

CANOLA AND RAPESEED

Herbicide	Product/A (ai/A)	Weeds	When to Apply	Remarks and Paragraphs
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Refer to page 6 for Fall or Spring Early Preplant Herbicides.

Refer to page 43 for additional herbicides to use in conventional or herbicide-resistant canola.

Soil-Applied Herbicides

Treflan / generic trifluralin ³	1 to 2 pt EC 5 to 10 lb 10G (0.5 to 1 lb)	Grass and some broadleaf weeds.	PPI. Spring or Fall.	Adjust rate for soil type. A1-2 B1 B7 E10 L1 S3 Y1 Y13 Y15
Sonalan (ethalfuralin ³)	1.5 to 2.5 pt EC 5.5 to 9.5 lb 10G (0.55 to 0.95 lb)	Grass and some broadleaf weeds. May suppress kochia.	PPI. Fall or Spring.	Adjust rate for soil type. Poor wild oat and no wild mustard control. May result in reduced crop stand or early injury. May provide greater broadleaf weed control than trifluralin. A1-2 B1 B7 E10 L1 S7 Y13 Y15

POST-Applied Herbicides

Stinger / generic clopyralid ⁴	4 to 8 fl oz SL (1.5 to 3 oz ae)	Broadleaf weeds including thistles.	POST. Crop: 2- to 6-leaves. Annual weeds: Small.	Apply after most thistle shoots have emerged. Allow a 50 day PHI. A3 A6 L1-2 T3
Assure II Targa (quizalofop ¹)	7 to 12 fl oz EC (0.77 to 1.32 oz)	Annual grasses and quackgrass.	POST. Crop: Refer to PHI. PHI: Assure = 60 days. Poast = 60 days. Clethodim = 70 days and prior to bolting. Grass weeds: Refer to soybean section - page 27.	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. Avoid drift to small grain and desirable grass species. Clethodim may injure canola when applied during bloom. A3 A5-6 E2 L1
Poast (sethoxydim ¹)	1 to 1.5 pt EC (0.2 to 0.3 lb)			
Select Max 1EC Select 2EC Shadow 3EC (clethodim ¹)	9 to 12 fl oz EC 4 to 6 fl oz EC 2.66 to 5.33 EC (1 to 2 oz)	Annual grasses and quackgrass.		

TAME MUSTARD

Treflan / generic trifluralin ³	1.5 pt / 7 lb 10G (0.5 to 1 lb)	Grass and some broadleaf weeds.	PPI. Spring or Fall.	Adjust rate according to soil type. A1-2 B1 B7 E11 S3 Y1 Y13
Assure II/Targa ¹ (quizalofop)	7 to 12 fl oz EC (0.77 to 1.32 oz)	Annual grasses and quackgrass.	POST. Crop: Prior to bolting. PHI - Refer to Canola Grass weeds: Refer to soybean section - page 27.	Add oil adjuvant at 1 gal/100 gal water but not less than 1.25 pt/A. Refer to Remarks in the POST grass herbicide section under Soybean for methods to avoid antagonism and reduced grass control from broadleaf herbicides. Avoid drift to small grain and desirable grass species. Clethodim may injure tame mustard when applied during bloom. A3 A5-6 E2 L1
Select Max 1EC Select 2EC Shadow 3EC (clethodim ¹)	9 to 12 fl oz EC 4 to 6 fl oz EC 2.66 to 5.33 EC (1 to 2 oz)			

Preharvest Herbicides for Canola, Rapeseed, and Tame Mustard

Glyphosate ⁹	Up to 1.125 ae See Remarks.	Emerged annual and perennial grass and broadleaf weeds.	Physiologically mature crop. Seed = 30% or less moisture. PHI = 7 days.	Do not apply to canola, rapeseed, or tame mustard grown for seed because reduced germination/vigor may occur. Add AMS at 8.5 lbs/100 gal. A3-7 B8
Reglone + NIS (diquat ²²)	1.5 to 2 pt 2SL + 1 qt/100 gal water (0.37 to 0.5 lb)	Desiccant.	Prior to harvest. >60% of canola seed turns green to brown stage. PHI: Reglone = 7 days. Sharpen = 3 days.	Contact herbicides require >15 gpa and full sunlight. Apply at >10 gpa for ground and >5 gpa for aerial application. Apply Sharpen with AMS at 8.5 to 17 lb/100 gal water or UAN at 2.5 gal/100 gal and with glyphosate for weed desiccation. Glyphosate improves weed control from Sharpen and Valor but antagonism may occur on biennial and perennial weeds. Do not graze or feed treated plants. Do not apply Sharpen to canola and mustard crops grown for seed because reduced germination/vigor may occur. B11-12
For Canola Only Sharpen + MSO adjuvant (saflufenacil ¹⁴)	2 fl oz SC + 1 to 1.5 pt/A (0.71 oz)			

HERBICIDE-RESISTANT CANOLA

Refer to page 42 for additional herbicides to use in conventional or herbicide-resistant canola.

