

## Late-Season Fungicide Applications in Soybean.

Project Code: 03-20A-MW60      Location: Belleville Research Center

Investigator: Bryan Young, Assistant Professor, Southern Illinois University

City State Zip Country:      Belleville      IL 62221 USA  
 Trial Status: Final              Updated:      10-27-03

**Objective:**

Determine the benefit of foliar applications of fungicides in soybean.

**Weed Code Common Name Scientific Name**

1. NA

Crop 1:                    GLXMA soybean                    Variety:                    Asgrow 4603 RR  
 Planting Method: Seeded                    Planting Date: 5-24-03  
 Rate:                    75      lb/A                    Depth:                    1.0      IN  
 Row Spacing:                    30      IN

Plot Width, Unit: 10      FT                    Plot Length, Unit: 37      FT      Reps: 3  
 Tillage Type:                    Reduced-Till                    Study Design: Randomized complete block  
 Previous Crop, Year: GLXMA, 2002

Field Prep./Maintenance: N 0 LB/A, P205 50 LB/A, K20 200 LB/A

Soil Name: Ebbert                    % OM: 1.5      pH: 6.4      CEC: 12  
 Texture:      Silt loam                    Fert. Level:      P1: 79 LB/A, K: 182 LB/A

**APPLICATION DESCRIPTION**

|                      | A          | B          |
|----------------------|------------|------------|
| Application Date:    | 8-9-03     | 8-18-03    |
| Time of Day:         | 10:00      | 10:00      |
| Application Method:  | Spray      | Spray      |
| Application Timing:  | R3         | R4         |
| Applic. Placement:   | BROFOL     | BROFOL     |
| Air Temp., Unit:     | 79      F  | 80      F  |
| % Relative Humidity: | 60         | 75         |
| Wind Velocity, Unit: | 3      MPH | 3      MPH |
| Soil Moisture:       | NORMAL     | NORMAL     |

**CROP STAGE AT EACH APPLICATION**

|                     | A        | B        |
|---------------------|----------|----------|
| Crop 1 Code, Stage: | GLXMA R3 | GLXMA R4 |
| Height, Unit:       | 26-28 IN | 33-39 IN |

**APPLICATION EQUIPMENT**

|                     | A           | B           |
|---------------------|-------------|-------------|
| Appl. Equipment:    | CO2 sprayer | CO2 sprayer |
| Operating Pressure: | 40 PSI      | 40 PSI      |
| Nozzle Type:        | Flat fan    | Flat fan    |
| Nozzle Size:        | 8002        | 8002        |
| Boom Length, Unit:  | 7.5      FT | 7.5      FT |
| Spray Volume, Unit: | 20      GPA | 20      GPA |

**NOTES:**

Harvested Oct-16-03, (2) 30 inch rows by 35 ft.



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Trial Comments

1. Protocol: Syngenta, BASF.
2. Ratings: Disease and insect control 14 DAT.
3. Yield, test weight, moisture and seed quality.
4. Blanket application of Dual II Magnum at 1.27 lbai/A applied PRE to all plots including the nontreated on 5-24-03.
5. This study kept weed-free with cultivation or glyphosate applications.
6. At 14 days after the R4 application there were no incidences of disease or insect infestations in any plots, thus not rated.