

Canopy Penetration Study at 20 GPA and 10 MPH Report

Nozzle Treatments - 5/19/05

- **Middle Collectors**

Soybean Canopy Penetration Test 5/19/05	
Target GPA:	20
Speed:	10 MPH
Target Swath:	3.33 ft
Boom Height:	1.583 ft
Product:	Water & NIS
Treatment:	Nozzle Type (see list)
Start Time:	8:30
Duration:	3 hr 30 min
Temperature:	84.6 °F
Relative Humidity:	60%
Soybean plant height	24 inches
Soybean growth stage	R3-R4
Soybean row spacing	drilled
Canopy condition	90-95% filled

➤ **2 Replications were done. All plants were grown in a 6-inch pot in a greenhouse and arranged in a grid under the boom to form a solid canopy representing a drilled soybean field (see picture below). WSP were placed in the canopy at mid-level and along the bottom of the canopy. Six wsp were placed in each level.**

SUMMARY: See tables with Means, Rank of % Area Coverage, and Rank of Droplets per square centimeter

Statistics: SAS v.9.1 using PROC GLM with LSD at .05% confidence level for significance