Clearfield Canola

Herbicide	Product/A (ai/A)	Weeds	When to Apply	Remarks and Paragraphs
Beyond (imazamox ²)	4 fl oz SL (0.5 oz ae)	Annual grass and broadleaf weeds. Will not control ALS-resistant weeds.	POST. Canola: Prior to bloom. Weeds: Small.	Apply only to Clearfield canola varieties. Add oil adjuvant at 1 to 2 pt/A + UAN at 1 to 2 qt/A. Refer to label for weeds controlled, tank-mixtures, and application information. Allow a 60 day PHI. A5-8 E9 Y2 Y15

SU Canola

Herbicide	Product/A (ai/A)	Weeds	When to Apply	Remarks and Paragraphs
Draft (thifensulfuron & tribenuron ²)	0.3 oz DF (0.1 + 0.075 oz)	Small annual broadleaf weeds. Will not control ALS-resistant weeds.	POST. Canola: 2 to 5-leaf. Prior to bolt. Weeds: Small.	Apply only to Cibus SU trait canola varieties. Add NIS at 0.25 to 0.5% v/v. Refer to label for weeds controlled, tank-mixtures and application information. Allow a 45 day PHI. A5-8 E9 Y2 Y15

LibertyLink Canola

Herbicide	Product/A (ai/A)	Weeds	When to Apply	Remarks and Paragraphs																				
Liberty 280 (glufosinate ¹⁰)	22 to 29 fl oz SL (0.4 to 0.53 lb) Maximum in-crop total = 58 fl oz Maximum season total = 87 fl oz	Annual broadleaf weeds and control or suppression of grasses.	POST. Canola: Cotyledon up to early bolting stage. Broadleaf weeds: Up to 3 inches tall. Grass weeds: See Remarks. PHI: 65 days.	Apply only to LibertyLink canola varieties. Apply with a registered POST grass herbicide. Refer to label for tank-mix information. Add AMS fertilizer at 3 lb/A - do not use non-AMS adjuvants. Growth stage of grass weeds at application: <table border="1"> <thead> <tr> <th>Grass weed</th> <th># leaves</th> <th>Inches tall</th> <th># tillers</th> </tr> </thead> <tbody> <tr> <td>G/Y foxtail</td> <td><6/4</td> <td><4/2</td> <td><2/before tillering</td> </tr> <tr> <td>Wild oat*/Corn</td> <td><4</td> <td><4</td> <td>1 or less/ -</td> </tr> <tr> <td>Bygr/Millet</td> <td><6</td> <td><3</td> <td>1 or less</td> </tr> <tr> <td>Vol. cereals*</td> <td><3</td> <td><3</td> <td>1 or less</td> </tr> </tbody> </table> * = A second application may be required. Non-residual, contact herbicide requiring thorough coverage. Most active in hot, sunny conditions. A3 A5-7 B9 D7	Grass weed	# leaves	Inches tall	# tillers	G/Y foxtail	<6/4	<4/2	<2/before tillering	Wild oat*/Corn	<4	<4	1 or less/ -	Bygr/Millet	<6	<3	1 or less	Vol. cereals*	<3	<3	1 or less
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Vol. cereals*	<3	<3	1 or less																					

Roundup Ready Canola

Herbicide	Product/A (ai/A)	Weeds	When to Apply	Remarks and Paragraphs															
Glyphosate ⁹	Maximum single application = 0.56 lb ae Maximum in-crop = 0.75 lb ae See Remarks.	Annual and perennial grass and broadleaf weeds.	Canola: Emergence to bolting - (5- to 6-leaf). Do not apply after the 6-leaf stage or once bolting begins because canola injury may occur. Apply once or twice as needed. PHI: 8 weeks.	Apply only to Roundup Ready canola varieties. <table border="1"> <thead> <tr> <th></th> <th>Maximum - single appl. 0.56 lb ae</th> <th>Maximum - season 0.75 lb ae</th> </tr> </thead> <tbody> <tr> <td>lb ae/gal</td> <td>lb ai/gal</td> <td>fl oz</td> </tr> <tr> <td>3 = 4</td> <td>= 23.8</td> <td>32</td> </tr> <tr> <td>4/4.17 = 5.4/5.1</td> <td>= 18/17.2</td> <td>24/23</td> </tr> <tr> <td>4.5 = 5.5</td> <td>= 16</td> <td>21.3</td> </tr> </tbody> </table> Add AMS at 8.5 lb/100 gal. Sprayer overlap may result in yellowing, delayed flowering, and growth reduction. Allow a minimum interval of 10 days between sequential applications. Refer to page 113 for control of volunteer RR canola. A4-7 B8 D8		Maximum - single appl. 0.56 lb ae	Maximum - season 0.75 lb ae	lb ae/gal	lb ai/gal	fl oz	3 = 4	= 23.8	32	4/4.17 = 5.4/5.1	= 18/17.2	24/23	4.5 = 5.5	= 16	21.3
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Refer to page 113 for control of volunteer Roundup Ready canola, corn and soybean.