

LARAMIE COUNTY WEED & PEST

LCWP HAPPENINGS

www.laramiecountyweedandpest.com

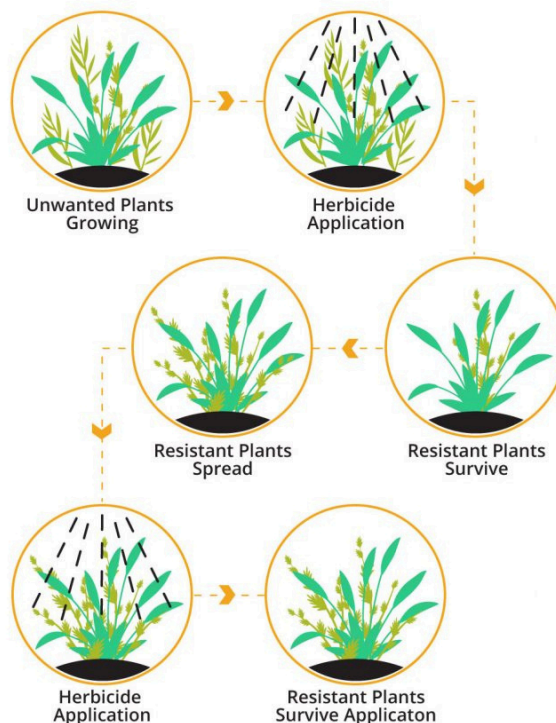
HERBICIDE RESISTANT WEEDS

Have you ever noticed herbicidal treatment becoming less and less effective year after year? If you have been using the same herbicide/chemical composition for repeated treatments, this may be where the problem lies.

There are many methods that can be implemented in order to improve efficacy of your applications. Educating yourself on different modes of action and developing a treatment plan that alternates between different ones year to year can reduce the likelihood of herbicide tolerance in weeds.

The implementation of IPM (integrated pest management) can also generate more successful applications. An example for grazing land could be implementing grazing rest-rotation, allowing desirable species a longer recovery period. Cattle will select desirable species over weedy species when grazing. When weedy species are not being selected for in management practices, it allows the populations to flourish. Another good management practice is to only purchase weed-free certified hay, therefore limiting the introduction of further weed species.

HOW HERBICIDE RESISTANCE DEVELOPS



HERBICIDE MODES OF ACTION

Herbicide MOA (Modes of Action) describe how herbicides affect a plant at the cellular or tissue level.

- **Growth regulators** - AKA "synthetic auxins", often used to control broadleaves
- **Photosynthesis inhibitors** - prevent photosynthesis, cut off food source to plant
- **Amino acid synthesis inhibitors** - prevents production of plant growth by inhibiting amino acids
- **Pigment-synthesis inhibitors** - prevent pigment reduction, reduces ability to photosynthesize
- **Cell-membrane disrupters** - These herbicides disrupt the structure of a plant's cell membrane

BOARD MEETINGS

January 9th 2025 @ Archer 6:30 pm

February 6th 2025 @ Archer 6:30 pm

March 6th 2025 @ Archer 6:30 pm

OFFICES CLOSED

January 20th 2025 - Martin Luther King Jr Day

February 17th 2025 - President's Day

CONTACT US

Pine Bluffs (Main)

801 Muddy Creek Drive
Pine Bluffs, WY 82082
(307)-245-3213

Archer

13887 Bullseye Blvd.
Cheyenne, WY 82009
(307)-634-5348

Website: laramiecountyweedandpest.com

Facebook: @ Laramie County Weed & Pest District

E-mail: larcoweed@rtconnect.net