

# Purdue University

## Efficacy of Fall and Spring applied treatments on clearfield winter wheat

Trial ID: 05F-SEP-NTW-01  
Location: SEPAC

Study Dir.: Vince Davis  
Investigator: Dr. William G. Johnson

### GENERAL TRIAL INFORMATION

<b>Study Director:</b> Vince Davis	<b>Title:</b> Research Associate
<b>Affiliation:</b> Purdue University	
<b>Postal Code:</b> 47907	
<b>Investigator:</b> Dr. William G. Johnson	<b>Title:</b> Associate Professor
<b>Affiliation:</b> Purdue University	
<b>Postal Code:</b> 47907	

### TRIAL LOCATION

**City:** Butlerville  
**State/Prov.:** IN  
**Postal Code:** 47223  
**Country:** USA  
**Unit:** feet  
**Directions:** On the east side of field U6.

### COOPERATOR/LANDOWNER

<b>Cooperator:</b> Southeast Purdue Ag Center	<b>Country:</b> USA
<b>Org:</b> Purdue University	<b>Phone No:</b> 812-458-6977
<b>Address 1:</b> 4425 E Co Rd 350 N	<b>Fax No:</b> 812-458-6979
<b>Address 2:</b> PO Box 216	
<b>City:</b> Butlerville	
<b>State/Prov:</b> IN	
<b>Postal Code:</b> 47223	

**Conducted Under GLP (Y/N):** N                      **Conducted Under GEP (Y/N):** N

**Objective:** The objective of this trial is to compare the efficacy of winter annual weed control especially annual bluegrass, downybrome, and cheat using various fall and spring applied herbicides in winter wheat production utilizing a clearfield variety.

### CROP AND WEED DESCRIPTION

Weed	Code	Common Name	Scientific Name
1.	POAAN	Poa annua	Annual bluegrass
2.	STEME	Stellaria media	Common chickweed
3.	LAMAM	Lamium amplexicaule	Henbit
4.	RANAB	Ranunculus abortivus	Buttercup, smallflower
5.	ERICA	Erigeron canadensis	Horseweed
6.	LAMPU	Lamium purpureum	Purple dead nettle
7.	CERVU	Cerastium vulgatum	Mouseear chickweed

**Crop 1:** TRZAW WHEAT, WINTER                      **Variety:** FFR EX 9164 Clearfield  
**Planting Date:** 12/Oct/2005                      **Planting Method:** DRILLED  
**Rate:** 1.6 Mil S/A                      **Depth:** 1 IN  
**Row Spacing:** 7.5 IN  
**Soil Moisture:** NORMAL

**Crop 2:** GLXMA SOYBEAN                      **Variety:** NEED STS/RR stacked to DC

### SITE AND DESIGN

**Plot Width, Unit:** 10 FT                      **Plot Length, Unit:** 30 FT                      **Reps:** 4  
**Site Type:** FIELD  
**Tillage Type:** NO-TILL                      **Study Design:** RANDOMIZED COMPLETE BLOCK

1.	Previous Crops	Previous Pesticides	Year
	Soybeans		2005

### MAINTENANCE

**Field Prep./Maintenance:** None

**Closest Weather Station:** ON SITE                      **Distance:** 0.25                      **Unit:** MI

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## APPLICATION DESCRIPTION

	A	B	C	D
Application Date:	13/Oct/2005	3/Nov/2005	17/Mar/2005	28/Mar/2006
Time of Day:	9:00am	9:00am	12:30 pm	12:00 pm
Application Method:	SPRAY	SPRAY	Spray	SPRAY
Application Timing:	FALPRE	FALL	Spring	After joi
Applic. Placement:	BROFOL	BROFOL	BROFOL	BROFOL
Air Temp., Unit:	63 F	55 F	45 F	51 F
% Relative Humidity:	90	63	40	70
Wind Velocity, Unit:	0 MPH	7 MPH	5.5 MPH	4 MPH
Dew Presence (Y/N):	Y	N	N	Y
Soil Temp., Unit:	61 F	48 F	43 F	41 F
Soil Moisture:	ADEQUATE	MOIST	MOIST	MOIST
% Cloud Cover:	100	30	5	100

## CROP STAGE AT EACH APPLICATION

	A	B	C	D
Crop 1 Code, Stage:	TRZAW	TRZAW	TRZAW	TRZAW
Stage Scale:	Preemerge	2-3 leaf	6 leaf	11till,jt
Height, Unit:		4 IN	7 IN	7 IN
Crop 2 Code, Stage:	GLXMA	GLXMA	GLXMA	GLXMA
Stage Scale:	NA	NA	NA	NA

## WEED STAGE AT EACH APPLICATION

	A	B	C	D
Weed 1 Code, Stage:	POAAN	POAAN	POAAN	POAAN
Stage Scale:	Seed1-2lf	2 " tall	1-3"	1-2"
Density, Unit:	1-2 YD2	1-2 YD2	10 YD2	10 YD2
Weed 2 Code, Stage:	STEME	STEME	STEME	STEME
Stage Scale:	1-2"roset	2"rosette	3-6"roset	5-6"roset
Density, Unit:	2-5 YD2	2-5 YD2	2 YD2	20 YD2
Weed 3 Code, Stage:	LAMAM	LAMAM	LAMAM	LAMAM
Stage Scale:	seed1-3lf	4 leaf	2-4"	4"
Density, Unit:	1-2 YD2	3-5 YD2	2 YD2	10 YD2
Weed 4 Code, Stage:	RANAB	RANAB	RANAB	RANAB
Stage Scale:	1-3"roset	4lf,2-3"d	2-6"	2-3"roset
Density, Unit:	3-5 YD2	3-5 YD2	15 YD2	20 YD2
Weed 5 Code, Stage:	ERICA	ERICA	ERICA	ERICA
Stage Scale:	seed1-2lf	2"diam ro	0	0
Density, Unit:	10 YD2	10 YD2	0 YD2	0 YD2
Weed 6 Code, Stage:	LAMPU	LAMPU	LAMPU	LAMPU
Stage Scale:		4-6lf,4"d	2-4"	4"
Density, Unit:		3-4 YD2	15 YD2	2 YD2
Weed 7 Code, Stage:	CERVU	CERVU	CERVU	CERVU
Stage Scale:				1"rosette
Density, Unit:				2 YD2

## APPLICATION EQUIPMENT

	A	B	C	D
Appl. Equipment:	BackPack	BackPack	BackPack	BackPack
Operating Pressure:	27 psi	27 psi	27 psi	27 psi
Nozzle Type:	XR	XR	XR	XR
Nozzle Size:	11002	11002	11002	11002
Nozzle Spacing, Unit:	20 IN	20 IN	20 IN	20 IN
Boom Length, Unit:	10 FT	10 FT	10 FT	10 FT
Boom Height, Unit:	20 IN	20 IN	20 IN	20 IN
Ground Speed, Unit:	3 MPH	3 MPH	3 MPH	3 MPH
Incorporation Equip.:	None	None	None	None
Hours to Incorp.:	0	0	0	0
Incorp. Depth, Unit:	0 IN	0 IN	0 IN	0 IN
Carrier:	H2O	H2O	H2O	H2O
Spray Volume, Unit:	15 GPA	15 GPA	15 GPA	15 GPA
Propellant:	CO2	CO2	CO2	CO2

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Trial Comments

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## Efficacy of Fall and Spring applied treatments on clearfield winter wheat

Trial ID: 05F-SEP-NTW-01  
 Location: SEPAC

Study Dir.: Vince Davis  
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Weed Code									TRZAW	RANAB	CERVU	STEME	LAMAM
Crop Code													
Rating Data Type									CI	EFF	EFF	EFF	EFF
Rating Unit									%	%	%	%	%
Rating Date									1/Dec/2005	1/Dec/2005	1/Dec/2005	1/Dec/2005	1/Dec/2005
Crop Stage									2 tiller				
Crop Stage Scale									3"				
Weed Stage										2-3*rose	2*rosett	1*rosett	<1*roset
Weed Density, Unit										25 YD2	10 YD2	2 YD2	20 YD2
Assessed By									VMD and WGJ				
Trt-Eval Interval													
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	1	2	3	4	5
1	Roundup OriginalMAX AMS	0.77 2.5	LB AE/A LB A/A	22 2.5	FL OZ/A LB/A	FALPRE FALPRE	A A	101	0	100	50	100	65
								308	0	75	20	20	
								502	5	95	70	70	
								806	0	90	90	90	
								Mean =					
2	Harmony Extra XP NIS	0.028 0.5	LB A/A % V/V	0.6 0.5	OZ/A % V/V	FAL 2lf FAL 2lf	B B	102	10	90	90	100	93
								305	3	80	80	80	100
								511	10	75	80	80	85
								704	5	60	70	70	80
								Mean =					
3	Harmony Extra XP NIS	0.028 0.5	LB A/A % V/V	0.6 0.5	OZ/A % V/V	SPR BJ SPR BJ	C C	103	0	0	0	0	0
								310	0	0	0	0	0
								509	0	0	0	0	0
								702	0	0	0	0	0
								Mean =					
4	Express NIS	0.0155 0.5	LB A/A % V/V	0.33 0.5	OZ/A % V/V	SPR BJ SPR BJ	C C	104	0	0	0	0	0
								306	0	0	0	0	0
								602	0	0	0	0	0
								801	0	0	0	0	0
								Mean =					
5	Olympus NIS	0.0394 0.5	LB A/A % V/V	0.9 0.5	OZ/A % V/V	FAL 2lf FAL 2lf	B B	105	5	100	40	40	0
								309	0	75	0	0	0
								513	0	80	0	0	0
								711	0	30	50	50	15
								Mean =					
6	Olympus NIS	0.0394 0.5	LB A/A % V/V	0.9 0.5	OZ/A % V/V	SPR BJ SPR BJ	C C	106	0	0	0	0	0
								414	0	0	0	0	0
								604	0	0	0	0	0
								709	0	0	0	0	0
								Mean =					
7	Osprey NIS UAN 28%	0.0134 0.5 3.33	LB A/A % V/V % V/V	4.75 0.5 2	OZ/A % V/V QT/A	FAL 2lf FAL 2lf FAL 2lf	B B B	107	10	85	88	88	65
								304	5	40	80	80	90
								505	7	80	35	35	50
								802	0	20	50	50	65
								Mean =					
8	Osprey NIS UAN 28%	0.0134 0.5 3.33	LB A/A % V/V % V/V	4.75 0.5 2	OZ/A % V/V QT/A	SPR BJ SPR BJ SPR BJ	C C C	108	0	0	0	0	0
								403	0	0	0	0	0
								515	0	0	0	0	0
								707	0	0	0	0	0
								Mean =					
9	Olympus Flex NIS UAN 28%	0.0247 0.5 3.33	LB A/A % V/V % V/V	3.5 0.5 2	OZ/A % V/V QT/A	FAL 2lf FAL 2lf FAL 2lf	B B B	109	10	25	50	50	80
								415	3	85	90	90	100
								613	8	80	80	80	80
								814	10	70	90	90	50
								Mean =					

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									TRZAW	RANAB	CERVU	STEME	LAMAM
									CI	EFF	EFF	EFF	EFF
									%	%	%	%	%
									1/Dec/2005	1/Dec/2005	1/Dec/2005	1/Dec/2005	1/Dec/2005
									2 tiller				
									3"				
										2-3"rose	2"rosett	1"rosett	<1"roset
										25 YD2	10 YD2	2 YD2	20 YD2
									VMD and WGJ				
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	1	2	3	4	5
10	Olympus Flex	0.0247	LB A/A	3.5	OZ/A	SPR BJ	C	110	0	0	0	0	0
	NIS	0.5	% V/V	0.5	% V/V	SPR BJ	C	311	0	0	0	0	0
	UAN 28%	3.33	% V/V	2	QT/A	SPR BJ	C	506	0	0	0	0	0
								815	0	0	0	0	0
								Mean =	0	0	0	0	0
11	Everest (MKH 6562)	0.35	OZ A/A	0.5	OZ/A	SPR BJ	C	111	0	0	0	0	0
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C	409	0	0	0	0	0
								603	0	0	0	0	0
								712	0	0	0	0	0
								Mean =	0	0	0	0	0
12	Everest (MKH 6562)	0.35	OZ A/A	0.5	OZ/A	SPR BJ	C	112	0	0	0	0	0
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C	408	0	0	0	0	0
	UAN 28%	2	QT/A	2	QT/A	SPR BJ	C	501	0	0	0	0	0
								714	0	0	0	0	0
								Mean =	0	0	0	0	0
13	Everest (MKH 6562)	0.42	OZ A/A	0.6	OZ/A	SPR BJ	C	113	0	0	0	0	0
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C	401	0	0	0	0	0
								611	0	0	0	0	0
								808	0	0	0	0	0
								Mean =	0	0	0	0	0
14	Everest (MKH 6562)	0.42	OZ A/A	0.6	OZ/A	SPR BJ	C	114	0	0	0	0	0
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C	404	0	0	0	0	0
	UAN 28%	2	QT/A	2	QT/A	SPR BJ	C	514	0	0	0	0	0
								708	0	0	0	0	0
								Mean =	0	0	0	0	0
15	Everest (MKH 6562)	0.35	OZ A/A	0.5	OZ/A	SPR BJ	C	115	0	0	0	0	0
	Harmony GT	0.2	OZ A/A	0.4	OZ/A	SPR BJ	C	315	0	0	0	0	0
	Express	0.1	OZ A/A	0.2	OZ/A	SPR BJ	C	610	0	0	0	0	0
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C	807	0	0	0	0	0
								Mean =	0	0	0	0	0
16	Everest (MKH 6562)	0.35	OZ A/A	0.5	OZ/A	SPR BJ	C	201	0	0	0	0	0
	Harmony GT	0.2	OZ A/A	0.4	OZ/A	SPR BJ	C	313	0	0	0	0	0
	Express	0.1	OZ A/A	0.2	OZ/A	SPR BJ	C	510	0	0	0	0	0
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C	705	0	0	0	0	0
	UAN 28%	2	QT/A	2	QT/A	SPR BJ	C						
								Mean =	0	0	0	0	0
17	Everest (MKH 6562)	0.42	OZ A/A	0.6	OZ/A	SPR BJ	C	202	0	0	0	0	0
	Harmony GT	0.25	OZ A/A	0.5	OZ/A	SPR BJ	C	312	0	0	0	0	0
	Express	0.125	OZ A/A	0.25	OZ/A	SPR BJ	C	614	0	0	0	0	0
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C	706	0	0	0	0	0
								Mean =	0	0	0	0	0
18	Everest (MKH 6562)	0.42	OZ A/A	0.6	OZ/A	SPR BJ	C	203	0	0	0	0	0
	Harmony GT	0.25	OZ A/A	0.5	OZ/A	SPR BJ	C	407	0	0	0	0	0
	Express	0.125	OZ A/A	0.25	OZ/A	SPR BJ	C	607	0	0	0	0	0
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C	812	0	0	0	0	0
	UAN 28%	2	QT/A	2	QT/A	SPR BJ	C						
								Mean =	0	0	0	0	0

