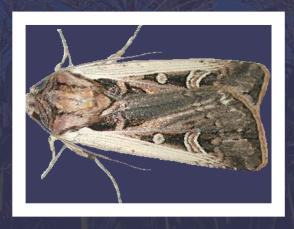
Insect Surveys 2008













ECB Survey Summary

State Average # Borers per Plant:

2008 0.09

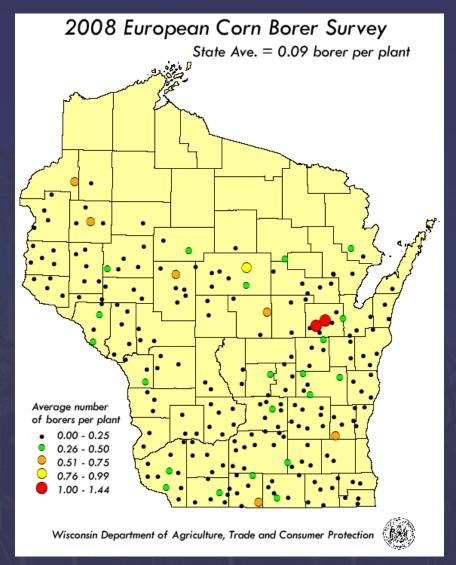
2007 0.31

10-year 0.31

50-year 0.46

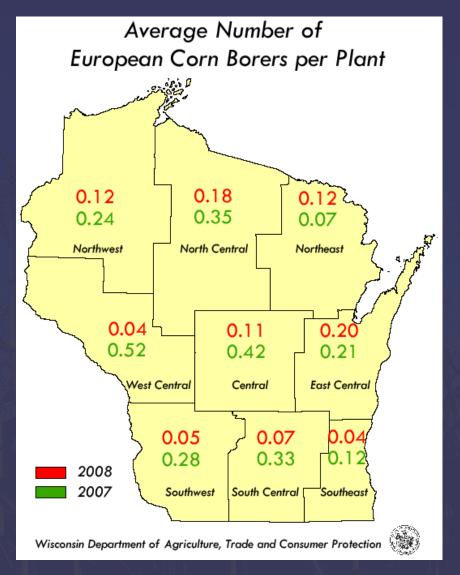
Threshold 1.00

 Third lowest fall population since surveys began in 1942

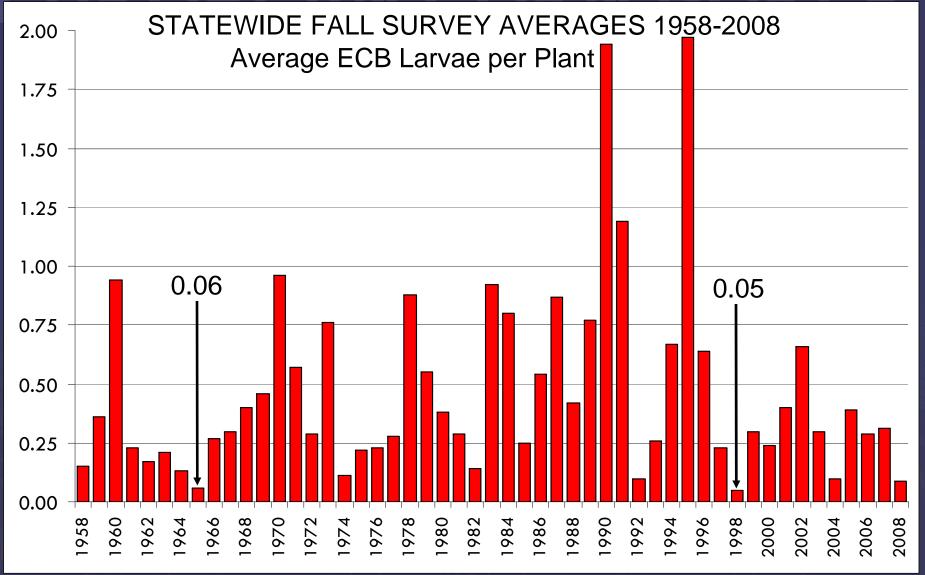


District ECB Averages

- Population decreases recorded in all but the northeast district
- 99% of the fields had ECB densities < 1.0 per plant
- 1% of the fields had ECB densities > 1.0 per plant



