

## Scouting for Corn Rootworm Beetles with Sticky Traps

### Estimating Rootworm Populations

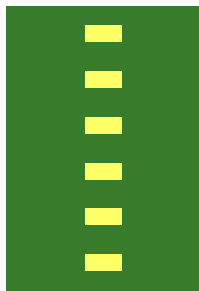
- Counting corn rootworms in the summer allows growers to make better informed decisions regarding management options the following season
- Pioneer and university research has shown that yellow sticky traps are an easy, convenient, and reliable method for estimating corn rootworm populations within a cornfield

### Use Yellow Sticky Traps

- PHEROCON® AM/NB traps\*** (no bait) are the preferred product for trapping corn rootworm adults
- Trapping should begin at the blister stage (R2) after silking
- Count the beetles on each trap at 7-day intervals
  - If the count averages more than 50 beetles, no more trapping is needed
  - If the beetle count is below a 50 beetle per trap average, place new traps in the field and continue another 7 days
  - Continue trapping for 4 weeks, or until traps average >50 beetles per trap, whichever comes first

### Trap Placement

- Place 6 traps per field, arranged down one row and the length of the field
- Traps should be at least 100 feet from the edge; beetle populations at field edges may not accurately represent the overall field population
- Attach the trap to the stalk directly above the ear
- Fold the trap with the sticky side out around the stalk and fasten using a twist tie; lock the trap tab in the lower corner of the trap
- Remove nearby leaves that may get caught on the trap
- Mark the row where the traps are located



Pherocon® AM/NB traps\* are used to sample for corn rootworms. Proper placement is at corn ear height.

\*DuPont Pioneer is not the supplier of PHEROCON® AM/NB (no bait) traps, makes no warranties, express or implied, relating to their accuracy, performance, suitability, or merchantability.



For further assistance please refer to Great Lakes IPM, INC. at 1-800-235-0285 or <http://www.greatlakesipm.com/trecetraps.html> for item # TR-330650.

### Corn Rootworms Identification



western corn rootworm



northern corn rootworm

Contact your local DuPont Pioneer sales professional for best management practices for corn rootworm

### Action Thresholds

Traps average <21 beetles per trap per week

- Low** rootworm populations anticipated next year
- Select an option for low populations:
  - Rotate to another crop
  - Plant non-Bt rootworm product with P1250
  - Plant non-Bt rootworm product with soil insecticide
  - Plant corn rootworm Bt corn product

Traps average 21-50 beetles per trap per week

- Moderate** rootworm populations anticipated next year
- Select a control option for moderate populations:
  - Rotate to another crop
  - Plant corn rootworm Bt corn product
  - Apply soil insecticide at planting for larvae
  - Apply foliar insecticide in the current year to control adult beetles prior to egg-laying

Traps average >50 beetles per trap per week

- High** rootworm populations anticipated next year
- Select a control option for high populations:
  - Rotate to another crop (best for soybean variant beetles or extended diapause beetles)
  - Apply foliar insecticide in the current year to control adult beetles prior to egg-laying and use a rootworm resistant Bt corn or soil-applied insecticide the following year
  - Plant corn rootworm Bt corn product and consider adding a soil-applied insecticide
  - Use a pyramided corn rootworm Bt product; if in Cry3Bb1 or mCry3A problem areas, consider adding a soil-applied insecticide

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