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Weed Code								TRZAW	RANAB	CERVU	STEME	LAMAM	
Crop Code													
Rating Data Type								CI	EFF	EFF	EFF	EFF	
Rating Unit								%	%	%	%	%	
Rating Date								1/Dec/2005	1/Dec/2005	1/Dec/2005	1/Dec/2005	1/Dec/2005	
Crop Stage								2 tiller					
Crop Stage Scale								3"					
Weed Stage									2-3"rose	2"rosett	1"rosett	<1"roset	
Weed Density, Unit								25 YD2	10 YD2	2 YD2	20 YD2		
Assessed By								VMD and WGJ					
Trt-Eval Interval													
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	1	2	3	4	5
19	Everest (MKH 6562)	0.35	OZ A/A	0.5	OZ/A	SPR BJ	C	204	0	0	0	0	0
	Glean PX	0.188	OZ A/A	0.25	OZ/A	SPR BJ	C	406	0	0	0	0	0
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C	512	0	0	0	0	0
								804	0	0	0	0	0
								Mean =	0	0	0	0	0
20	Clearmax							205	15	75	50	50	40
	Beyond	0.0316	LB A/A	4	FL OZ/A	FAL 2lf	B	410	10	75	80	80	50
	MCPA-Ester	0.25	LB A/A	8	FL OZ/A	FAL 2lf	B	508	10	80	40	40	95
	UAN 28%	2.5	% V/V	1.5	QT/A	FAL 2lf	B	713	10	70	70	70	50
	NIS	0.25	% V/V	0.25	% V/V	FAL 2lf	B						
								Mean =	11	75	60	60	59
21	Clearmax							206	0	0	0	0	0
	Beyond	0.0316	LB A/A	4	FL OZ/A	SPR BJ	C	314	0	0	0	0	0
	MCPA-Ester	0.25	LB A/A	8	FL OZ/A	SPR BJ	C	606	0	0	0	0	0
	UAN 28%	2.5	% V/V	1.5	QT/A	SPR BJ	C	715	0	0	0	0	0
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C						
								Mean =	0	0	0	0	0
22	Clearmax							207	15	90	50	50	30
	Beyond	0.0316	LB A/A	4	FL OZ/A	FAL 2lf	B	302	20	70	50	50	60
	MCPA-Ester	0.25	LB A/A	8	FL OZ/A	FAL 2lf	B	615	10	95	90	90	90
	UAN 28%	2.5	% V/V	1.5	QT/A	FAL 2lf	B	809	10	40	60	60	55
	NIS	0.25	% V/V	0.25	% V/V	FAL 2lf	B						
	Beyond	0.0316	LB A/A	4	FL OZ/A	SPR BJ	C						
	MCPA-Ester	0.25	LB A/A	8	FL OZ/A	SPR BJ	C						
	UAN 28%	2.5	% V/V	1.5	QT/A	SPR BJ	C						
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C						
								Mean =	14	74	63	63	59
23	Clearmax							208	0	0	0	0	0
	Beyond	0.0316	LB A/A	4	FL OZ/A	SPR BJ	C	301	0	0	0	0	0
	MCPA-Ester	0.25	LB A/A	8	FL OZ/A	SPR BJ	C	507	0	0	0	0	0
	UAN 28%	2.5	% V/V	1.5	QT/A	SPR BJ	C	810	0	0	0	0	0
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C						
	Headline	0.049	LB A/A	3	FL OZ/A	SPR BJ	C						
								Mean =	0	0	0	0	0
24	Beyond	0.0316	LB A/A	4	FL OZ/A	FAL 2lf	B	209	20	60	30	30	50
	NIS	0.25	% V/V	0.25	% V/V	FAL 2lf	B	411	15	50	50	50	90
	UAN 28%	2.5	% V/V	1.5	QT/A	FAL 2lf	B	609	5	75	60	60	60
								803	5	70	75	75	65
								Mean =	11	64	54	54	66
25	Beyond	0.0316	LB A/A	4	FL OZ/A	SPR BJ	C	210	0	0	0	0	0
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C	412	0	0	0	0	0
	UAN 28%	2.5	% V/V	1.5	QT/A	SPR BJ	C	601	0	0	0	0	0
								813	0	0	0	0	0
								Mean =	0	0	0	0	0
26	Brash	0.484	LB A/A	1	PT/A	FAL 2lf	B	211	0	95	80	80	50
								303	0	70	75	75	25
								503	0	80	90	90	90
								805	0	70	85	85	20
								Mean =	0	79	83	83	46

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									TRZAW	RANAB	CERVU	STEME	LAMAM
									CI	EFF	EFF	EFF	EFF
									%	%	%	%	%
									1/Dec/2005	1/Dec/2005	1/Dec/2005	1/Dec/2005	1/Dec/2005
									2 tiller				
									3"				
										2-3"rose	2"rosett	1"rosett	<1"roset
										25 YD2	10 YD2	2 YD2	20 YD2
									VMD and WGJ				
Trt	Treatment	Rate	Rate	Product	Product	Grow	Appl	Plot	1	2	3	4	5
No.	Name		Unit	Rate	Rate	Stg	Code						
27	Brash	0.484	LB A/A	1	PT/A	SPR BJ	C	212	0	0	0	0	0
								402	0	0	0	0	0
								605	0	0	0	0	0
								703	0	0	0	0	0
								Mean =	0	0	0	0	0
28	Brash	0.484	LB A/A	1	PT/A	SPR AJ	D	213	0	0	0	0	0
								413	0	0	0	0	0
								608	0	0	0	0	0
								710	0	0	0	0	0
								Mean =	0	0	0	0	0
29	Non-treated check							214	0	0	0	0	0
								307	0	0	0	0	0
								612	0	0	0	0	0
								811	0	0	0	0	0
								Mean =	0	0	0	0	0
30	Non-treated check							215	0	0	0	0	0
								405	0	0	0	0	0
								504	0	0	0	0	0
								701	0	0	0	0	0
								Mean =	0	0	0	0	0

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Weed Code									POAAN	RANAB	CERVU	STEME	LAMAM	LAMPU
Crop Code														
Rating Data Type									EFF	EFF	EFF	EFF	EFF	EFF
Rating Unit									%	%	%	%	%	%
Rating Date									1/Dec/2005	17/Mar/2006	17/Mar/2006	17/Mar/2006	17/Mar/2006	17/Mar/2006
Crop Stage										4 tiller				
Crop Stage Scale										6-8"				
Weed Stage									1"rosett	2-6"	2-4"	3-6"	2-4"	2-4"
Weed Density, Unit									15 YD2	15 YD2	5 YD2	2 YD2	2 YD2	15 YD2
Assessed By									VMD and VGJ	AW and VD				
Trt-Eval Interval										A + C				
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	6	7	8	9	10	11
1	Roundup OriginalMAX AMS	0.77 2.5	LB AE/A LB A/A	22 2.5	FL OZ/A LB/A	FALPRE FALPRE	A A	101	100	80	50	50	25	25
								308	100	50	70	70	50	50
								502	90	70	95	95	80	80
								806	95	90	80	80	85	85
								Mean =	96	73	74	74	60	60
2	Harmony Extra XP NIS	0.028 0.5	LB A/A % V/V	0.6 0.5	OZ/A % V/V	FAL 2lf FAL 2lf	B B	102	75	100	90	90	100	100
								305	75	100	100	100	100	100
								511	50	100	90	100	100	100
								704	15	100	100	100	90	90
								Mean =	54	100	95	98	98	98
3	Harmony Extra XP NIS	0.028 0.5	LB A/A % V/V	0.6 0.5	OZ/A % V/V	SPR BJ SPR BJ	C C	103	0	0	0	0	0	0
								310	0	0	0	0	0	0
								509	0	0	0	0	0	0
								702	0	0	0	0	0	0
								Mean =	0	0	0	0	0	0
4	Express NIS	0.0155 0.5	LB A/A % V/V	0.33 0.5	OZ/A % V/V	SPR BJ SPR BJ	C C	104	0	0	0	0	0	0
								306	0	0	0	0	0	0
								602	0	0	0	0	0	0
								801	0	0	0	0	0	0
								Mean =	0	0	0	0	0	0
5	Olympus NIS	0.0394 0.5	LB A/A % V/V	0.9 0.5	OZ/A % V/V	FAL 2lf FAL 2lf	B B	105	50	90	50	50	20	20
								309	50	90	60	60	0	0
								513	30	95	80	80	0	0
								711	0	80	50	50	0	0
								Mean =	33	89	60	60	5	5
6	Olympus NIS	0.0394 0.5	LB A/A % V/V	0.9 0.5	OZ/A % V/V	SPR BJ SPR BJ	C C	106	0	0	0	0	0	0
								414	0	0	0	0	0	0
								604	0	0	0	0	0	0
								709	0	0	0	0	0	0
								Mean =	0	0	0	0	0	0
7	Osprey NIS UAN 28%	0.0134 0.5 3.33	LB A/A % V/V % V/V	4.75 0.5 2	OZ/A % V/V QT/A	FAL 2lf FAL 2lf FAL 2lf	B B B	107	80	100	100	100	90	90
								304	90	100	100	100	95	95
								505	75	100	100	100	90	90
								802	50	100	100	100	80	80
								Mean =	74	100	100	100	89	89
8	Osprey NIS UAN 28%	0.0134 0.5 3.33	LB A/A % V/V % V/V	4.75 0.5 2	OZ/A % V/V QT/A	SPR BJ SPR BJ SPR BJ	C C C	108	0	0	0	0	0	0
								403	0	0	0	0	0	0
								515	0	0	0	0	0	0
								707	0	0	0	0	0	0
								Mean =	0	0	0	0	0	0
9	Olympus Flex NIS UAN 28%	0.0247 0.5 3.33	LB A/A % V/V % V/V	3.5 0.5 2	OZ/A % V/V QT/A	FAL 2lf FAL 2lf FAL 2lf	B B B	109	90	100	95	100	95	95
								415	100	.	.	.	.	.
								613	85	100	80	100	70	70
								814	70	90	90	90	90	90
								Mean =	86	97	88	97	85	85
10	Olympus Flex NIS UAN 28%	0.0247 0.5 3.33	LB A/A % V/V % V/V	3.5 0.5 2	OZ/A % V/V QT/A	SPR BJ SPR BJ SPR BJ	C C C	110	0	0	0	0	0	0
								311	0	0	0	0	0	0
								506	0	0	0	0	0	0
								815	0	0	0	0	0	0
								Mean =	0	0	0	0	0	0

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Weed Code									POAAN	RANAB	CERVU	STEME	LAMAM	LAMPU
Crop Code														
Rating Data Type									EFF	EFF	EFF	EFF	EFF	EFF
Rating Unit									%	%	%	%	%	%
Rating Date									1/Dec/2005	17/Mar/2006	17/Mar/2006	17/Mar/2006	17/Mar/2006	17/Mar/2006
Crop Stage										4 tiller				
Crop Stage Scale										6-8"				
Weed Stage									1"rosett	2-6"	2-4"	3-6"	2-4"	2-4"
Weed Density, Unit									15 YD2	15 YD2	5 YD2	2 YD2	2 YD2	15 YD2
Assessed By									VMD and WGJ	AW and VD				
Trt-Eval Interval										A + C				
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	6	7	8	9	10	11
11	Everest (MKH 6562)	0.35	OZ A/A	0.5	OZ/A	SPR BJ	C	111	0	0	0	0	0	0
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C	409	0	0	0	0	0	0
								603	0	0	0	0	0	0
								712	0	0	0	0	0	0
		Mean =							0	0	0	0	0	0
12	Everest (MKH 6562)	0.35	OZ A/A	0.5	OZ/A	SPR BJ	C	112	0	0	0	0	0	0
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C	408	0	0	0	0	0	0
	UAN 28%	2	QT/A	2	QT/A	SPR BJ	C	501	0	0	0	0	0	0
								714	0	0	0	0	0	0
		Mean =							0	0	0	0	0	0
13	Everest (MKH 6562)	0.42	OZ A/A	0.6	OZ/A	SPR BJ	C	113	0	0	0	0	0	0
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C	401	0	0	0	0	0	0
								611	0	0	0	0	0	0
								808	0	0	0	0	0	0
		Mean =							0	0	0	0	0	0
14	Everest (MKH 6562)	0.42	OZ A/A	0.6	OZ/A	SPR BJ	C	114	0	0	0	0	0	0
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C	404	0	0	0	0	0	0
	UAN 28%	2	QT/A	2	QT/A	SPR BJ	C	514	0	0	0	0	0	0
								708	0	0	0	0	0	0
		Mean =							0	0	0	0	0	0
15	Everest (MKH 6562)	0.35	OZ A/A	0.5	OZ/A	SPR BJ	C	115	0	0	0	0	0	0
	Harmony GT	0.2	OZ A/A	0.4	OZ/A	SPR BJ	C	315	0	0	0	0	0	0
	Express	0.1	OZ A/A	0.2	OZ/A	SPR BJ	C	610	0	0	0	0	0	0
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C	807	0	0	0	0	0	0
		Mean =							0	0	0	0	0	0
16	Everest (MKH 6562)	0.35	OZ A/A	0.5	OZ/A	SPR BJ	C	201	0	0	0	0	0	0
	Harmony GT	0.2	OZ A/A	0.4	OZ/A	SPR BJ	C	313	0	0	0	0	0	0
	Express	0.1	OZ A/A	0.2	OZ/A	SPR BJ	C	510	0	0	0	0	0	0
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C	705	0	0	0	0	0	0
	UAN 28%	2	QT/A	2	QT/A	SPR BJ	C		0	0	0	0	0	0
	Mean =							0	0	0	0	0	0	
17	Everest (MKH 6562)	0.42	OZ A/A	0.6	OZ/A	SPR BJ	C	202	0	0	0	0	0	0
	Harmony GT	0.25	OZ A/A	0.5	OZ/A	SPR BJ	C	312	0	0	0	0	0	0
	Express	0.125	OZ A/A	0.25	OZ/A	SPR BJ	C	614	0	0	0	0	0	0
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C	706	0	0	0	0	0	0
		Mean =							0	0	0	0	0	0
18	Everest (MKH 6562)	0.42	OZ A/A	0.6	OZ/A	SPR BJ	C	203	0	0	0	0	0	0
	Harmony GT	0.25	OZ A/A	0.5	OZ/A	SPR BJ	C	407	0	0	0	0	0	0
	Express	0.125	OZ A/A	0.25	OZ/A	SPR BJ	C	607	0	0	0	0	0	0
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C	812	0	0	0	0	0	0
	UAN 28%	2	QT/A	2	QT/A	SPR BJ	C		0	0	0	0	0	0
	Mean =							0	0	0	0	0	0	
19	Everest (MKH 6562)	0.35	OZ A/A	0.5	OZ/A	SPR BJ	C	204	0	0	0	0	0	0
	Glean PX	0.188	OZ A/A	0.25	OZ/A	SPR BJ	C	406	0	0	0	0	0	0
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C	512	0	0	0	0	0	0
								804	0	0	0	0	0	0
		Mean =							0	0	0	0	0	0

