

SUNFLOWER

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 39 for additional herbicides to use in conventional or herbicide resistant sunflower.

Soil-Applied Herbicides

Eptam (EPTC ⁸)	2.5 to 3.5 pt EC (2 to 3 lb)	Grass and some small seeded broadleaf weeds.	PPI.	No wild mustard control. PPI immediately after application. A1-2 B1 F2 J1
Prowl Prowl H2O (pendimethalin ³)	2.4 to 3.6 pt 3.3EC 2.1 to 3 pt 3.8ACS (1 to 1.5 lb)		PPI.	Poor wild oat and no wild mustard control. Adjust rate for soil type. Refer to label for tank-mix options. A1-2 B1 B7 E10 J1 Y1 Y15
	3 to 3.6 pt 3.3EC 2.7 to 3 pt 3.8ACS (1.25 to 1.5 lb)		PRE - 30 days before to 1 day after seeding.	Apply PRE for no-till sunflower only.
Treflan / generic trifluralin ³	1 to 2 pt EC 5 to 10 lb 10G (0.5 to 1 lb)		PPI.	PPI within 24 hours after application. Poor wild oat and no wild mustard control. Adjust rate for soil type.
Sonalan (ethalfluralin ³)	1.5 to 3 pt EC 5.5 to 11.5 lb 10G (0.55 to 1.15 lb)		PPI. Spring. Fall: From October 1 to December 31.	Use highest rate allowed for broadleaf weed control. A1-2 B1 B7 E10 J1 Y1 Y13 Y15
	7.5 to 11.5 lb 10G (0.75 to 1.15 lb)	For reduced or conservation tillage: incorporate twice at 2 to 3 inches deep using a V-blade under-cutter or rotary hoe. For fall applications: incorporate once in the fall and once in the spring before seeding. A1-2 B1 B7 E10 J1 Y1 Y13 Y15		
Dual Magnum (S-metolachlor ¹⁵)	1 to 2 pt EC (0.95 to 1.9 lb)	Shallow PPI or PRE.	PPI improves consistency of control. PRE requires moisture for activation. A1-2 B1 J1	
Spartan (sulfentrazone ¹⁴)	3 to 8 fl oz F (1.5 to 4 oz)	Small-seeded broadleaf weeds including kochia, lambsquarters, pigweed species, and b. wormwood.	EPP, shallow PPI, or PRE.	PRE requires precipitation for activation. EPP up to 30 days prior to planting improves likelihood of activation by moisture. Adjust rate for soil type. Temporary sunflower injury may occur in coarse, low organic matter soils with pH greater than 7.8. May give 6 to 8 weeks residual weed control. BroadAxe may provide greater weed control as a premix product than activity from each herbicide. A1-2 B1 B4 E11 J1-2 S1-13 Y14 Y15
Spartan Charge (carfentrazone ¹⁴ & sulfentrazone ¹⁴)	3.75 to 7.75 floz SE (0.16 to 0.34 oz & 1.48 to 3.05 oz)			
BroadAxe XC Spartan Elite (metolachlor ¹⁵ & sulfentrazone ¹⁴)	20 to 32 fl oz EC (0.98 to 1.58 lb + 1.75 to 2.8 oz)			
Spartan (sulfentrazone ¹⁴)	3 to 8 fl oz F (1.5 to 4 oz)			
Spartan Charge (carfentrazone ¹⁴ & sulfentrazone ¹⁴)	3.75 to 7.75 floz SE (0.16 to 0.34 oz & 1.48 to 3.05 oz)			
Zidua (pyroxasulfone ¹⁵)	1.75 to 6.5 fl oz SC (0.9 to 0.21 lb)		EPP, PRE, or POST to V8 sunflower.	Do not apply PPI. Do not apply at cracking or cotyledon stage. Do not tank mix with Beyond on CL sunflower.

POST-Applied Herbicides

Assure II / Targa (quizalofop ¹)	7 to 12 fl oz EC (0.77 to 1.32 oz)	Annual grasses and quackgrass.	POST. Sunflower: Refer to PHI. Grass: Refer to soybean section on 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. Allow a 70 day PHI. A3 A5-6 E2 J1 S4 S14
Poast (sethoxydim ¹)	0.5 to 1.5 pt EC (0.1 to 0.3 lb)	Annual grasses.		
Select Max 1EC Select 2EC Shadow 3EC (clethodim ¹)	9 to 16 fl oz EC 4 to 8 fl oz EC 2.66 to 5.33 EC (1 to 2 oz)	Annual grasses and quackgrass.		

