

(Container)



GF-2685

Herbicide

GROUP	4	HERBICIDE
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FOR SALE FOR USE IN THE PRAIRIE PROVINCES AND THE INTERIOR OF BRITISH COLUMBIA AND IN EASTERN CANADA

GF-2685 is a selective herbicide for postemergent control of annual broadleaved weeds including chickweed, cleavers, hemp-nettle, lamb's-quarters and wild buckwheat in spring wheat (including durum), winter wheat and spring barley.

AGRICULTURAL

READ THE LABEL AND BOOKLET BEFORE USING
KEEP OUT OF REACH OF CHILDREN

ACTIVE INGREDIENT: halauxifen, present as methyl ester 10%
Wettable granule herbicide

CAUTION SKIN IRRITANT
POTENTIAL SKIN SENSITIZER

REGISTRATION NUMBER 31305 PEST CONTROL PRODUCTS ACT

NET CONTENTS: 1 kg - bulk

Corteva Agriscience Canada Company
Suite 240, 115 Quarry Park Rd. SE
Calgary, AB
T2C 5G9
1-800-667-3852

™ Trademark of Corteva Agriscience and its affiliated companies.

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN

May irritate the skin. Avoid contact with skin. Potential skin sensitizer.

DO NOT enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

Apply only when the potential for drift to areas of human habitation or areas of human activity such as houses, cottages, schools and recreational areas is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment and sprayer settings.

At all times: Wear clean clothing with full length sleeves and pants, socks and shoes.

During mixing and loading, and clean-up and repair: Wear chemical-resistant gloves. Rinse gloves before removal.

At completion of spraying or end of the day: Take a shower immediately. Wash thoroughly with soap and water before eating, drinking or smoking. Remove contaminated clothing at the end of the work session and store and wash separately from household laundry using detergents and hot water before reuse.

FIRST AID

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

If swallowed: Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.

If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

TOXICOLOGICAL INFORMATION

No specific antidote. Employ supportive care. Treatment should be based on the judgment of the physician in response to reactions of the patient.

AGRICULTURAL CHEMICAL

Do not ship or store with food, feeds, drugs or clothing.

ENVIRONMENTAL HAZARDS

TOXIC to aquatic organisms and non-target terrestrial plants. Observe buffer zones specified under DIRECTIONS FOR USE.

To reduce runoff from treated areas into aquatic habitats avoid application to areas with a moderate to steep slope, compacted soil, or clay. Avoid application when heavy rain is forecast. Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative strip between the treated area and the edge of the water body.

STORAGE

Store in original containers in a secure, dry, well ventilated storage. Do not allow contamination of seeds, plants, fertilizers or other pesticides. Do not contaminate food, feedstuffs or domestic water supplies. If containers are damaged or spill occurs, use the product immediately or contain the spill with absorbent materials and dispose of waste.

To prevent contamination store this product away from food or feed.

DISPOSAL

Recyclable Containers:

Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

Returnable Containers:

Do not reuse this container for any purpose. For disposal, this empty container may be returned to the point of purchase (distributor/dealer).

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

NOTICE TO USER: This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label.

(Booklet)



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PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN

May irritate the skin. Avoid contact with skin. Potential skin sensitizer.

DO NOT enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

Apply only when the potential for drift to areas of human habitation or areas of human activity such as houses, cottages, schools and recreational areas is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment and sprayer settings.

At all times: Wear clean clothing with full length sleeves and pants, socks and shoes.

During mixing and loading, and clean-up and repair: Wear chemical-resistant gloves. Rinse gloves before removal.

At completion of spraying or end of the day: Take a shower immediately. Wash thoroughly with soap and water before eating, drinking or smoking. Remove contaminated clothing at the end of the work session and store and wash separately from household laundry using detergents and hot water before reuse.

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TOXICOLOGICAL INFORMATION

No specific antidote. Employ supportive care. Treatment should be based on the judgment of the physician in response to reactions of the patient.

AGRICULTURAL CHEMICAL

Do not ship or store with food, feeds, drugs or clothing.

ENVIRONMENTAL HAZARDS

TOXIC to aquatic organisms and non-target terrestrial plants. Observe buffer zones specified under DIRECTIONS FOR USE.

To reduce runoff from treated areas into aquatic habitats avoid application to areas with a moderate to steep slope, compacted soil, or clay. Avoid application when heavy rain is forecast. Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative strip between the treated area and the edge of the water body.

STORAGE

Store in original containers in a secure, dry, well ventilated storage. Do not allow contamination of seeds, plants, fertilizers or other pesticides. Do not contaminate food, feedstuffs or domestic water supplies. If containers are damaged or spill occurs, use the product immediately or contain the spill with absorbent materials and dispose of waste.