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Weed Code								POAAN	RANAB	CERVU	STEME	LAMAM	LAMPU	
Crop Code														
Rating Data Type								EFF	EFF	EFF	EFF	EFF	EFF	
Rating Unit								%	%	%	%	%	%	
Rating Date								1/Dec/2005	17/Mar/2006	17/Mar/2006	17/Mar/2006	17/Mar/2006	17/Mar/2006	
Crop Stage									4 tiller					
Crop Stage Scale									6-8"					
Weed Stage								1"rosett	2-6"	2-4"	3-6"	2-4"	2-4"	
Weed Density, Unit								15 YD2	15 YD2	5 YD2	2 YD2	2 YD2	15 YD2	
Assessed By								VMD and WGJ	AW and VD					
Trt-Eval Interval									A + C					
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	6	7	8	9	10	11
20	Clearmax							205	50	95	100	100	100	100
	Beyond	0.0316	LB A/A	4	FL OZ/A	FAL 2lf	B	410	50	100	90	100	80	80
	MCPA-Ester	0.25	LB A/A	8	FL OZ/A	FAL 2lf	B	508	90	100	90	100	90	90
	UAN 28%	2.5	% V/V	1.5	QT/A	FAL 2lf	B	713	50	100	70	70	60	60
	NIS	0.25	% V/V	0.25	% V/V	FAL 2lf	B							
	Mean =								60	99	88	93	83	83
21	Clearmax							206	0	0	0	0	0	0
	Beyond	0.0316	LB A/A	4	FL OZ/A	SPR BJ	C	314	0	0	0	0	0	0
	MCPA-Ester	0.25	LB A/A	8	FL OZ/A	SPR BJ	C	606	0	0	0	0	0	0
	UAN 28%	2.5	% V/V	1.5	QT/A	SPR BJ	C	715	0	0	0	0	0	0
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C							
	Mean =								0	0	0	0	0	0
22	Clearmax							207	75	100	100	100	90	90
	Beyond	0.0316	LB A/A	4	FL OZ/A	FAL 2lf	B	302	70	100	100	100	90	90
	MCPA-Ester	0.25	LB A/A	8	FL OZ/A	FAL 2lf	B	615	90	100	95	100	100	100
	UAN 28%	2.5	% V/V	1.5	QT/A	FAL 2lf	B	809	30	100	80	80	75	75
	NIS	0.25	% V/V	0.25	% V/V	FAL 2lf	B							
	Beyond	0.0316	LB A/A	4	FL OZ/A	SPR BJ	C							
	MCPA-Ester	0.25	LB A/A	8	FL OZ/A	SPR BJ	C							
	UAN 28%	2.5	% V/V	1.5	QT/A	SPR BJ	C							
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C							
	Mean =								66	100	94	95	89	89
23	Clearmax							208	0	0	0	0	0	0
	Beyond	0.0316	LB A/A	4	FL OZ/A	SPR BJ	C	301	0	0	0	0	0	0
	MCPA-Ester	0.25	LB A/A	8	FL OZ/A	SPR BJ	C	507	0	0	0	0	0	0
	UAN 28%	2.5	% V/V	1.5	QT/A	SPR BJ	C	810	0	0	0	0	0	0
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C							
	Headline	0.049	LB A/A	3	FL OZ/A	SPR BJ	C							
	Mean =								0	0	0	0	0	0
24	Beyond	0.0316	LB A/A	4	FL OZ/A	FAL 2lf	B	209	100	100	90	90	50	50
	NIS	0.25	% V/V	0.25	% V/V	FAL 2lf	B	411	80	100	85	85	100	100
	UAN 28%	2.5	% V/V	1.5	QT/A	FAL 2lf	B	609	60	90	80	100	75	75
								803	40	100	100	100	90	90
	Mean =								70	98	89	94	79	79
25	Beyond	0.0316	LB A/A	4	FL OZ/A	SPR BJ	C	210	0	0	0	0	0	0
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C	412	0	0	0	0	0	0
	UAN 28%	2.5	% V/V	1.5	QT/A	SPR BJ	C	601	0	0	0	0	0	0
								813	0	0	0	0	0	0
	Mean =								0	0	0	0	0	0
26	Brash	0.484	LB A/A	1	PT/A	FAL 2lf	B	211	20	100	100	100	100	100
								303	0	95	100	100	90	90
								503	0	100	100	100	100	100
								805	0	100	100	100	85	85
	Mean =								5	99	100	100	94	94
27	Brash	0.484	LB A/A	1	PT/A	SPR BJ	C	212	0	0	0	0	0	0
								402	0	0	0	0	0	0
								605	0	0	0	0	0	0
								703	0	0	0	0	0	0
	Mean =								0	0	0	0	0	0

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									POAAN	RANAB	CERVU	STEME	LAMAM	LAMPU
									EFF	EFF	EFF	EFF	EFF	EFF
									%	%	%	%	%	%
									1/Dec/2005	17/Mar/2006	17/Mar/2006	17/Mar/2006	17/Mar/2006	17/Mar/2006
										4 tiller				
										6-8"				
									1"rosett	2-6"	2-4"	3-6"	2-4"	2-4"
									15 YD2	15 YD2	5 YD2	2 YD2	2 YD2	15 YD2
									VMD and WGJ	AW and VD				
										A + C				
Trt	Treatment	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	6	7	8	9	10	11
28	Brash	0.484	LB A/A	1	PT/A	SPR AJ	D	213	0	0	0	0	0	0
								413	0	0	0	0	0	0
								608	0	0	0	0	0	0
								710	0	0	0	0	0	0
								Mean =	0	0	0	0	0	0
29	Non-treated check							214	0	0	0	0	0	0
								307	0	0	0	0	0	0
								612	0	0	0	0	0	0
								811	0	0	0	0	0	0
								Mean =	0	0	0	0	0	0
30	Non-treated check							215	0	0	0	0	0	0
								405	0	0	0	0	0	0
								504	0	0	0	0	0	0
								701	0	0	0	0	0	0
								Mean =	0	0	0	0	0	0

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Weed Code									POAAN	RANAB	CERVU	STEME	LAMAM	PAMPU
Crop Code														
Rating Data Type									EFF	EFF	EFF	EFF	EFF	EFF
Rating Unit									%	%	%	%	%	%
Rating Date									17/Mar/2006	28/Mar/2006	28/Mar/2006	28/Mar/2006	28/Mar/2006	28/Mar/2006
Crop Stage														
Crop Stage Scale														
Weed Stage									1-3"	2-3"rose	1"rosett	5-6"rose	4" ht	4" ht
Weed Density, Unit									10 YD2	20 YD2	2 YD2	10 YD2	2 YD2	2 YD2
Assessed By									AW and VD	EC and AW				
Trt-Eval Interval														
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	12	13	14	15	16	17
1	Roundup OriginalMAX AMS	0.77 2.5	LB AE/A LB A/A	22 2.5	FL OZ/A LB/A	FALPRE FALPRE	A A	101	80	97	50	50	50	50
								308	100	.	.	.	.	
								502	100	60	100	95	95	
								806	90	20	100	90	60	
								Mean =	93	59	83	80	68	68
2	Harmony Extra XP NIS	0.028 0.5	LB A/A % V/V	0.6 0.5	OZ/A % V/V	FAL 2lf FAL 2lf	B B	102	75	100	100	100	100	100
								305	30	100	100	100	100	
								511	95	100	100	100	100	
								704	0	100	100	100	100	
								Mean =	50	100	100	100	100	100
3	Harmony Extra XP NIS	0.028 0.5	LB A/A % V/V	0.6 0.5	OZ/A % V/V	SPR BJ SPR BJ	C C	103	0	0	0	0	0	0
								310	0	0	0	0	0	
								509	0	0	0	0	0	
								702	0	0	0	0	0	
								Mean =	0	0	0	0	0	0
4	Express NIS	0.0155 0.5	LB A/A % V/V	0.33 0.5	OZ/A % V/V	SPR BJ SPR BJ	C C	104	0	0	0	0	0	0
								306	0	0	0	0	0	
								602	0	0	0	0	0	
								801	0	0	5	5	0	
								Mean =	0	0	1	1	0	0
5	Olympus NIS	0.0394 0.5	LB A/A % V/V	0.9 0.5	OZ/A % V/V	FAL 2lf FAL 2lf	B B	105	20	90	80	100	30	30
								309	80	.	.	.	.	
								513	80	100	0	0	0	
								711	0	95	0	0	0	
								Mean =	45	95	27	33	10	10
6	Olympus NIS	0.0394 0.5	LB A/A % V/V	0.9 0.5	OZ/A % V/V	SPR BJ SPR BJ	C C	106	0	0	0	0	0	0
								414	0	0	0	0	0	
								604	0	0	0	0	0	
								709	0	0	0	0	0	
								Mean =	0	0	0	0	0	0
7	Osprey NIS UAN 28%	0.0134 0.5 3.33	LB A/A % V/V % V/V	4.75 0.5 2	OZ/A % V/V QT/A	FAL 2lf FAL 2lf FAL 2lf	B B B	107	95	100	100	100	90	90
								304	95	100	95	100	100	
								505	100	100	100	100	100	
								802	80	100	100	100	90	
								Mean =	93	100	99	100	95	95
8	Osprey NIS UAN 28%	0.0134 0.5 3.33	LB A/A % V/V % V/V	4.75 0.5 2	OZ/A % V/V QT/A	SPR BJ SPR BJ SPR BJ	C C C	108	0	0	0	0	0	0
								403	0	0	0	0	0	
								515	0	0	0	0	0	
								707	0	0	0	0	0	
								Mean =	0	0	0	0	0	0
9	Olympus Flex NIS UAN 28%	0.0247 0.5 3.33	LB A/A % V/V % V/V	3.5 0.5 2	OZ/A % V/V QT/A	FAL 2lf FAL 2lf FAL 2lf	B B B	109	95	100	100	100	100	100
								415	.	.	.	.	.	
								613	90	100	95	100	90	
								814	70	100	90	100	95	
								Mean =	85	100	95	100	95	95
10	Olympus Flex NIS UAN 28%	0.0247 0.5 3.33	LB A/A % V/V % V/V	3.5 0.5 2	OZ/A % V/V QT/A	SPR BJ SPR BJ SPR BJ	C C C	110	0	0	0	0	0	0
								311	0	0	0	0	0	
								506	0	0	0	0	0	
								815	0	0	0	0	0	
								Mean =	0	0	0	0	0	0

# Purdue University

Weed Code									POAAN	RANAB	CERVU	STEME	LAMAM	PAMPU
Crop Code														
Rating Data Type									EFF	EFF	EFF	EFF	EFF	EFF
Rating Unit									%	%	%	%	%	%
Rating Date									17/Mar/2006	28/Mar/2006	28/Mar/2006	28/Mar/2006	28/Mar/2006	28/Mar/2006
Crop Stage														
Crop Stage Scale														
Weed Stage									1-3"	2-3"rose	1"rosett	5-6"rose	4" ht	4" ht
Weed Density, Unit									10 YD2	20 YD2	2 YD2	10 YD2	2 YD2	2 YD2
Assessed By									AW and VD	EC and AW				
Trt-Eval Interval														
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	12	13	14	15	16	17
11	Everest (MKH 6562)	0.35	OZ A/A	0.5	OZ/A	SPR BJ	C	111	0	0	0	0	0	0
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C	409	0	0	0	0	0	0
								603	0	0	0	0	0	0
								712	0	0	0	0	0	0
	Mean =								0	0	0	0	0	0
12	Everest (MKH 6562)	0.35	OZ A/A	0.5	OZ/A	SPR BJ	C	112	0	0	0	0	0	0
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C	408	0	0	0	0	0	0
	UAN 28%	2	QT/A	2	QT/A	SPR BJ	C	501	0	0	0	0	0	0
								714	0	0	0	0	0	0
Mean =								0	0	0	0	0	0	
13	Everest (MKH 6562)	0.42	OZ A/A	0.6	OZ/A	SPR BJ	C	113	0	0	0	0	0	0
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C	401	0	0	0	0	0	0
								611	0	0	0	0	0	0
								808	0	0	0	0	0	0
Mean =								0	0	0	0	0	0	
14	Everest (MKH 6562)	0.42	OZ A/A	0.6	OZ/A	SPR BJ	C	114	0	0	0	0	0	0
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C	404	0	0	0	0	0	0
	UAN 28%	2	QT/A	2	QT/A	SPR BJ	C	514	0	0	0	0	0	0
								708	0	5	0	0	0	0
Mean =								0	1	0	0	0	0	
15	Everest (MKH 6562)	0.35	OZ A/A	0.5	OZ/A	SPR BJ	C	115	0	0	0	0	0	0
	Harmony GT	0.2	OZ A/A	0.4	OZ/A	SPR BJ	C	315	0	0	0	0	0	0
	Express	0.1	OZ A/A	0.2	OZ/A	SPR BJ	C	610	0	0	0	0	0	0
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C	807	0	0	0	0	0	0
Mean =								0	0	0	0	0	0	
16	Everest (MKH 6562)	0.35	OZ A/A	0.5	OZ/A	SPR BJ	C	201	0	0	0	0	0	0
	Harmony GT	0.2	OZ A/A	0.4	OZ/A	SPR BJ	C	313	0	0	0	0	0	0
	Express	0.1	OZ A/A	0.2	OZ/A	SPR BJ	C	510	0	0	0	0	0	0
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C	705	0	0	0	0	0	0
	UAN 28%	2	QT/A	2	QT/A	SPR BJ	C		0	0	0	0	0	0
Mean =								0	0	0	0	0	0	
17	Everest (MKH 6562)	0.42	OZ A/A	0.6	OZ/A	SPR BJ	C	202	0	0	0	0	0	0
	Harmony GT	0.25	OZ A/A	0.5	OZ/A	SPR BJ	C	312	0	0	0	0	0	0
	Express	0.125	OZ A/A	0.25	OZ/A	SPR BJ	C	614	0	0	0	0	0	0
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C	706	0	0	0	0	0	0
Mean =								0	0	0	0	0	0	
18	Everest (MKH 6562)	0.42	OZ A/A	0.6	OZ/A	SPR BJ	C	203	0	0	0	0	0	0
	Harmony GT	0.25	OZ A/A	0.5	OZ/A	SPR BJ	C	407	0	0	0	0	0	0
	Express	0.125	OZ A/A	0.25	OZ/A	SPR BJ	C	607	0	0	0	0	0	0
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C	812	0	0	0	0	0	0
	UAN 28%	2	QT/A	2	QT/A	SPR BJ	C		0	0	0	0	0	0
Mean =								0	0	0	0	0	0	
19	Everest (MKH 6562)	0.35	OZ A/A	0.5	OZ/A	SPR BJ	C	204	0	0	0	0	0	0
	Glean PX	0.188	OZ A/A	0.25	OZ/A	SPR BJ	C	406	0	0	0	0	0	0
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C	512	0	0	0	0	0	0
								804	0	0	0	0	0	0
Mean =								0	0	0	0	0	0	

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Weed Code								POAAN	RANAB	CERVU	STEME	LAMAM	PAMPU	
Crop Code														
Rating Data Type								EFF	EFF	EFF	EFF	EFF	EFF	
Rating Unit								%	%	%	%	%	%	
Rating Date								17/Mar/2006	28/Mar/2006	28/Mar/2006	28/Mar/2006	28/Mar/2006	28/Mar/2006	
Crop Stage														
Crop Stage Scale														
Weed Stage								1-3"	2-3"rose	1"rosett	5-6"rose	4" ht	4" ht	
Weed Density, Unit								10 YD2	20 YD2	2 YD2	10 YD2	2 YD2	2 YD2	
Assessed By								AW and VD	EC and AW					
Trt-Eval Interval														
Trt No.	Treatment Name	Rate	Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	12	13	14	15	16	17
20	Clearmax							205	85	100	100	100	100	100
	Beyond	0.0316	LB A/A	4	FL OZ/A	FAL 2lf	B	410	90	100	100	100	90	90
	MCPA-Ester	0.25	LB A/A	8	FL OZ/A	FAL 2lf	B	508	70	100	100	100	100	100
	UAN 28%	2.5	% V/V	1.5	QT/A	FAL 2lf	B	713	60	100	100	100	50	50
	NIS	0.25	% V/V	0.25	% V/V	FAL 2lf	B							
	Mean =								76	100	100	100	85	85
21	Clearmax							206	0	0	0	0	0	0
	Beyond	0.0316	LB A/A	4	FL OZ/A	SPR BJ	C	314	0	0	0	0	0	0
	MCPA-Ester	0.25	LB A/A	8	FL OZ/A	SPR BJ	C	606	0	0	0	0	0	0
	UAN 28%	2.5	% V/V	1.5	QT/A	SPR BJ	C	715	0	10	0	0	0	0
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C							
	Mean =								0	3	0	0	0	0
22	Clearmax							207	80	100	100	100	90	90
	Beyond	0.0316	LB A/A	4	FL OZ/A	FAL 2lf	B	302	90	100	100	100	100	100
	MCPA-Ester	0.25	LB A/A	8	FL OZ/A	FAL 2lf	B	615	90	100	98	100	100	100
	UAN 28%	2.5	% V/V	1.5	QT/A	FAL 2lf	B	809	80	100	75	75	75	75
	NIS	0.25	% V/V	0.25	% V/V	FAL 2lf	B							
	Beyond	0.0316	LB A/A	4	FL OZ/A	SPR BJ	C							
	MCPA-Ester	0.25	LB A/A	8	FL OZ/A	SPR BJ	C							
	UAN 28%	2.5	% V/V	1.5	QT/A	SPR BJ	C							
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C							
	Mean =								85	100	93	94	91	91
23	Clearmax							208	0	0	0	0	0	0
	Beyond	0.0316	LB A/A	4	FL OZ/A	SPR BJ	C	301	0	0	0	0	0	0
	MCPA-Ester	0.25	LB A/A	8	FL OZ/A	SPR BJ	C	507	0	0	0	0	0	0
	UAN 28%	2.5	% V/V	1.5	QT/A	SPR BJ	C	810	0	0	0	0	0	0
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C							
	Headline	0.049	LB A/A	3	FL OZ/A	SPR BJ	C							
	Mean =								0	0	0	0	0	0
24	Beyond	0.0316	LB A/A	4	FL OZ/A	FAL 2lf	B	209	50	100	100	100	95	95
	NIS	0.25	% V/V	0.25	% V/V	FAL 2lf	B	411	70	100	100	100	100	100
	UAN 28%	2.5	% V/V	1.5	QT/A	FAL 2lf	B	609	65	100	95	95	95	95
								803	70	100	100	100	90	90
	Mean =								64	100	99	99	95	95
25	Beyond	0.0316	LB A/A	4	FL OZ/A	SPR BJ	C	210	0	0	0	0	0	0
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C	412	0	0	0	0	0	0
	UAN 28%	2.5	% V/V	1.5	QT/A	SPR BJ	C	601	0	0	0	0	0	0
								813	0	0	0	0	0	0
	Mean =								0	0	0	0	0	0
26	Brash	0.484	LB A/A	1	PT/A	FAL 2lf	B	211	50	100	100	100	100	100
								303	0	100	100	100	95	95
								503	0	100	100	100	100	100
								805	0	100	100	100	70	70
	Mean =								13	100	100	100	91	91
27	Brash	0.484	LB A/A	1	PT/A	SPR BJ	C	212	0	0	0	0	0	0
								402	0	0	0	0	0	0
								605	0	0	0	0	0	0
								703	0	0	0	0	0	0
	Mean =								0	0	0	0	0	0

