

[PRINCIPAL DISPLAY PANEL]

GROUP	2	HERBICIDE
-------	---	-----------

NC-0050 HERBICIDE

SOLUBLE GRANULES

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

COMMERCIAL

READ THE LABEL AND ATTACHED BOOKLET BEFORE USING

NET CONTENTS: 120 grams – 20 Kg

REGISTRATION NO.: 29928 *PEST CONTROL PRODUCTS ACT*

ACTIVE INGREDIENT: Tribenuron-methyl 50%

WARNING, CONTAINS THE ALLERGENS SULFITES AND MILK

WARNING – EYE IRRITANT
POTENTIAL SKIN SENSITIZER

FMC of Canada Limited
6755 Mississauga Road, Suite 204
Mississauga, ON L5N 7Y2
1-833-362-7722

PRECAUTIONS: WARNING - EYE IRRITANT.
 POTENTIAL SKIN SENSITIZER.
 DO NOT APPLY BY AIR.
 KEEP OUT OF REACH OF CHILDREN.
 MAY BE HARMFUL IF SWALLOWED, INHALED OR ABSORBED THROUGH
 SKIN.
 AVOID BREATHING SPRAY MIST. USE WITH ADEQUATE VENTILATION.
 AVOID CONTACT WITH SKIN, EYES AND CLOTHING.
 DO NOT CONTAMINATE ANY BODY OF WATER.
 WEAR LONG-SLEEVED SHIRT, LONG PANTS, SOCKS AND CHEMICAL-
 RESISTANT GLOVES AND FOOTWEAR DURING MIXING, LOADING,
 APPLICATION, CLEAN-UP AND REPAIR. IN ADDITION, WEAR GOGGLES
 OR FACE SHIELD DURING MIXING AND LOADING. CHEMICAL-RESISTANT
 GLOVES ARE NOT REQUIRED WHILE OPERATING GROUNDBOOM
 SPRAYERS.
 DO NOT ENTER OR ALLOW WORKER ENTRY INTO TREATED AREAS FOR
 12 HOURS FOLLOWING APPLICATION.
 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 BOTH PRODUCT LABELS.
 MAY IRRITATE SKIN AND EYES. WHEN USING, DO NOT EAT, DRINK OR
 SMOKE.
 WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING.
 REMOVE CONTAMINATED CLOTHING IMMEDIATELY AFTER USE.

FIRST AID:

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.

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 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 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.

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

IN CASE OF EMERGENCY, CALL TOLL FREE, DAY OR NIGHT: 1-800-331-3148

TOXICOLOGICAL INFORMATION: Treat symptomatically.

STORAGE AND DISPOSAL

STORAGE:

Store product in original container in a secure, dry area, away from fertilizer, seed, food or feed. Not for use or storage in or around the home. Keep container tightly closed.

DISPOSAL:

If this is a non-reusable container:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Follow provincial instructions for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements

If this is a refillable container:

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.

If this is a returnable container:

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

For all package types:

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.

[Directions for Use brochure]

GROUP

2

HERBICIDE

NC-0050 HERBICIDE

SOLUBLE GRANULES

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

COMMERCIAL

READ THE LABEL AND THIS BOOKLET BEFORE USING

REGISTRATION NO.: 29928 *PEST CONTROL PRODUCTS ACT*

ACTIVE INGREDIENT: Tribenuron-methyl 50%

WARNING, CONTAINS THE ALLERGENS SULFITES AND MILK

WARNING – EYE IRRITANT
POTENTIAL SKIN SENSITIZER

FMC of Canada Limited
6755 Mississauga Road, Suite 204
Mississauga, ON L5N 7Y2
1-833-362-7722