To prevent contamination store this product away from food or feed.

DISPOSAL

Recyclable Containers:

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1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
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Returnable Containers:

Do not reuse this container for any purpose. For disposal, this empty container may be returned to the point of purchase (distributor/dealer).

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

GENERAL INFORMATION

GF-2685 is a selective postemergence herbicide for the control of hard-to-kill annual broadleaved weeds such as chickweed, cleavers, hemp-nettle, lamb's-quarters and wild buckwheat in spring wheat (including durum), winter wheat, and spring barley, not underseeded with legumes. GF-2685 is mixed with water and applied as a uniform broadcast spray either by ground or aerial application. It is non-corrosive, nonflammable, and nonvolatile.

GF-2685 must be applied early postemergence, to the main flush of actively growing broadleaved weeds. Warm, moist growing conditions promote active weed growth and enhance the activity of GF-2685 by allowing maximum foliar uptake and activity. Weeds hardened off by cold weather or drought stress may not be adequately controlled or suppressed and re-growth may occur. For best results, ensure thorough spray coverage of target weeds. See DIRECTIONS FOR USE section of this label for complete use details.

MODE OF ACTION

GF-2685 is a systemic auxin-type herbicide that moves within the plant for control of exposed and underground plant tissues. The product controls weeds by disrupting normal plant growth patterns. Symptoms of weeds include epinasty (twisting of the stems) and swollen nodes.

GENERAL USE PRECAUTIONS

Sensitive Plants

Do not apply GF-2685 directly to, or otherwise permit it to come in direct contact with susceptible crops or desirable plants including alfalfa, edible beans, flax, flowers and ornamentals, lentils, lettuce, peas, potatoes, radishes, soybeans, sugar beets, sunflowers, tomatoes or tobacco.

Non-Target Sites

Do not apply where proximity of susceptible crops (e.g. flax and legumes) or other desirable plants is likely to result in exposure to spray or spray drift. See ENVIRONMENTAL HAZARDS section of this label.

Crop Rotation

Fields previously treated with GF-2685 up to 100 g/ha can be seeded after a minimum of 3 months to fall rye and winter wheat.

Fields previously treated with GF-2685 up to 100 g/ha can be seeded after a minimum of 10 months to spring wheat, spring barley, oats, field corn, canola, flax, Juncea canola, Abyssinian, oriental, brown and yellow mustard, field peas, soybeans, sunflower, canaryseed, timothy or fields can be summerfallowed. Lentils can be planted 22 months after application of GF-2685.

Fields previously treated with GF-2685 up to 50 g/ha can be seeded after a minimum of 10 months to the above rotational crops, plus alfalfa, dry bean (*Phaseolus vulgaris* species including pinto, kidney and white types), fababean or potatoes (except seed potatoes).

Tank Mixtures

In some cases, tank mixing a pest control product with another pest control product or a fertilizer can result in biological effects that could include, but are not limited to: reduced pest efficacy or increased host crop injury. The user should contact Corteva Agriscience Canada Company at 1-800-667-3852 or www.corteva.ca for information before mixing any pesticide or fertilizer that is not specifically recommended on this label.

Spray Equipment Precaution

Do not apply through any type of irrigation system.

To Reduce Spray Drift:

1. Use nozzles delivering higher volumes and coarser droplets.
2. Use low pressures (200 to 275 kPa).
3. Use 100 L/ha of spray solution.
4. Spray when the wind velocity is 15 km/hr or less.
5. Spot treatments should only be applied with a calibrated boom to prevent over-application.

Sprayer clean-out

To avoid injury to desirable plants, thoroughly clean equipment used to apply this product before re-use or using it to apply other chemicals.

1. Immediately after spraying, completely drain the sprayer tank. Any contamination on the outside of the spraying equipment should be removed by washing with clean water.
2. First rinse:
 - Spray the inside of tank with clean water and fill the sprayer with at least one tenth of the spray tank volume.
 - Agitate and circulate for 15 minutes, and flush through booms and hoses.
 - Remove end caps or open ball valves on the ends of each boom section, and flush solution through the boom ends to ensure there is no spray solution trapped between the boom end and the nozzles.
 - Drain tank completely.
3. Second rinse:
 - Fill the tank with clean water.
 - Add All Clear Spray Tank Decontaminator as per manufacturer's recommendations while filling the tank with clean water.
 - Agitate and then flush the boom and hoses with the cleaning solution. Top up with water making sure the tank is completely full. Allow to stand for 15 minutes with agitation. Flush the solution out of the spray tank through the spray booms. Remove end caps or open ball valves on the ends of each boom section, and flush solution through the boom ends to ensure there is no spray solution trapped between the boom end and the nozzles.
 - If possible, let the solution stand in the sprayer tank and booms for an extended period of time, overnight if possible.
 - After flushing the boom and hoses, drain tank completely.
 - Remove nozzles and all main filter and nozzle screens and clean separately with a cleaning agent or an ammonia solution (100 mL in 10 L water).

