

Huskie Evaluation in Wheat.

Trial ID: 09-HRC-6-BAY

Location: Agronomy Res. Center

Investigator: Bryan Young, Professor, Southern Illinois University, bgyoung@siu.edu
 City State Zip Country: Carbondale IL 62901 USA
 Trial Status: FINAL Initiation Date: 10-28-08

Objectives: Evaluate crop tolerance and broadleaf weed control attributes of Huskie when fall or spring applied.

Crop 1: TRZAW	Winter wheat	Variety: P25R47
Planting Method:	SEEDED	Planting Date: 10-28-08
Rate, Unit:	1.3 mil. S/A	Depth, Unit: 1.0 IN
Row Spacing, Unit:	7.5 IN	

Pest 1 Type: W	Code: ALLVI	Allium vineale L.	garlic, wild
Pest 2 Type: W	Code: LAMAM	Lamium amplexicaule L.	henbit
Pest 3 Type: W	Code: LAMPU	Lamium purpureum L.	deadnettle, purple
Pest 4 Type: W	Code: MYOVE	Myosotis verna Nutt.	forget-me-not, spring
Pest 5 Type: W	Code: POAAN	Poa annua L.	bluegrass, annual
Pest 6 Type: W	Code: STEME	Stellaria media (L.) Vill.	chickweed, common
Pest 7 Type: W	Code: CARPA	Cardamine parviflora L.	bittercress, smallflowered

Plot Width, Unit:	15 FT	Site Type:	FIELD
Plot Length, Unit:	30 FT	Tillage Type:	NO-TILL
Replications:	3	Study Design:	Randomized Complete Block

Prior Crops, Year

1. GLXMA 2008

Field Prep./Maintenance: N 18 LB/A, P205 46 LB/A, K20 120 LB/A on 10-27-08 and N 95 LB/A as 32% UAN on 3-4-09

% OM:	1.5	Texture:	SILT LOAM
pH:	6.5	Soil Name:	HOSMER
CEC:	7.2	Fert. Level:	P1: 46 LB/A, K: 153 LB/A

Application Description

Application Date:	11-25-08
Time of Day:	14:00
Application Method:	Spray
Application Timing:	2-4LBL
Application Placement:	BROFOL
Applied By:	NRJ
Air Temperature, Unit:	47 F
% Relative Humidity:	33
Wind Velocity, Unit:	1 MPH
Wind Direction:	NW
Dew Presence (Y/N):	N
Soil Temperature, Unit:	46 F
Soil Moisture:	ABONOR
% Cloud Cover:	0

	11-25-08
Crop stage at application:	2 LVS
Height Min, Max (inch):	3 4

Huskie Evaluation in Wheat.

Trial ID: 09-HRC-6-BAY

Location: Agronomy Res. Center

Pest Stage At Each Application

Application Date: 11-25-08
 Weed Code: ALLVI
 Stage Majority (leaves): 2
 Stage Min, Max: 2 4
 Height Majority: 6 IN
 Height Min, Max: 4 8
 Density, Unit: 1 FT2
 Weed Code: LAMAM
 Stage Majority (leaves): 14
 Stage Min, Max: 6 20
 Height Majority: 2 IN
 Height Min, Max: 1 4
 Density, Unit: 25 FT2
 Weed Code: LAMPU
 Stage Majority (leaves): 10
 Stage Min, Max: 6 18
 Height Majority: 3 IN
 Height Min, Max: 2 6
 Density, Unit: 15 FT2
 Weed Code: MYOVE
 Stage Majority (leaves): 6
 Stage Min, Max: 4 12
 Height Majority: 0.5 IN
 Height Min, Max: 0.25 1
 Density, Unit: 1 FT2
 Weed Code: POAAN
 Stage Majority (leaves): 6 TILLERS
 Stage Min, Max: 1-2 LVS
 Height Majority: 2 IN
 Height Min, Max: 1 2.5
 Density, Unit: 1 FT2
 Weed Code: STEME
 Stage Majority (leaves): 6
 Stage Min, Max: 4 12
 Height Majority: 1 IN
 Height Min, Max: 1 2
 Density, Unit: 1 FT2
 Weed Code: CARPA
 Stage Majority (leaves): 2
 Stage Min, Max: 1 3
 Height Majority: 0.5 IN
 Height Min, Max: 0.5 1
 Density, Unit: 1 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

Means followed by same letter do not significantly differ (P=.05, LSD)

Huskie Evaluation in Wheat.

