Two-Spotted Spider Mite Management in Soybeans - 2003: Southern States 'RT-4495' was planted on May 23 at the University of Delaware, Research and Education Center located near Georgetown, DE. Four-row, 25 ft long plots on 30-inch centers were replicated 4 times in a RCB design. Materials were applied on Aug 6. All foliar treatments were broadcast applied with a CO_2 pressurized backpack sprayer delivering 18 gpa @ 40 psi. Mite populations were evaluated on a weekly basis from June 25 through Aug 12 by collecting 10 leaflets per plot and using a mite brushing machine to determine the number of mites per leaflet. Data were analyzed using ANOVA and means were separated by Ryan's q-test (P=0.05).

Spider mite pressure was light. No significant differences were observed between the treatments and the untreated check. No phytotoxicity was observed.

Treatment	Rate	Spider Mite per 10 leaflets		
		August 4 – Pre-Count	Aug 8 - 2 DAT	Aug 12 – 6 DAT
Acramite50WP Choice + LI-700	0.75 lb/A 1 qt/100 gal 1 qt/100 gal	66.00a	3.00ab	9.00a
Acramite50WP Choice + LI-700	0.50 lb/A 1 qt/100 gal 1 qt/100 gal	33.00a	4.50ab	6.00a
Acramite 4LSC Choice + LI-700	24 oz/A 1 qt/100 gal 1 qt/100 gal	108.00a	13.50ab	3.00a
Acramite 4SL+ Choice + LI-700	16 oz/A 1 qt/100 gal 1 qt/100 gal	139.50a	27.00ab	4.50a
Capture	5.12 oz/A	49.50a	6.00ab	1.50a
Zeal	3 oz/A	159.00a	1.50ab	0.00a
Dimethoate	16 oz/A	60.00a	0.00b	1.50a
Agri-Mek.15EC	8 oz/A	52.50a	4.50ab	9.00a
Lorsban 4EC	16 oz/A	100.50a	9.00ab	3.00a
Untreated	-----	52.50a	36.00a	24.00a

Means within a column followed by the same letter are not significantly different (Ryans Q; P=0.05).