4. Third rinse:

- Rinse the tank with clean water and flush through the boom and hoses using at least one tenth of the spray tank volume.
- Remove end caps or open ball valves on the ends of each boom section, and flush solution through the boom ends to ensure there is no spray solution trapped between the boom end and the nozzles.
- Drain tank completely.

Do not use ammonia with chlorine bleach. Using ammonia with chlorine bleach will release a gas with a musty chlorine odour which may cause eye, nose, throat, and lung irritation. Do not clean equipment in an enclosed area.

DIRECTIONS FOR USE

READ THE ENTIRE LABEL BEFORE USE. FAILURE TO FOLLOW LABEL INSTRUCTIONS MAY RESULT IN ERRATIC WEED CONTROL OR CROP DAMAGE. DO NOT APPLY TO CROPS UNDERSEEDED WITH LEGUMES.

As this product is not registered for the control of pests in aquatic systems, DO NOT use to control aquatic pests. DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

APPLICATION METHODS

(1) Ground Application

Using ground equipment, apply GF-2685 as a broadcast treatment at the recommended rate as specifically listed in the DIRECTIONS FOR USE section of this label.

Field sprayer application

DO NOT apply during periods of dead calm. Avoid application of this product when winds are gusty. **DO NOT** apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE S572.1) coarse classification. Boom height must be 60 cm or less above the crop or ground.

(2) Aerial Application

Directions for Use

Apply only by fixed-wing or rotary aircraft equipment which has been functionally and operationally calibrated for the atmospheric conditions of the area and the application rates and conditions of this label.

Label rates, conditions and precautions are product specific. Read and understand the entire label before opening this product. Apply only at the rate recommended for aerial application on this label. **Where no rate for aerial application appears for the specific use, this product cannot be applied by any type of aerial equipment.**

Ensure uniform application. To avoid streaked, uneven or overlapped application, use appropriate marking devices or a GPS system.

Aerial application

DO NOT apply during periods of dead calm. Avoid application of this product when winds are gusty. **DO NOT** apply when wind speed is greater than 16 km/h at flying height at the site of application. **DO NOT** apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE S572.1) coarse classification. To reduce drift caused by turbulent wingtip vortices, the nozzle distribution along the spray boom length **MUST NOT** exceed 65% of the wing- or rotorspan.

Use Precautions

Apply only when meteorological conditions at the treatment site allow for complete and even crop coverage. Apply only under conditions of good agricultural practice specific to aerial application as outlined in the *National Aerial Pesticide Application Manual*, developed by the Federal/Provincial/Territorial Committee on Pest Management and Pesticides.

Operator Precautions

Do not allow the pilot to mix chemicals to be loaded onto the aircraft. Loading of premixed chemicals with a closed system is permitted.

It is desirable that the pilot have communication capabilities at each treatment site at the time of application.

The field crew and the mixer/loaders must wear chemical resistant gloves, coveralls and goggles or face shield during mixing/loading, cleanup and repair. Follow the more stringent label precautions in cases where the operator precautions exceed the generic label recommendations on the existing ground boom label.

All personnel on the job site must wash hands and face thoroughly before eating and drinking. Protective clothing, aircraft cockpit and vehicle cabs must be decontaminated regularly.

Product Specific Precautions

Read and understand the entire label before opening this product. If you have questions, call the manufacturer at 1-800-667-3852 or obtain technical advice from the distributor or your provincial agricultural representative. Application of this specific product must meet and/or conform to the following:

Avoid spray drift at the application site. The interaction of many equipment-and-weather-related factors determine the potential for spray drift. Users are responsible for considering all these factors when making decisions. Nozzles must always point backward parallel with the air stream and never be pointed downwards more than 45 degrees.

GF-2685 HERBICIDE ALONE

Crops Registered

Spring wheat (including durum), winter wheat and spring barley

Field Sprayer Application Directions

Apply the recommended rate of GF-2685 per hectare in 50-200 L per hectare of water. Add Turbocharge (or a registered equivalent adjuvant) at 0.5% v/v. See weeds species controlled under "Weeds Controlled or Suppressed by GF-2685 Alone." Apply to actively growing spring wheat and spring barley from the 1 leaf stage to just prior to flag leaf emergence. In winter wheat apply from 3 leaf stage to just prior to flag leaf emergence. Apply when weeds are actively growing. Only weeds emerged at the time of treatment will be controlled. Best results are obtained from applications made to seedling weeds.

