

Pyroxasulfone and Cobra Combinations.

Trial ID: 11-T4-MN40

Location: Belleville Res. Center

Investigator: Bryan Young, Professor, Southern Illinois University, bgyoung@siu.edu
 City State Zip Country: Belleville IL 62221 USA
 Trial Status: FINAL Initiation Date: 5-24-11

Objectives: Determine the influence of pyroxasulfone tank-mixed with Cobra on foliar and residual control of waterhemp.

Crop 1: GLXMA Soybean Variety: AG 4005 Description: RR
 Planting Method: SEEDED Planting Date: 5-24-11
 Rate, Unit: 75 LB/A Depth, Unit: 1.0 IN
 Row Spacing, Unit: 30 IN

Pest 1 Type: W Code: AMATA Amaranthus rudis Sauer waterhemp, common
 Pest 2 Type: W Code: IPOHE Ipomoea hederacea (L.) Jacq. morningglory, ivyleaf

Plot Width, Unit: 10 FT Site Type: FIELD
 Plot Length, Unit: 27 FT Tillage Type: REDUCED-TILL
 Replications: 3 Study Design: Randomized Complete Block

Prior Crops, Year
 1. ZEAMD 2010

Field Prep./Maintenance: N 0 LB/A, P205 50 LB/A, K20 100 LB/A

% OM: 1.9 Texture: SILT LOAM
 pH: 6.3 Soil Name: BETHALTO
 CEC: 12 Fert. Level: P1: 50 LB/A, K: 374 LB/A

Application Description

A

Application Date: 6-16-11
 Time of Day: 7:00
 Application Method: Spray
 Application Timing: 4"W
 Application Placement: BROFOL
 Applied By: LAH
 Air Temperature, Unit: 79 F
 % Relative Humidity: 62
 Wind Velocity, Unit: 0 MPH
 Dew Presence (Y/N): N
 Soil Temperature, Unit: 74 F
 Soil Moisture: ABONOR
 % Cloud Cover: 25

16-6-11
 Crop stage at application: V2
 Height Min, Max (inch): 3 4

Pest Stage At Each Application

Application Date: 6-16-11
 Weed Code: AMATA
 Stage Majority (leaves): 5
 Stage Min, Max: 2 10
 Height Majority: 4 IN
 Height Min, Max: 1 6
 Density, Unit: 8 FT2
 Weed Code: IPOHE
 Stage Majority (leaves): 8
 Stage Min, Max: 5 8
 Height Majority: 3 IN
 Height Min, Max: 1 3
 Density, Unit: 0.01 FT2

Application Equipment

Appl. Equipment: CO2 sprayer
 Operating Pressure: 30 PSI
 Nozzle Type: Flat fan
 Nozzle Size: XR 8002
 Boom Length, Unit: 7.5 FT
 Spray Volume, Unit: 15 GPA

