



CONTROL OF ASIAN SOYBEAN RUST



ASIAN SOYBEAN RUST CONTROL WITH PREV-AM® ULTRA AND WETCIT® ADJUVANT + ECHO® AND QUADRIS®

TARGET	Asian soybean rust (<i>Phakopsora pachyrhizi</i>)	CROP	Soybean, var. Prima 2000 (<i>Glycine max</i>)
TRIAL DATE	May 26, 2005	LOCATION	Howick, KwaZulu Natal, South Africa
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APPLICATION

A trial to determine the efficacy of WETCIT and PREV-AM ULTRA for the control of asian soybean rust on a medium-season soybean cultivar, Prima 2000, was initiated on November 14, 2004. Treatments were applied by a battery-operated pressurized backpack sprayer delivering a spray volume of 16 gallons per acre. The trial was inoculated with disease twice, first at 90 Days After Planting (DAP) and again at 97 DAP by stapling green infected leaves to the border rows of the plots. Flowering (50% flower) occurred at 75 DAP, and traces of disease were first observed in the trial at 93 DAP. The trial was harvested on May 10th, 2005.

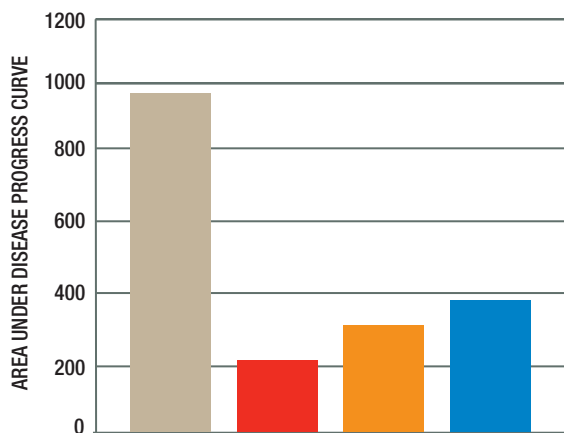
RESULTS

PREV-AM ULTRA at 0.4% provided good control of asian soybean rust when compared with combinations of chlorothalonil and azoxystrobin. The use of WETCIT in the chlorothalonil and azoxystrobin program significantly increased yield compared to the same treatment without WETCIT.

- UNTREATED
- PREV-AM ULTRA 0.4% (51 oz./ 100 gal.)
- Chlorothalonil (*Echo*) (27 oz./a) / (After 10 days) Azoxystrobin (*Quadris*) (5.5 oz./a) / (After 21 days) Chlorothalonil (*Bravo*) (27 oz./a)
- Chlorothalonil (*Echo*) + WETCIT 0.4% (27 oz./a) / (After 10 days) Azoxystrobin (*Quadris*) + WETCIT 0.4% (5.5 oz./a) / (After 21 Days) Chlorothalonil (*Bravo*) + WETCIT 0.4% (27 oz./a)

Chlorothalonil is the active ingredient of Echo, a registered tradename of SIPCAM Agro, USA Inc.
 Azoxystrobin is the active ingredient of Quadris, a registered tradename of Syngenta
 Chlorothalonil is the active ingredient of Bravo, a registered tradename of Syngenta

DISEASE CONTROL



YIELD