Aerial Sprayer Application Directions

Apply the recommended rate of GF-2685 per hectare in a minimum of 30 L per hectare of water. Add Turbocharge (or a registered equivalent adjuvant) at 0.5% v/v. See weeds species controlled under "Weeds Controlled or Suppressed by GF-2685 Alone." Apply to actively growing spring wheat and spring barley from the 1 leaf stage to just prior to flag leaf emergence. In winter wheat apply from 3 leaf stage to just prior to flag leaf emergence. Apply when weeds are actively growing. Only weeds emerged at the time of treatment will be controlled. Best results are obtained from applications made to seedling weeds.

Application Timing

Apply to actively growing weeds at the 1-8 leaf stage unless otherwise specified. Extreme growing conditions such as drought or near freezing temperature prior to, at or following time of application may reduce weed control and increase the risk of crop injury at all stages of growth. Only weeds which are emerged at the time of application will be affected. If foliage is wet at the time of application control may be decreased. Under conditions of low crop and high weed density, control may be reduced.

Applications of GF-2685 are rainfast within 1 hour of application.

Weeds Controlled or Suppressed by GF-2685 Alone at 25 g/ha (1-8 leaf stage, unless otherwise specified, including Group 2 resistant biotypes.)

Weeds Controlled:

cleavers (1-9 whorl stage)	lamb's-quarters
flax, volunteer (up to 15 cm in height)	

Weeds Suppressed:

hemp-nettle	pigweed, redroot
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Weeds Controlled or Suppressed by GF-2685 Alone at 50 g/ha (1-8 leaf stage, unless otherwise specified, including Group 2 resistant biotypes.)

Weeds Controlled (all weeds listed above, plus):

alfalfa, volunteer (up to 25 cm in height)	flixweed (up to 8 leaf & 8 cm in height)
American dragonhead (up to bud stage and 15 cm in height)	hemp-nettle
barnyard grass (up to the 5-leaf, 2-tiller stage)	henbit (up to bud stage and 15 cm in height)
chickweed	pigweed, redroot
cow cockle (up to the 8-leaf stage and 15 cm in height)	ragweed, common (up to 6-leaf stage)**
fleabane, Canada (up to 15 cm in height)**	round-leaved mallow (up to 6-leaf stage)
	shepherd's-purse (up to bolting & 20 cm in height)
	stork's-bill (up to the 8-leaf stage)
	velvetleaf (up to the 5-leaf stage)

Weeds Suppressed:

buckwheat, wild	sow-thistle, annual (up to 5 leaf stage)
kochia*	

*light to moderate infestations (up to 150 plants/m²; up to 15 cm in height).

**including Group 2 and 9 resistant biotypes

Weeds Controlled or Suppressed by GF-2685 Alone at 100 g/ha (1-8 leaf stage, unless otherwise specified, including Group 2 resistant biotypes.)

Weeds Controlled (all weeds listed above, plus):

buckwheat, wild (1-6 leaf stage)

Mixing Instructions for GF-2685 Alone

1. Fill sprayer tank 1/2 full of water.
2. Start sprayer tank agitation.
3. Add the required amount of GF-2685
4. Fill the sprayer tank with sufficient water to spray 30-200 L of spray mixture per hectare.
5. Add Turbocharge as the last ingredient at the rate of 0.5% v/v (5 L per 1000 L of spray volume).
6. Follow sprayer directions and precautions as outlined above, especially when applying next to sensitive crops (e.g. flax and legumes).
7. Follow sprayer clean-up directions.

Preharvest/Grazing Intervals

- Livestock may be grazed on treated crops 1 day following application.
- Do not harvest the treated crop within 60 days after application.
- Do not cut the treated crop for hay or silage within 21 days after application.

