



2013 Wheat Insecticide Efficacy Trial –
Dickinson Co., KS.

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Pest:	Aphids, various species
Crop:	Wheat
Location:	Dickinson Co., KS
Plot Size:	10 ft. x 30 ft.
Experimental Design:	Randomized Complete Block; 4 Replications
Information:	Sprayed with hand sprayer delivering 15 gal/acre at ca.30 psi on 8 June, 2013 when wheat was at Feekes growth stage 10.54.
Phytotoxicity:	None noted
Evaluation:	20 wheat heads/treatment /replication randomly selected and vigorously shaken into a Ziploc bag while pulling apart the grain on 16 June (8 DAT) when wheat was at Feekes growth stage 11.0 DAT = Days After Treatment
Special Notes:	Pre-treatment counts conducted on 8 June, 2013. Average of 6 aphids/head – primarily English grain aphids, <i>Sitobion avenae</i> .

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Treatment Date: 8 June, 2013

Sample Date: 16 June, 2013

No.	Treatment/Product Name	Aphids/20 plants (Mean ± SE)
1	Untreated	29.5 ± 2.7a
2	Endigo ZCX 2.71 @ 4 oz./a. + COC 1%	2.8 ± 0.8b
3	Quilt Xcel @ 12 oz./a. + Warrior @ 1.92 oz. + COC 1%	2.3 ± 0.3b
4	Quilt Xcel @ 12 oz. /a.	2.8 ± 0.5b
5	Cobalt Advanced @ 25 oz. /a.	2.5 ± 0.6b
6	Cobalt Advanced @ 25 oz./a. + Headline @ 9 oz. + COC 1%	3.5 ± 0.3b
7	Besiege @ 9 oz. /a.	1.8 ± 0.3b

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])

Reference to specific products is provided solely for informational purposes. Experiments with pesticides on non-labeled crops or pests is part of the insecticide registration process, it does not imply endorsement or recommendation of non-labeled uses of pesticides by Kansas State University. All pesticide use must be consistent with current labels.

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