

***Aphid Management in Wheat using Seed Treatments and a Foliar Application of Warrior, 2002-2003***

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'Southern States 5560' was planted on October 23, 2002 at Baker Farms, Inc. located near Middletown, DE. Plots consisted of nine rows 46 ft long plots planted on 7.5-inch centers. Each treatment was replicated four times and arranged in a RCB design. Seed treatments were applied commercially by Syngenta Seeds. The Warrior treatment was applied on Nov. 25 with a CO<sub>2</sub> pressurized backpack boom sprayer delivering 18 gpa @ 40 psi. The number of aphids per 3 foot of row was counted from Nov. 15 through December 2. Plots were harvested on July 15 and yields were calculated. Data were analyzed using ANOVA and means were separated by Ryan's q-test (P=0.05).

Aphid populations were low. Both greenbugs and bird cherry-oat aphid were found in the plot. All treatments provided significantly better aphid control compared to the untreated check. No phytotoxicity was observed.

Treatment	Rate	Aphids per 3 foot of row			Yield BU/A
		Nov. 15	Nov. 25	Dec. 2	
Gaucho 480	1oz/100lbs	0.75bc	1.00b	0.25b	45.15a
Gaucho 480	2oz/100lbs	0.00c	0.00b	0.00b	45.45a
Cruiser	0.7oz/100lbs	1.00bc	0.00b	0.00b	45.46a
Cruiser	1.3oz/100lbs	0.75bc	0.50b	0.25b	44.30a
Warrior T	Foliar-2.56oz/A	5.25a	7.00a	0.00b	43.80a
Untreated	----	4.75ab	9.25a	3.25a	45.14a

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