

2023-6584
2026-04-14

(Container)

GROUP	2	HERBICIDE
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FLORASULAM SC HERBICIDE

Suspension

**FOR SALE FOR USE IN THE PRAIRIE PROVINCES AND THE
INTERIOR OF BRITISH COLUMBIA (INCLUDING PEACE RIVER REGION) ONLY**

FLORASULAM SC Herbicide is a selective herbicide for post-emergent control or suppression of annual broadleaf weeds including cleavers, wild buckwheat and chickweed in spring wheat (including durum), winter wheat, spring barley, oats (tank mixes only) and summerfallow (tank mixes only).

COMMERCIAL (AGRICULTURAL)

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

ACTIVE INGREDIENT: florasulam50 g/L

Contains 1,2-benzisothiazoline-3-one at 0.02% as a preservative

REGISTRATION NO. 35928
PEST CONTROL PRODUCTS ACT

CAUTION  **POISON**

MAY CAUSE SLIGHT EYE IRRITATION

NET CONTENTS: 1L - bulk

Nufarm Agriculture Inc.
5101, 333 96th Avenue NE
Calgary, Alberta
T3K 0S3
1-800-667-3852

Product Information: 1-800-868-5444
24-Hour Emergency Response Number: 1-800-424-9300

PRECAUTIONS

MAY CAUSE SLIGHT EYE IRRITATION

KEEP OUT OF REACH OF CHILDREN

DO NOT APPLY BY AIR

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

Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes during mixing, loading, application, clean-up and repair. Gloves are not required during application within a closed cab. In addition, wear protective eyewear (goggles or face shield) during mixing, loading, clean-up and repair.

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.

Apply only when the potential for drift beyond the area to be treated is minimal. Take into consideration windspeed, wind direction, temperature inversions, application equipment, and sprayer settings.

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 judgment of the physician in response to reactions of the patient. Treat symptomatically.

EMERGENCY TELEPHONE NUMBERS:

For spills or transportation accidents, Chemtrec, 1-800-424-9300.

For health or environmental emergencies, Propharma Group, 1-877-325-1840

For product and use information, Nufarm Agriculture Inc., 1-800-868-5444.

AGRICULTURAL CHEMICAL

DO NOT ship or store with food, feeds, drugs or clothing.

ENVIRONMENTAL PRECAUTIONS

- Toxic to aquatic organisms and non-target terrestrial plants. Observe spray 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 filter strip between the treated area and the edge of the water body. Additional guidance can be found on the Runoff Mitigation portion of the Canada.ca website.
- This product demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this product in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

STORAGE

Store in original containers in a secure, dry heated storage. FLORASULAM SC Herbicide will freeze at -10°C . If product is frozen, bring to room temperature and agitate before use. 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. 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 or territorial requirements.

Refillable Containers:

For disposal, this container may be returned to the point of purchase (distributor/dealer). It must be refilled by the distributor/dealer with the same product. DO NOT reuse this container for any other purpose.

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For information on disposal of unused, unwanted product, contact the registrant or the provincial or territorial regulatory agency. Contact the registrant and the provincial or territorial 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 any way that is inconsistent with the directions on the label.

(Booklet)

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- Avoid application when heavy rain is forecast.
- Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative filter strip between the treated area and the edge of the water body. Additional guidance can be found on the Runoff Mitigation portion of the Canada.ca website.
- This product demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this product in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

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

GENERAL INFORMATION

FLORASULAM SC Herbicide is a selective postemergence herbicide for the control of hard-to-kill annual broadleaf weeds such as chickweed, wild buckwheat and cleavers in spring wheat (including durum), winter wheat, spring barley, and oats (tank mixes only) not underseeded with legumes, or in summerfallow. FLORASULAM SC Herbicide is mixed with water and applied as a uniform broadcast spray. It is non-corrosive, nonflammable, and nonvolatile.

FLORASULAM SC Herbicide must be applied to emerged actively growing weeds. Warm, moist growing conditions promote active weed growth and enhance the activity of FLORASULAM SC Herbicide by allowing maximum foliar uptake and contact 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.

FLORASULAM SC Herbicide stops growth of susceptible weeds rapidly. However, typical symptoms (discolouration) of dying weeds may not be noticeable for 1 to 2 weeks after application, depending upon growing conditions and weed susceptibility. Degree of control and duration of effect are dependent on weed sensitivity, weed size, crop competition, growing conditions at and following treatment, and spray coverage.

