






Technical Bulletin for: Hessian Fly

Mayetiola destructor (Say) • Diptera, Cecidomyiidae • MAYDES



DISTRIBUTION	Native to Asia, invasive to North America and Europe.
HOSTS	Cereal crops including wheat, barley and rye.
DESCRIPTION	
Adult Moth	The adult is about 4 mm long, with a dark-red body and black wings, legs as long as or longer than body.
Larvae	The young larva is orange-red, later becoming white with a green stripe along its body, about 4-5 mm long.
Eggs	Reddish in color
LIFE HISTORY	There are usually two generations a year but may be up to five. In the spring the dark-colored female lays about 250 to 300 eggs on plants, usually where the stems are covered by leaves; the larvae feed on the sap and weaken the plants so that they cannot bear grain. They pupate within a protective structure, the flaxseed; the emerging adults are weak fliers and live only for 2-4 days.

MONITORING INFORMATION

LURE ACTIVE INGREDIENTS, SUBSTRATE & FIELD LIFE	(2S,8E,10E)-8,10-tridecadien-2-yl acetate in a plastic vial. Lure longevity: Thirty (30) days. 
TRAP TO USE	Jackson Trap + Sticky insert.  
MONITORING STRATEGY	Hang traps at the edges of a field. When trapping for multiple different species, space traps by at least 20 m. Check with Cooperative Extension or Master Gardener for local information and recommendations.
CULTURAL & PHYSICAL CONTROL	Hand-picking the insects off the plants, dropping into soapy water to drown them.

Alpha Scents, Inc.
insect monitoring systems

Alpha Scents, Inc., 360 S. Sequoia Pkwy. Canby, OR 97013
TEL: 503-342-8611 • FAX: 314-271-7297 • sales@alphascents.com • www.alphascents.com