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									POAAN	RANAB	CERVU	STEME	LAMAM	PAMPU
									EFF	EFF	EFF	EFF	EFF	EFF
									%	%	%	%	%	%
									17/Mar/2006	28/Mar/2006	28/Mar/2006	28/Mar/2006	28/Mar/2006	28/Mar/2006
									1-3"	2-3"rose	1"rosett	5-6"rose	4" ht	4" ht
									10 YD2	20 YD2	2 YD2	10 YD2	2 YD2	2 YD2
									AW and VD	EC and AW				
Trt	Treatment	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	12	13	14	15	16	17
28	Brash	0.484	LB A/A	1	PT/A	SPR AJ	D	213	0	0	0	0	0	0
								413	0	0	0	0	0	0
								608	0	0	0	0	0	0
								710	0	0	0	0	0	0
								Mean =	0	0	0	0	0	0
29	Non-treated check							214	0	0	0	0	0	0
								307	0	0	0	0	0	0
								612	0	0	0	0	0	0
								811	0	0	0	0	0	0
								Mean =	0	0	0	0	0	0
30	Non-treated check							215	0	0	0	0	0	0
								405	0	0	0	0	0	0
								504	0	0	0	0	0	0
								701	0	0	0	0	0	0
								Mean =	0	0	0	0	0	0

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Weed Code									POAAN	TRZAW	POAAN	LAMAM	STEME	CERVU
Crop Code									EFF	CI	EFF	EFF	EFF	EFF
Rating Data Type									%	%	%	%	%	%
Rating Unit									28/Mar/2006	28/Mar/2006	19/Apr/2006	19/Apr/2006	19/Apr/2006	19/Apr/2006
Rating Date														
Crop Stage														
Crop Stage Scale														
Weed Stage									1-2"		12"	11"	6"	6"
Weed Density, Unit									10 YD2		9 YD2	3 YD2	4 YD2	4 YD2
Assessed By									EC and AW	EC and AW	BJ and GN	BJ and GN	BJ and GN	BJ and GN
Trt-Eval Interval														
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	18	19	20	21	22	23
1	Roundup OriginalMAX AMS	0.77 2.5	LB AE/A LB A/A	22 2.5	FL OZ/A LB/A	FALPRE FALPRE	A A	101	98	0	40	50	70	100
								308	.	.	85	100	50	90
								502	100	0	99	99	99	100
								806	98	0	90	95	100	100
								Mean =	99	0	79	86	80	98
2	Harmony Extra XP NIS	0.028 0.5	LB A/A % V/V	0.6 0.5	OZ/A % V/V	FAL 2lf FAL 2lf	B B	102	95	0	70	100	100	100
								305	95	0	85	100	100	100
								511	99	0	100	100	100	100
								704	0	0	20	95	98	100
								Mean =	72	0	69	99	100	100
3	Harmony Extra XP NIS	0.028 0.5	LB A/A % V/V	0.6 0.5	OZ/A % V/V	SPR BJ SPR BJ	C C	103	0	0	80	85	100	100
								310	0	0	80	5	40	60
								509	0	0	60	40	20	90
								702	0	0	90	90	90	100
								Mean =	0	0	78	55	63	88
4	Express NIS	0.0155 0.5	LB A/A % V/V	0.33 0.5	OZ/A % V/V	SPR BJ SPR BJ	C C	104	0	0	80	95	100	100
								306	0	0	80	100	100	100
								602	20	0	85	95	98	100
								801	0	0	85	95	100	100
								Mean =	5	0	83	96	100	100
5	Olympus NIS	0.0394 0.5	LB A/A % V/V	0.9 0.5	OZ/A % V/V	FAL 2lf FAL 2lf	B B	105	90	0	85	75	100	100
								309	.	.	45	0	0	0
								513	90	0	90	35	85	100
								711	0	0	40	20	90	100
								Mean =	60	0	65	33	69	75
6	Olympus NIS	0.0394 0.5	LB A/A % V/V	0.9 0.5	OZ/A % V/V	SPR BJ SPR BJ	C C	106	0	0	95	100	100	95
								414	0	0	30	90	75	45
								604	0	0	60	50	87	90
								709	0	0	70	5	10	50
								Mean =	0	0	64	61	68	70
7	Osprey NIS UAN 28%	0.0134 0.5 3.33	LB A/A % V/V % V/V	4.75 0.5 2	OZ/A % V/V QT/A	FAL 2lf FAL 2lf FAL 2lf	B B B	107	100	0	100	99	100	100
								304	100	0	100	100	100	100
								505	100	0	100	99	100	100
								802	90	0	95	90	98	100
								Mean =	98	0	99	97	100	100
8	Osprey NIS UAN 28%	0.0134 0.5 3.33	LB A/A % V/V % V/V	4.75 0.5 2	OZ/A % V/V QT/A	SPR BJ SPR BJ SPR BJ	C C C	108	0	0	90	95	100	100
								403	0	0	99	100	65	100
								515	0	0	95	98	95	97
								707	0	0	95	40	98	100
								Mean =	0	0	95	83	90	99
9	Olympus Flex NIS UAN 28%	0.0247 0.5 3.33	LB A/A % V/V % V/V	3.5 0.5 2	OZ/A % V/V QT/A	FAL 2lf FAL 2lf FAL 2lf	B B B	109	100	0	100	90	100	90
								415	.	.	99	100	100	100
								613	100	0	100	90	90	100
								814	98	0	97	99	100	100
								Mean =	99	0	99	95	98	98
10	Olympus Flex NIS UAN 28%	0.0247 0.5 3.33	LB A/A % V/V % V/V	3.5 0.5 2	OZ/A % V/V QT/A	SPR BJ SPR BJ SPR BJ	C C C	110	0	0	80	90	100	100
								311	0	0	100	20	70	95
								506	0	0	100	100	80	85
								815	50	0	75	98	100	100
								Mean =	13	0	89	77	88	95

# Purdue University

Weed Code									POAAN	TRZAW	POAAN	LAMAM	STEME	CERVU
Crop Code									EFF	CI	EFF	EFF	EFF	EFF
Rating Data Type									%	%	%	%	%	%
Rating Unit									28/Mar/2006	28/Mar/2006	19/Apr/2006	19/Apr/2006	19/Apr/2006	19/Apr/2006
Rating Date														
Crop Stage														
Crop Stage Scale														
Weed Stage									1-2"		12"	11"	6"	6"
Weed Density, Unit									10 YD2		9 YD2	3 YD2	4 YD2	4 YD2
Assessed By									EC and AW	EC and AW	BJ and GN	BJ and GN	BJ and GN	BJ and GN
Trt-Eval Interval														
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	18	19	20	21	22	23
11	Everest (MKH 6562)	0.35	OZ A/A	0.5	OZ/A	SPR BJ	C	111	0	0	95	80	100	100
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C	409	0	0	40	40	30	50
								603	0	0	70	25	50	100
								712	0	0	95	15	78	100
	Mean =								0	0	75	40	65	88
12	Everest (MKH 6562)	0.35	OZ A/A	0.5	OZ/A	SPR BJ	C	112	0	0	80	90	100	100
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C	408	0	0	100	100	30	20
	UAN 28%	2	QT/A	2	QT/A	SPR BJ	C	501	0	0	90	90	70	100
								714	0	0	95	45	98	100
	Mean =								0	0	91	81	75	80
13	Everest (MKH 6562)	0.42	OZ A/A	0.6	OZ/A	SPR BJ	C	113	0	0	80	80	100	100
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C	401	0	0	80	85	85	100
								611	0	0	88	90	70	100
								808	0	0	70	100	100	100
	Mean =								0	0	80	89	89	100
14	Everest (MKH 6562)	0.42	OZ A/A	0.6	OZ/A	SPR BJ	C	114	0	0	50	75	100	100
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C	404	0	0	98	95	75	100
	UAN 28%	2	QT/A	2	QT/A	SPR BJ	C	514	0	0	100	60	75	90
								708	0	0	70	15	.	50
	Mean =								0	0	80	61	83	85
15	Everest (MKH 6562)	0.35	OZ A/A	0.5	OZ/A	SPR BJ	C	115	0	0	70	90	100	98
	Harmony GT	0.2	OZ A/A	0.4	OZ/A	SPR BJ	C	315	0	0	93	100	100	100
	Express	0.1	OZ A/A	0.2	OZ/A	SPR BJ	C	610	0	0	95	90	96	100
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C	807	0	0	60	90	100	100
	Mean =								0	0	80	93	99	100
16	Everest (MKH 6562)	0.35	OZ A/A	0.5	OZ/A	SPR BJ	C	201	0	0	100	100	100	100
	Harmony GT	0.2	OZ A/A	0.4	OZ/A	SPR BJ	C	313	0	0	75	75	95	100
	Express	0.1	OZ A/A	0.2	OZ/A	SPR BJ	C	510	0	0	95	25	80	100
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C	705	0	0	40	50	95	100
	UAN 28%	2	QT/A	2	QT/A	SPR BJ	C							
Mean =								0	0	78	63	93	100	
17	Everest (MKH 6562)	0.42	OZ A/A	0.6	OZ/A	SPR BJ	C	202	0	0	95	100	100	100
	Harmony GT	0.25	OZ A/A	0.5	OZ/A	SPR BJ	C	312	0	0	80	50	100	90
	Express	0.125	OZ A/A	0.25	OZ/A	SPR BJ	C	614	0	0	95	70	100	100
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C	706	0	0	90	60	95	100
	Mean =								0	0	90	70	99	98
18	Everest (MKH 6562)	0.42	OZ A/A	0.6	OZ/A	SPR BJ	C	203	0	0	100	90	100	100
	Harmony GT	0.25	OZ A/A	0.5	OZ/A	SPR BJ	C	407	0	0	95	100	98	90
	Express	0.125	OZ A/A	0.25	OZ/A	SPR BJ	C	607	0	0	95	100	98	100
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C	812	0	0	65	75	100	100
	UAN 28%	2	QT/A	2	QT/A	SPR BJ	C							
Mean =								0	0	89	91	99	98	
19	Everest (MKH 6562)	0.35	OZ A/A	0.5	OZ/A	SPR BJ	C	204	0	0	80	100	100	100
	Glean PX	0.188	OZ A/A	0.25	OZ/A	SPR BJ	C	406	0	0	97	100	98	100
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C	512	0	0	100	75	100	90
								804	0	0	40	100	100	100
	Mean =								0	0	79	94	100	98

# Purdue University

Weed Code								POAAN	TRZAW	POAAN	LAMAM	STEME	CERVU	
Crop Code														
Rating Data Type								EFF	CI	EFF	EFF	EFF	EFF	
Rating Unit								%	%	%	%	%	%	
Rating Date								28/Mar/2006	28/Mar/2006	19/Apr/2006	19/Apr/2006	19/Apr/2006	19/Apr/2006	
Crop Stage														
Crop Stage Scale														
Weed Stage								1-2"		12"	11"	6"	6"	
Weed Density, Unit								10 YD2		9 YD2	3 YD2	4 YD2	4 YD2	
Assessed By								EC and AW	EC and AW	BJ and GN	BJ and GN	BJ and GN	BJ and GN	
Trt-Eval Interval														
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	18	19	20	21	22	23
20	Clearmax							205	95	5	98	100	100	100
	Beyond	0.0316	LB A/A	4	FL OZ/A	FAL 2lf	B	410	70	0	96	100	100	100
	MCPA-Ester	0.25	LB A/A	8	FL OZ/A	FAL 2lf	B	508	90	0	90	100	100	100
	UAN 28%	2.5	% V/V	1.5	QT/A	FAL 2lf	B	713	90	0	90	75	99	99
	NIS	0.25	% V/V	0.25	% V/V	FAL 2lf	B							
	Mean =								86	1	94	94	100	100
21	Clearmax							206	0	0	90	100	100	98
	Beyond	0.0316	LB A/A	4	FL OZ/A	SPR BJ	C	314	0	0	95	95	80	70
	MCPA-Ester	0.25	LB A/A	8	FL OZ/A	SPR BJ	C	606	0	0	40	25	25	20
	UAN 28%	2.5	% V/V	1.5	QT/A	SPR BJ	C	715	0	0	85	98	95	100
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C							
	Mean =								0	0	78	80	75	72
22	Clearmax							207	100	0	100	100	100	100
	Beyond	0.0316	LB A/A	4	FL OZ/A	FAL 2lf	B	302	95	0	98	100	100	100
	MCPA-Ester	0.25	LB A/A	8	FL OZ/A	FAL 2lf	B	615	95	5	99	99	99	100
	UAN 28%	2.5	% V/V	1.5	QT/A	FAL 2lf	B	809	0	5	60	70	100	100
	NIS	0.25	% V/V	0.25	% V/V	FAL 2lf	B							
	Beyond	0.0316	LB A/A	4	FL OZ/A	SPR BJ	C							
	MCPA-Ester	0.25	LB A/A	8	FL OZ/A	SPR BJ	C							
	UAN 28%	2.5	% V/V	1.5	QT/A	SPR BJ	C							
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C							
	Mean =								73	3	89	92	100	100
23	Clearmax							208	0	0	98	85	100	100
	Beyond	0.0316	LB A/A	4	FL OZ/A	SPR BJ	C	301	0	0	98	100	100	85
	MCPA-Ester	0.25	LB A/A	8	FL OZ/A	SPR BJ	C	507	0	0	85	80	45	65
	UAN 28%	2.5	% V/V	1.5	QT/A	SPR BJ	C	810	0	0	50	50	90	70
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C							
	Headline	0.049	LB A/A	3	FL OZ/A	SPR BJ	C							
	Mean =								0	0	83	79	84	80
24	Beyond	0.0316	LB A/A	4	FL OZ/A	FAL 2lf	B	209	100	0	95	100	100	100
	NIS	0.25	% V/V	0.25	% V/V	FAL 2lf	B	411	95	0	90	100	100	100
	UAN 28%	2.5	% V/V	1.5	QT/A	FAL 2lf	B	609	95	0	96	98	99	99
								803	0	0	65	100	100	100
	Mean =								73	0	87	100	100	100
25	Beyond	0.0316	LB A/A	4	FL OZ/A	SPR BJ	C	210	0	0	60	60	100	70
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C	412	0	0	90	80	95	85
	UAN 28%	2.5	% V/V	1.5	QT/A	SPR BJ	C	601	0	0	90	85	99	100
								813	0	0	75	90	100	100
	Mean =								0	0	79	79	99	89
26	Brash	0.484	LB A/A	1	PT/A	FAL 2lf	B	211	10	30	50	100	100	100
								303	0	10	0	100	100	100
								503	0	15	40	95	100	100
								805	0	10	0	70	100	100
	Mean =								3	16	23	91	100	100
27	Brash	0.484	LB A/A	1	PT/A	SPR BJ	C	212	0	0	25	50	100	100
								402	0	0	100	100	80	80
								605	0	0	30	20	20	90
								703	0	0	20	10	100	100
	Mean =								0	0	44	45	75	93