CHOODEAN CODN BODED



Outlook for ECB in 2009

- EXTREMELY low overwintering population
- VERY light first flight of moths expected next May-early June



CRW Beetle Survey

- August 5 to Sept 5 2008
- Total of 229 corn fields
- Statewide Average # Beetles per Plant:

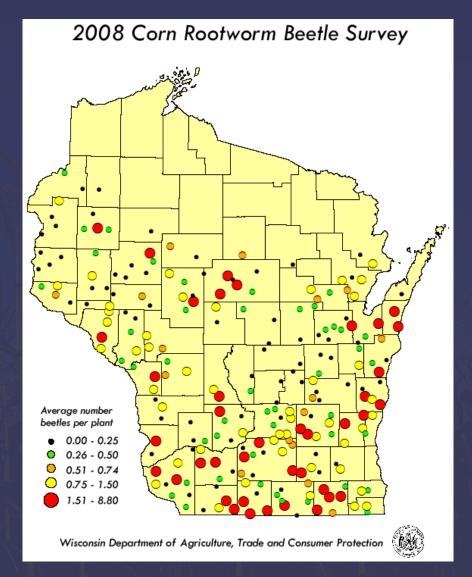
2008 1.0

2007 1.0

2006 1.4

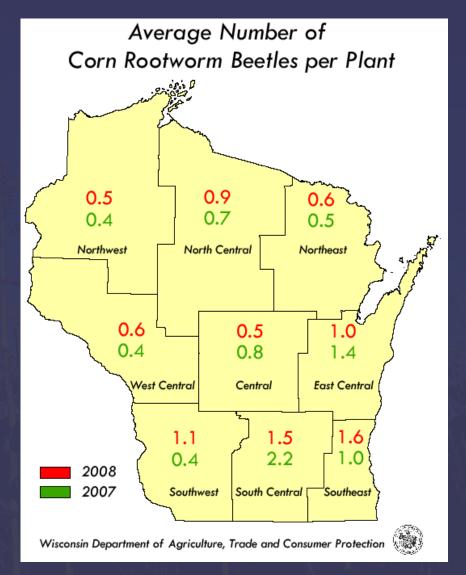
Threshold 0.75

38% of sites with averages> 0.75 beetle per plant



CRW Beetle Survey

- Heavy CRW beetle populations found in 2008, particularly in the SW, SC, SE, EC and NC districts
- Largest population increases in the SW and SE districts



Mobile Testing for BT-ROOTWORM Corn



MOBILE LAB



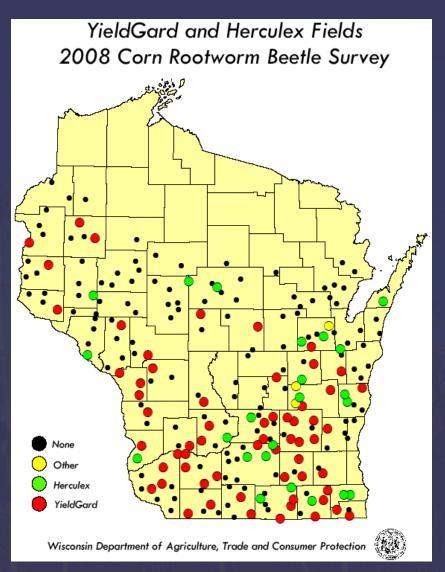
LEAF SAMPLES



TEST STRIPS

CRW Beetle Survey

- Bt-rootworm sites increased from 27% in 2007 to 40% in 2008
- 28% tested + for YieldGard[®]
 Bt-Cry3b1 protein
- 11% tested + for Herculex[®]
 Bt-Cry34/35Ab1 protein
- 1% tested + for Agrisure[®]
 mBt-Cry3A protein



