

Metribuzin in Early Planted Soybean Brooklyn, WI 2025

Trial Information

Trial Sponsor(s): United Soybean Board

Objective: Evaluate different metribuzin rates in comprehensive herbicide programs to maximize PRE waterhemp control and minimize crop injury in early- and late-planted soybeans

Crop: Enlist Soybean

Variety: GH2292E3

Weed species (pressure): glyphosate-R waterhemp (high)

Herbicide Application(s):	Early Planting Date	Late Planting Date
	PRE – 4/30	PRE – 5/27
	POST – 6/19 (V4/V5)	POST – 6/26 (V3)

For the full report see trial #25-BRO-USB01 in the [2025 Wisconsin Weed Science Research Report](#)



Cropping Systems Weed Science
UNIVERSITY OF WISCONSIN-MADISON

Metribuzin in Early Planted Soybean Brooklyn, WI 2025

Plant Date	POST App Date	Trt #	Herbicide (rate acre ⁻¹)	Control (%)		Density (plants/m ²)		Biomass (g/m ²)	Yield ^b bu acre ⁻¹
				14 DAE	@POST	14 DAE	@POST	@POST	
Early	-	8	Untreated Check	0	0	7.0	73.0	15.0	57 bc
Late	-	16	Untreated Check	0	0	40.0	31.5	21.4	52 c
Two-Pass – PRE fb POST^c									
Early	6/19	1	Fierce EZ (6 fl oz)	99	83	0.0	49.5	6.8	76 a
		2	Fierce EZ (6 fl oz) + Metricor DF (4 oz)	99	91	0.0	29.0	6.3	73 a
		3	Fierce EZ (6 fl oz) + Metricor DF (8 oz)	99	94	0.0	23.5	1.4	75 a
		4	Fierce EZ (6 fl oz) + Metricor DF (12 oz)	99	96	0.0	13.5	1.6	72 a
		5	Fierce EZ (6 fl oz) + Metricor DF (16 oz)	99	98	0.0	29.0	1.0	76 a
		6	Spartan (10 fl oz)	99	76	0.6	58.0	8.8	75 a
		7	Preview 2.1SC (23 fl oz)	99	88	0.0	37.5	4.3	74 a
	Average (trts 1-7)			99	89	0.1	34.3	4.3	74
Late	6/26	9	Fierce EZ (6 fl oz)	95	93	15.0	12.0	9.6	69 ab
		10	Fierce EZ (6 fl oz) + Metricor DF (4 oz)	97	94	6.0	8.5	6.1	71 a
		11	Fierce EZ (6 fl oz) + Metricor DF (8 oz)	98	95	11.6	7.0	3.4	69 ab
		12	Fierce EZ (6 fl oz) + Metricor DF (12 oz)	98	99	4.6	3.0	3.1	69 ab
		13	Fierce EZ (6 fl oz) + Metricor DF (16 oz)	99	98	4.0	1.5	0.9	68 ab
		14	Spartan (10 fl oz)	88	78	28.6	33.0	22.4	70 a
		15	Preview 2.1SC (23 fl oz)	97	94	6.6	10.5	5.0	69 ab
	Average (trts 9-15)			96	93	10.9	10.8	7.2	69
LSD (α=0.10)				2	4	13.0	20.2	8.0	8
p value				<.001	<.001	<.001	<.001	<.001	<.001

^aWaterhemp density collected from two 0.25 m² quadrats 14 days after emergence (DAE) of each respective planting date and at the time of the POST herbicide application.

^bYield values with the same letter are not significantly different.

^cPOST application of Liberty (32 oz) + Enlist One (2 pt) + Dual II Magnum (1.5 pt) + AMS (3 lb) was made when average waterhemp height reached 4 inches.

Metribuzin in Early Planted Soybean Brooklyn, WI 2025

Plot pictures taken on the day of the POST
herbicide application

6/19 - Early Planting Date (trts 1-8)

6/26 - Late Planting Date (trts 9-16)

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

50 days after PRE (6/19)
Untreated Check

Early Planting
0%



50 days after PRE (6/19)
PRE: 6 oz Fierce EZ

Early Planting
83%



50 days after PRE (6/19)
PRE: 6 oz Fierce EZ + 4 oz Metricor DF

Early Planting
91%



50 days after PRE (6/19)

PRE: 6 oz Fierce EZ + 8 oz Metricor DF

Early Planting

94%



50 days after PRE (6/19)

PRE: 6 oz Fierce EZ + 12 oz Metricor DF

Early Planting

96%



50 days after PRE (6/19)