Delay application until weeds have emerged to the stages described (see Directions for Use section) to provide adequate leaf surface to receive the spray. Unemerged weeds or vegetation arising from underground rhizomes or root stocks of perennials will not be affected by the spray and will continue to grow. For this reason, best control of most perennial weeds is obtained when treatment is made at late growth stages approaching maturity.

DO NOT treat weeds under poor growing conditions such as drought stress, disease or insect damage, as reduced weed control may result. Reduced results may also occur when treating weeds heavily covered with dust.

Heavy rainfall immediately after application may wash the chemical off the foliage and a repeat treatment may be required. Do not apply if rainfall is forecast for the time of application.

DO NOT mix with any surfactant, pesticide, herbicide oils or any other material other than water unless specified in this booklet. For best results, spray coverage should be uniform and complete. DO NOT sprayweed foliage to the point of runoff.

MODE OF ACTION

This herbicide moves through the plant from the point of foliage contact to and into the root system. Visible effects on most annual weeds occur within 2 to 4 days but on most perennial weeds may not occur until 7 to 10 days. Extremely cool or cloudy weather at treatment time may slow down activity of this product and delay visual effects of control. Visible effects are a gradual wilting and yellowing of the plant which advances to complete browning of above ground growth and deterioration of underground plant parts. FLORASULAM SC Herbicide is a Group 2 mode of action herbicide.

GENERAL USE PRECAUTIONS

- DO NOT apply by air.
- DO NOT apply through any type of irrigation system.
- This product has potential to leach. DO NOT apply excessive irrigation.

Sensitive Plants

DO NOT apply FLORASULAM SC Herbicide directly to, or otherwise permit it to come in direct contact with susceptible crops or desirable plants including alfalfa, edible beans, canola, flowers and ornamentals, lentils, lettuce, peas, potatoes, radishes, soybeans, sugar beets, sunflowers, tomatoes or tobacco.

Growing Conditions

Marginal soil fertility, saline soils, extended periods of cool, waterlogged soil (soils at or near field capacity) conditions, and drought or seedling disease can delay seedling development, emergence and vigor and may result in reduced crop stand and seed yield. On variable fields, it should be expected that under these conditions significantly eroded knolls and side hills may have variable crop emergence and stand. In fields with these conditions, plants may show initial discolouration and can be subject to greater risk of herbicide injury. In most cases, crops will outgrow the symptoms, but in severe situations reduced crop stand, yield, quality or delayed maturity may occur.

Crop Rotation

Fields previously treated with FLORASULAM SC Herbicide can be seeded the following crop year to alfalfa, barley, canola, chickpeas, corn, fababeans, field beans, flax, Juncea canola, lentils, mustard (brown, oriental and/or yellow), oats, peas, potatoes (except seed potatoes), soybeans, sunflower, wheat, forage crops or fields can be summerfallowed.

ATTENTION: AVOID CONTACT WITH FOLIAGE, GREEN STEMS, OR FRUIT OF CROPS, DESIRABLE PLANTS AND TREES SINCE SEVERE INJURY OR DESTRUCTION MAY RESULT.

APPLY THESE SPRAY SOLUTIONS IN PROPERLY MAINTAINED AND CALIBRATED EQUIPMENT CAPABLE OF DELIVERING DESIRED VOLUMES.

AVOID DRIFT - EXTREME CARE MUST BE USED WHEN APPLYING THIS PRODUCT TO PREVENT INJURING DESIRABLE PLANTS AND CROPS. Even minute quantities of spray drift can cause severe damage or destruction to nearby crops, plants or other areas on which treatment is not intended or may cause other unintended consequences.

DO NOT USE IN GREENHOUSES. REDUCED RESULTS MAY OCCUR IF WATER CONTAINING SOIL IS USED, SUCH AS WATER FROM PONDS AND UNLINED DITCHES.

Clean sprayer and parts immediately after using this product by thoroughly flushing with water. Do not contaminate water sources by disposal of wastes or cleaning of equipment.

NOTE: Use of this product in any manner not consistent with this booklet may result in injury to persons, animals or crops, or other unintended consequences. Keep container closed to prevent spills and contamination.