Outlook for CRW in 2009

- HIGH RISK areas in SW, SC, SE, EC and NC districts
- Options for corn growers in these areas include:

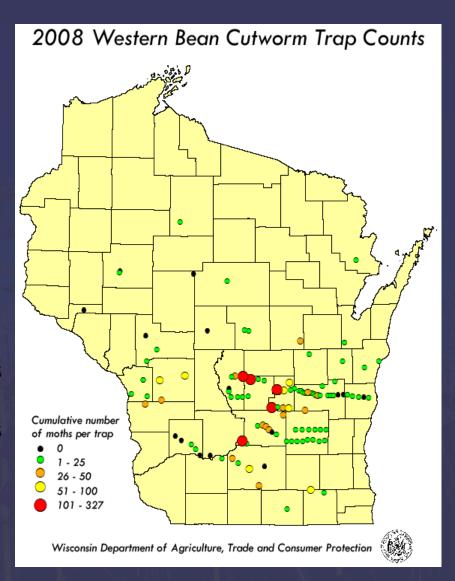
Crop rotation
Bt-rootworm hybrid
Seed treatment
CRW soil insecticide





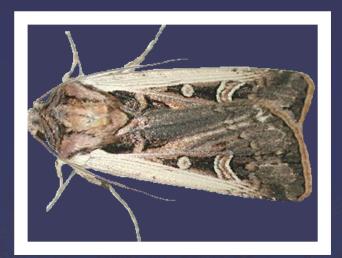
WBCW Trapping Survey

- 112 milk carton pheromone traps set in 2008
- First moth captured on July 2 compared to June 20 in 2007
- 76% of traps caught 0-25 moths
- 20% of traps caught 26-100 moths
- 4% of traps caught 101-327 moths
- Total of 2,433 WBCW moths trapped in 2008



WBCW Trapping Survey

- Highest single nightly capture was 50 moths at Princeton on July 23
- Highest cumulative capture was 327 moths at Princeton in Green Lake County
- Peak flight registered from July 23 to August 6 at all sites





Outlook for WBCW in 2009

- Use degree days to anticipate adult emergence (first moth 1319 gdd)
- Begin scouting when the first moth is noticed (upper 3-4 leaves)
- Expect peak flight to occur by mid to late July
- Action threshold = 8% of plants with egg masses and/or small larvae



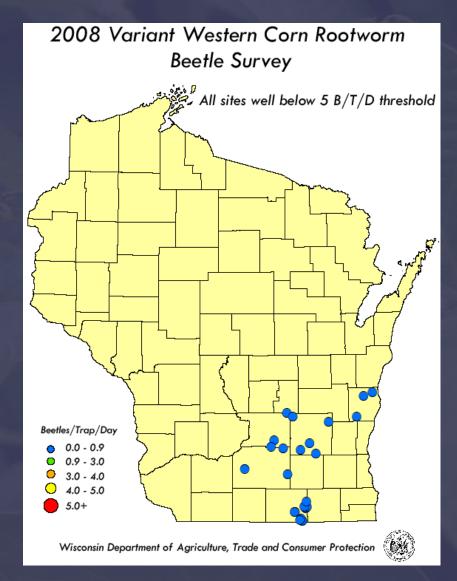
Variant WCRW Survey

- The Variant WCRW
 Network monitored 26
 soybean fields in 2008
- 12 yellow sticky traps per soybean field
- Four-week sampling period in August
- Threshold = 5 B/T/D for the four-week period



Variant WCRW Survey

- No fields with Variant WCRW populations > 5 B/T/D
- Highest average was 0.88
 B/T/D in Rock County
- Averages in Rock County fell below 5 B/T/D for second time since 2003 (in 2007 & 2008)



Outlook for Variant WCRW in 2009

- First year corn in fields monitored at LOW risk for root injury by WCRW larvae in 2009
- If you suspect VWCRW damage to first year corn, dig up plants in July to have roots assessed

