April 19 at (406) 566-2277 Ext 104 & 105.

- 8:30 a.m. Registration**
- 9:00 a.m. Montana Private Applicator License (30 minutes)**
Makayla Paul, MSU Extension-Meagher County
 Pesticide definition, classifications, importance of the pesticide license number, recertifying, pesticide fees, rules, and restrictions.
- 9:30 a.m. Reading the Pesticide Product Label (30 minutes)**
Colleen Pegar, MSU Extension-Hill County
 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 (90 minutes)**
Amy Bowser, MSU Extension Pesticide Education Technician
 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 Provided**
- 12:10 p.m. Integrated Pest Management (60 minutes)**
Tyler Lane, MSU Extension-Chouteau County
 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 (60 minutes)**
Cecil Tharp, MSU Extension Pesticide Education Specialist
 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 (60 minutes)**
Amy Bowser, MSU Extension Pesticide Education Technician
 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 (90 minutes)**
Cecil Tharp, MSU Extension Pesticide Education Specialist
 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; Katie Hatlelid, MSU Extension – Judith Basin County**
- 5:30 p.m. Adjournment**