Tank Mixtures

This product may be tank mixed with a fertilizer, a supplement, or with registered pest control products, whose labels also allow tank mixing, provided the entirety of both labels, including Directions For Use, Precautions, Restrictions, Environmental Precautions, and Spray Buffer Zones are followed for each product. In cases where these requirements differ between the tank mix partner labels, the most restrictive label must be followed. Do not tank mix products containing the same active ingredient unless specifically listed on this label.

In some cases, tank mixing pest control products can result in reduced pesticide efficacy or increased host crop injury. The user should contact Nufarm Agriculture Inc. at 1-800-868-5444 or www.nufarm.ca for information before applying any tank mix that is not specifically recommended on this label.

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 Instructions

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, or Clean-Out Spray Tank Cleaner, or 1 L of household ammonia (containing a minimum of 3 % ammonia) per 100 L of water, or similar tank cleaning agent 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 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 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 UNDERSEEDDED WITH LEGUMES.

FLORASULAM SC Herbicide is not to be applied using hand-wicking or hand-daubing methods.

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.

Aerial Application

DO NOT apply by air.

On all commercial end-use products with field sprayer application that require up to 3m spray buffer zone for terrestrial habitat:

Field sprayer application: **DO NOT** apply when wind speed is less than 1 km/h. Avoid application of this product when winds are gusty. **DO NOT** apply with sprays finer than the American Society of Agricultural and Biological Engineers (ASABE) S572 (572.1 to 572.3) medium classification. Boom height must be 60 cm or less above the crop or ground.

On all commercial end-use products with field sprayer application that require up to 2m spray buffer zone for terrestrial habitat:

Field sprayer application: **DO NOT** apply when wind speed is less than 1 km/h. Avoid application of this product when winds are gusty. **DO NOT** apply with sprays finer than the American Society of Agricultural and Biological Engineers (ASABE) S572 (572.1 to 572.3) coarse classification. Boom height must be 60 cm or less above the crop or ground.

SPRAY BUFFER ZONES

A spray buffer zone is NOT required for:

- Uses with hand-held application equipment permitted on this label.

The spray 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).

Crop	Method of Application	Spray Buffer Zones (metres) Required for the Protection of:		
		Freshwater Habitat of Depths:		Terrestrial Habitat:
		Less than 1 m	Greater than 1 m	
All labelled crops	Field sprayer (coarse)	1	0	2
	Field sprayer (medium)	1	0	3

Note: The spray buffer zones presented in this table are for florasulam. As spray buffer zones are active specific, for co-formulated products care must be taken to ensure the correct spray buffer zones remain on the label. For all non-co-formulated products, the spray buffer zones for florasulam apply for both aquatic and terrestrial habitats.

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

The spray buffer zones for this product for conventional application equipment that are larger than 1m can be modified based on weather conditions and spray equipment configuration by accessing the Spray Buffer Zone Calculator on the Drift Mitigation portion of the Canada.ca website.

FLORASULAM SC HERBICIDE ALONE

Crops Registered

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

Application Directions

Apply 100 mL of FLORASULAM SC Herbicide per hectare in a minimum of 100 L per hectare of water. Add Agral 90* at 0.2% v/v. See weeds species controlled under “Weeds Controlled or Suppressed by FLORASULAM SC Herbicide Alone at 100 mL/ha”. Apply to actively growing wheat and barley from the 2 to 6 leaf stage. 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.

* Agral 90 Non-Ionic Wetting & Spreading Agent Liquid OR Agral 90 Non-Ionic Liquid Wetting & Spreading Agent

Application Timing

Apply to actively growing weeds in the 2-4 leaf stage. 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.

In fields with low organic matter (soils <3%) and coarse-textured soils or in fields with highly variable soils, gravelly areas, sandy areas, eroded knolls or those subject to compaction, crop injury may occur when combined with sufficient moisture (heavy rainfall, high soil moisture) to move product into the soil zone during seedling development. Under adverse conditions, the plants are less capable of metabolizing any active taken up by the roots which may result in weakened seedlings. Fields may exhibit reduced stand, yield or delayed maturity. Drought, disease or insect damage following application may also result in crop injury, grade or yield loss.

Use high quality, treated seed and plant into warm soils with favourable germination conditions. Ensure good soil fertility practices that promote rapid germination and seedling development. Fall application of FLORASULAM SC Herbicide is recommended on fields with the above conditions.