TANK MIXING GF-2685 + OTHER TANK-MIX PARTNERS

MIXING INSTRUCTIONS FOR TANK MIXING GF-2685 + OTHER TANK-MIX PARTNERS

1. Begin to fill sprayer tank with clean water, and engage agitator. **Agitation must be continued throughout the entire mixing and spraying procedure.**
2. When the sprayer is three quarters full of water, add GF-2685 and agitate for 2-3 minutes.
3. If including Refine SG add it next. Agitate for 2-3 minutes.
4. If including an annual grass control tank-mix partner add it next. Agitate for 2-3 minutes.
5. If including MCPA ester add it next. Agitate for 2-3 minutes.
6. Add the Adjuvant indicated in the below tables for the annual grass control product.
7. Agitate for 1-2 minutes before adding remainder of water and then maintain constant agitation.
8. After any break in spraying operations, agitate thoroughly before spraying again.
9. **Use the spray suspension as soon as it is prepared.**

TANK-MIX COMBINATIONS – GF-2685 HERBICIDE + REFINE SG*

Crops Registered

Spring wheat (including durum), winter wheat, spring barley

Field Sprayer Application Directions

For control of a wide spectrum of broadleaf weeds apply GF-2685 tank mixed with Refine SG Herbicide* at 30 g/ha in 55 L per hectare of water. Add Agral 90 at 0.25% v/v. Apply to actively growing spring wheat or spring barley from the 2 leaf stage to just prior to flag leaf emergence. In winter wheat apply from 3 leaf stage to just prior to flag leaf emergence. Apply when weeds are actively growing. Only weeds emerged at the time of treatment will be controlled. Best results are obtained from applications made to seedling weeds. When applied as a tank-mix combination, read and observe all label directions, including rates, restrictions, and grazing limitations for each product used in the tank-mix. Follow the more stringent label precautionary measures for mixing, loading and applying stated on all product labels.

Aerial Sprayer Application Directions

Apply the recommended rate of GF-2685 per hectare tank-mixed with Refine SG Herbicide* at 30 g/ha in a minimum of 30 L per hectare of water. Add Agral 90 at 0.25% v/v. Refer to field sprayer application directions for application timing.

*Refine SG may be substituted with any equivalent product delivering 10 g ai/ha thifensulfuron-methyl + 5 g ai/ha tribenuron-methyl at the label use rate.

Weeds Controlled or Suppressed by GF-2685 Herbicide at 25 g/ha + Refine SG at 30 g/ha (up to 10 cm in height or diameter, unless otherwise specified)

Weeds Controlled:

buckwheat, wild (1-5 leaf stage)	lamb's-quarters (1-8 leaf stage)*
canola, volunteer**	mustard, ball
chickweed*	mustard, wild
cleavers (1-9 whorl stage)*	narrow-leaved hawk's-beard
corn spurry	pigweed, redroot*
cow cockle	Russian thistle
flax, volunteer (up to 15 cm in height)	shepherd's-purse
flixweed	smartweed, annual (green smartweed, lady's thumb)
groundsel, common	stinkweed
hemp-nettle	sunflower, volunteer

Weeds Suppressed:

Canada thistle (up to 15 cm in height)	stork's-bill (2-6 leaf stage)
Round-leaved mallow (1-6 leaf stage, 10-12 cm in height)	sowthistle (up to 15 cm in height)
scentless chamomile	yellow toadflax (up to 15 cm in height)

*Including Group 2 resistant biotypes

**Not including Group 2 resistant biotypes

Weeds Controlled or Suppressed by GF-2685 Herbicide at 50 g/ha + Refine SG at 30 g/ha (up to 10 cm in height or diameter, unless otherwise specified)

Weeds Controlled:

alfalfa, volunteer (up to 25 cm in height)	mustard, ball
barnyard grass (up to the 5-leaf, 2-tiller stage)	mustard, wild
buckwheat, wild (1-5 leaf stage)	narrow-leaved hawk's-beard
canola, volunteer**	pigweed, redroot (1-8 leaf stage)*
chickweed (1-8 leaf stage)*	ragweed, common (up to 6-leaf stage)****
cleavers (1-9 whorl stage)*	round-leaved mallow (up to the 6-leaf stage)
corn spurry	Russian thistle
cow cockle	shepherd's-purse
flax, volunteer (up to 15 cm in height)	smartweed, annual (green smartweed, lady's thumb)
fleabane, Canada (up to 15 cm in height)****	stinkweed
flixweed	stork's-bill (up to the 8-leaf stage)
groundsel, common	sunflower, volunteer
hemp-nettle (1-8 leaf stage)*	velvetleaf (up to the 5-leaf stage)
lamb's-quarters (1-8 leaf stage)*	

Weeds Suppressed:

Canada thistle (up to 15 cm in height)	sowthistle (up to 15 cm in height)
kochia***	yellow toadflax (up to 15 cm in height)
scentless chamomile	

*Including Group-2 resistant biotypes

**Not including Group 2 resistant biotypes

***light to moderate infestations (up to 150 plants/m²; up to 15 cm in height).

****Including Group 2 and 9 resistant biotypes

Mixing Instructions

See mixing Instructions for GF-2685 + REFINE SG in section entitled MIXING INSTRUCTIONS FOR TANK MIXING GF-2685 + OTHER TANK-MIX PARTNERS.