Trial ID: 09-HRC-6-BAY

Location: Agronomy Res. Center

Pest Code	LAMAM	LAMAM	LAMAM	LAMPU	LAMPU	LAMPU
Crop Code						
Rating Date	12-19-08	01-08-09	03-09-09	12-19-08	01-08-09	03-09-09
Rating Data Type	Control	Control	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent	Percent	Percent
Rating Timing			At Spring			At Spring
Trt-Eval Interval	24 DA-A	44 DA-A	Greenup	24 DA-A	44 DA-A	Greenup

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
1	NONTREATED									0 c	0 c	0 c	0 e	0 b	0 b
2	HUSKIE	2.06	EC	0.217	lb ai/a	13.5	oz/a	2-4LBL	A	4 a	88 a	96 a	7 ab	93 a	98 a
2	ACTIVATOR 90	100	SL	0.5	% v/v	0.5	% v/v	2-4LBL	A						
2	28% UAN	100	SL	2	qt/a	2	qt/a	2-4LBL	A						
3	HUSKIE	2.06	EC	0.217	lb ai/a	13.5	oz/a	2-4LBL	A	4 a	85 a	99 a	8 a	95 a	99 a
3	SUPERB HC	100	SL	0.5	% v/v	0.5	% v/v	2-4LBL	A						
3	28% UAN	100	SL	2	qt/a	2	qt/a	2-4LBL	A						
4	HUSKIE	2.06	EC	0.217	lb ai/a	13.5	oz/a	2-4LBL	A	3 ab	82 a	98 a	5 bc	95 a	99 a
4	BUCTRIL	2	EC	0.078	lb ai/a	5	oz/a	2-4LBL	A						
4	ACTIVATOR 90	100	SL	0.5	% v/v	0.5	% v/v	2-4LBL	A						
4	28% UAN	100	SL	2	qt/a	2	qt/a	2-4LBL	A						
5	HUSKIE	2.06	EC	0.177	lb ai/a	11	oz/a	2-4LBL	A	1 bc	93 a	99 a	1 de	93 a	99 a
5	2,4-D LV 4	3.8	EC	0.237	lb ae/a	0.5	pt/a	2-4LBL	A						
5	ACTIVATOR 90	100	SL	0.5	% v/v	0.5	% v/v	2-4LBL	A						
5	28% UAN	100	SL	2	qt/a	2	qt/a	2-4LBL	A						
6	HUSKIE	2.06	EC	0.177	lb ai/a	11	oz/a	2-4LBL	A	3 ab	95 a	99 a	3 cd	95 a	99 a
6	MCPA-ESTER	3.7	EC	0.347	lb ae/a	0.75	pt/a	2-4LBL	A						
6	ACTIVATOR 90	100	SL	0.5	% v/v	0.5	% v/v	2-4LBL	A						
6	28% UAN	100	SL	2	qt/a	2	qt/a	2-4LBL	A						
7	HUSKIE	2.06	EC	0.177	lb ai/a	11	oz/a	2-4LBL	A	2 bc	58 b	85 b	1 de	80 a	99 a
7	OLYMPUS FLEX	11.25	SG	0.014	lb ai/a	2	oz/a	2-4LBL	A						
7	ACTIVATOR 90	100	SL	0.5	% v/v	0.5	% v/v	2-4LBL	A						
7	28% UAN	100	SL	2	qt/a	2	qt/a	2-4LBL	A						
8	HUSKIE	2.06	EC	0.177	lb ai/a	11	oz/a	2-4LBL	A	1 bc	58 b	93 ab	1 de	77 a	99 a
8	OLYMPUS FLEX	11.25	SG	0.021	lb ai/a	3	oz/a	2-4LBL	A						
8	ACTIVATOR 90	100	SL	0.5	% v/v	0.5	% v/v	2-4LBL	A						
8	28% UAN	100	SL	2	qt/a	2	qt/a	2-4LBL	A						

LSD (P=.05)

2.2 17.1 7.9 2.7 19.9 1.4

Replicate F

0.191 3.625 0.645 0.365 2.473 1.000

Replicate Prob(F)

0.8285 0.0539 0.5394 0.7008 0.1203 0.3927

Treatment F

5.027 31.527 171.065 12.762 24.606 5492.849

Treatment Prob(F)

0.0050 0.0001 0.0001 0.0001 0.0001 0.0001

Means followed by same letter do not significantly differ (P=.05, LSD)

Huskie Evaluation in Wheat.