Weeds Controlled or Suppressed by FLORASULAM SC Herbicide Alone at 100mL/ha

Weeds Controlled:

buckwheat, wild	mustard, wild
canola, volunteer*	shepherd's-purse
chickweed, common	smartweed
Cleavers	stinkweed
cow cockle	

* Including herbicide-tolerant canola varieties except Clearfield canola

Weeds Suppressed:

hempnettle	sowthistle, annual
narrow-leaved hawk's beard	sowthistle, perennial*
pigweed, redroot	

* Applications made at advanced leaf stages will reduce product effectiveness.

Mixing Instructions

1. Fill sprayer tank 1/2 full of water.
2. Start sprayer tank agitation.
3. Add the required amount of FLORASULAM SC Herbicide
4. Fill the sprayer tank with sufficient water to spray 100 L of spray mixture per hectare.
5. Add Agral 90* as the last ingredient at the rate of 0.2% v/v (2 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., canola and legumes).
7. Follow sprayer clean-up directions.

* Agral 90 Non-Ionic Wetting & Spreading Agent Liquid OR Agral 90 Non-Ionic Liquid Wetting & Spreading Agent

Preharvest/Grazing Intervals

Livestock may be grazed on treated crops 7 days following application. DO NOT harvest the treated crop within 60 days after application.

TANK-MIX COMBINATION — FLORASULAM SC HERBICIDE + AXIAL 100EC HERBICIDE OR HORIZON NG HERBICIDE

For control of annual grasses (see table below) tank mix FLORASULAM SC Herbicide with either Axial

100EC Herbicide or Horizon NG Herbicide. Refer to the above table for broadleaf weeds controlled or suppressed with FLORASULAM SC Herbicide.

Tank-Mix Combinations with FLORASULAM SC Herbicide for Annual Grass Control

Tank-Mix Partner	Crops Registered	Rate/ha	Adjuvant and Rate	Additional Weeds Controlled
Axial 100 EC Herbicide	spring wheat spring barley	600 mL	Adigor Adjuvant 700 mL/ha	wild oats, green foxtail*, yellow foxtail, barnyard grass, volunteer oats, volunteer canary seed, proso millet
Horizon NG Herbicide	spring wheat durum wheat	930 mL	Not required	wild oats, green foxtail

* Reduction in control of green foxtail may be observed when tank mixed with Axial 100EC Herbicide.

To control additional broadleaf weeds, MCPA Ester may be added to either tank mix up to a maximum of 420 g ae/ha (equivalent to 840 mL/ha of MCPA LV500 Herbicide). Refer to the MCPA Ester tank mix partner label for rates less than 420 g ae/ha and weed controlled.

Mixing Instructions

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 FLORASULAM SC Herbicide and agitate for 2-3 minutes.
3. If 2,4-D Ester or MCPA Ester are also being added, add these next.
4. Add Axial 100EC Herbicide or Horizon NG Herbicide. Agitate for 2-3 minutes.
5. Add required Adjuvant.
6. Agitate for 1-2 minutes before adding remainder of water and then maintain constant agitation.
7. After any break in spraying operations, agitate thoroughly before spraying again.
8. **Use the spray suspension as soon as it is prepared.**
9. If an oil film starts to build up in the tank, drain tank and then clean as directed on this label.

TANK MIX COMBINATION - FLORASULAM SC HERBICIDE + MCPA ESTER

Crops Registered

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

Application Directions

For control of a wide spectrum of broadleaf weeds apply FLORASULAM SC Herbicide at 100 mL/ha tank mixed with MCPA Ester at 350 g ae/ha (e.g., MCPA LV 500 Herbicide at 0.70 L/ha) in 100 L per hectare of water. Apply to actively growing wheat, barley, and oats from the 2 to 6 leaf stage. 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.

Weeds Controlled or Suppressed by the Tank Mixture of FLORASULAM SC Herbicide + MCPA Ester

Weeds Controlled:

buckwheat, wild	Hempnettle***	ragweed, common
Burdock**	lamb'squarters	shepherd's purse
canola, volunteer*	mustard, ball	smartweed
chickweed, common	mustard, wild	stinkweed
cleavers	pigweed, redroot***	sunflower, annual**
cow cockle	pigweed, Russian**	
flixweed (spring rosettes only)	prickly lettuce	

Weeds Suppressed:

dandelion (seedlings and overwintered rosettes less than 15 cm)***	sowthistle, perennial
plantain (top growth)	stork's bill***
sowthistle, annual	thistle, Canada***
	narrow-leaved hawk's beard

* Including herbicide-tolerant canola varieties

** Up to 4 leaf stage

*** Optimum control can be achieved with the addition of 70 g ae/ha of MCPA Ester

Mixing Instructions

1. Fill sprayer tank 1/2 full of water.
2. Start sprayer tank agitation.
3. Add the required amount of FLORASULAM SC Herbicide
4. Add the correct amount of MCPA Ester and continue to agitate.
5. Fill the sprayer tank with sufficient water to spray 100 L of spray mixture per hectare.
6. Follow sprayer directions and precautions as outlined above, especially when applying next to sensitive crops (e.g., canola and legumes).
7. Follow sprayer clean-up directions.