Note: When tank mixing GF-2685 + Refine SG, Agral 90 (or equivalent NIS) must be added at a rate of 0.25% v/v (2.5 litres/1000 litres spray solution).

TANK-MIX COMBINATIONS – GF-2685 HERBICIDE + REFINE SG* + MCPA ESTER HERBICIDE

Crops Registered

Spring wheat (including durum), winter wheat, spring barley

Field Sprayer Application Directions

For control of a wide spectrum of broadleaf weeds apply GF-2685 tank mixed with Refine SG Herbicide at 30 g/ha and MCPA ester (600 g ae/L) at 470 mL/ha in 55 L per hectare of water. Apply to actively growing wheat or spring barley from the 3 leaf stage to just prior to flag leaf emergence. In winter wheat apply from 3 leaf stage to just prior to flag leaf emergence. Apply when weeds are actively growing. Only weeds emerged at the time of treatment when be controlled. Best results are obtained from applications made to seedling weeds. When applied as a tank-mix combination, read and observe all label directions, including

rates, restrictions, and grazing limitations for each product used in the tank-mix. Follow the more stringent label precautionary measures for mixing, loading and applying stated on all product labels.

Aerial Sprayer Application Directions

Apply the recommended rate of GF-2685 per hectare tank mixed with Refine SG Herbicide at 30 g/ha and MCPA ester (600 g ae/L) at 470 mL/ha in a minimum of 30 L per hectare of water for use on spring wheat (including durum) and spring barley only.

*Refine SG may be substituted with any equivalent product delivering 10 g ai/ha thifensulfuron-methyl + 5 g ai/ha tribenuron-methyl at the label use rate.

Weeds Controlled or Suppressed by GF-2685 Herbicide at 25 g/ha + Refine SG at 30 g/ha + MCPA ester (600 g ae/L) at 470 mL/ha (up to 10 cm in height or diameter, unless otherwise specified)

Weeds Controlled:

buckwheat, wild (1-5 leaf stage)	hemp-nettle
canola, volunteer*	lamb's-quarters (1-8 leaf stage)*
chickweed (1-6 leaf stage)	mustard, ball
cleavers (1-9 whorl stage)*	mustard, wild
corn spurry	narrow-leaved hawk's-beard
cow cockle	pigweed, redroot
dandelion (spring and fall rosettes, less than 15 cm)	Russian thistle
flax, volunteer (up to 15 cm in height)	shepherd's-purse
flixweed	smartweed, annual (green smartweed, lady's thumb)
groundsel, common	stinkweed
	sunflower, volunteer

Weeds Suppressed:

Canada thistle (up to 15 cm in height)	sowthistle (up to 15 cm in height)
round leaved mallow (1-6 leaf stage, 10-12 cm in height)	stork's-bill
scentless chamomile	yellow toadflax (up to 15 cm in height)

*Including Group 2 resistant biotypes

Weeds Controlled or Suppressed by GF-2685 Herbicide at 50 g/ha + Refine SG at 30 g/ha + MCPA ester (600 g ae/L) at 470 mL/ha (up to 10 cm in height or diameter, unless otherwise specified)

Weeds Controlled:

alfalfa, volunteer (up to 25 cm in height)	lamb's-quarters (1-8 leaf)*
barnyard grass (up to the 5-leaf, 2-tiller stage)	mustard, ball
buckwheat, wild (1-5 leaf stage)	mustard, wild
canola, volunteer*	narrow-leaved hawk's-beard
chickweed (1-8 leaf stage)*	pigweed, redroot (1-8 leaf stage)*
cleavers (1-9 whorl stage)*	ragweed, common (up to 6-leaf stage)***
corn spurry	round-leaved mallow (up to the 6-leaf stage)
cow cockle	Russian thistle
dandelion (spring and fall rosettes, less than 15 cm)	shepherd's purse
flax, volunteer (up to 15 cm in height)	smartweed, annual (green smartweed, lady's thumb)
fleabane, Canada (up to 15 cm in height)***	stinkweed
flixweed	stork's-bill (up to the 8-leaf stage)
groundsel, common	sunflower, volunteer
hemp-nettle (1-8 leaf stage)*	velvetleaf (up to the 5-leaf stage)

Weeds Suppressed:

Canada thistle (up to 15 cm in height)	sowthistle (up to 15 cm in height)
kochia**	yellow toadflax (up to 15 cm in height)
scentless chamomile	

*Including Group-2 resistant biotypes

**light to moderate infestations (up to 150 plants/m²; up to 15 cm in height).

***Including Group 2 and 9 resistant biotypes

Mixing Instructions

See mixing Instructions for GF-2685 HERBICIDE + REFINE SG + MCPA ESTER in section entitled MIXING INSTRUCTIONS FOR TANK MIXING GF-2685 + OTHER TANK-MIX PARTNERS.