# Purdue University

									POAAN	TRZAW	POAAN	LAMAM	STEME	CERVU
									EFF	CI	EFF	EFF	EFF	EFF
									%	%	%	%	%	%
									28/Mar/2006	28/Mar/2006	19/Apr/2006	19/Apr/2006	19/Apr/2006	19/Apr/2006
									1-2"		12"	11"	6"	6"
									10 YD2		9 YD2	3 YD2	4 YD2	4 YD2
									EC and AW	EC and AW	BJ and GN	BJ and GN	BJ and GN	BJ and GN
Trt No.	Treatment Name	Rate	Product Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	18	19	20	21	22	23
28	Brash	0.484	LB A/A	1	PT/A	SPR AJ	D	213	0	0	15	0	20	0
								413	0	0	20	0	60	0
								608	0	0	60	70	60	95
								710	0	0	85	15	60	70
								Mean =	0	0	45	21	50	41
29	Non-treated check							214	0	0	0	0	0	0
								307	0	0	0	0	0	0
								612	0	0	0	0	0	0
								811	0	0	0	0	0	0
								Mean =	0	0	0	0	0	0
30	Non-treated check							215	0	0	0	0	0	0
								405	0	0	0	0	0	0
								504	0	0	0	0	0	0
								701	0	0	0	0	0	0
								Mean =	0	0	0	0	0	0

# Purdue University

Weed Code									RANAB	TRZAW	GLXMA
Crop Code											
Rating Data Type									EFF	CI	CI
Rating Unit									%	%	%
Rating Date									19/Apr/2006	19/Apr/2006	20/Jul/2006
Crop Stage											
Crop Stage Scale										18"	VC
Weed Stage									15"		4-6"
Weed Density, Unit									20 YD2		
Assessed By									BJ and GN	BJ and GN	EC
Trt-Eval Interval											
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	24	25	26
1	Roundup OriginalMAX AMS	0.77 2.5	LB AE/A LB A/A	22 2.5	FL OZ/A LB/A	FALPRE FALPRE	A A	101	70	0	0
								308	50	0	10
								502	50	0	0
								806	85	0	0
								Mean =			
2	Harmony Extra XP NIS	0.028 0.5	LB A/A % V/V	0.6 0.5	OZ/A % V/V	FAL 2lf FAL 2lf	B B	102	100	0	0
								305	100	10	10
								511	100	15	0
								704	100	0	0
Mean =								100	6	3	
3	Harmony Extra XP NIS	0.028 0.5	LB A/A % V/V	0.6 0.5	OZ/A % V/V	SPR BJ SPR BJ	C C	103	100	0	0
								310	100	0	0
								509	90	0	0
								702	100	10	5
Mean =								98	3	1	
4	Express NIS	0.0155 0.5	LB A/A % V/V	0.33 0.5	OZ/A % V/V	SPR BJ SPR BJ	C C	104	100	10	10
								306	95	0	10
								602	100	10	0
								801	98	0	0
Mean =								98	5	5	
5	Olympus NIS	0.0394 0.5	LB A/A % V/V	0.9 0.5	OZ/A % V/V	FAL 2lf FAL 2lf	B B	105	98	10	10
								309	85	5	0
								513	100	5	0
								711	95	10	0
Mean =								95	8	3	
6	Olympus NIS	0.0394 0.5	LB A/A % V/V	0.9 0.5	OZ/A % V/V	SPR BJ SPR BJ	C C	106	98	0	0
								414	80	10	0
								604	80	0	0
								709	100	0	0
Mean =								90	3	0	
7	Osprey NIS UAN 28%	0.0134 0.5 3.33	LB A/A % V/V % V/V	4.75 0.5 2	OZ/A % V/V QT/A	FAL 2lf FAL 2lf FAL 2lf	B B B	107	100	5	0
								304	100	0	0
								505	100	0	0
								802	99	0	0
Mean =								100	1	0	
8	Osprey NIS UAN 28%	0.0134 0.5 3.33	LB A/A % V/V % V/V	4.75 0.5 2	OZ/A % V/V QT/A	SPR BJ SPR BJ SPR BJ	C C C	108	95	0	10
								403	95	5	0
								515	98	15	0
								707	98	0	0
Mean =								97	5	3	
9	Olympus Flex NIS UAN 28%	0.0247 0.5 3.33	LB A/A % V/V % V/V	3.5 0.5 2	OZ/A % V/V QT/A	FAL 2lf FAL 2lf FAL 2lf	B B B	109	100	0	10
								415	100	10	0
								613	100	5	0
								814	100	0	0
Mean =								100	4	3	
10	Olympus Flex NIS UAN 28%	0.0247 0.5 3.33	LB A/A % V/V % V/V	3.5 0.5 2	OZ/A % V/V QT/A	SPR BJ SPR BJ SPR BJ	C C C	110	93	10	0
								311	90	20	15
								506	85	0	0
								815	98	5	0
Mean =								92	9	4	

## Purdue University

Weed Code									RANAB	TRZAW	GLXMA
Crop Code											
Rating Data Type									EFF	CI	CI
Rating Unit									%	%	%
Rating Date									19/Apr/2006	19/Apr/2006	20/Jul/2006
Crop Stage											
Crop Stage Scale										18"	VC
Weed Stage									15"		4-6"
Weed Density, Unit									20 YD2		
Assessed By									BJ and GN	BJ and GN	EC
Trt-Eval Interval											
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	24	25	26
11	Everest (MKH 6562)	0.35	OZ A/A	0.5	OZ/A	SPR BJ	C	111	85	20	5
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C	409	40	10	0
								603	65	5	0
								712	97	0	5
								Mean =	72	9	3
12	Everest (MKH 6562)	0.35	OZ A/A	0.5	OZ/A	SPR BJ	C	112	80	25	0
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C	408	90	10	10
	UAN 28%	2	QT/A	2	QT/A	SPR BJ	C	501	90	5	5
								714	95	0	0
								Mean =	89	10	4
13	Everest (MKH 6562)	0.42	OZ A/A	0.6	OZ/A	SPR BJ	C	113	90	15	0
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C	401	95	10	0
								611	98	5	10
								808	90	5	15
								Mean =	93	9	6
14	Everest (MKH 6562)	0.42	OZ A/A	0.6	OZ/A	SPR BJ	C	114	80	10	0
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C	404	95	0	0
	UAN 28%	2	QT/A	2	QT/A	SPR BJ	C	514	90	15	0
								708	80	5	0
								Mean =	86	8	0
15	Everest (MKH 6562)	0.35	OZ A/A	0.5	OZ/A	SPR BJ	C	115	100	20	0
	Harmony GT	0.2	OZ A/A	0.4	OZ/A	SPR BJ	C	315	100	10	0
	Express	0.1	OZ A/A	0.2	OZ/A	SPR BJ	C	610	100	0	0
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C	807	85	0	0
								Mean =	96	8	0
16	Everest (MKH 6562)	0.35	OZ A/A	0.5	OZ/A	SPR BJ	C	201	98	10	5
	Harmony GT	0.2	OZ A/A	0.4	OZ/A	SPR BJ	C	313	90	10	0
	Express	0.1	OZ A/A	0.2	OZ/A	SPR BJ	C	510	80	5	0
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C	705	100	0	0
	UAN 28%	2	QT/A	2	QT/A	SPR BJ	C				
								Mean =	92	6	1
17	Everest (MKH 6562)	0.42	OZ A/A	0.6	OZ/A	SPR BJ	C	202	90	0	0
	Harmony GT	0.25	OZ A/A	0.5	OZ/A	SPR BJ	C	312	85	25	5
	Express	0.125	OZ A/A	0.25	OZ/A	SPR BJ	C	614	90	5	0
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C	706	90	0	0
								Mean =	89	8	1
18	Everest (MKH 6562)	0.42	OZ A/A	0.6	OZ/A	SPR BJ	C	203	95	0	0
	Harmony GT	0.25	OZ A/A	0.5	OZ/A	SPR BJ	C	407	95	5	0
	Express	0.125	OZ A/A	0.25	OZ/A	SPR BJ	C	607	85	0	0
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C	812	75	10	0
	UAN 28%	2	QT/A	2	QT/A	SPR BJ	C				
								Mean =	88	4	0
19	Everest (MKH 6562)	0.35	OZ A/A	0.5	OZ/A	SPR BJ	C	204	95	0	0
	Glean PX	0.188	OZ A/A	0.25	OZ/A	SPR BJ	C	406	97	0	0
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C	512	99	10	0
								804	90	0	0
								Mean =	95	3	0

# Purdue University

Weed Code									RANAB	TRZAW	GLXMA
Crop Code											
Rating Data Type									EFF	CI	CI
Rating Unit									%	%	%
Rating Date									19/Apr/2006	19/Apr/2006	20/Jul/2006
Crop Stage											
Crop Stage Scale										18"	VC
Weed Stage									15"		4-6"
Weed Density, Unit									20 YD2		
Assessed By									BJ and GN	BJ and GN	EC
Trt-Eval Interval											
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	24	25	26
20	Clearmax							205	100	0	0
	Beyond	0.0316	LB A/A	4	FL OZ/A	FAL 2lf	B	410	95	5	0
	MCPA-Ester	0.25	LB A/A	8	FL OZ/A	FAL 2lf	B	508	100	0	0
	UAN 28%	2.5	% V/V	1.5	QT/A	FAL 2lf	B	713	100	5	5
	NIS	0.25	% V/V	0.25	% V/V	FAL 2lf	B				
	Mean =								99	3	1
21	Clearmax							206	90	0	0
	Beyond	0.0316	LB A/A	4	FL OZ/A	SPR BJ	C	314	100	10	0
	MCPA-Ester	0.25	LB A/A	8	FL OZ/A	SPR BJ	C	606	100	0	0
	UAN 28%	2.5	% V/V	1.5	QT/A	SPR BJ	C	715	99	0	0
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C				
	Mean =								97	3	0
22	Clearmax							207	100	2	15
	Beyond	0.0316	LB A/A	4	FL OZ/A	FAL 2lf	B	302	100	10	0
	MCPA-Ester	0.25	LB A/A	8	FL OZ/A	FAL 2lf	B	615	100	10	0
	UAN 28%	2.5	% V/V	1.5	QT/A	FAL 2lf	B	809	100	0	0
	NIS	0.25	% V/V	0.25	% V/V	FAL 2lf	B				
	Beyond	0.0316	LB A/A	4	FL OZ/A	SPR BJ	C				
	MCPA-Ester	0.25	LB A/A	8	FL OZ/A	SPR BJ	C				
	UAN 28%	2.5	% V/V	1.5	QT/A	SPR BJ	C				
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C				
	Mean =								100	6	4
23	Clearmax							208	100	0	15
	Beyond	0.0316	LB A/A	4	FL OZ/A	SPR BJ	C	301	88	10	0
	MCPA-Ester	0.25	LB A/A	8	FL OZ/A	SPR BJ	C	507	95	0	0
	UAN 28%	2.5	% V/V	1.5	QT/A	SPR BJ	C	810	90	10	0
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C				
	Headline	0.049	LB A/A	3	FL OZ/A	SPR BJ	C				
	Mean =								93	5	4
24	Beyond	0.0316	LB A/A	4	FL OZ/A	FAL 2lf	B	209	100	0	10
	NIS	0.25	% V/V	0.25	% V/V	FAL 2lf	B	411	100	15	5
	UAN 28%	2.5	% V/V	1.5	QT/A	FAL 2lf	B	609	100	0	0
								803	100	5	0
	Mean =								100	5	4
25	Beyond	0.0316	LB A/A	4	FL OZ/A	SPR BJ	C	210	88	0	10
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C	412	90	10	10
	UAN 28%	2.5	% V/V	1.5	QT/A	SPR BJ	C	601	98	0	0
								813	70	0	0
	Mean =								87	3	5
26	Brash	0.484	LB A/A	1	PT/A	FAL 2lf	B	211	100	15	5
								303	97	15	0
								503	100	15	0
								805	95	25	0
	Mean =								98	18	1
27	Brash	0.484	LB A/A	1	PT/A	SPR BJ	C	212	90	20	5
								402	96	10	0
								605	50	0	0
								703	100	5	0
	Mean =								84	9	1

# Purdue University

Weed Code									RANAB	TRZAW	GLXMA
Crop Code											
Rating Data Type									EFF	CI	CI
Rating Unit									%	%	%
Rating Date									19/Apr/2006	19/Apr/2006	20/Jul/2006
Crop Stage											
Crop Stage Scale										18"	VC
Weed Stage									15"		4-6"
Weed Density, Unit									20 YD2		
Assessed By									BJ and GN	BJ and GN	EC
Trt-Eval Interval											
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Plot	24	25	26
28	Brash	0.484	LB A/A	1	PT/A	SPR AJ	D	213	85	5	0
								413	100	5	0
								608	100	0	0
								710	100	0	0
								Mean =	96	3	0
29	Non-treated check							214	0	0	0
								307	0	0	0
								612	0	0	0
								811	0	0	0
								Mean =	0	0	0
30	Non-treated check							215	0	0	0
								405	0	0	0
								504	0	0	0
								701	0	0	0
								Mean =	0	0	0

# Purdue University

## Efficacy of Fall and Spring applied treatments on clearfield winter wheat

Trial ID: 05F-SEP-NTW-01  
Location: SEPAC

Study Dir.: Vince Davis  
Investigator: Dr. William G. Johnson

Weed Code								TRZAW	RANAB	CERVU	STEME	LAMAM	POAAN
Crop Code								CI	EFF	EFF	EFF	EFF	EFF
Rating Data Type								%	%	%	%	%	%
Rating Unit								1/Dec/2005	1/Dec/2005	1/Dec/2005	1/Dec/2005	1/Dec/2005	
Rating Date								2 tiller					
Crop Stage								3"					
Crop Stage Scale									2-3"rose	2"rosett	1"rosett	<1"roset	1"rosett
Weed Stage									25 YD2	10 YD2	2 YD2	20 YD2	15 YD2
Weed Density, Unit								VMD and WGJ					
Assessed By													
Trt-Eval Interval													
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	1	2	3	4	5	6
1	Roundup OriginalMAX AMS	0.77 2.5	LB AE/A LB A/A	22 2.5	FL OZ/A LB/A	FALPRE FALPRE	A A	1 c	90 a	58 c	70 abc	66 bc	96 a
2	Harmony Extra XP NIS	0.028 0.5	LB A/A % V/V	0.6 0.5	OZ/A % V/V	FAL 2lf FAL 2lf	B B	7 b	76 ab	80 a	83 a	90 a	54 d
3	Harmony Extra XP NIS	0.028 0.5	LB A/A % V/V	0.6 0.5	OZ/A % V/V	SPR BJ SPR BJ	C C	0 c	0 d	0 e	0 e	0 e	0 f
4	Express NIS	0.0155 0.5	LB A/A % V/V	0.33 0.5	OZ/A % V/V	SPR BJ SPR BJ	C C	0 c	0 d	0 e	0 e	0 e	0 f
5	Olympus NIS	0.0394 0.5	LB A/A % V/V	0.9 0.5	OZ/A % V/V	FAL 2lf FAL 2lf	B B	1 c	71 bc	23 d	23 d	4 e	33 e
6	Olympus NIS	0.0394 0.5	LB A/A % V/V	0.9 0.5	OZ/A % V/V	SPR BJ SPR BJ	C C	0 c	0 d	0 e	0 e	0 e	0 f
7	Osprey NIS UAN 28%	0.0134 0.5 3.33	LB A/A % V/V % V/V	4.75 0.5 2	OZ/A % V/V QT/A	FAL 2lf FAL 2lf FAL 2lf	B B B	6 b	56 c	63 bc	63 bc	68 bc	74 bc
8	Osprey NIS UAN 28%	0.0134 0.5 3.33	LB A/A % V/V % V/V	4.75 0.5 2	OZ/A % V/V QT/A	SPR BJ SPR BJ SPR BJ	C C C	0 c	0 d	0 e	0 e	0 e	0 f
9	Olympus Flex NIS UAN 28%	0.0247 0.5 3.33	LB A/A % V/V % V/V	3.5 0.5 2	OZ/A % V/V QT/A	FAL 2lf FAL 2lf FAL 2lf	B B B	8 b	65 bc	78 ab	78 ab	78 ab	86 ab
10	Olympus Flex NIS UAN 28%	0.0247 0.5 3.33	LB A/A % V/V % V/V	3.5 0.5 2	OZ/A % V/V QT/A	SPR BJ SPR BJ SPR BJ	C C C	0 c	0 d	0 e	0 e	0 e	0 f
11	Everest (MKH 6562) NIS	0.35 0.25	OZ A/A % V/V	0.5 0.25	OZ/A % V/V	SPR BJ SPR BJ	C C	0 c	0 d	0 e	0 e	0 e	0 f
12	Everest (MKH 6562) NIS UAN 28%	0.35 0.25 2	OZ A/A % V/V QT/A	0.5 0.25 2	OZ/A % V/V QT/A	SPR BJ SPR BJ SPR BJ	C C C	0 c	0 d	0 e	0 e	0 e	0 f
13	Everest (MKH 6562) NIS	0.42 0.25	OZ A/A % V/V	0.6 0.25	OZ/A % V/V	SPR BJ SPR BJ	C C	0 c	0 d	0 e	0 e	0 e	0 f
14	Everest (MKH 6562) NIS UAN 28%	0.42 0.25 2	OZ A/A % V/V QT/A	0.6 0.25 2	OZ/A % V/V QT/A	SPR BJ SPR BJ SPR BJ	C C C	0 c	0 d	0 e	0 e	0 e	0 f
15	Everest (MKH 6562) Harmony GT Express NIS	0.35 0.2 0.1 0.25	OZ A/A OZ A/A OZ A/A % V/V	0.5 0.4 0.2 0.25	OZ/A OZ/A OZ/A % V/V	SPR BJ SPR BJ SPR BJ SPR BJ	C C C C	0 c	0 d	0 e	0 e	0 e	0 f