Preharvest Herbicides

Glyphosate ⁹	Up to 0.75 lb ae See Remarks.	Preharvest weed control.	Prior to harvest. Backside of sunflower heads yellow and bracts turning brown at the shoulder. Seed moisture content under 35%. PHI: glyphosate= 7days paraquat = 7 days. Sharpen = 7 days. Valor = 7 days.	Do not apply to sunflower grown for seed because reduced germination / vigor may occur. Use only registered formulations. Add AMS at 8.5 lb/100 gal. A4-8 B8
Paraquat ²² + NIS RUP	1.2 to 2 pt 2SL 0.8 to 1.3 pt 3SL (0.3 to 0.5 lb)	Desiccant.		Contact herbicides require >15 gpa and full sunlight. Use paraquat on confectionery and oilseed sunflower varieties. 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. Do not graze or hay treated plants. Do not apply after multiple minor frosts or a single major frost.
Sharpen + MSO adjuvant, (saflufenacil¹⁴)	1 to 2 fl oz SC + 1 to 1.5 pt/A (0.36 to 0.71 oz)			Do not apply Sharpen to sunflower grown for seed because reduced germination/vigor may occur. B11-12 E12
Valor SX Valor EZ + MSO adjuvant (flumioxazin¹⁴)	2 to 3 oz WDG 2 to 3 fl oz EZ + 2 p/A (1.02 to 1.53 oz)			

HERBICIDE RESISTANT SUNFLOWER

Refer to page 36 for additional herbicides to use in conventional or herbicide resistant sunflower.

Clearfield Sunflower

Herbicide	Product/A (ai/A)	Weeds	When to Apply	Remarks and Paragraphs
Beyond (imazamox ²)	4 fl oz SL (0.5 oz)	Small annual broadleaf weeds including wild mustard and black nightshade. No ALS-resistant weed control.	EPOST. Sunflower: 2 to 8-leaf stage. Broadleaf weeds: Less than 3 inches tall. Grass weeds: Less than 4 to 5 leaves.	Apply only to Clearfield sunflower varieties. Add NIS at 1 qt/100 gal water + UAN at 2.5 gal/100 gal water or AMS at 8.5 lbs/100 gal. Do not add PO or MSO adjuvants or tankmix with Zidua. Refer to label for weeds controlled, adjuvant use, and tank-mix options. A3 A5-8 E9 J3 Y1-2 Y15
	4 to 6 fl oz SL (0.5 to 0.75 oz)			Apply only to Clearfield Plus sunflower varieties. Clearfield Plus sunflower has increased tolerance to imazamox that allows higher herbicide rates and use of more effective MSO adjuvants. Add MSO at 1 to 1.5 pt/A + UAN at 2.5 gal/100 gal water or AMS at 12 to 15 lbs/100 gal.

Express Sun Sunflower

Herbicide	Product/A (ai/A)	Weeds	When to Apply	Remarks and Paragraphs
Express SG (tribenuron ²)	0.25 to 0.5 oz SG (0.125 to 0.25 oz)	Small annual broadleaf weeds including wild mustard. Suppression of Canada thistle. No grass or ALS-resistant weed control.	EPOST. Sunflower: 1-leaf stage but prior to bud formation. Broadleaf weeds: Less than 3 inches tall.	Apply only to Express Sun sunflower varieties. Apply with MSO adjuvant at 1 to 1.5 pt/A and with a registered POST grass herbicide. Observe a 14 day interval between sequential applications but do not exceed a total rate of 1 oz/A. Allow a 70 day PHI. A3 A5-8 J1 J4 T3 Y1-2

SAFFLOWER

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.

Soil-Applied Herbicides

Eptam (EPTC ⁸)	3.5 pt EC 15 lb 20G (3 lb)	Grass and some broadleaf weeds.	PPI.	Refer to narrative A1 for application information. Poor wild mustard control. A1-2 B1 F2 S4
Prowl H20 (pendimethalin ³)	2.5 to 3.5 pt 3.8AS (1.19 to 1.66 lb)		PPI. Fall.	Poor wild oat and no wild mustard control. Adjust rate for soil type.
	2 to 3 pt 3.8ACS (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 E10 J1 S4 Y1 Y13 Y15
Treflan / generic trifluralin ³	1 to 2 pt EC 5 to 10 lb 10G (0.5 to 1 lb)		PPI. Fall or spring.	
Sonalan (ethalfluralin ³)	1.5 to 3 pt EC 5.5 to 11.5 lb 10G (0.55 to 1.15 lb)		PPI. Fall or Spring.	
Dual Magnum (S-metolachlor ¹⁵)	1 to 2 pt EC (0.95 to 1.9 lb)	Small-seeded broadleaf weeds.	Shallow PPI or PRE.	Shallow PPI gives more consistent weed control. PRE requires precipitation for activation. A1-2 B1 S3
Spartan Charge (carfentrazone ¹⁴ & sulfentrazone ¹⁴)	2.5 to 5 fl oz SE (0.1 to 0.2 oz & 1 to 2 oz)		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 E12 F1 S7-13 Y14-15	

POST-Applied Herbicides

Harmony SG (thifensulfuron ²)	0.45 to 0.6 oz SG (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 E5 S1 S8 Y1 Y3
Poast (sethoxydim ¹)	0.5 to 1.5 pt EC (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. 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 E2
Select Max 1EC Select 2EC Shadow 3EC (clethodim ¹)	9 to 16 fl oz EC 4 to 8 fl oz EC 2.66 to 5.33 EC (1 to 2 oz)	Annual grasses and quackgrass.	Grass weeds: Refer to soybean section - page 27.	

