2007 Armyworm Insecticide Efficacy Trial - Dickinson Co., KS.

Jeff Whitworth, Department of Entomology, Kansas State University

Pest:	Armyworm, *Pseudaletia unipuncta*
Crop:	Wheat, 7 treatments
Location:	Dickinson Co., Kansas
Planting Date:	
Plot Size:	15 ft x 20 ft
Experimental Design:	Randomized Complete Block; 4 Replications
Information:	Sprayed with hand sprayer delivering 20 gal/acre at 30 psi on 05/10/07
Phytotoxicity:	none noted
Evaluation:	Counting number of armyworm/row ft in 3 different locations/plot on 05/14/07 (4 DAT), 05/17/07 (7 DAT), 05/24/07(14 DAT) and 05/31/07 (21 DAT). DAT: *Days after treatment*
Special notes:	Pre-treatment counts conducted on 05/09/07 by counting all larvae per row ft at 10 different locations. Total of 47 larvae = 4.7 larvae per row ft. (both sides of the row at the base of the plants)

2007 Armyworm Insecticide Efficacy Trial in wheat – Dickinson Co., KS.

Robert J. (Jeff) Whitworth, Department of Entomology, Kansas State University

Evaluation date: May 14, May 17, May 24, and May 31

No.	Treatment/Product Name	Total number of larvae/2 row ft			
		May 14, 2007 (4 DAT)	**May 17, 2007 (7 DAT)**	**May 24, 2007 (14 DAT)**	**May 31, 2007 (21 DAT)**
1	Untreated	7.50 ± 1.32 a	8.00 ± 0.71 a	7.25 ± 2.14 a	3.75 ± 0.48 a
2	Baythroid XL @ 2.0 fl. oz./acre	5.50 ± 0.96 ab	4.75 ± 0.85 b	4.75 ± 0.63 ab	0.50 ± 0.50 b
3	Baythroid XL @ 2.4 fl. oz./acre	3.00 ± 0.41 c	3.50 ± 0.87 b	2.25 ± 0.48 b	0.75 ± 0.75 b
4	Warrior with Zeon technology 1CS @ 2.56 fl. oz./acre	4.75 ± 0.63 bc	4.00 ± 0.71 b	3.25 ± 0.95 b	0.00 ± 0.00 b
5	Warrior with Zeon technology 1CS @ 3.84 fl. oz./acre	5.00 ± 0.82 bc	3.25 ± 0.85 b	2.25 ± 0.63 b	0.00 ± 0.00 b
6	Mustang Max @ 3.0 fl. oz./acre	6.00 ± 0.58 ab	5.50 ± 1.19 b	4.00 ± 0.82 b	1.25 ± 0.48 b
7	Baythroid XL @ 1.2 fl. oz./acre	4.75 ± 0.48 bc	5.50 ± 0.29 b	5.00 ± 0.41 ab	1.00 ± 0.58 b

Means within a column followed by the same letter are not significantly different ($P > 0.05$; PROC GLM; Mean comparison by LSD [SAS Institute 2003]).