

Little Barley Control in Winter Wheat.

01-Vergennes

OBJECTIVE: Evaluate various herbicides for control of little barley in winter wheat.

SUMMARY: Wheat injury ranged from 1 to 11% at 14 days after treatment (DAT) and 0 to 15% at 28 DAT. The greatest injury was observed from Olympus and Maverick. Little barley control was poor from all herbicide treatments. Olympus and Maverick provided the greatest little barley control (56 to 59%) at 28 DAT.

HERBICIDES / ADJUVANTS

ACHIEVE 40 DG
DISCOVER 2 EC
EVEREST 70 WG
HARMONY EXTRA 75 WG
HARMONY GT 75 WG
HOELON 3 EC
MAVERICK 75 WG
OLYMPUS 70 WG
SENCOR 75 WG
ACTIVATOR 90 100 LIQ
AMS 100 DRY
SCORE 100 LIQ
SUPERCHARGE 100 LIQ

WEEDS

barley, little

CROP

wheat, winter

Bryan Young

PLANT, SOIL AND GENERAL AGRICULTURE DEPARTMENT

SOUTHERN ILLINOIS UNIVERSITY

Little Barley Control in Winter Wheat.

Project Code: 01-Vergennes Location: Vergennes, IL

Investigator: Bryan Young, Assistant Professor, Southern Illinois University

City State Zip Country: Vergennes IL 62994 USA
Trial Status: Final Initiation Date: 3-7-01**Objective:**

Evaluate various herbicides for control of little barley in winter wheat.

Weed Code	Common Name	Scientific Name
1.	HORPU barley, little	Hordeum pusillum Nutt.

Crop 1:	TRZAW wheat, winter	Variety:	FS539
Planting Method:	Seeded	Planting Date:	10-20-00
Rate:	137 LB/A	Depth:	1.0 IN
Row Spacing:	7.5 IN		

Plot Width, Unit:	10 FT	Plot Length, Unit:	40 FT	Reps:	4
Tillage Type:	No-till	Study Design:	Randomized complete block		
Previous Crop, Year:	TRAZW, 2000				
Field Prep./Maintenance:	N 27 LB/A, P205 69 LB/A, K20 150 LB/A				

Texture: Silt loam

APPLICATION DESCRIPTION

APPLICATION DESCRIPTION		A
Application Date:	4-9-01	
Time of Day:	11:00	
Application Method:	SPRAY	
Application Timing:	SPRING	
Applic. Placement:	BROFOL	
Air Temp., Unit:	75 F	
% Relative Humidity:	70	
Wind Velocity, Unit:	6-8 MPH	
Dew Presence (Y/N):	N	
% Cloud Cover:	0	

CROP STAGE AT EACH APPLICATION

CROP STAGE AT EACH APPLICATION		A
Crop 1 Code, Stage:	TRZAW F5	
Height, Unit:	8-10 IN	

WEED STAGE AT EACH APPLICATION

WEED STAGE AT EACH APPLICATION		A
Weed 1 Code:	HORPU	
Stage(leaves):	4-5	
Height(inches):	6-8	
Density:	High	

APPLICATION EQUIPMENT

APPLICATION EQUIPMENT		A
Appl. Equipment:	CO2 sprayer	
Operating Pressure:	40 PSI	
Nozzle Type:	Flat fan	
Nozzle Size:	8002	
Boom Length, Unit:	7.5 FT	
Spray Volume, Unit:	19 GPA	

NOTES: NOT HARVESTED.

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Trial Comments

- 1. Protocol: SIU - BGY.
- 2. DA-A = days after SPRING application.
- 3. Not harvested.