

PEA LEAF WEEVIL AND PEA WEEVIL: LIFE CYCLE AND CONTROL USING MUSTANG® MAXX AND HERO® INSECTICIDES



Pea Leaf Weevil

Life cycle on field peas: Adults overwinter under vegetation in old alfalfa and clover fields or in waste areas. Adult activity and egg laying begin in mid-March through mid-April to early May. Eggs are scattered on the soil surface near plants and hatch in 16-18 days. Larvae move into the soil to feed on root nodules and feed for 20-40 days, then pupate in the soil. Adults emerge in July and August, disperse to other legumes and either feed or summer hibernate (aestivate) before overwintering. There may be activity during mild weather in the fall and winter. There is one generation each year.

Adults chew half-circle notches out of leaf margins, and larvae feed on rhizobial root nodules. Seedlings are very susceptible to injury and may be killed if the growing tip is damaged. Damage also may occur later in the year by larvae feeding on the roots of plants, particularly on root nodules

Economic threshold is reached when 30% of the plants have half-moon-shaped feeding notches on the clam leaves i.e., most recently emerging leaves that are folded together.

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Pea Leaf Weevil
(Stripes on Body and Antennae)

Pea Weevil
(4 white spots)



the egg but do not contact the exposed surface of the pod. The tiny larvae enter a seed and feed for five to seven weeks, in which time they grow to occupy much of the seed. The larvae pupate in the seed. Pupation usually occurs after harvest. The pupa develops into the adult, usually during the time when the grain is put into storage. Adults emerge over several months starting in mid-December.

Adult beetles fly to hibernation sites, which may include sheds, silos and grain bins, under the bark of trees, particularly pines and in cracks and crevices in posts. They remain in hibernation during summer, autumn and winter. The average life cycle of the pea weevil takes 60 days to complete the generation.

Katie Kratky
Montana and Wyoming
406-320-2239
kathryn.kratky@fmc.com

Carmine Tyler
N. Idaho, E. Washington
and E. Oregon
208-596-0206
carmine.tyler@fmc.com

Jeff Wynn
S. Idaho, Nevada, Utah
208-705-3999
Jeffery.Wynn@fmc.com

Kris Thomas
Columbia Basin
509-906-0375
Kris.Thomas@fmc.com

Authored by
Kirk A. Sager
509-770-0302
kirk.sager@fmc.com
Technical Sales Manager

Mustang® Maxx and Hero® Insecticides

Pea Leaf Weevil

- Adults only feed on leaf margins.
- Larvae feed on roots.
- Treat when present.
- Treat when applying grass herbicide.
- Product of choice: Mustang® Maxx insecticide
- Capture® LFR® insecticide and Ethos® XB insecticide/fungicide will help control larvae.

Mustang Maxx Insecticide Requirements

- Use rate: 4.0 fl. oz.
- Apply in a minimum of 2 gallons of finished spray per acre by air or in a minimum of 10 gallons per acre with ground equipment.
- REI: 12 hrs.
- PHI: 21 days
- Do not make applications less than five days apart.

Pea Pod Weevil

- Adults feed on leaves, lay eggs on pods.
- Treat prior to infestation approximately 10% bloom.
- Treat at first bloom to control adults.
- No control of larvae.
- Product of choice: Hero® insecticide

Hero Insecticide Requirements

- Use 10.3 fl. oz.
- Apply in a minimum of 2 gallons of finished spray per acre by air or in a minimum of 10 gallons per acre with ground equipment.
- REI: 12 hrs.
- PHI: 21 days
- Do not make applications less than seven days apart.

Pea Leaf Weevil

