



Technical Bulletin for:

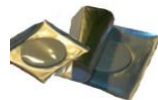


Flea Beetle

Phyllotreta spp (Goeze et. al) • Coleoptera, *Chrysomelidae* • PHYLLO



DISTRIBUTION	Worldwide
HOSTS	Species of Brassica, including Cabbage, Broccoli, Kale.
DESCRIPTION	
ADULT	Shiny black in color, about 2 mm in length.
LARVAE	
EGGS	
LIFE HISTORY	Adults overwinter outside the field in woods or hedgerows and move into the field in early-May. Adults mate and lay eggs singly or in groups of 3-4 in soil at base of plant. Eggs hatch in 11-13 days (at 77°F). Larvae emerge and feed on root hairs for 25-30 days, then pupate for 10-15 days before re-emerging as adult beetles in late-June. There are at least two generations per year, with the second-generation adults emerging in late-July.

MONITORING INFORMATION

LURE ACTIVE INGREDIENTS, SUBSTRATE & FIELD LIFE	Allyl-isothiocyanate in a coaster lure packet. Lure Longevity: 30 days.	
TRAP TO USE	Yellow card, Double-sided and Back-folded	 
MONITORING STRATEGY	Hang traps just before the first adults emerge, checking weekly and replacing the lure as necessary after four weeks. Check with Cooperative Extension or Master Gardener for local information and recommendations.	
CULTURAL & PHYSICAL CONTROLS	Break the cycle. Plant spring crops as far as possible from last season's fall brassica crops. Separate early and late-season brassica crops. Trap cropping, planting delay, row covers/insect netting, crop residue destruction, and adequate watering and nutrient provision are also effective.	

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