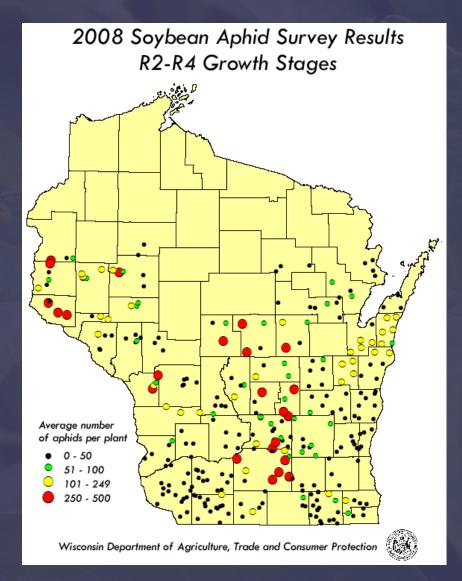


Soybean Aphid Survey

Statewide Average No. of Soybean Aphids per Plant:

2008	70
2007	164
2006	69
2005	118
2004	11
2003	758

- 79% fields with < 100 per plant</p>
- 13% fields with 101-250 per plant
- 8% fields with 251-800 per plant



Outlook for Soybean Aphid in 2009

Soybean Aphid Overwintering Flight
Suction trap counts from Sept-Oct

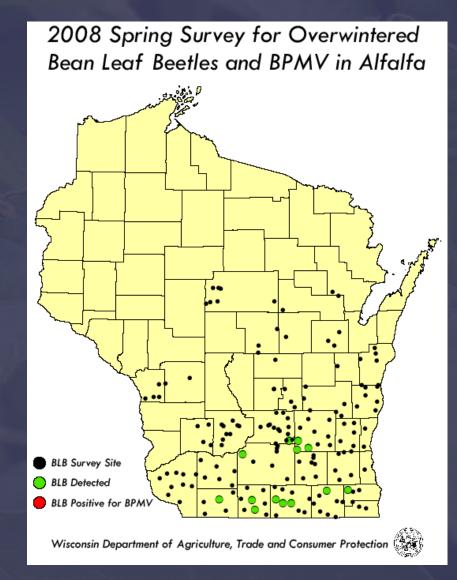
State	# Traps	2006	2007	2008
WI	7	213	17	530
MN	5	376	104	8629
IL	9	1762	31	2156
IA	4	532	9	1464
IN	6	8322	59	2614

 Heavy overwintering flight may indicate higher soybean aphid densities for 2009



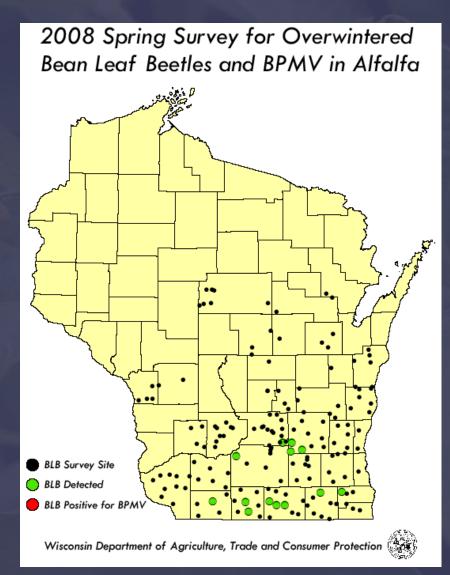
Bean Leaf Beetle Survey

- May 14 to June 4, 2008
- 167 survey sites (alfalfa fields)
- Survey detected lowest number of BLB since 2003
- Total of 21 BLB swept compared to 509 BLB in 2007
- BLB found at only 13 sites
- All BLB collected from the southern 3 tiers of WI counties



Bean Leaf Beetle Survey

- 21 BLB collected from 167
 alfalfa fields compared to
 509 BLB from 86 fields in 2007
- BLB from 0 of 167 alfalfa fields tested positive for BPMV



Outlook for Bean Leaf Beetle in 2009

- Appears to be a LOW risk for earlyseason BPMV transmission
- Scout earliest emerging soybeans for defoliation



Wisconsin Dept of Agriculture, Trade & Consumer Protection The Wisconsin Pest Bulletin



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