

# CHEMICAL WEED CONTROL FOR FIELD CROPS

## Fall or Spring Early Pre-Plant Herbicides

Rate/A**	See paragraph	Alfalfa	Barley	Canola/Crambe	Chick pea / Lentil	Corn	Dry bean	Field pea	Flax	Oat	Potato	Safflower	Soybean	Sugarbeet	Sunflower	HRS / Durum Wheat	months before planting (d = days)																						
																	1	1	1	1	7d	1	1	1	1	1	1	1	1	15d	1	1	1						
2,4-D amine*	0.5 lb ai	B3	1	1	1	1	7d	1	1	1	1	1	1	1	15d	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
	1 lb ai	B3	1	1	1	1	14d	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
2,4-D ester*	0.5 lb ai	B3	1	1	1	1	7d	1	1	1	1	1	1	7d	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
	1 lb ai	B3	1	1	1	1	14d	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
E-99	1 lb ai	B3	1	1	1	1	14d	1	1	1	1	1	1	15d	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Weedone 650	1 lb ai	B3	1	1	1	1	14d	1	1	1	1	1	1	15d	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Aim EC	2 fl oz	B4	0	0	N/A	0	0	0	0	0	0	0	N/A	0	N/A	0	0	N/A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Affinity / thifensulfuron & tribenuron*		C4																																					
All formulations	Label rates	C4	1.5	0	2	1.5	14d	1.5	1.5	1.5	1.5	1.5	1.5	14d	2	1.5	0																						
Banvel / dicamba*	4 fl oz	B5	12d	0	12d	12d	0	12d	12d	12d	0	12d	12d	14d	12d	12d	0																						
	1 pt	B5	1.5	1.5	1.5	1.5	0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5																						
Express / tribenuron*																																							
All formulations	Label rates	C4	1.5	0	2	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2	1.5	0																						
Harmony / thifensulfuron*																																							
All formulations	Label rates	C4	1.5	0	1.5	1.5	0	1.5	1.5	1.5	0	1.5	1.5	0	1.5	1.5	0																						
Ignite 280	29 - 36 fl oz	D13	6	70d	0	6	0	6	6	6	70d	70d	6	0	0	6	70d																						
Integrity	10-16 fl oz	B9	NCS	NCS	NCS	NCS	0	NCS	NCS	NCS	NCS	NCS	NCS	NCS	NCS	NCS	NCS																						
Paramount	0.33 lb	B7	Rotate only to wheat - Refer to Label or Crop Rotation Restrictions Table															0																					
paraquat* - RUP	Label rates	B8	0	0	N/A	N/A	0	0	0	N/A	N/A	0	0	0	0	0	0																						
Pre-Pare	0.3 oz	C12	24	9	9	24	11	9	11	9	11	9	9	9	9	9	9																						
Rage D-Tech	9 - 16 fl oz	B3-4	1	1	1	1	7d	1	1	1	1	1	1	7d	1	1	1																						
	17 - 24 fl oz	B3-4	1	1	1	1	14d	1	1	1	1	1	1	14d	1	1	1																						
	25 - 32 fl oz	B3-4	1	1	1	1	14d	1	1	1	1	1	1	1	1	1	1																						
Roundup/generic*	0.75 - 3 lb ae	A4-7, B2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																						
Sequence	2.5 - 3.5 pt	A4	4	4.5	NCS	0/12	0	0	0	NCS	4.5	0	NCS	0	NCS	NCS	4.5																						
Sharpen	1 fl oz	B9	4	0	4	0/1	0	4	0	4	0	4	4	0-1	4	4	0																						
Sharpen	2 fl oz	B9	5	0	5	0/2	0	5	1	5	0	5	5	1-2	5	5	0																						
Sharpen	3 fl oz	B9	6	0	6	2/3	0	6	3	6	0	6	6	2-3	6	6	0																						
Spartan	3 - 8 fl oz	A4, E12	12	4	24	0	10	12	0	12	12	12	12	0	36	0	4																						
Spartan Advance	16 - 57 fl oz	A4, E12	12	4	24	0	10	12	0	12	12	12	12	0	36	0	4																						
Spartan Charge	3 - 10.2 fl oz	B4, E12	12	4	24	0	4	12	0	12	12	12	12	0	36	0	4																						
Valor + tillage	2 oz	B2	4	3	4	4	1	3	3	4b	4	4b	4	0	4	1	1																						
- tillage	2 oz	B2	8	3	8	8	14d	3	3	8b	8	8b	8	0	8	1	1																						
+ tillage	3 oz	B2	5	4	12	12b	1	4	4	12b	5	12b	12b	0	5	2	2																						
- tillage	3 oz	B2	10	4	12	12b	1	4	4	12b	10	12b	12b	0	10	2	2																						

\*= Refer to pages 104-105 for generic brands names.

\*\*= Refer to label for approved rates for each crop.

b = bioassay

d = days before planting

NCS = Next cropping season

Valor = refer to label for rates >3 oz/A.

Glyphosate product rates based on formulation, acid equivalent (ae) and active ingredient (ai).

lb ae	lb ai	0.75 lb ae	1.125 lb ae	1.5 lb ae	2.25 lb ae	3 lb ae
----- fl oz/A -----						
3	= 4	= 32	48	64	96	128
3.75	= 5	= 26	38	51	77	102
4	= 5.4	= 24	36	48	72	96
4.17	= 5.1	= 24	36	48	72	96
4.5	= 5.5	= 22	32	44	64	88
5	= 6.1	= 20	30	40	60	80

Lbs ae/gal or ai/gal are found on glyphosate product labels.

Refer to page 4 for an explanation of active ingredient (ai) and acid equivalent (ae).