

Specifications & Sources of Pheromone Traps Used in Sweet Corn Pest Management

Traps for corn earworm & European corn borer:

- plastic mesh 'Scentry Heliothis trap' (manufactured by Scentry Biologicals, Inc.)
 - trap is re-useable for several years
 - cost is \$54 - \$99 per trap
 - available singly or in case of five, from Great Lakes IPM and Gempler's
 - optional to buy a spare top; cost is \$17 - \$29
- if monitoring both corn earworm & European corn borer, get a separate trap for each species
- for best pest management information, get two traps per species per farm
- alternative: build your own 'Texas' or 'Hartstack' trap from metal hardware cloth; see instructions at: <http://www.ca.uky.edu/entomology/entfacts/ef010.asp>

Lures for corn earworm & European corn borer:

- lures for European corn borer come in 2 formulas
 - most Ohio growers should use the 'Iowa' type lure (also known as the Z-strain)
 - most Ohio growers do *not* need the 'New York' type lure (also known as the E-strain)
 - in NE Ohio near the Pennsylvania line, a trap with each strain should be used
- recommended brand for both species: 'Hercon Luretape' lures made by **Hercon**
 - corn earworm lure ('Zealure') is flat, 1-inch rectangle
 - European corn borer lure is cylindrical, about ½-inch long
 - cost is \$17 for a packet of 10 Hercon lures; available from Great Lakes IPM
- also available: lures by **Trécé** Inc. or **Scentry**, available for both species
 - cost is \$1.75 - 3.25 per lure, available singly or in pack of 25 (Trécé) or 12 (Scentry)
 - available from Great Lakes IPM and Gempler's
- change lures every 2-4 weeks:
 - corn earworm: every 2 weeks
 - European corn borer: every 4 weeks

Traps for fall armyworm:

- universal moth trap (also known as unitrap or bucket trap)
 - use the all-green model for fall armyworm (yellow/white/green for other species)
 - cost is \$10 - \$26 per trap; available from Great Lakes IPM and Gempler's
- put a fumigant strip in each trap, such as 'Hercon Vaportape' (contains DDVP)
 - replace fumigant every 4-8 weeks
 - cost is \$1.20 – \$3.55 per strip (1" x 4"), from Great Lakes IPM and Gempler's

Lures for fall armyworm:

- change lures every 4 weeks
- recommended: 'Hercon Luretape' lures made by Hercon
 - cost is \$16 for a packet of 10 lures, available from Great Lakes IPM
- also available: lures by Trécé Inc. or Scentry
 - cost is \$1.80 – \$2.50 per lure, from Great Lakes IPM and Gempler's

Suppliers:

- Great Lakes IPM: 10220 E Church Road, Vestaburg MI 48891
phone: (989) 268-5693 or (800) 235-0285; fax (989) 268-5311
internet: www.greatlakesipm.com
e-mail: glipm@greatlakesipm.com
- Gempler's: P.O. Box 5175, Janesville WI 53547-5175
phone: 800-382-8473; fax 800-551-1128
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