## Purdue University

Weed Code								TRZAW	RANAB	CERVU	STEME	LAMAM	POAAN
Crop Code								CI	EFF	EFF	EFF	EFF	EFF
Rating Data Type								%	%	%	%	%	%
Rating Unit								1/Dec/2005	1/Dec/2005	1/Dec/2005	1/Dec/2005	1/Dec/2005	1/Dec/2005
Rating Date								2 tiller					
Crop Stage								3"					
Crop Stage Scale									2-3"rose	2"rosett	1"rosett	<1"roset	1"rosett
Weed Stage									25 YD2	10 YD2	2 YD2	20 YD2	15 YD2
Weed Density, Unit								VMD and WGJ					
Assessed By													
Trt-Eval Interval													
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	1	2	3	4	5	6
16	Everest (MKH 6562)	0.35	OZ A/A	0.5	OZ/A	SPR BJ	C	0 c	0 d	0 e	0 e	0 e	0 f
	Harmony GT	0.2	OZ A/A	0.4	OZ/A	SPR BJ	C						
	Express	0.1	OZ A/A	0.2	OZ/A	SPR BJ	C						
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C						
	UAN 28%	2	QT/A	2	QT/A	SPR BJ	C						
17	Everest (MKH 6562)	0.42	OZ A/A	0.6	OZ/A	SPR BJ	C	0 c	0 d	0 e	0 e	0 e	0 f
	Harmony GT	0.25	OZ A/A	0.5	OZ/A	SPR BJ	C						
	Express	0.125	OZ A/A	0.25	OZ/A	SPR BJ	C						
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C						
18	Everest (MKH 6562)	0.42	OZ A/A	0.6	OZ/A	SPR BJ	C	0 c	0 d	0 e	0 e	0 e	0 f
	Harmony GT	0.25	OZ A/A	0.5	OZ/A	SPR BJ	C						
	Express	0.125	OZ A/A	0.25	OZ/A	SPR BJ	C						
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C						
	UAN 28%	2	QT/A	2	QT/A	SPR BJ	C						
19	Everest (MKH 6562)	0.35	OZ A/A	0.5	OZ/A	SPR BJ	C	0 c	0 d	0 e	0 e	0 e	0 f
	Glean PX	0.188	OZ A/A	0.25	OZ/A	SPR BJ	C						
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C						
20	Clearmax							11 a	75 ab	60 c	60 c	59 cd	60 cd
	Beyond	0.0316	LB A/A	4	FL OZ/A	FAL 2lf	B						
	MCPA-Ester	0.25	LB A/A	8	FL OZ/A	FAL 2lf	B						
	UAN 28%	2.5	% V/V	1.5	QT/A	FAL 2lf	B						
	NIS	0.25	% V/V	0.25	% V/V	FAL 2lf	B						
21	Clearmax							0 c	0 d	0 e	0 e	0 e	0 f
	Beyond	0.0316	LB A/A	4	FL OZ/A	SPR BJ	C						
	MCPA-Ester	0.25	LB A/A	8	FL OZ/A	SPR BJ	C						
	UAN 28%	2.5	% V/V	1.5	QT/A	SPR BJ	C						
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C						
22	Clearmax							14 a	74 b	63 bc	63 bc	59 cd	66 cd
	Beyond	0.0316	LB A/A	4	FL OZ/A	FAL 2lf	B						
	MCPA-Ester	0.25	LB A/A	8	FL OZ/A	FAL 2lf	B						
	UAN 28%	2.5	% V/V	1.5	QT/A	FAL 2lf	B						
	NIS	0.25	% V/V	0.25	% V/V	FAL 2lf	B						
	Beyond	0.0316	LB A/A	4	FL OZ/A	SPR BJ	C						
	MCPA-Ester	0.25	LB A/A	8	FL OZ/A	SPR BJ	C						
	UAN 28%	2.5	% V/V	1.5	QT/A	SPR BJ	C						
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C						
23	Clearmax							0 c	0 d	0 e	0 e	0 e	0 f
	Beyond	0.0316	LB A/A	4	FL OZ/A	SPR BJ	C						
	MCPA-Ester	0.25	LB A/A	8	FL OZ/A	SPR BJ	C						
	UAN 28%	2.5	% V/V	1.5	QT/A	SPR BJ	C						
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C						
	Headline	0.049	LB A/A	3	FL OZ/A	SPR BJ	C						
24	Beyond	0.0316	LB A/A	4	FL OZ/A	FAL 2lf	B	11 a	64 bc	54 c	54 c	66 bc	70 c
	NIS	0.25	% V/V	0.25	% V/V	FAL 2lf	B						
	UAN 28%	2.5	% V/V	1.5	QT/A	FAL 2lf	B						
25	Beyond	0.0316	LB A/A	4	FL OZ/A	SPR BJ	C	0 c	0 d	0 e	0 e	0 e	0 f
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C						
	UAN 28%	2.5	% V/V	1.5	QT/A	SPR BJ	C						
26	Brash	0.484	LB A/A	1	PT/A	FAL 2lf	B	0 c	79 ab	83 a	83 a	46 d	5 f



# Purdue University

Weed Code							RANAB	CERVU	STEME	LAMAM	LAMPU	POAAN	
Crop Code													
Rating Data Type							EFF						
Rating Unit							%	%	%	%	%	%	%
Rating Date							17/Mar/2006						
Crop Stage							4 tiller						
Crop Stage Scale							6-8"						
Weed Stage							2-6"	2-4"	3-6"	2-4"	2-4"	1-3"	
Weed Density, Unit							15 YD2	5 YD2	2 YD2	2 YD2	15 YD2	10 YD2	
Assessed By							AW and VD						
Trt-Eval Interval							A + C						
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	7	8	9	10	11	12
1	Roundup OriginalMAX AMS	0.77	LB AE/A	22	FL OZ/A	FALPRE	A	73 c	74 c	74 b	60 d	60 d	93 a
		2.5	LB A/A	2.5	LB/A	FALPRE	A						
2	Harmony Extra XP NIS	0.028	LB A/A	0.6	OZ/A	FAL 2lf	B	100 a	95 ab	98 a	98 a	98 a	50 cd
		0.5	% V/V	0.5	% V/V	FAL 2lf	B						
3	Harmony Extra XP NIS	0.028	LB A/A	0.6	OZ/A	SPR BJ	C	0 d	0 e	0 d	0 e	0 e	0 e
		0.5	% V/V	0.5	% V/V	SPR BJ	C						
4	Express NIS	0.0155	LB A/A	0.33	OZ/A	SPR BJ	C	0 d	0 e	0 d	0 e	0 e	0 e
		0.5	% V/V	0.5	% V/V	SPR BJ	C						
5	Olympus NIS	0.0394	LB A/A	0.9	OZ/A	FAL 2lf	B	89 b	60 d	60 c	5 e	5 e	45 d
		0.5	% V/V	0.5	% V/V	FAL 2lf	B						
6	Olympus NIS	0.0394	LB A/A	0.9	OZ/A	SPR BJ	C	0 d	0 e	0 d	0 e	0 e	0 e
		0.5	% V/V	0.5	% V/V	SPR BJ	C						
7	Osprey NIS UAN 28%	0.0134	LB A/A	4.75	OZ/A	FAL 2lf	B	100 a	100 a	100 a	89 abc	89 abc	93 a
		0.5	% V/V	0.5	% V/V	FAL 2lf	B						
		3.33	% V/V	2	QT/A	FAL 2lf	B						
8	Osprey NIS UAN 28%	0.0134	LB A/A	4.75	OZ/A	SPR BJ	C	0 d	0 e	0 d	0 e	0 e	0 e
		0.5	% V/V	0.5	% V/V	SPR BJ	C						
		3.33	% V/V	2	QT/A	SPR BJ	C						
9	Olympus Flex NIS UAN 28%	0.0247	LB A/A	3.5	OZ/A	FAL 2lf	B	97 a	88 b	97 a	85 bc	85 bc	85 a
		0.5	% V/V	0.5	% V/V	FAL 2lf	B						
		3.33	% V/V	2	QT/A	FAL 2lf	B						
10	Olympus Flex NIS UAN 28%	0.0247	LB A/A	3.5	OZ/A	SPR BJ	C	0 d	0 e	0 d	0 e	0 e	0 e
		0.5	% V/V	0.5	% V/V	SPR BJ	C						
		3.33	% V/V	2	QT/A	SPR BJ	C						
11	Everest (MKH 6562) NIS	0.35	OZ A/A	0.5	OZ/A	SPR BJ	C	0 d	0 e	0 d	0 e	0 e	0 e
		0.25	% V/V	0.25	% V/V	SPR BJ	C						
12	Everest (MKH 6562) NIS UAN 28%	0.35	OZ A/A	0.5	OZ/A	SPR BJ	C	0 d	0 e	0 d	0 e	0 e	0 e
		0.25	% V/V	0.25	% V/V	SPR BJ	C						
		2	QT/A	2	QT/A	SPR BJ	C						
13	Everest (MKH 6562) NIS	0.42	OZ A/A	0.6	OZ/A	SPR BJ	C	0 d	0 e	0 d	0 e	0 e	0 e
		0.25	% V/V	0.25	% V/V	SPR BJ	C						
14	Everest (MKH 6562) NIS UAN 28%	0.42	OZ A/A	0.6	OZ/A	SPR BJ	C	0 d	0 e	0 d	0 e	0 e	0 e
		0.25	% V/V	0.25	% V/V	SPR BJ	C						
		2	QT/A	2	QT/A	SPR BJ	C						
15	Everest (MKH 6562) Harmony GT Express NIS	0.35	OZ A/A	0.5	OZ/A	SPR BJ	C	0 d	0 e	0 d	0 e	0 e	0 e
		0.2	OZ A/A	0.4	OZ/A	SPR BJ	C						
		0.1	OZ A/A	0.2	OZ/A	SPR BJ	C						
		0.25	% V/V	0.25	% V/V	SPR BJ	C						
16	Everest (MKH 6562) Harmony GT Express NIS UAN 28%	0.35	OZ A/A	0.5	OZ/A	SPR BJ	C	0 d	0 e	0 d	0 e	0 e	0 e
		0.2	OZ A/A	0.4	OZ/A	SPR BJ	C						
		0.1	OZ A/A	0.2	OZ/A	SPR BJ	C						
		0.25	% V/V	0.25	% V/V	SPR BJ	C						
		2	QT/A	2	QT/A	SPR BJ	C						

## Purdue University

Weed Code								RANAB	CERVU	STEME	LAMAM	LAMPU	POAAN
Crop Code													
Rating Data Type								EFF	EFF	EFF	EFF	EFF	EFF
Rating Unit								%	%	%	%	%	%
Rating Date								17/Mar/2006	17/Mar/2006	17/Mar/2006	17/Mar/2006	17/Mar/2006	17/Mar/2006
Crop Stage								4 tiller					
Crop Stage Scale								6-8"					
Weed Stage								2-6"	2-4"	3-6"	2-4"	2-4"	1-3"
Weed Density, Unit								15 YD2	5 YD2	2 YD2	2 YD2	15 YD2	10 YD2
Assessed By								AW and VD					
Trt-Eval Interval								A + C					
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	7	8	9	10	11	12
17	Everest (MKH 6562)	0.42	OZ A/A	0.6	OZ/A	SPR BJ	C	0 d	0 e	0 d	0 e	0 e	0 e
	Harmony GT	0.25	OZ A/A	0.5	OZ/A	SPR BJ	C						
	Express	0.125	OZ A/A	0.25	OZ/A	SPR BJ	C						
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C						
18	Everest (MKH 6562)	0.42	OZ A/A	0.6	OZ/A	SPR BJ	C	0 d	0 e	0 d	0 e	0 e	0 e
	Harmony GT	0.25	OZ A/A	0.5	OZ/A	SPR BJ	C						
	Express	0.125	OZ A/A	0.25	OZ/A	SPR BJ	C						
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C						
	UAN 28%	2	QT/A	2	QT/A	SPR BJ	C						
19	Everest (MKH 6562)	0.35	OZ A/A	0.5	OZ/A	SPR BJ	C	0 d	0 e	0 d	0 e	0 e	0 e
	Glean PX	0.188	OZ A/A	0.25	OZ/A	SPR BJ	C						
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C						
20	Clearmax							99 a	88 b	93 a	83 bc	83 bc	76 ab
	Beyond	0.0316	LB A/A	4	FL OZ/A	FAL 2lf	B						
	MCPA-Ester	0.25	LB A/A	8	FL OZ/A	FAL 2lf	B						
	UAN 28%	2.5	% V/V	1.5	QT/A	FAL 2lf	B						
	NIS	0.25	% V/V	0.25	% V/V	FAL 2lf	B						
21	Clearmax							0 d	0 e	0 d	0 e	0 e	0 e
	Beyond	0.0316	LB A/A	4	FL OZ/A	SPR BJ	C						
	MCPA-Ester	0.25	LB A/A	8	FL OZ/A	SPR BJ	C						
	UAN 28%	2.5	% V/V	1.5	QT/A	SPR BJ	C						
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C						
22	Clearmax							100 a	94 ab	95 a	89 abc	89 abc	85 a
	Beyond	0.0316	LB A/A	4	FL OZ/A	FAL 2lf	B						
	MCPA-Ester	0.25	LB A/A	8	FL OZ/A	FAL 2lf	B						
	UAN 28%	2.5	% V/V	1.5	QT/A	FAL 2lf	B						
	NIS	0.25	% V/V	0.25	% V/V	FAL 2lf	B						
	Beyond	0.0316	LB A/A	4	FL OZ/A	SPR BJ	C						
	MCPA-Ester	0.25	LB A/A	8	FL OZ/A	SPR BJ	C						
	UAN 28%	2.5	% V/V	1.5	QT/A	SPR BJ	C						
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C						
23	Clearmax							0 d	0 e	0 d	0 e	0 e	0 e
	Beyond	0.0316	LB A/A	4	FL OZ/A	SPR BJ	C						
	MCPA-Ester	0.25	LB A/A	8	FL OZ/A	SPR BJ	C						
	UAN 28%	2.5	% V/V	1.5	QT/A	SPR BJ	C						
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C						
	Headline	0.049	LB A/A	3	FL OZ/A	SPR BJ	C						
24	Beyond	0.0316	LB A/A	4	FL OZ/A	FAL 2lf	B	98 a	89 b	94 a	79 c	79 c	64 bc
	NIS	0.25	% V/V	0.25	% V/V	FAL 2lf	B						
	UAN 28%	2.5	% V/V	1.5	QT/A	FAL 2lf	B						
25	Beyond	0.0316	LB A/A	4	FL OZ/A	SPR BJ	C	0 d	0 e	0 d	0 e	0 e	0 e
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C						
	UAN 28%	2.5	% V/V	1.5	QT/A	SPR BJ	C						
26	Brash	0.484	LB A/A	1	PT/A	FAL 2lf	B	99 a	100 a	100 a	94 ab	94 ab	13 e
27	Brash	0.484	LB A/A	1	PT/A	SPR BJ	C	0 d	0 e	0 d	0 e	0 e	0 e
28	Brash	0.484	LB A/A	1	PT/A	SPR AJ	D	0 d	0 e	0 d	0 e	0 e	0 e