Note: DO NOT add a surfactant to this tank mixture.

Pre-Harvest/Grazing Intervals (FLORASULAM SC Herbicide + MCPA Ester)

1. DO NOT cut the treated crop for hay or graze treated crop within 7 days after application.
2. DO NOT harvest the treated crop within 60 days after application.

TANK-MIX COMBINATION - FLORASULAM SC HERBICIDE + MCPA ESTER + OTHER HERBICIDES

Crops Registered

Spring wheat (including durum) and spring barley

DO NOT apply these tank mixes to oats.

Application Directions

Tank mixtures of FLORASULAM SC Herbicide + MCPA Ester with other herbicides will provide control of broadleaf weeds and specified annual grasses. Apply to actively growing wheat and barley from the 2 to 6 leaf stage. 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.

Tank-Mix Combinations with FLORASULAM SC Herbicide + MCPA Ester + Other Herbicides

Herbicide Tank-Mix Partner	Crops Registered	Rate (Product/ha)	Adjuvant and Rate	Additional Weeds Controlled
Simplicity™	wheat (spring & durum)	500 mL	Not required	Wild oat, barnyard grass, Japanese brome, hempnettle*, redroot Pigweed*
Axial 100EC Herbicide	spring wheat, spring barley	600 mL	Adigor Adjuvant 700 mL/ha	Wild oats, green foxtail, yellow foxtail**, barnyard grass**, volunteer oats, volunteer canary seed, proso millet

* Additional MCPA not required

** Suppression only of green foxtail and reduction in barnyard grass control may be observed

Mixing Instructions

1. Fill sprayer tank 1/2 full of water.
2. Start sprayer tank agitation.
3. Add FLORASULAM SC Herbicide.
4. Add MCPA Ester and continue to agitate.
5. Add the required amount of tank mix partner and continue to agitate.
6. Fill the sprayer tank with sufficient water to spray 100 L of spray mixture per hectare.
7. Follow sprayer directions and precautions as outlined above, especially when applying next to sensitive crops (e.g., canola and legumes).
8. Follow sprayer clean-up directions.

Note 1: Add only the adjuvant recommended above. Follow tank mix partner label for order of mixing and any specific instructions for mixing.

TANK-MIX COMBINATION - FLORASULAM SC HERBICIDE + 2,4-D ESTER

Crops Registered

Spring wheat (including durum) and winter wheat

Application Directions

For control of a wide spectrum of broadleaf weeds apply FLORASULAM SC Herbicide at 100 mL/ha tank mixed with 2,4-D Ester at 560 g a.e./ha (e.g., 2,4-D LV 600 Herbicide at 1.0 L/ha). Apply when wheat is in the 3-leaf expanded stage to the 6-leaf stage. Apply when weeds are actively growing.

Only weeds emerged at the time of treatment will be affected. Best results are obtained from

application made to seedling weeds.

Weeds Controlled or Suppressed by the Tank Mixture of FLORASULAM SC Herbicide + 2,4-D Ester

Weeds Controlled:

bluebur	flixweed	prickly lettuce
burdock	Kochia**	ragweed, common
buckwheat, tartary	lady's-thumb	Shepherd's purse
buckwheat, wild	Lamb'squarters	smartweed
canola, volunteer*	mustard, ball	sowthistle, annual
chickweed, common	mustard, wild	stinkweed
cleavers	mustard, wild	Sunflower, annual
cocklebur	Narrow-leaved hawk's beard***	thistle, Russian
cow cockle	pigweed, redroot	vetch
dandelion (seedlings and overwintered rosettes)	plantain	wild radish

* Including all herbicide-tolerant canola varieties

** up to 5 cm in height

* ** 1-2 leaf stage

Weeds Suppressed:

Hempnettle

thistle, Canada (top growth control)

sowthistle, perennial (top growth control)

Mixing Instructions

1. Fill sprayer tank 1/2 full of water.
2. Start sprayer tank agitation.
3. Add FLORASULAM SC Herbicide
4. Add 2,4-D Ester and continue to agitate.
5. Fill the sprayer tank with sufficient water to spray 100 L of spray mixture per hectare.
6. Follow sprayer directions and precautions as outlined above, especially when applying next to sensitive crops (e.g., canola and legumes).
7. Follow sprayer clean-up directions.

