

Reviton Burndown Programs in Corn Arlington, WI 2021

Trial Information

Trial Sponsor(s): Helm Agro

Objective: Evaluate Reviton for control of weeds in a burndown management situation

Crop: Corn

Hybrid: B97T04SXE

Weed species (pressure): glyphosate-R marestail (moderate-high)
dandelion (moderate-high)
lambsquarters (moderate-high)

Herbicide Application(s): Preplant burndown – 5/12

For the full report see trial #21-ARL-CN15 in the [2021 Wisconsin Weed Science Research Report](#)



Cropping Systems Weed Science
UNIVERSITY OF WISCONSIN-MADISON



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Trt #	Herbicide (rate acre ⁻¹)	Marestail ^b (%)			Dandelion (%)			Lambsquarters (%)		
		5 DAT	14 DAT	22 DAT	5 DAT	14 DAT	22 DAT	5 DAT	14 DAT	22 DAT
1	Untreated Check	0	0	0	0	0	0	0	0	0
One-Pass – Pre-plant Burndown (5/12)										
2	Reviton (2 oz) + Destiny HC 0.25% v/v	99	90	77	98	68	40	95	79	61
3	Reviton (1 oz) + Roundup PM (22 oz) + Destiny HC 0.25% v/v + AMS ^c	99	87	80	98	93	86	99	100	98
4	Sharpen (1.5 oz) + Roundup PM (22 oz) + Destiny HC 0.25% v/v + AMS ^c	100	99	98	98	96	88	98	99	99
5	Reviton (1 oz) + Argos (5 oz) + Fearless (2 pt) + Roundup PM (22 oz) + Destiny HC 0.25% v/v + AMS ^c	97	100	100	97	99	99	97	100	100
LSD ($\alpha=0.10$)		1	6	8	2	5	10	2	3	5
p value		0.017	0.005	<0.001	0.447	<0.001	<0.001	0.032	<0.001	<0.001

^bMarestail population is glyphosate resistant.

^cSpray grade AMS applied at 8.5 lb/100 gal.

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Plot pictures taken on 5/17
5 days after the burndown application

The number in the upper right-hand corner is the average %
glyphosate-R marestail control of 4 replications



5 days after Burndown (5/17)

Burndown: 2 fl oz Reviton + 0.25% Destiny HC

99%



5 days after Burndown (5/17)

Burndown: 1 fl oz Reviton + 22 fl oz Roundup PM + 0.25% Destiny HC + AMS 99%



5 days after Burndown (5/17)

Burndown: 1.5 fl oz Sharpen+22 fl oz Roundup PM+0.25% Destiny HC+AMS 100%



5 days after Burndown (5/17)

Burndown: 2 fl oz Reviton + 5 fl oz Argos + 2 pt Fearless +
22 fl oz Roundup PM + 0.25% Destiny HC + AMS

97%



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Plot pictures taken on 5/26
14 days after the burndown application

The number in the upper right-hand corner is the average %
glyphosate-R marestail control of 4 replications

14 days after Burndown (5/26)

0%

Untreated Check



14 days after Burndown (5/26)

Burndown: 2 fl oz Reviton + 0.25% Destiny HC

90%



14 days after Burndown (5/26)

Burndown: 1 fl oz Reviton + 22 fl oz Roundup PM + 0.25% Destiny HC + AMS 87%



14 days after Burndown (5/26)

Burndown: 1.5 fl oz Sharpen+22 fl oz Roundup PM+0.25% Destiny HC+AMS

99%



14 days after Burndown (5/26)

**Burndown: 1 fl oz Reviton + 5 fl oz Argos + 2 pt Fearless +
22 fl oz Roundup PM + 0.25% Destiny HC + AMS**

100%



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Plot pictures taken on 6/3
22 days after the burndown application

The number in the upper right-hand corner is the average %
glyphosate-R marestail control of 4 replications

22 days after Burndown (6/3)
Untreated Check

0%



22 days after Burndown (6/3)

Burndown: 2 fl oz Reviton + 0.25% Destiny HC

77%



22 days after Burndown (6/3)

Burndown: 1 fl oz Reviton + 22 fl oz Roundup PM + 0.25% Destiny HC + AMS 80%



22 days after Burndown (6/3)

Burndown: 1.5 fl oz Sharpen+22 fl oz Roundup PM+0.25% Destiny HC+AMS

98%



22 days after Burndown (6/3)

**Burndown: 1 fl oz Reviton + 5 fl oz Argos + 2 pt Fearless +
22 fl oz Roundup PM + 0.25% Destiny HC + AMS**

100%