Preharvest Herbicide

Glyphosate ⁹	Up to 2.25 lb ae See Remarks.	Preharvest weed control.	White seed coat and >20 days after end of secondary branch flowering. PHI: 7 days	Do not apply to safflower grown for seed because reduced germination / vigor may occur. Use only registered formulations. Add AMS at 8.5 lb/100 gal. A3-7 B8
Drexel Defol (sodium chlorate)	1 gal 6 SL (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. Do not apply Sharpen to safflower grown for seed because reduced germination/vigor may occur. B11 E12
Sharpen + MSO adjuvant (saflufenacil ¹⁴)	1 to 2 fl oz SC + 1 to 1.5 p/A (0.36 to 0.72 oz)			
Valor SX Valor EZ + MSO adjuvant (flumioxazin ¹⁴)	2 to 3 oz WDG 2 to 3 fl oz SC + 2 pt/A (1.02 to 1.53 oz)			

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.

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. Fall.	Adjust rate for soil texture. Deep incorporate within 24 hours after application. A1-2 B1 B7 E10 K1-2 S4 Y13 Y15
Callisto (mesotrione ²⁷)	3 to 6 fl oz SC (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 D4 K1
Spartan (sulfentrazone ¹⁴)	3 to 8 fl oz F (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 E11 K1 S1 S7-9 S12 Y1 Y15
Spartan Charge (carfentrazone ¹⁴ & sulfentrazone ¹⁴)	3.75 to 7.75 fl oz SC (0.16 to 0.34 oz & 1.48 to 3.05 oz)			

POST-Applied Herbicides

Bromoxynil ⁶	1 pt (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 ⁴	0.5 pt 4EC/SL (0.25 lb ae)			Use MCPA ester on hard-to-kill weeds. Early application is less injurious to flax. K1
Bromoxynil ⁶ & MCPA ⁴	0.9 pt 4EC 11.4 fl oz 5EC (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 ⁴ &MCPA ²	1.33 to 1.75 pt SL (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 C5 T3
Assure II / Targa (quizalofop ¹)	7 to 12 fl oz EC (0.77 to 1.32 oz)	Annual grasses and quackgrass.	POST. Flax: PHI: Assure = 60 days. Targa = 70 days. Poast = 75 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. 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 E2
Poast (sethoxydim ¹)	0.5 to 1.5 pt EC (0.1 to 0.3 lb)	Annual grasses.	Clethodim = 60 days and prior to bloom.	
Select Max 1EC Select 2EC Shadow 3EC (clethodim ¹)	9 to 16 fl oz EC 4 to 8 fl oz EC 2.66 to 5.33 EC (1 to 2 oz)	Annual grasses and quackgrass.	Grass: Refer to soybean section on page 27.	

Preharvest Herbicides

Glyphosate ⁹	Up to 1.125 ae See Remarks.	Emerged annual and perennial grass and broadleaf weeds.	Prior to harvest. Flax seed = 30% or less moisture. PHI = 7 days.	Do not apply to flax grown for seed because reduced germination / vigor may occur. Use registered formulations. Add AMS at 8.5 lbs/100 gal. A3-7 B8
Drexel Defol (sodium chlorate)	1 gal 6 SL (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 or paraquat for weed desiccation. Glyphosate improves weed control from Sharpen and Valor but antagonism may occur on biennial and perennial weeds. Do not apply Sharpen to flax grown for seed because reduced germination/vigor may occur. B12 E12
Sharpen + MSO (saflufenacil ¹⁴)	1 to 2 fl oz SC + 1 to 1.5 pt (0.36 to 0.72 oz)			
Valor SX Valor EZ + MSO (flumioxazin ¹⁴)	2 to 3 oz WDG 2 to 3 fl oz SC + 2 pt (1.02 to 1.53 oz)			

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 S4 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 S8 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 16 fl oz EC 4 to 8 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 S4 Y1 Y13
Assure II/Targa¹ (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. A3 A5-6 E2 L1
Select Max 1EC Select 2EC Shadow 3EC (clethodim ¹)	9 to 16 fl oz EC 4 to 8 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)	1 to 2 fl oz SC + 1 to 1.5 pt/A (0.36 to 0.72 oz)			

HERBICIDE-RESISTANT CANOLA

Refer to page 42 for additional herbicides to use in conventional or herbicides 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
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																					

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 RUR 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
	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																	

Refer to page 113 for control of volunteer Roundup Ready canola, corn and soybean.