

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>				
Treflan / generic trifluralin <sup>3</sup>	<b>1 to 2 pt EC 5 to 10 lb 10G</b> (0.5 to 1 lb)	Grass and some broadleaf weeds.	PPI. Fall.	Adjust rate for soil texture. Deep incorporate within 24 hours after application. A1-2 B1 B7 K1-2
Callisto (mesotrione <sup>27</sup> )	<b>3 to 6 fl oz SC</b> (1.5 to 3 oz)	Small broadleaf weeds.	PRE to flax crop. PRE or POST to weeds.	POST: Add MSO adjuvant at 1.25 pt/A + UAN at 2.5 gal/100 gal or AMS at 8.5 lb/100 gallons water. Do not apply POST to flax. A3 A5-6 K1
Spartan (sulfentrazone <sup>14</sup> )	<b>3 to 8 fl oz F</b> (1.5 to 4 oz)	Small-seeded broadleaf weeds including kochia, lambsquarters, pigweed species, nightshade, and b. wormwood.	EPP, shallow PPI, PRE or Fall.	PRE requires precipitation for activation. Adjust rate for soil type. May give 6 to 8 weeks residual weed control. Refer to label for application information. A1-2 B1 K1
Spartan Charge (carfentrazone <sup>14</sup> & sulfentrazone <sup>14</sup> )	<b>3.75 to 7.75 fl oz SC</b> (0.16 to 0.34 oz & 1.48 to 3.05 oz)			
<b>POST-Applied Herbicides</b>				
Bromoxynil <sup>6</sup>	<b>1 pt</b> (0.25 lb)	Small broadleaf weeds.	POST. Flax: 2- to 8-inches tall.	Most active in hot and sunny conditions. Poor wild mustard control. Flax injury is possible. K1
MCPA <sup>4</sup>	<b>0.5 pt 4EC/SL</b> (0.25 lb ae)			Use MCPA ester on hard-to-kill weeds. Early application is less injurious to flax. K1
Bromoxynil <sup>6</sup> & MCPA <sup>4</sup>	<b>0.9 pt 4EC 11.4 fl oz 5EC</b> (0.23 & 0.23 lb ae)			Apply to small weeds prior to bud stage of flax. Risk of flax injury is greatest in hot and humid weather. K1
Curtail M / generic clopyralid <sup>4</sup> &MCPA <sup>4</sup>	<b>1.33 to 1.75 pt SL</b> (1.1 to 1.5 oz ae & 6.25 to 8.25 oz ae)	Broadleaf weeds including C. thistle and sowthistle.	POST. Flax: 2- to 6-inches tall. Weeds: Small.	Rates allowed through ND Supplemental labeling. Allow a 72 day PHI. Apply after most Canada thistle shoots have emerged and <6-inches tall. K1 T3
Assure II / Targa (quizalofop <sup>1</sup> )	<b>7 to 12 fl oz EC</b> (0.77 to 1.32 oz)	Annual grasses and quackgrass.	POST. Flax: PHI: Assure = 60 days. Targa = 70 days. Poast = 75 days. Clethodim = 60 days and prior to bloom.	Add oil adjuvant at 1 gal/100 gal water but not less than 1.25 pt/A. Refer to label for tank-mix options. Refer to Remarks in the POST grass herbicide section under Soybean for methods to avoid antagonism and reduced grass control from broadleaf herbicides. May be tank-mixed with bromoxynil or MCPA ester for broad-spectrum weed control. Clethodim may injure flax when applied during bloom. A3 A5-6
Poast (sethoxydim <sup>1</sup> )	<b>0.5 to 1.5 pt EC</b> (0.1 to 0.3 lb)	Annual grasses.	Grass: Refer to soybean section on page 27.	
Select Max 1EC Select 2EC Shadow 3EC (clethodim <sup>1</sup> )	<b>9 to 16 fl oz EC 4 to 8 fl oz EC 2.66 to 5.33 EC</b> (1 to 2 oz)	Annual grasses and quackgrass.		
<b>Preharvest Herbicides</b>				
Glyphosate <sup>9</sup>	Up to 1.125 ae <b>See Remarks.</b>	Emerged annual and perennial grass and broadleaf weeds.	Prior to harvest. Flax seed = 30% or less moisture. PHI = 7 days.	<b>Do not apply to flax grown for seed because reduced germination / vigor may occur.</b> Use registered formulations. Add AMS at 8.5 lbs/100 gal. A3-7 B8
Drexel Defol (sodium chlorate)	<b>1 gal 6 SL</b> (6 lb)	Desiccant.	Prior to harvest. Flax: 70 to 80% of the bolls are brown. 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 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 flax grown for seed because reduced germination/vigor may occur.</b> B12
Sharpen + MSO (saflufenacil <sup>14</sup> )	<b>1 to 2 fl oz SC + 1 to 1.5 pt</b> (0.36 to 0.72 oz)			
Valor SX Valor EZ + MSO (flumioxazin <sup>14</sup> )	<b>2 to 3 oz WDG 2 to 3 fl oz SC + 2 pt</b> (1.02 to 1.53 oz)			