# Purdue University

Weed Code							RANAB	CERVU	STEME	LAMAM	PAMPU	POAAN	
Crop Code													
Rating Data Type							EFF	EFF	EFF	EFF	EFF	EFF	
Rating Unit							%	%	%	%	%	%	
Rating Date							28/Mar/2006	28/Mar/2006	28/Mar/2006	28/Mar/2006	28/Mar/2006	28/Mar/2006	
Crop Stage													
Crop Stage Scale													
Weed Stage							2-3"rose	1"rosett	5-6"rose	4" ht	4" ht	1-2"	
Weed Density, Unit							20 YD2	2 YD2	10 YD2	2 YD2	2 YD2	10 YD2	
Assessed By							EC and AW	EC and AW	EC and AW	EC and AW	EC and AW	EC and AW	
Trt-Eval Interval													
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	13	14	15	16	17	18
1	Roundup OriginalMAX AMS	0.77 2.5	LB AE/A LB A/A	22 2.5	FL OZ/A LB/A	FALPRE FALPRE	A A	59 b	83 b	80 b	68 c	68 c	99 a
2	Harmony Extra XP NIS	0.028 0.5	LB A/A % V/V	0.6 0.5	OZ/A % V/V	FAL 2lf FAL 2lf	B B	100 a	72 bc				
3	Harmony Extra XP NIS	0.028 0.5	LB A/A % V/V	0.6 0.5	OZ/A % V/V	SPR BJ SPR BJ	C C	0 c	0 d	0 d	0 e	0 e	0 d
4	Express NIS	0.0155 0.5	LB A/A % V/V	0.33 0.5	OZ/A % V/V	SPR BJ SPR BJ	C C	0 c	1 d	1 d	0 e	0 e	5 d
5	Olympus NIS	0.0394 0.5	LB A/A % V/V	0.9 0.5	OZ/A % V/V	FAL 2lf FAL 2lf	B B	95 a	27 c	33 c	10 d	10 d	60 c
6	Olympus NIS	0.0394 0.5	LB A/A % V/V	0.9 0.5	OZ/A % V/V	SPR BJ SPR BJ	C C	0 c	0 d	0 d	0 e	0 e	0 d
7	Osprey NIS UAN 28%	0.0134 0.5 3.33	LB A/A % V/V % V/V	4.75 0.5 2	OZ/A % V/V QT/A	FAL 2lf FAL 2lf FAL 2lf	B B B	100 a	99 a	100 a	95 a	95 a	98 a
8	Osprey NIS UAN 28%	0.0134 0.5 3.33	LB A/A % V/V % V/V	4.75 0.5 2	OZ/A % V/V QT/A	SPR BJ SPR BJ SPR BJ	C C C	0 c	0 d	0 d	0 e	0 e	0 d
9	Olympus Flex NIS UAN 28%	0.0247 0.5 3.33	LB A/A % V/V % V/V	3.5 0.5 2	OZ/A % V/V QT/A	FAL 2lf FAL 2lf FAL 2lf	B B B	100 a	95 ab	100 a	95 a	95 a	99 a
10	Olympus Flex NIS UAN 28%	0.0247 0.5 3.33	LB A/A % V/V % V/V	3.5 0.5 2	OZ/A % V/V QT/A	SPR BJ SPR BJ SPR BJ	C C C	0 c	0 d	0 d	0 e	0 e	13 d
11	Everest (MKH 6562) NIS	0.35 0.25	OZ A/A % V/V	0.5 0.25	OZ/A % V/V	SPR BJ SPR BJ	C C	0 c	0 d	0 d	0 e	0 e	0 d
12	Everest (MKH 6562) NIS UAN 28%	0.35 0.25 2	OZ A/A % V/V QT/A	0.5 0.25 2	OZ/A % V/V QT/A	SPR BJ SPR BJ SPR BJ	C C C	0 c	0 d	0 d	0 e	0 e	0 d
13	Everest (MKH 6562) NIS	0.42 0.25	OZ A/A % V/V	0.6 0.25	OZ/A % V/V	SPR BJ SPR BJ	C C	0 c	0 d	0 d	0 e	0 e	0 d
14	Everest (MKH 6562) NIS UAN 28%	0.42 0.25 2	OZ A/A % V/V QT/A	0.6 0.25 2	OZ/A % V/V QT/A	SPR BJ SPR BJ SPR BJ	C C C	1 c	0 d	0 d	0 e	0 e	0 d
15	Everest (MKH 6562) Harmony GT Express NIS	0.35 0.2 0.1 0.25	OZ A/A OZ A/A OZ A/A % V/V	0.5 0.4 0.2 0.25	OZ/A OZ/A OZ/A % V/V	SPR BJ SPR BJ SPR BJ SPR BJ	C C C C	0 c	0 d	0 d	0 e	0 e	0 d
16	Everest (MKH 6562) Harmony GT Express NIS UAN 28%	0.35 0.2 0.1 0.25 2	OZ A/A OZ A/A OZ A/A % V/V QT/A	0.5 0.4 0.2 0.25 2	OZ/A OZ/A OZ/A % V/V QT/A	SPR BJ SPR BJ SPR BJ SPR BJ SPR BJ	C C C C C	0 c	0 d	0 d	0 e	0 e	0 d

# Purdue University

Weed Code								RANAB	CERVU	STEME	LAMAM	PAMPU	POAAN
Crop Code													
Rating Data Type								EFF	EFF	EFF	EFF	EFF	EFF
Rating Unit								%	%	%	%	%	%
Rating Date								28/Mar/2006	28/Mar/2006	28/Mar/2006	28/Mar/2006	28/Mar/2006	28/Mar/2006
Crop Stage													
Crop Stage Scale													
Weed Stage								2-3"rose	1"rosett	5-6"rose	4" ht	4" ht	1-2"
Weed Density, Unit								20 YD2	2 YD2	10 YD2	2 YD2	2 YD2	10 YD2
Assessed By								EC and AW					
Trt-Eval Interval													
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	13	14	15	16	17	18
17	Everest (MKH 6562)	0.42	OZ A/A	0.6	OZ/A	SPR BJ	C	0 c	0 d	0 d	0 e	0 e	0 d
	Harmony GT	0.25	OZ A/A	0.5	OZ/A	SPR BJ	C						
	Express	0.125	OZ A/A	0.25	OZ/A	SPR BJ	C						
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C						
18	Everest (MKH 6562)	0.42	OZ A/A	0.6	OZ/A	SPR BJ	C	0 c	0 d	0 d	0 e	0 e	0 d
	Harmony GT	0.25	OZ A/A	0.5	OZ/A	SPR BJ	C						
	Express	0.125	OZ A/A	0.25	OZ/A	SPR BJ	C						
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C						
	UAN 28%	2	QT/A	2	QT/A	SPR BJ	C						
19	Everest (MKH 6562)	0.35	OZ A/A	0.5	OZ/A	SPR BJ	C	0 c	0 d	0 d	0 e	0 e	0 d
	Glean PX	0.188	OZ A/A	0.25	OZ/A	SPR BJ	C						
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C						
20	Clearmax							100 a	100 a	100 a	85 b	85 b	86 ab
	Beyond	0.0316	LB A/A	4	FL OZ/A	FAL 2lf	B						
	MCPA-Ester	0.25	LB A/A	8	FL OZ/A	FAL 2lf	B						
	UAN 28%	2.5	% V/V	1.5	QT/A	FAL 2lf	B						
	NIS	0.25	% V/V	0.25	% V/V	FAL 2lf	B						
21	Clearmax							3 c	0 d	0 d	0 e	0 e	0 d
	Beyond	0.0316	LB A/A	4	FL OZ/A	SPR BJ	C						
	MCPA-Ester	0.25	LB A/A	8	FL OZ/A	SPR BJ	C						
	UAN 28%	2.5	% V/V	1.5	QT/A	SPR BJ	C						
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C						
22	Clearmax							100 a	93 ab	94 ab	91 ab	91 ab	73 bc
	Beyond	0.0316	LB A/A	4	FL OZ/A	FAL 2lf	B						
	MCPA-Ester	0.25	LB A/A	8	FL OZ/A	FAL 2lf	B						
	UAN 28%	2.5	% V/V	1.5	QT/A	FAL 2lf	B						
	NIS	0.25	% V/V	0.25	% V/V	FAL 2lf	B						
	Beyond	0.0316	LB A/A	4	FL OZ/A	SPR BJ	C						
	MCPA-Ester	0.25	LB A/A	8	FL OZ/A	SPR BJ	C						
	UAN 28%	2.5	% V/V	1.5	QT/A	SPR BJ	C						
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C						
23	Clearmax							0 c	0 d	0 d	0 e	0 e	0 d
	Beyond	0.0316	LB A/A	4	FL OZ/A	SPR BJ	C						
	MCPA-Ester	0.25	LB A/A	8	FL OZ/A	SPR BJ	C						
	UAN 28%	2.5	% V/V	1.5	QT/A	SPR BJ	C						
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C						
	Headline	0.049	LB A/A	3	FL OZ/A	SPR BJ	C						
24	Beyond	0.0316	LB A/A	4	FL OZ/A	FAL 2lf	B	100 a	99 a	99 a	95 a	95 a	73 bc
	NIS	0.25	% V/V	0.25	% V/V	FAL 2lf	B						
	UAN 28%	2.5	% V/V	1.5	QT/A	FAL 2lf	B						
25	Beyond	0.0316	LB A/A	4	FL OZ/A	SPR BJ	C	0 c	0 d	0 d	0 e	0 e	0 d
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C						
	UAN 28%	2.5	% V/V	1.5	QT/A	SPR BJ	C						
26	Brash	0.484	LB A/A	1	PT/A	FAL 2lf	B	100 a	100 a	100 a	91 ab	91 ab	3 d
27	Brash	0.484	LB A/A	1	PT/A	SPR BJ	C	0 c	0 d	0 d	0 e	0 e	0 d
28	Brash	0.484	LB A/A	1	PT/A	SPR AJ	D	0 c	0 d	0 d	0 e	0 e	0 d



## Purdue University

Weed Code								TRZAW	POAAN	LAMAM	STEME	CERVU	RANAB	TRZAW	
Crop Code															
Rating Data Type								CI	EFF	EFF	EFF	EFF	EFF	CI	
Rating Unit								%	%	%	%	%	%	%	
Rating Date								28/Mar/2006	19/Apr/2006	19/Apr/2006	19/Apr/2006	19/Apr/2006	19/Apr/2006	19/Apr/2006	
Crop Stage															
Crop Stage Scale														18"	
Weed Stage									12"	11"	6"	6"	15"		
Weed Density, Unit									9 YD2	3 YD2	4 YD2	4 YD2	20 YD2		
Assessed By								EC and AW	BJ and GN						
Trt-Eval Interval															
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	19	20	21	22	23	24	25	
1	Roundup OriginalMAX AMS	0.77 2.5	LB AE/A LB A/A	22 2.5	FL OZ/A LB/A	FALPRE FALPRE	A A	0 b	79 abc	86 a-d	80 abc	98 ab	64 g	0 d	
2	Harmony Extra XP NIS	0.028 0.5	LB A/A % V/V	0.6 0.5	OZ/A % V/V	FAL 2lf FAL 2lf	B B	0 b	69 bcd	99 a	100 a	100 a	100 a	6 bcd	
3	Harmony Extra XP NIS	0.028 0.5	LB A/A % V/V	0.6 0.5	OZ/A % V/V	SPR BJ SPR BJ	C C	0 b	78 abc	55 d-g	63 cd	88 abc	98 a-d	3 bcd	
4	Express NIS	0.0155 0.5	LB A/A % V/V	0.33 0.5	OZ/A % V/V	SPR BJ SPR BJ	C C	0 b	83 abc	96 a	100 a	100 a	98 a-d	5 bcd	
5	Olympus NIS	0.0394 0.5	LB A/A % V/V	0.9 0.5	OZ/A % V/V	FAL 2lf FAL 2lf	B B	0 b	65 cd	33 ghi	69 bcd	75 abc	95 a-e	8 bcd	
6	Olympus NIS	0.0394 0.5	LB A/A % V/V	0.9 0.5	OZ/A % V/V	SPR BJ SPR BJ	C C	0 b	64 cd	61 c-g	68 bcd	70 c	90 a-e	3 bcd	
7	Osprey NIS UAN 28%	0.0134 0.5 3.33	LB A/A % V/V % V/V	4.75 0.5 2	OZ/A % V/V QT/A	FAL 2lf FAL 2lf FAL 2lf	B B B	0 b	99 a	97 a	100 a	100 a	100 ab	1 cd	
8	Osprey NIS UAN 28%	0.0134 0.5 3.33	LB A/A % V/V % V/V	4.75 0.5 2	OZ/A % V/V QT/A	SPR BJ SPR BJ SPR BJ	C C C	0 b	95 ab	83 a-d	90 abc	99 a	97 a-d	5 bcd	
9	Olympus Flex NIS UAN 28%	0.0247 0.5 3.33	LB A/A % V/V % V/V	3.5 0.5 2	OZ/A % V/V QT/A	FAL 2lf FAL 2lf FAL 2lf	B B B	0 b	99 a	95 ab	98 a	98 ab	100 a	4 bcd	
10	Olympus Flex NIS UAN 28%	0.0247 0.5 3.33	LB A/A % V/V % V/V	3.5 0.5 2	OZ/A % V/V QT/A	SPR BJ SPR BJ SPR BJ	C C C	0 b	89 abc	77 a-e	88 abc	95 abc	92 a-e	9 bc	
11	Everest (MKH 6562) NIS	0.35 0.25	OZ A/A % V/V	0.5 0.25	OZ/A % V/V	SPR BJ SPR BJ	C C	0 b	75 abc	40 fgh	65 cd	88 abc	72 fg	9 bc	
12	Everest (MKH 6562) NIS UAN 28%	0.35 0.25 2	OZ A/A % V/V QT/A	0.5 0.25 2	OZ/A % V/V QT/A	SPR BJ SPR BJ SPR BJ	C C C	0 b	91 abc	81 a-d	75 a-d	80 abc	89 a-e	10 ab	
13	Everest (MKH 6562) NIS	0.42 0.25	OZ A/A % V/V	0.6 0.25	OZ/A % V/V	SPR BJ SPR BJ	C C	0 b	80 abc	89 abc	89 abc	100 a	93 a-e	9 bc	
14	Everest (MKH 6562) NIS UAN 28%	0.42 0.25 2	OZ A/A % V/V QT/A	0.6 0.25 2	OZ/A % V/V QT/A	SPR BJ SPR BJ SPR BJ	C C C	0 b	80 abc	61 c-g	83 abc	85 abc	86 de	8 bcd	
15	Everest (MKH 6562) Harmony GT Express NIS	0.35 0.2 0.1 0.25	OZ A/A OZ A/A OZ A/A % V/V	0.5 0.4 0.2 0.25	OZ/A OZ/A OZ/A % V/V	SPR BJ SPR BJ SPR BJ SPR BJ	C C C C	0 b	80 abc	93 abc	99 a	100 a	96 a-e	8 bcd	
16	Everest (MKH 6562) Harmony GT Express NIS UAN 28%	0.35 0.2 0.1 0.25 2	OZ A/A OZ A/A OZ A/A % V/V QT/A	0.5 0.4 0.2 0.25 2	OZ/A OZ/A OZ/A % V/V QT/A	SPR BJ SPR BJ SPR BJ SPR BJ SPR BJ	C C C C C	0 b	78 abc	63 b-g	93 ab	100 a	92 a-e	6 bcd	

