



2009 Soybean Aphid Foliar Treatment Efficacy Trial – Saline Co., KS

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Pest: Soybean Aphid, *Aphis glycines*

Crop: Soybean; 6 treatments

Location: Saline Co., KS

Plot Size: 4 rows x 20 ft.

Plant Growth Stage: R6

Experimental Design: Randomized Complete Block; 4 Replications

Information: Sprayed by hand sprayer with ca. 20 gal H₂O/a. at 30 psi. on 26 Aug., 2009.
Pretreatment counts – Made on 26 Aug., 2009. Average of 14 aphids/plant, all consisting of small colonies on underside of leaves or on stems/ flowers.

Phytotoxicity: None noted..

Evaluation: Samples taken by counting all aphids on 4 plants randomly selected from within each plot on 30 Aug., 2009 (4 DAT)

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No.	Treatment/Product Name	Rate	Total Aphids / plant (mean ± SE)
1	Untreated	–	49.5 ± 4.5a
2	IMD + SPT	5 oz. / a	5.8 ± 2.1bc
3	IMD + SPT	6 oz. / a	2.3 ± 0.6c
4	Baythroid XL + Lorsban 48 EC	2.4 + 8 oz. / a	2.8 ± 0.3bc
5	Hero	5 oz. / a	5.0 ± 1.2bc
6	Mustang Max EC	3 oz. / a	5.5 ± 1.7bc
7	Endigo ZC	3 oz. / a	9.0 ± 1.8b

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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