PRE: 6 oz Fierce EZ + 16 oz Metricor DF

Early Planting

98%



50 days after PRE (6/19)
PRE: 10 oz Spartan

Early Planting
76%



50 days after PRE (6/19)
PRE: 23 oz Preview 2.1SC

Early Planting
88%



30 days after PRE (6/26)
Untreated Check

Late Planting
0%



30 days after PRE (6/26)
PRE: 6 oz Fierce EZ

Late Planting
93%



30 days after PRE (6/26)

PRE: 6 oz Fierce EZ + 4 oz Metricor DF

Late Planting

94%



30 days after PRE (6/26)

PRE: 6 oz Fierce EZ + 8 oz Metricor DF

Late Planting

95%



30 days after PRE (6/26)

PRE: 6 oz Fierce EZ + 12 oz Metricor DF

Late Planting

99%



30 days after PRE (6/26)

PRE: 6 oz Fierce EZ + 16 oz Metricor DF

Late Planting

98%



30 days after PRE (6/26)
PRE: 10 oz Spartan

Late Planting
78%



30 days after PRE (6/26)
PRE: 23 oz Preview 2.1SC

Late Planting
94%



Metribuzin in Early Planted Soybean Brooklyn, WI 2025

Plot pictures taken on 9/30
4 days before soybean harvest



Soybean Harvest (9/30)

Early Planting

PRE: 6 oz Fierce EZ *fb*

POST: 2 pt Enlist One + 32 oz Liberty + 1.5 pt Dual II Magnum + AMS



Soybean Harvest (9/30)

Early Planting

PRE: 6 oz Fierce EZ + 4 oz Metricor DF *fb*

POST: 2 pt Enlist One + 32 oz Liberty + 1.5 pt Dual II Magnum + AMS



Soybean Harvest (9/30)

Early Planting

PRE: 6 oz Fierce EZ + 8 oz Metricor DF *fb*

POST: 2 pt Enlist One + 32 oz Liberty + 1.5 pt Dual II Magnum + AMS



Soybean Harvest (9/30)

Early Planting

PRE: 6 oz Fierce EZ + 12 oz Metricor DF *fb*

POST: 2 pt Enlist One + 32 oz Liberty + 1.5 pt Dual II Magnum + AMS



Soybean Harvest (9/30)

Early Planting

PRE: 6 oz Fierce EZ + 16 oz Metricor DF *fb*

POST: 2 pt Enlist One + 32 oz Liberty + 1.5 pt Dual II Magnum + AMS



Soybean Harvest (9/30)

Early Planting

PRE: 10 oz Spartan *fb*

POST: 2 pt Enlist One + 32 oz Liberty + 1.5 pt Dual II Magnum + AMS



Soybean Harvest (9/30)

Early Planting

PRE: 23 oz Preview 2.1SC fb

POST: 2 pt Enlist One + 32 oz Liberty + 1.5 pt Dual II Magnum + AMS





Soybean Harvest (9/30)

Late Planting

PRE: 6 oz Fierce EZ *fb*

POST: 2 pt Enlist One + 32 oz Liberty + 1.5 pt Dual II Magnum + AMS



Soybean Harvest (9/30)

Late Planting

PRE: 6 oz Fierce EZ + 4 oz Metricor DF *fb*

POST: 2 pt Enlist One + 32 oz Liberty + 1.5 pt Dual II Magnum + AMS



Soybean Harvest (9/30)

Late Planting

PRE: 6 oz Fierce EZ + 8 oz Metricor DF *fb*

POST: 2 pt Enlist One + 32 oz Liberty + 1.5 pt Dual II Magnum + AMS



Soybean Harvest (9/30)

Late Planting

PRE: 6 oz Fierce EZ + 12 oz Metricor DF *fb*

POST: 2 pt Enlist One + 32 oz Liberty + 1.5 pt Dual II Magnum + AMS



Soybean Harvest (9/30)

Late Planting

PRE: 6 oz Fierce EZ + 16 oz Metricor DF *fb*

POST: 2 pt Enlist One + 32 oz Liberty + 1.5 pt Dual II Magnum + AMS



Soybean Harvest (9/30)

Late Planting

PRE: 10 oz Spartan *fb*

POST: 2 pt Enlist One + 32 oz Liberty + 1.5 pt Dual II Magnum + AMS



Soybean Harvest (9/30)

Late Planting

PRE: 23 oz Preview 2.1SC *fb*

POST: 2 pt Enlist One + 32 oz Liberty + 1.5 pt Dual II Magnum + AMS

