

# 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 <sup>-1</sup> )                                                                       | Marestail <sup>b</sup> (%) |        |        | 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 <sup>c</sup>                                  | 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 <sup>c</sup>                                | 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 <sup>c</sup> | 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 |

<sup>b</sup>Marestail population is glyphosate resistant.

<sup>c</sup>Spray grade AMS applied at 8.5 lb/100 gal.

# Reviton Burndown Programs in Corn Arlington, WI 2021

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



5 days after Burndown (5/17) 100%  
Burndown: 1.5 fl oz Sharpen+22 fl oz Roundup PM+0.25% Destiny HC+AMS



**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%**



# Reviton Burndown Programs in Corn Arlington, WI 2021

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)  
Untreated Check

0%





14 days after Burndown (5/26) 87%  
Burndown: 1 fl oz Reviton + 22 fl oz Roundup PM + 0.25% Destiny HC + AMS



14 days after Burndown (5/26) 99%  
Burndown: 1.5 fl oz Sharpen+22 fl oz Roundup PM+0.25% Destiny HC+AMS



**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%**



# Reviton Burndown Programs in Corn Arlington, WI 2021

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) 98%

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



**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%**