Pre-Harvest/Grazing Intervals (FLORASULAM SC Herbicide + 2,4-D Ester)

1. DO NOT permit lactating dairy animals to graze fields within 7 days after application.
2. DO NOT harvest forage or cut hay within 30 days after application.
3. Withdraw meat animals from treated fields at least 3 days before slaughter.
4. DO NOT harvest the treated mature crop within 60 days after application

TANK MIX COMBINATION - FLORASULAM SC HERBICIDE + BROMOXYNIL**Crops Registered**

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

Application Directions

For control of a wide spectrum of broadleaf weeds, apply FLORASULAM SC Herbicide at 100 mL/ha tank mixed with 280 g ai/ha of bromoxynil liquid formulations, including emulsifiable suspensions (for example, 1 L/ha Pardner Herbicide or 1.2 L/ha Nufarm Koril 235 Liquid Herbicide), in 100 L per hectare of water. Apply to spring wheat, durum wheat, and spring barley from the 2 to 6 leaf stage. Apply when weeds are actively growing (2-4 leaf stage). Only weeds emerged at the time of treatment will be controlled. Best results are obtained from applications made to seedling weeds.

Weeds Controlled or Suppressed by FLORASULAM SC Herbicide + bromoxynil**Weeds Controlled: (Up to 4 leaf stage)**

bluebur	Kochia***	Shepherd's purse
buckwheat, wild	lady's-thumb	smartweed, green
canola, volunteer*	mustard, wild	smartweed, pale
Chickweed, common	nightshade, American	stinkweed
Cleavers	pigweed, redroot	thistle, Russian**
Cocklebur	ragweed, common	Velvetleaf***

* Including herbicide-tolerant canola varieties except Clearfield canola

** Apply before plants are 5 cm high

*** Apply before plants are 8 cm high

Weeds Controlled: (Up to 8 leaf stage)

buckwheat, common
buckwheat, Tartary
cow cockle

groundsel, common
Lamb'squarters

Weeds Suppressed:

hempsnettle
narrow-leaved hawks' beard

sowthistle, annual
sowthistle, perennial*

* Applications made at advanced leaf stages will reduce product effectiveness

Mixing Instructions

1. Fill sprayer tank 1/2 full of water.
2. Start sprayer tank agitation.
3. Add the required amount of FLORASULAM SC Herbicide and continue to agitate.
4. Add the correct amount of bromoxynil product
5. Fill the sprayer tank with sufficient water to spray 100 L of spray mixture per hectare.
6. Follow sprayer directions and precautions as outlined above, especially when applying next to sensitive crops (e.g., canola and legumes).
7. Follow sprayer clean-up directions.

Note: DO NOT add a surfactant to this tank mixture.

Pre-Harvest/Grazing Intervals (FLORASULAM SC Herbicide + bromoxynil)

1. DO NOT cut the treated crop for hay or graze treated crop within 30 days of application.
2. DO NOT harvest the treated crop within 60 days of application.

TANK-MIX COMBINATION WITH FLORASULAM SC HERBICIDE +BROMOXYNIL + OTHER HERBICIDES

Crops Registered

Spring wheat (including durum)

Tank mixtures of FLORASULAM SC Herbicide + bromoxynil with other herbicides will provide control of broadleaf weeds and specified annual grasses. Apply when crops and 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.

Tank-Mix Combinations with FLORASULAM SC Herbicide + Bromoxynil Liquid Formulations, Including Emulsifiable Suspensions, + Other Herbicides

Herbicide Tank-Mix Partner	Crops Registered	Rate (Product/ha)	Adjuvant and Rate	Additional Weeds Controlled
Simplicity	wheat (spring & durum)	550 mL	not required	wild oats, barnyardgrass, Japanese brome, hempnettle, yellow foxtail

Mixing Instructions

1. Fill sprayer tank 1/2 full of water.
2. Start sprayer tank agitation.
3. Add FLORASULAM SC Herbicide
4. Add bromoxynil product and continue to agitate.
5. Add tank mix partner and continue to agitate.
6. Add adjuvant if required and continue to agitate.
7. Fill sprayer tank with sufficient water to spray 100 L of spray mixture per hectare.
8. Follow sprayer directions and precautions as outlined above, especially when applying next to sensitive crops (e.g., canola and legumes).
9. Follow sprayer clean-up directions.