## Purdue University

Weed Code								TRZAW	POAAN	LAMAM	STEME	CERVU	RANAB	TRZAW	
Crop Code															
Rating Data Type								CI	EFF	EFF	EFF	EFF	EFF	CI	
Rating Unit								%	%	%	%	%	%	%	
Rating Date								28/Mar/2006	19/Apr/2006	19/Apr/2006	19/Apr/2006	19/Apr/2006	19/Apr/2006	19/Apr/2006	
Crop Stage															
Crop Stage Scale														18"	
Weed Stage									12"	11"	6"	6"	15"		
Weed Density, Unit									9 YD2	3 YD2	4 YD2	4 YD2	20 YD2		
Assessed By								EC and AW	BJ and GN						
Trt-Eval Interval															
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	19	20	21	22	23	24	25	
17	Everest (MKH 6562)	0.42	OZ A/A	0.6	OZ/A	SPR BJ	C	0 b	90 abc	70 a-f	99 a	98 ab	89 a-e	8 bcd	
	Harmony GT	0.25	OZ A/A	0.5	OZ/A	SPR BJ	C								
	Express	0.125	OZ A/A	0.25	OZ/A	SPR BJ	C								
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C								
18	Everest (MKH 6562)	0.42	OZ A/A	0.6	OZ/A	SPR BJ	C	0 b	89 abc	91 abc	99 a	98 ab	88 b-e	4 bcd	
	Harmony GT	0.25	OZ A/A	0.5	OZ/A	SPR BJ	C								
	Express	0.125	OZ A/A	0.25	OZ/A	SPR BJ	C								
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C								
	UAN 28%	2	QT/A	2	QT/A	SPR BJ	C								
19	Everest (MKH 6562)	0.35	OZ A/A	0.5	OZ/A	SPR BJ	C	0 b	79 abc	94 abc	100 a	98 ab	95 a-e	3 bcd	
	Glean PX	0.188	OZ A/A	0.25	OZ/A	SPR BJ	C								
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C								
20	Clearmax							1 b	94 ab	94 abc	100 a	100 a	99 abc	3 bcd	
	Beyond	0.0316	LB A/A	4	FL OZ/A	FAL 2lf	B								
	MCPA-Ester	0.25	LB A/A	8	FL OZ/A	FAL 2lf	B								
	UAN 28%	2.5	% V/V	1.5	QT/A	FAL 2lf	B								
	NIS	0.25	% V/V	0.25	% V/V	FAL 2lf	B								
21	Clearmax							0 b	78 abc	80 a-d	75 a-d	72 bc	97 a-d	3 bcd	
	Beyond	0.0316	LB A/A	4	FL OZ/A	SPR BJ	C								
	MCPA-Ester	0.25	LB A/A	8	FL OZ/A	SPR BJ	C								
	UAN 28%	2.5	% V/V	1.5	QT/A	SPR BJ	C								
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C								
22	Clearmax							3 b	89 abc	92 abc	100 a	100 a	100 a	6 bcd	
	Beyond	0.0316	LB A/A	4	FL OZ/A	FAL 2lf	B								
	MCPA-Ester	0.25	LB A/A	8	FL OZ/A	FAL 2lf	B								
	UAN 28%	2.5	% V/V	1.5	QT/A	FAL 2lf	B								
	NIS	0.25	% V/V	0.25	% V/V	FAL 2lf	B								
	Beyond	0.0316	LB A/A	4	FL OZ/A	SPR BJ	C								
	MCPA-Ester	0.25	LB A/A	8	FL OZ/A	SPR BJ	C								
	UAN 28%	2.5	% V/V	1.5	QT/A	SPR BJ	C								
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C								
23	Clearmax							0 b	83 abc	79 a-d	84 abc	80 abc	93 a-e	5 bcd	
	Beyond	0.0316	LB A/A	4	FL OZ/A	SPR BJ	C								
	MCPA-Ester	0.25	LB A/A	8	FL OZ/A	SPR BJ	C								
	UAN 28%	2.5	% V/V	1.5	QT/A	SPR BJ	C								
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C								
	Headline	0.049	LB A/A	3	FL OZ/A	SPR BJ	C								
24	Beyond	0.0316	LB A/A	4	FL OZ/A	FAL 2lf	B	0 b	87 abc	100 a	100 a	100 a	100 a	5 bcd	
	NIS	0.25	% V/V	0.25	% V/V	FAL 2lf	B								
	UAN 28%	2.5	% V/V	1.5	QT/A	FAL 2lf	B								
25	Beyond	0.0316	LB A/A	4	FL OZ/A	SPR BJ	C	0 b	79 abc	79 a-d	99 a	89 abc	87 cde	3 bcd	
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C								
	UAN 28%	2.5	% V/V	1.5	QT/A	SPR BJ	C								
26	Brash	0.484	LB A/A	1	PT/A	FAL 2lf	B	16 a	23 ef	91 abc	100 a	100 a	98 a-d	18 a	
27	Brash	0.484	LB A/A	1	PT/A	SPR BJ	C	0 b	44 de	45 e-h	75 a-d	93 abc	84 ef	9 bc	
28	Brash	0.484	LB A/A	1	PT/A	SPR AJ	D	0 b	45 de	21 hi	50 d	41 d	96 a-e	3 bcd	

## Purdue University

Weed Code		TRZAW	POAAN	LAMAM	STEME	CERVU	RANAB	TRZAW							
Crop Code															
Rating Data Type		CI	EFF	EFF	EFF	EFF	EFF	CI							
Rating Unit		%	%	%	%	%	%	%							
Rating Date		28/Mar/2006	19/Apr/2006	19/Apr/2006	19/Apr/2006	19/Apr/2006	19/Apr/2006	19/Apr/2006							
Crop Stage															
Crop Stage Scale								18"							
Weed Stage			12"	11"	6"	6"	15"								
Weed Density, Unit			9 YD2	3 YD2	4 YD2	4 YD2	20 YD2								
Assessed By		EC and AW	BJ and GN	BJ and GN	BJ and GN	BJ and GN	BJ and GN	BJ and GN							
Trt-Eval Interval															
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code								
19								19							
20								20							
21								21							
22								22							
23								23							
24								24							
25								25							
29	Non-treated check	0	b	0	f	0	i	0	e	0	e	0	h	0	d
30	Non-treated check	0	b	0	f	0	i	0	e	0	e	0	h	0	d
LSD (P=.05)		2.7		27.8		32.7		27.3		25.8		12.4		8.4	
Standard Deviation		1.9		19.7		23.1		19.3		18.2		8.8		5.9	
CV		283.87		27.08		32.4		23.76		21.54		10.17		113.29	
Grand Mean		0.67		72.57		71.43		81.11		84.68		86.17		5.23	
Bartlett's X2		6.518		64.582		76.095		179.868		117.85		75.437		21.453	
P(Bartlett's X2)		0.038*		0.001*		0.001*		0.001*		0.001*		0.001*		0.718	
Replicate F		1.086		3.014		3.085		4.995		3.525		0.911		3.360	
Replicate Prob(F)		0.3597		0.0343		0.0314		0.0031		0.0183		0.4390		0.0224	
Treatment F		9.957		6.889		6.038		7.345		8.412		32.107		1.576	
Treatment Prob(F)		0.0001		0.0001		0.0001		0.0001		0.0001		0.0001		0.0553	

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

## Purdue University

Weed Code								GLXMA
Crop Code								
Rating Data Type								CI
Rating Unit								%
Rating Date								20/Jul/2006
Crop Stage								
Crop Stage Scale								VC
Weed Stage								4-6"
Weed Density, Unit								
Assessed By								EC
Trt-Eval Interval								
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	
1	Roundup OriginalMAX AMS	0.77 2.5	LB AE/A LB A/A	22 2.5	FL OZ/A LB/A	FALPRE FALPRE	A A	3 ab
2	Harmony Extra XP NIS	0.028 0.5	LB A/A % V/V	0.6 0.5	OZ/A % V/V	FAL 2lf FAL 2lf	B B	3 ab
3	Harmony Extra XP NIS	0.028 0.5	LB A/A % V/V	0.6 0.5	OZ/A % V/V	SPR BJ SPR BJ	C C	1 ab
4	Express NIS	0.0155 0.5	LB A/A % V/V	0.33 0.5	OZ/A % V/V	SPR BJ SPR BJ	C C	5 ab
5	Olympus NIS	0.0394 0.5	LB A/A % V/V	0.9 0.5	OZ/A % V/V	FAL 2lf FAL 2lf	B B	3 ab
6	Olympus NIS	0.0394 0.5	LB A/A % V/V	0.9 0.5	OZ/A % V/V	SPR BJ SPR BJ	C C	0 b
7	Osprey NIS UAN 28%	0.0134 0.5 3.33	LB A/A % V/V % V/V	4.75 0.5 2	OZ/A % V/V QT/A	FAL 2lf FAL 2lf FAL 2lf	B B B	0 b
8	Osprey NIS UAN 28%	0.0134 0.5 3.33	LB A/A % V/V % V/V	4.75 0.5 2	OZ/A % V/V QT/A	SPR BJ SPR BJ SPR BJ	C C C	3 ab
9	Olympus Flex NIS UAN 28%	0.0247 0.5 3.33	LB A/A % V/V % V/V	3.5 0.5 2	OZ/A % V/V QT/A	FAL 2lf FAL 2lf FAL 2lf	B B B	3 ab
10	Olympus Flex NIS UAN 28%	0.0247 0.5 3.33	LB A/A % V/V % V/V	3.5 0.5 2	OZ/A % V/V QT/A	SPR BJ SPR BJ SPR BJ	C C C	4 ab
11	Everest (MKH 6562) NIS	0.35 0.25	OZ A/A % V/V	0.5 0.25	OZ/A % V/V	SPR BJ SPR BJ	C C	3 ab
12	Everest (MKH 6562) NIS UAN 28%	0.35 0.25 2	OZ A/A % V/V QT/A	0.5 0.25 2	OZ/A % V/V QT/A	SPR BJ SPR BJ SPR BJ	C C C	4 ab
13	Everest (MKH 6562) NIS	0.42 0.25	OZ A/A % V/V	0.6 0.25	OZ/A % V/V	SPR BJ SPR BJ	C C	6 a
14	Everest (MKH 6562) NIS UAN 28%	0.42 0.25 2	OZ A/A % V/V QT/A	0.6 0.25 2	OZ/A % V/V QT/A	SPR BJ SPR BJ SPR BJ	C C C	0 b
15	Everest (MKH 6562) Harmony GT Express NIS	0.35 0.2 0.1 0.25	OZ A/A OZ A/A OZ A/A % V/V	0.5 0.4 0.2 0.25	OZ/A OZ/A OZ/A % V/V	SPR BJ SPR BJ SPR BJ SPR BJ	C C C C	0 b
16	Everest (MKH 6562) Harmony GT Express NIS UAN 28%	0.35 0.2 0.1 0.25 2	OZ A/A OZ A/A OZ A/A % V/V QT/A	0.5 0.4 0.2 0.25 2	OZ/A OZ/A OZ/A % V/V QT/A	SPR BJ SPR BJ SPR BJ SPR BJ SPR BJ	C C C C C	1 ab

## Purdue University

Weed Code								GLXMA
Crop Code								
Rating Data Type								CI
Rating Unit								%
Rating Date								20/Jul/2006
Crop Stage								
Crop Stage Scale								VC
Weed Stage								4-6"
Weed Density, Unit								
Assessed By								EC
Trt-Eval Interval								
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	
17	Everest (MKH 6562)	0.42	OZ A/A	0.6	OZ/A	SPR BJ	C	1 ab
	Harmony GT	0.25	OZ A/A	0.5	OZ/A	SPR BJ	C	
	Express	0.125	OZ A/A	0.25	OZ/A	SPR BJ	C	
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C	
18	Everest (MKH 6562)	0.42	OZ A/A	0.6	OZ/A	SPR BJ	C	0 b
	Harmony GT	0.25	OZ A/A	0.5	OZ/A	SPR BJ	C	
	Express	0.125	OZ A/A	0.25	OZ/A	SPR BJ	C	
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C	
	UAN 28%	2	QT/A	2	QT/A	SPR BJ	C	
19	Everest (MKH 6562)	0.35	OZ A/A	0.5	OZ/A	SPR BJ	C	0 b
	Glean PX	0.188	OZ A/A	0.25	OZ/A	SPR BJ	C	
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C	
20	Clearmax							1 ab
	Beyond	0.0316	LB A/A	4	FL OZ/A	FAL 2lf	B	
	MCPA-Ester	0.25	LB A/A	8	FL OZ/A	FAL 2lf	B	
	UAN 28%	2.5	% V/V	1.5	QT/A	FAL 2lf	B	
	NIS	0.25	% V/V	0.25	% V/V	FAL 2lf	B	
21	Clearmax							0 b
	Beyond	0.0316	LB A/A	4	FL OZ/A	SPR BJ	C	
	MCPA-Ester	0.25	LB A/A	8	FL OZ/A	SPR BJ	C	
	UAN 28%	2.5	% V/V	1.5	QT/A	SPR BJ	C	
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C	
22	Clearmax							4 ab
	Beyond	0.0316	LB A/A	4	FL OZ/A	FAL 2lf	B	
	MCPA-Ester	0.25	LB A/A	8	FL OZ/A	FAL 2lf	B	
	UAN 28%	2.5	% V/V	1.5	QT/A	FAL 2lf	B	
	NIS	0.25	% V/V	0.25	% V/V	FAL 2lf	B	
	Beyond	0.0316	LB A/A	4	FL OZ/A	SPR BJ	C	
	MCPA-Ester	0.25	LB A/A	8	FL OZ/A	SPR BJ	C	
	UAN 28%	2.5	% V/V	1.5	QT/A	SPR BJ	C	
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C	
23	Clearmax							4 ab
	Beyond	0.0316	LB A/A	4	FL OZ/A	SPR BJ	C	
	MCPA-Ester	0.25	LB A/A	8	FL OZ/A	SPR BJ	C	
	UAN 28%	2.5	% V/V	1.5	QT/A	SPR BJ	C	
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C	
	Headline	0.049	LB A/A	3	FL OZ/A	SPR BJ	C	
24	Beyond	0.0316	LB A/A	4	FL OZ/A	FAL 2lf	B	4 ab
	NIS	0.25	% V/V	0.25	% V/V	FAL 2lf	B	
	UAN 28%	2.5	% V/V	1.5	QT/A	FAL 2lf	B	
25	Beyond	0.0316	LB A/A	4	FL OZ/A	SPR BJ	C	5 ab
	NIS	0.25	% V/V	0.25	% V/V	SPR BJ	C	
	UAN 28%	2.5	% V/V	1.5	QT/A	SPR BJ	C	
26	Brash	0.484	LB A/A	1	PT/A	FAL 2lf	B	1 ab
27	Brash	0.484	LB A/A	1	PT/A	SPR BJ	C	1 ab
28	Brash	0.484	LB A/A	1	PT/A	SPR AJ	D	0 b

# Purdue University

Weed Code	GLXMA							
Crop Code								
Rating Data Type	CI							
Rating Unit	%							
Rating Date	20/Jul/2006							
Crop Stage								
Crop Stage Scale	VC							
Weed Stage	4-6"							
Weed Density, Unit								
Assessed By	EC							
Trt-Eval Interval								
Trt No.	Treatment Name	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	26
29	Non-treated check							0 b
30	Non-treated check							0 b
LSD (P=.05)	5.5							
Standard Deviation	3.9							
CV	204.57							
Grand Mean	1.92							
Bartlett's X2	17.046							
P(Bartlett's X2)	0.587							
Replicate F	4.065							
Replicate Prob(F)	0.0094							
Treatment F	0.862							
Treatment Prob(F)	0.6670							

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