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-usable 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
  internet: www.gemplers.com
  e-mail: customerservice@gemplers.com