Trial ID: 09-HRC-6-BAY

Location: Agronomy Res. Center

Pest Code	MYOVE	MYOVE	MYOVE	POAAN	POAAN	POAAN
Crop Code						
Rating Date	12-19-08	01-08-09	03-09-09	12-19-08	01-08-09	03-09-09
Rating Data Type	Control	Control	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent	Percent	Percent
Rating Timing			At Spring			At Spring
Trt-Eval Interval	24 DA-A	44 DA-A	Greenup	24 DA-A	44 DA-A	Greenup

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
1	NONTREATED									0 a	0 c	0 b	0 a	0 c	0 a
2	HUSKIE	2.06	EC	0.217	lb ai/a	13.5	oz/a	2-4LBL	A	0 a	77 ab	83 a	0 a	0 c	0 a
2	ACTIVATOR 90	100	SL	0.5	% v/v	0.5	% v/v	2-4LBL	A						
2	28% UAN	100	SL	2	qt/a	2	qt/a	2-4LBL	A						
3	HUSKIE	2.06	EC	0.217	lb ai/a	13.5	oz/a	2-4LBL	A	0 a	90 a	96 a	0 a	0 c	0 a
3	SUPERB HC	100	SL	0.5	% v/v	0.5	% v/v	2-4LBL	A						
3	28% UAN	100	SL	2	qt/a	2	qt/a	2-4LBL	A						
4	HUSKIE	2.06	EC	0.217	lb ai/a	13.5	oz/a	2-4LBL	A	0 a	67 b	98 a	0 a	0 c	0 a
4	BUCTRIL	2	EC	0.078	lb ai/a	5	oz/a	2-4LBL	A						
4	ACTIVATOR 90	100	SL	0.5	% v/v	0.5	% v/v	2-4LBL	A						
4	28% UAN	100	SL	2	qt/a	2	qt/a	2-4LBL	A						
5	HUSKIE	2.06	EC	0.177	lb ai/a	11	oz/a	2-4LBL	A	0 a	87 a	99 a	0 a	0 c	0 a
5	2,4-D LV 4	3.8	EC	0.237	lb ae/a	0.5	pt/a	2-4LBL	A						
5	ACTIVATOR 90	100	SL	0.5	% v/v	0.5	% v/v	2-4LBL	A						
5	28% UAN	100	SL	2	qt/a	2	qt/a	2-4LBL	A						
6	HUSKIE	2.06	EC	0.177	lb ai/a	11	oz/a	2-4LBL	A	0 a	85 a	99 a	0 a	0 c	0 a
6	MCPA-ESTER	3.7	EC	0.347	lb ae/a	0.75	pt/a	2-4LBL	A						
6	ACTIVATOR 90	100	SL	0.5	% v/v	0.5	% v/v	2-4LBL	A						
6	28% UAN	100	SL	2	qt/a	2	qt/a	2-4LBL	A						
7	HUSKIE	2.06	EC	0.177	lb ai/a	11	oz/a	2-4LBL	A	0 a	67 b	98 a	0 a	62 b	0 a
7	OLYMPUS FLEX	11.25	SG	0.014	lb ai/a	2	oz/a	2-4LBL	A						
7	ACTIVATOR 90	100	SL	0.5	% v/v	0.5	% v/v	2-4LBL	A						
7	28% UAN	100	SL	2	qt/a	2	qt/a	2-4LBL	A						
8	HUSKIE	2.06	EC	0.177	lb ai/a	11	oz/a	2-4LBL	A	0 a	68 b	98 a	0 a	87 a	0 a
8	OLYMPUS FLEX	11.25	SG	0.021	lb ai/a	3	oz/a	2-4LBL	A						
8	ACTIVATOR 90	100	SL	0.5	% v/v	0.5	% v/v	2-4LBL	A						
8	28% UAN	100	SL	2	qt/a	2	qt/a	2-4LBL	A						

LSD (P=.05)	0.0	16.6	17.7	0.0	7.8	0.0
-------------	-----	------	------	-----	-----	-----

Replicate F	0.000	3.477	1.069	0.000	1.485	0.000
Replicate Prob(F)	1.0000	0.0594	0.3697	1.0000	0.2601	1.0000
Treatment F	0.000	27.762	34.595	0.000	186.841	0.000
Treatment Prob(F)	1.0000	0.0001	0.0001	1.0000	0.0001	1.0000

Means followed by same letter do not significantly differ (P=.05, LSD)

Huskie Evaluation in Wheat.

