Soybean Spider Mite Management Trial, 2014 – Dyna-Gro '39RY43' soybeans were planted on May 21 at the University of Delaware's Research and Education Center located near Georgetown, DE. Plots consisted of four 25 ft. long rows planted on 30 inch centers. Each treatment was replicated four times and arranged in a RCB design. Foliar treatments were applied on Jul 23 as a broadcast spray using a CO_2 pressurized back pack sprayer delivering 17 gpa @ 40 psi. Two-spotted spider mite populations were evaluated on a weekly basis from June 12 through July 28 by counting the number of mites per 20 leaflets per plot. Data were analyzed using Proc GLM and means were separated by Tukey's mean separation test (P=0.05).

Spider mite populations were low. No phytotoxicty was observed.

Treatment	Rate/Acre	Mean Number Mites per 20 leaflets[1]	
		July 21 Pre-Trt	July 28 5 DAT
Lorsban 4E	1 pt	5.50a	1.50a
Dimethoate 4E	1 pt	8.25a	3.00a
Hero EC	10.3 fl oz	13.50a	3.00a
Sniper 2 EC	6.4 fl oz	5.75a	1.75a
Agri-Mek 0.7 SC	2.5 fl oz + NIS 0.25%	17.50a	0.75a
Agri-Mek 0.7 SC	3.0 fl oz+ NIS 0.25%	8.25a	0.00a
Agri-Flex 1.55 SC	7.0 fl oz + NIS 0.25%	6.50a	0.25a
Agri-Flex 1.55SC	8.5 fl oz+ NIS 0.25%	5.75a	1.00a
Cobalt Advanced	20 fl oz/A	6.50a	0.75a
GWN 1708 1.6 SC	16 fl oz + NIS 0.25%	7.75a	0.00a
GWN 1708 1.6SC	20 fl oz + NIS 0.25%	18.75a	0.25a
GWN 1708 1.6SC	24 fl oz + NIS 0.25%	8.75a	0.00a
Zeal WSP	1 oz	8.00a	4.50a
Zeal WSP	2 oz	10.25a	0.75a
Untreated	--	4.25a	0.50a

[1] Means within a column followed by the same letter are not significantly different (Tukey's; P=0.05).

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