Note: When tank mixing GF-2685 + Refine SG + MCPA an adjuvant is not required.

TANK-MIX COMBINATIONS – GF-2685 HERBICIDE + OTHER HERBICIDES FOR ANNUAL GRASS CONTROL - FOR USE IN THE PRAIRIE PROVINCES AND THE PEACE RIVER REGION OF BRITISH COLUMBIA ONLY (except for Puma¹²⁰ Super or Puma Advance which can be used on spring wheat and spring barley in Eastern Canada)

For control of annual grasses (see table below) tank mix GF-2685 with the following graminicides. Refer to the above table for broadleaved weeds controlled or suppressed with GF-2685. When applied as a tank-mix combination, read and observe all label directions, including rates, restrictions, and grazing limitations for each product used in the tank-mix. Follow the more stringent label precautionary measures for mixing, loading and applying stated on all product labels.

Tank-Mix Combinations with GF-2685 Herbicide for Annual Grass Control

Tank-Mix Partner	Crops Registered	Rate/ha	Adjuvant and Rate	Additional Weeds Controlled
Axial 100 EC	spring wheat, spring barley	0.6 L/ha	Adigor at 0.7 L/ha	wild oats, green foxtail, yellow foxtail, barnyard grass, volunteer oats, volunteer canary seed, proso millet
Horizon 240EC*	spring wheat, durum wheat	0.23 L/ha	Score at 0.8% v/v	wild oats, green foxtail, yellow foxtail, barnyard grass, volunteer oats, volunteer canary seed
Horizon NG	spring wheat, durum wheat	0.93 L/ha	None required	wild oats, green foxtail, yellow foxtail, barnyard grass, volunteer oats, volunteer canary seed
Puma 120 Super**	spring wheat, durum wheat, spring barley	0.77 L/ha	None required	wild oats, green foxtail, yellow foxtail, barnyard grass
Puma Advance	spring wheat, durum wheat, spring barley	1.02 L/ha	None required	wild oats, green foxtail, yellow foxtail, barnyard grass
Liquid Achieve™ SC	spring wheat, durum wheat, spring barley	0.5 L/ha	Turbocharge at 0.5% v/v	wild oats, green foxtail, yellow foxtail, barnyard grass, volunteer oats, Persian dandelion
Everest 2.0***	spring wheat, durum wheat	36-72 mL/ha	Ag-Surf or Agral 90 at 0.25% v/v	wild oats, green foxtail, volunteer tame oats, green smartweed, wild mustard, shepherd's purse, stinkweed, redroot pigweed, volunteer canola****

Traxos Herbicide	spring wheat, durum wheat	1.2 L/ha	None required	wild oats, green foxtail, yellow foxtail, barnyard grass, volunteer oats, volunteer canary seed, proso millet, Persian darnel
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*Horizon 240EC may be substituted with any equivalent product delivering 56 g ai/ha clodinafop-propargyl at the label use rate.

**Puma 120 Super may be substituted with any equivalent product delivering 92 g ai/ha fenoxaprop-p-ethyl

***Consult tank-mix partner label for rate-specific claims.

****Will not control volunteer Imidazolinone-tolerant canola (Clearfield varieties)

Mixing Instructions

See mixing Instructions for GF-2685 HERBICIDE + OTHER HERBICIDES FOR ANNUAL GRASS CONTROL in section entitled MIXING INSTRUCTIONS FOR TANK MIXING GF-2685 + OTHER TANK-MIX PARTNERS.

TANK-MIX COMBINATIONS WITH GF-2685 HERBICIDE + REFINE SG FOR ANNUAL GRASS CONTROL

Tank-Mix Partner	Crops Registered	Rate/ha	Adjuvant and Rate	Additional Weeds Controlled
Axial 100 EC	spring wheat, spring barley	0.6 L/ha	Adigor at 0.7 L/ha	wild oats, green foxtail, yellow foxtail, barnyard grass, volunteer oats, volunteer canary seed, proso millet
Horizon 240EC*	spring wheat, durum wheat	0.23 L/ha	Score at 0.8% v/v	wild oats, green foxtail, yellow foxtail, barnyard grass, volunteer oats, volunteer canary seed
Horizon NG	spring wheat, durum wheat	0.93 L/ha	None required	wild oats, green foxtail, yellow foxtail, barnyard grass, volunteer oats, volunteer canary seed
Everest 2.0**	spring wheat, durum wheat	36-72 mL/ha	Ag-Surf or Agral 90 at 0.25% v/v	wild oats, green foxtail, volunteer tame oats

*Horizon 240EC may be substituted with any equivalent product delivering 56 g ai/ha clodinafop-propargyl at the label use rate.

