

# SAFFLOWER

Herbicide	Product/A (ai/A)	Weeds	When to Apply	Remarks and Paragraphs
<b>Refer to page 6 for Fall or Spring Early Preplant Herbicides.</b>				
<b>Soil-Applied Herbicides</b>				
<b>Eptam</b> (EPTC <sup>8</sup> )	<b>3.5 pt EC</b> <b>15 lb 20G</b> (3 lb)	Grass and some broadleaf weeds.	PPI.	Refer to narrative A1 for application information. Poor wild mustard control. A1-2 B1
<b>Prowl H2O</b> (pendimethalin <sup>3</sup> )	<b>2.5 to 3.5 pt 3.8AS</b> (1.19 to 1.66 lb)		PPI. Fall.	Poor wild oat and no wild mustard control. Adjust rate for soil type.
	<b>2 to 3 pt 3.8ACS</b> (0.95 to 1.43 lb)		PPI or PRE. Spring.	Refer to label for tank-mix options. Use highest rate allowed for broadleaf weed control. A1-2 B1 B7
<b>Treflan / generic</b> trifluralin <sup>3</sup>	<b>1 to 2 pt EC</b> <b>5 to 10 lb 10G</b> (0.5 to 1 lb)		PPI. Fall or spring.	
<b>Sonalan</b> (ethalfluralin <sup>3</sup> )	<b>1.5 to 3 pt EC</b> <b>5.5 to 11.5 lb 10G</b> (0.55 to 1.15 lb)		PPI. Fall or Spring.	
<b>Dual Magnum</b> (S-metolachlor <sup>15</sup> )	<b>1 to 2 pt EC</b> (0.95 to 1.9 lb)		Shallow PPI or PRE.	Shallow PPI gives more consistent weed control. PRE requires precipitation for activation. A1-2 B1 S3
<b>Spartan Charge</b> (carfentrazone <sup>14</sup> & sulfentrazone <sup>14</sup> )	<b>2.5 to 5 fl oz SE</b> (0.1 to 0.2 oz & 1 to 2 oz)	Small-seeded broadleaf weeds.	ND Section 24c label indemnification agreement required - user assumes all risk of crop injury. Do not use on coarse texture soils, soil <1.5% OM, or soil pH >7.6. Adjust rate for soil type and soil pH. A1-2	
<b>POST-Applied Herbicides</b>				
<b>Harmony SG</b> (thifensulfuron <sup>2</sup> )	<b>0.45 to 0.6 oz SG</b> (0.225 to 0.3 oz)	Small annual broadleaf weeds.	POST: Allow an 81 day PHI. Weeds: Small.	Add oil adjuvant at 1 to 2 pt pt/A + UAN at 2 to 4 qt/A or AMS at 2 lb/A. Sequential applications are allowed but do not exceed 0.6 oz/A. A3 A5-8
<b>Poast</b> (sethoxydim <sup>1</sup> )	<b>0.5 to 1.5 pt EC</b> (0.1 to 0.3 lb)	Annual grasses.	POST. Safflower: Refer to PHI. PHI: 70 days.	Add oil adjuvant at 1 gal/100 gal water but not less than 1.25 pt/A. Refer to label for tank-mix options.
<b>Select Max 1EC</b> <b>Select 2EC</b> <b>Shadow 3EC</b> (clethodim <sup>1</sup> )	<b>9 to 16 fl oz EC</b> <b>4 to 8 fl oz EC</b> <b>2.66 to 5.33 EC</b> (1 to 2 oz)	Annual grasses and quackgrass.	Grass weeds: Refer to soybean section - page 27.	Refer to Remarks in the POST grass herbicide section under Soybean for methods to avoid antagonism and reduced grass control from broadleaf herbicides. A3 A5-6
<b>Preharvest Herbicide</b>				
Glyphosate <sup>9</sup>	Up to 2.25 lb ae <b>See Remarks.</b>	Preharvest weed control.	White seed coat and >20 days after end of secondary branch flowering. PHI: 7 days	<b>Do not apply to safflower grown for seed because reduced germination / vigor may occur.</b> Use only registered formulations. Add AMS at 8.5 lb/100 gal. A3-7 B8
<b>Drexel Defol</b> (sodium chlorate)	<b>1 gal 6 SL</b> (6 lb)	Desiccant.	Prior to harvest. After physiological maturity. PHI: Defol = 7 days. Sharpen = 7 days. Valor = 5 days.	Contact herbicides require >15 gpa and full sunlight. Apply at >10 gpa for ground and >5 gpa for aerial application. Apply Sharpen and Valor with AMS at 8.5 to 17 lb/100 gal water or UAN at 2.5 gal/100 gal water and with glyphosate or paraquat for weed desiccation. Glyphosate improves weed control from Sharpen and Valor but antagonism may occur on biennial and perennial weeds. <b>Do not apply Sharpen to safflower grown for seed because reduced germination/vigor may occur.</b> B11
<b>Sharpen + MSO adjuvant</b> (saflufenacil <sup>14</sup> )	<b>1 to 2 fl oz SC + 1 to 1.5 p/A</b> (0.36 to 0.72 oz)			
<b>Valor SX</b> <b>Valor EZ + MSO adjuvant</b> (flumioxazin <sup>14</sup> )	<b>2 to 3 oz WDG</b> <b>2 to 3 fl oz SC + 2 pt/A</b> (1.02 to 1.53 oz)			