Trial ID: 09-HRC-6-BAY

Location: Agronomy Res. Center

Pest Code	STEME	STEME	STEME	CARPA	CARPA	CARPA
Crop Code	12-19-08	01-08-09	03-09-09	12-19-08	01-08-09	03-09-09
Rating Date	Control	Control	Control	Control	Control	Control
Rating Data Type	Percent	Percent	Percent	Percent	Percent	Percent
Rating Unit			At Spring			At Spring
Rating Timing	24 DA-A	44 DA-A	Greenup	24 DA-A	44 DA-A	Greenup
Trt-Eval Interval						

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
1	NONTREATED									0 a	0 d	0 c	0 a	0 c	0 b
2	HUSKIE	2.06	EC	0.217	lb ai/a	13.5	oz/a	2-4LBL	A	0 a	80 abc	93 ab	0 a	80 ab	99 a
2	ACTIVATOR 90	100	SL	0.5	% v/v	0.5	% v/v	2-4LBL	A						
2	28% UAN	100	SL	2	qt/a	2	qt/a	2-4LBL	A						
3	HUSKIE	2.06	EC	0.217	lb ai/a	13.5	oz/a	2-4LBL	A	0 a	93 a	96 a	0 a	93 a	99 a
3	SUPERB HC	100	SL	0.5	% v/v	0.5	% v/v	2-4LBL	A						
3	28% UAN	100	SL	2	qt/a	2	qt/a	2-4LBL	A						
4	HUSKIE	2.06	EC	0.217	lb ai/a	13.5	oz/a	2-4LBL	A	0 a	77 abc	98 a	0 a	60 b	99 a
4	BUCTRIL	2	EC	0.078	lb ai/a	5	oz/a	2-4LBL	A						
4	ACTIVATOR 90	100	SL	0.5	% v/v	0.5	% v/v	2-4LBL	A						
4	28% UAN	100	SL	2	qt/a	2	qt/a	2-4LBL	A						
5	HUSKIE	2.06	EC	0.177	lb ai/a	11	oz/a	2-4LBL	A	0 a	85 ab	82 b	0 a	85 a	99 a
5	2,4-D LV 4	3.8	EC	0.237	lb ae/a	0.5	pt/a	2-4LBL	A						
5	ACTIVATOR 90	100	SL	0.5	% v/v	0.5	% v/v	2-4LBL	A						
5	28% UAN	100	SL	2	qt/a	2	qt/a	2-4LBL	A						
6	HUSKIE	2.06	EC	0.177	lb ai/a	11	oz/a	2-4LBL	A	0 a	92 a	88 ab	0 a	83 ab	99 a
6	MCPA-ESTER	3.7	EC	0.347	lb ae/a	0.75	pt/a	2-4LBL	A						
6	ACTIVATOR 90	100	SL	0.5	% v/v	0.5	% v/v	2-4LBL	A						
6	28% UAN	100	SL	2	qt/a	2	qt/a	2-4LBL	A						
7	HUSKIE	2.06	EC	0.177	lb ai/a	11	oz/a	2-4LBL	A	0 a	65 c	87 ab	0 a	75 ab	99 a
7	OLYMPUS FLEX	11.25	SG	0.014	lb ai/a	2	oz/a	2-4LBL	A						
7	ACTIVATOR 90	100	SL	0.5	% v/v	0.5	% v/v	2-4LBL	A						
7	28% UAN	100	SL	2	qt/a	2	qt/a	2-4LBL	A						
8	HUSKIE	2.06	EC	0.177	lb ai/a	11	oz/a	2-4LBL	A	0 a	72 bc	95 a	0 a	70 ab	99 a
8	OLYMPUS FLEX	11.25	SG	0.021	lb ai/a	3	oz/a	2-4LBL	A						
8	ACTIVATOR 90	100	SL	0.5	% v/v	0.5	% v/v	2-4LBL	A						
8	28% UAN	100	SL	2	qt/a	2	qt/a	2-4LBL	A						

LSD (P=.05)	0.0	18.1	11.3	0.0	22.6	0.0
-------------	-----	------	------	-----	------	-----

Replicate F	0.000	3.582	3.353	0.000	0.242	0.000
Replicate Prob(F)	1.0000	0.0576	0.0646	1.0000	0.7896	1.0000
Treatment F	0.000	25.762	77.496	0.000	16.547	0.000
Treatment Prob(F)	1.0000	0.0001	0.0001	1.0000	0.0001	1.0000

Means followed by same letter do not significantly differ (P=.05, LSD)

Trial Comments

1. Protocol: Bayer (AP1).
2. Ratings: CI at 6-10 and 19-25 DAT. WC at 19-25 and 45-59 DAT.
3. Application code: 2-4LBL = 2 to 4 leaf broadleaf weeds.
4. Not harvested.