Two Spotted Spider Mite Management in Lima Beans - 2010: ' Cypress ' lima beans were planted on June 2 at the University of Delaware Research and Education Center located near Georgetown, DE. Plots consisted of four 25 ft-long rows on 30-inch centers. Each treatment was replicated four times and arranged in a RCB design. Foliar treatments were applied as a broadcast spray on July 14 with a CO_2 pressurized wheel barrow sprayer delivering 24 gpa at 32 psi. Mite populations were evaluated on a weekly basis from June 26 through Aug 12 by examining 20 leaflets per plot for the presence of spider mites. Data were analyzed using Proc GLM and means were separated by Tukey's mean separation test (P=0.05).

Spider mite population pressure was low, even after inoculating plots with mites. All treatments appeared to provide numerically better spider mite control 5 days after treatment compared to the untreated check. No phytotoxicity was observed.

Table 1. Spider Mite Counts on Leaves

Treatment	Rate/A	Mean Number Mites per 20 leaflets		
		July 6 Pre-Treatment	July 12 Pre-Treatment	July 19 5 DAT
Oberon 2SC	8 oz	11.50a	24.50a	1.00a
Oberon 2SC	12 oz	4.50a	14.25a	0.25a
Brigade 2EC	6 oz	8,75a	35.00a	3.75a
Hero EC	10 oz	2.50a	37.00a	0.50a
Zeal WSP	2 oz	5.75a	34.00a	5.25a
Agri-Mek 0.15EC	16 oz/A	11.25a	27.75a	3.50a
Untreated	--	5.75a	35.00a	14.00a

Means within a column followed by the same letter are not significantly different (Tukey's mean separation test; P=0.05).