TANK-MIX COMBINATION - FLORASULAM SC HERBICIDE + GLYPHOSATE PRESENT AS ISOPROPYLAMINE SALT OR DIMETHYLAMINE SALT (E.G., VANTAGE™ PLUS MAX HERBICIDE SOLUTION OR VP480 HERBICIDE)

Application Directions

FLORASULAM SC Herbicide may be tank mixed with glyphosate present as isopropylamine salt (e.g., Vantage Plus MAX Herbicide Solution) or dimethylamine salt (e.g., VP 480 Herbicide) to control volunteer glyphosate tolerant canola, wild buckwheat (up to 5 leaf) and top growth control of dandelion (up to 6 leaf stage) in addition to the labelled weeds controlled by FLORASULAM SC Herbicide or glyphosate.

Apply FLORASULAM SC Herbicide at 100 mL/ha and glyphosate (present as isopropylamine salt or dimethylamine salt) at 450 g a.e./ha in 100 L water per hectare.

Application Timing and Cropping

Apply to actively growing weeds in the 2-4 leaf stage, except where noted above. Extreme growing conditions such as drought or near freezing temperature prior to, at or following time of application may reduce weed control. 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 high weed density, control may be reduced.

Spring

FLORASULAM SC Herbicide + glyphosate may be applied in the spring prior to seeding and no longer than 48 hours after seeding prior to any crop emergence. Fields treated with FLORASULAM SC Herbicide in the spring may be planted to barley, oats, wheat, (including durum) or summer fallowed.

Summer

Prior to August 1st: FLORASULAM SC Herbicide + glyphosate may be applied to summer fallow fields and seeded in the following spring to barley, canola, oats, peas or wheat (including durum) or summer fallowed.

After August 1st, FLORASULAM SC Herbicide + glyphosate may be applied to summer fallow fields and seeded in the following spring to barley, oats or wheat (including durum) or summer fallowed.

Fall

FLORASULAM SC Herbicide + glyphosate may be applied to stubble or summer fallow fields after August 1st and prior to freeze-up and may be seeded to barley, oats or wheat (including durum) or summer fallowed.

Apply up to 2 applications per year (to a maximum of 10 g ai/ha of florasulam)

Weeds Controlled or Suppressed with FLORASULAM SC Herbicide + glyphosate

Weeds Controlled:

Annual Broadleaf Weeds

buckwheat, wild (up to 5 leaves)	flixweed	narrow-leaved hawk's beard**
canola, volunteer*	hempnettle	
chickweed, common	kochia	ragweed, common**
cleavers	lady's-thumb	scentless chamomile
cow cockle	lamb's-quarters	shepherd's purse
flax, volunteer	mustard, wild	smartweed
fleabane, Canada**	pigweed, redroot	stinkweed
		thistle, Russian

Annual Grasses

barley,	foxtail, green	Persian darnel
volunteer	oats, wild	wheat, volunteer
brome, downy		
foxtail, giant		

Perennial Weeds

dandelion (seedling, overwintered rosettes, mature plants up to 30 cm in diameter)

Weeds Suppressed:

sowthistle, annual sowthistle, perennial***

* Including all herbicide tolerant canola varieties

** Less than 8 cm in height

*** Applications made at advanced stages will reduce effectiveness

Mixing Instructions

1. Fill sprayer tank 1/2 full of water.
2. Start sprayer tank agitation.
3. Add the required amount of FLORASULAM SC Herbicide, continue agitation.
4. Add the required amount of glyphosate, continue agitation.
5. Fill the sprayer tank with sufficient water to spray 50 - 100 L of spray mixture per hectare.

RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, FLORASULAM SC Herbicide is a Group 2 herbicide. Any weed population may contain or develop plants naturally resistant to FLORASULAM SC Herbicide and other Group 2 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 FLORASULAM SC Herbicide or other Group 2 herbicide 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 Nufarm Agriculture Inc. at 1-800-868-5444.

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 any way that is inconsistent with the directions on the label.

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