



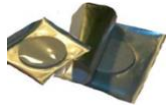


# Technical Bulletin for: Harlequin Bug

*Murgantia histrionica* (Hahn) • Hemiptera, *Pentatomidae* • MURHIS



<b>DISTRIBUTION</b>	Native to Mesoamerica, invasive to North America
<b>HOSTS</b>	Cabbage, species of spider flower, broccoli, kale, turnip, radish, horseradish, mustard and rapeseed
<b>DESCRIPTION</b>	
<b>Adult Moth</b>	Black, brilliantly marked with red, orange, yellow and white markings, 7.5-11.5 mm in length
<b>Larvae</b>	Initially pale orange with a brown head and brown stripes, later turning black with yellow and white markings.
<b>Eggs</b>	Black-and-white striped and barrel-like laid in clutches of twelve.
<b>LIFE HISTORY</b>	Harlequin bugs reproduce rapidly, and females mate multiple times with many males before laying up to 149 eggs per female. Adult Harlequin bugs are dormant during the winter and become active when temperatures rise in early spring. They go through three or more generations in the southern U.S., but usually only one generation in the northern states. Eggs are laid in their aforementioned clutches on the underside of leaves. When the eggs hatch, the nymphs go through about half a dozen instars to reach maturity. This takes between one and two months. At about nine weeks of age, the nymphs are fully mature and can reproduce.

## MONITORING INFORMATION

<b>LURE ACTIVE INGREDIENTS, SUBSTRATE &amp; FIELD LIFE</b>	Murgantiol in a Coaster Lure Packet. Lure longevity: Thirty (30) days.	
<b>TRAP TO USE</b>	Brown Marmorated Stink Bug Trap or clear 12x12" sticky trap	 
<b>MONITORING STRATEGY</b>	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.	
<b>CULTURAL &amp; PHYSICAL CONTROL</b>	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