EFFICACY OF F500® FUNGICIDE IN THE CONTROL OF ASIAN SOYBEAN RUST (Phakopsora pachyrhizi Syd.) IN SOYBEAN CROP.

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INTRODUCTION

Ten trials were performed during the 2006/2007 season in order evaluate different ready-mixes of Azoles + Strobilurines fungicides against asian rust in soybean under preventative (5 trials) and curative (5 trials) conditions.

MATERIAL AND METHODS

The treatments were:

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<th>No.</th>
<th>Untreated</th>
<th>F500+Metconazole 65+40</th>
<th>F500+Epoxiconazole 66,5+25</th>
<th>Azoxystrobin+Ciproconazole 60+24</th>
<th>Tryfloxystrobin+Cyproconazole 60+20</th>
<th>Tryfloxystrobin+tebuconazol 50+100</th>
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Preventative conditions at first symptom or flowering period (R1-R2) and treated again in grain formation (R5.1-R5.2).

Curative conditions were treated at 2% of severity and treated again with 14-21 days after first application.

The treatments were sprayed at first symptom or flowering period (R1-R3). The applications were performed with a CO2 propelled backpack sprayer equipped with Teejet nozzles (XR 8001 or XR 110015), 40 lb pol -2, and a spray volume of 150 L ha -1. Different regions (Campos Novos, SC, Ponta Grossa and Maua da Serra, PR, Rondonopolis, MT s and Goiania, GO states).

RESULTS AND DISCUSSION

The results of the trials show the ranking of the treatments as follows: F500+Metconazole (65+40 ga.i ha -1) > F500+Epoxiconazole (66,5+25 ga.i ha -1) > Azoxystrobin+Ciproconazole (60+24 ga.i ha -1)+specific adjuvant (0,5% v/v) > Tryfloxystrobin+Cyproconazole (60+20 ga.i ha -1)+specific adjuvant (0,25% v/v) > Tryfloxystrobin+tebuconazol (50+100ga.i ha -1 )+specific adjuvant (0,25% v/v).

All ready-mixes, regardless of the formulation composition, greatly reduced the severity of the disease. However, it was observed that ready-mixes that contain fungicide F500® (BASF) had longer residual control and better yield than others.