**Consult tank-mix partner label for rate-specific claims.

Mixing Instructions

See mixing Instructions for GF-2685 HERBICIDE + REFINE SG FOR ANNUAL GRASS CONTROL in section entitled MIXING INSTRUCTIONS FOR TANK MIXING GF-2685 + OTHER TANK-MIX PARTNERS.

TANK-MIX COMBINATIONS WITH GF-2685 HERBICIDE + REFINE SG + MCPA ESTER FOR ANNUAL GRASS CONTROL

Tank-Mix Partner	Crops Registered	Rate/ha	Adjuvant and Rate	Additional Weeds Controlled
Axial 100 EC	spring wheat, spring barley	0.6 L/ha	Adigor at 0.7 L/ha	wild oats, green foxtail, yellow foxtail, barnyard grass, volunteer oats, volunteer canary seed, proso millet
Everest 2.0*	spring wheat, durum wheat	36-72 mL/ha	Ag-Surf or Agral 90 at 0.25% v/v	wild oats, green foxtail, volunteer tame oats

*Consult tank-mix partner label for rate-specific claims.

Mixing Instructions

See mixing Instructions for GF-2685 HERBICIDE + REFINE SG + MCPA ESTER FOR ANNUAL GRASS CONTROL in section entitled MIXING INSTRUCTIONS FOR TANK MIXING GF-2685 + OTHER TANK-MIX PARTNERS.

BUFFER ZONES

Use of the following spray methods or equipment **DO NOT** require a buffer zone: hand-held or backpack sprayer and spot treatment.

The buffer zones specified in the table below are required between the point of direct application and the closest downwind edge of sensitive terrestrial habitats (such as grasslands, forested areas, shelter belts, woodlots, hedgerows, riparian areas and shrublands) and sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands).

Method of application	Crop		Buffer Zones (metres) Required for the Protection of:		
			Freshwater Habitat of Depths:		Terrestrial Habitat
			Less than 1 m	Greater than 1 m	
Field sprayer	Spring wheat, durum wheat, winter wheat, spring barley		1	1	4
Aerial	Spring wheat, durum wheat, winter wheat, spring barley	Fixed wing	10	1	100
		Rotary wing	10	1	90

For tank mixes, consult the labels of the tank-mix partners and observe the largest (most restrictive) buffer zone of the products involved in the tank mixture and apply using the coarsest spray (ASAE) category indicated on the labels for those tank mix partners.

The spray drift buffer zones for this product can be modified based on weather conditions and spray equipment configuration by accessing the Buffer Zone Calculator on the Pest Management Regulatory Agency web site.

RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, GF-2685 Herbicide is a Group 4 herbicide. Any weed population may contain or develop plants naturally resistant to GF-2685 Herbicide and other Group 4 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. Other resistance mechanisms that are not linked to site of action, but specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance management strategies should be followed.

To delay herbicide resistance:

- Where possible, rotate the use of GF-2685 Herbicide or other Group 4 herbicides within a growing season (sequence) or among growing seasons with different herbicide groups that control the same weeds in a field.
- Use tank mixtures with herbicides from a different group when such use is permitted. To delay resistance, the less resistance-prone partner should control the target weed(s) as effectively as the more resistance-prone partner.

- Herbicide use should be based on an integrated weed management program that includes scouting, historical information related to herbicide use and crop rotation, and considers tillage (or other mechanical control methods), cultural (for example, higher crop seeding rates; precision fertilizer application method and timing to favour the crop and not the weeds), biological (weed-competitive crops or varieties) and other management practices.
- Monitor weed populations after herbicide application for signs of resistance development (for example, only one weed species on the herbicide label not controlled). If resistance is suspected, prevent weed seed production in the affected area if possible by an alternative herbicide from a different group. Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment when moving between fields, and planting clean seed.
- Have suspected resistant weed seeds tested by a qualified laboratory to confirm resistance and identify alternative herbicide options.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance management and/or integrated weed management recommendations for specific crops and weed biotypes.
- For further information or to report suspected resistance, contact Corteva Agriscience Canada Company at 1-800-667-3852 or www.corteva.ca.

NOTICE TO USER: This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label.

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