

XtendFlex Soybean Herbicide Recommendations for ESA Counties (Brooklyn, WI 2021)

Trt # Herbicide (rate acre ⁻¹)	Injury ^c (%)		Waterhemp (%)				Overall ^d (%)				Yield ^b bu acre ⁻¹
	6/30	7/7	6/16	6/22	7/7	9/21	6/16	6/22	7/7	9/21	
1 Untreated Check	0	0	0	0	0	0	0	0	0	0	50 d
Two-Pass – PRE (5/26) <i>fb</i> POST (6/22)											
2 Fierce EZ (6 fl oz) <i>fb</i> Liberty (32 fl oz) + MON 301668 (30 fl oz) + AMS**	12.5	10.0	95	91	100	99	90	85	98	99	66 abc
3 Fierce EZ (6 fl oz) + XtendiMax (22 fl oz)* <i>fb</i> Liberty (32 fl oz) + MON 301668 (30 fl oz) + AMS**	12.5	10.5	98	96	100	100	97	95	100	100	66 abc
4 Fierce EZ (6 fl oz) <i>fb</i> Liberty (32 fl oz) + Roundup PM3 (30 fl oz) + MON 301668 (30 fl oz) + AMS**	12.0	9.3	96	92	100	99	88	81	99	99	68 ab
5 Fierce EZ (6 fl oz) + XtendiMax (22 fl oz)* <i>fb</i> Liberty (32 fl oz) + Roundup PM3 (30 fl oz) + MON 301668 (30 fl oz) + AMS**	12.0	10.8	98	96	100	100	97	96	100	100	69 a
6 Fierce EZ (6 fl oz) <i>fb</i> Warrant Ultra (48 fl oz) + Liberty (32 fl oz) + AMS**	21.8	16.3	94	90	99	100	87	83	98	99	63 c
7 Fierce EZ (6 fl oz) + XtendiMax (22 fl oz)* <i>fb</i> Warrant Ultra (48 fl oz) + Liberty (32 fl oz) + AMS**	21.3	15.0	100	97	100	100	98	96	100	100	63 c
8 Fierce EZ (6 fl oz) <i>fb</i> Warrant Ultra (48 fl oz) + Liberty (32 fl oz) + Roundup PM3 (30 fl oz) + AMS**	23.3	16.5	94	88	100	100	90	85	97	98	66 abc
9 Fierce EZ (6 fl oz) + XtendiMax (22 fl oz)* <i>fb</i> Warrant Ultra (48 fl oz) + Liberty (32 fl oz) + Roundup PM3 (30 fl oz) + AMS**	23.5	16.3	99	97	100	100	96	95	100	100	64 bc
LSD ($\alpha=0.10$)	3.0	1.9	3	4	ns	0.5	3	4	ns	ns	4
p value	<.001	<.001	0.006	0.002	0.168	0.080	<.001	<.001	0.398	0.704	<0.001

^aVisual control from 70-100% is illustrated on a color scale with green representing greater weed control values.

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

^cCrop injury symptoms included leaf necrosis (burn) and leaf crinkling.

^dOverall weed control included all species in the trial area: waterhemp, velvetleaf, and common lambsquarters.

*All PRE applications of XtendiMax included 20 fl oz/a VaporGrip Xtra, a volatility reducing agent.

**Liquid AMS was applied at 2.5% v/v