TABLE OF CONTENTS

PRECAUTIONS:	6
FIRST AID:	6
TOXICOLOGICAL INFORMATION:	7
ENVIRONMENTAL HAZARDS:	7
GENERAL INFORMATION	7
USE PRECAUTIONS:	8
RECROPPING INTERVALS:	8
DIRECTIONS FOR USE:	9
NC-0050 HERBICIDE plus 2,4-D ESTER	10
NC-0050 HERBICIDE plus GLYPHOSATE	11
NC-0050 HERBICIDE plus GLYPHOSATE plus AIM® EC HERBICIDE	13
NC-0050 HERBICIDE plus GLYPHOSATE plus AUTHORITY® 480 HERBICIDE	14
PASTURE AND RANGELAND	16
MINOR USES	16
ALFALFA, RED CLOVER AND ALSIKE CLOVER GROWN FOR SEED OR FORAGE PRODUCTION	16
SMOOTH BROMEGRASS, MEADOW BROMEGRASS, TIMOTHY AND CREEPING RED FESCUE GROWN FOR FORAGE AND SEED PRODUCTION	17
MIXING INSTRUCTIONS	17
SPRAYER CLEANOUT	19
RESISTANCE-MANAGEMENT RECOMMENDATIONS	19
STORAGE AND DISPOSAL	20
NOTICE TO USER	20

PRECAUTIONS:

WARNING - EYE IRRITANT.

POTENTIAL SKIN SENSITIZER.

DO NOT APPLY BY AIR.

KEEP OUT OF REACH OF CHILDREN.

MAY BE HARMFUL IF SWALLOWED, INHALED OR ABSORBED THROUGH SKIN. AVOID BREATHING SPRAY MIST. USE WITH ADEQUATE VENTILATION.

AVOID CONTACT WITH SKIN, EYES AND CLOTHING.

DO NOT CONTAMINATE ANY BODY OF WATER.

WEAR LONG-SLEEVED SHIRT, LONG PANTS, SOCKS AND CHEMICAL-RESISTANT GLOVES AND FOOTWEAR DURING MIXING, LOADING, APPLICATION, CLEAN-UP AND REPAIR. IN ADDITION, WEAR GOGGLES OR FACE SHIELD DURING MIXING AND LOADING. CHEMICAL-RESISTANT GLOVES ARE NOT REQUIRED WHILE OPERATING GROUNDBOOM SPRAYERS.

DO NOT ENTER OR ALLOW WORKER ENTRY INTO TREATED AREAS FOR 12 HOURS FOLLOWING APPLICATION.

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 BOTH PRODUCT LABELS.

MAY IRRITATE SKIN AND EYES. WHEN USING, DO NOT EAT, DRINK OR SMOKE.

WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING.

REMOVE CONTAMINATED CLOTHING IMMEDIATELY AFTER USE.

FIRST AID:

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.

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 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 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.

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

IN CASE OF EMERGENCY, CALL TOLL FREE, DAY OR NIGHT: 1-800-331-3148

TOXICOLOGICAL INFORMATION:

Treat symptomatically.

ENVIRONMENTAL HAZARDS:

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

IMPORTANT INFORMATION - READ BEFORE USING

Injury to or loss of desirable trees, shrubs, flowers, vegetables, fruits or other vegetation may result from failure to observe the following: Do not apply, drain or flush equipment on or near desirable trees or other plants, or on areas where their roots may extend, or in locations where the chemical may be washed or moved into contact with their roots. Do not use on lawns, walks, driveways, tennis courts, or similar areas. Prevent drift of spray to desirable plants. Do not contaminate any body of water, including irrigation water that may be used on crops.

DO NOT APPLY BY AIR.

Do not apply in high winds.

Carefully observe sprayer clean-up instructions, as spray tank residue may damage crops other than spring wheat, durum wheat, winter wheat, or spring barley. Thoroughly clean all traces of tank mix from application equipment immediately after use. Flush tank, pump, hoses, and boom with several changes of water after removing nozzle tips and screens (clean these parts separately). Wash away any spray mixture from the outside of spray tank, nozzle or spray rig.

DO NOT APPLY NC-0050 HERBICIDE WITH A CARRIER OTHER THAN WATER OR ANY ADDITIVE OTHER THAN THOSE INDICATED ON THIS LABEL. Other carriers may accelerate breakdown of this product and reduce its effectiveness.

GENERAL INFORMATION

NC-0050 Herbicide provides control of certain broad-leaved weeds in summerfallow, as a post-harvest treatment and on fields to be planted to spring wheat (including durum), winter wheat, spring barley, oats, canary seed, pulse crops (including dry bean, faba bean, field pea, lupin and soybean), alfalfa, red clover, alsike clover smooth brome grass, meadow brome grass, timothy and creeping red fescue and in pasture and rangeland.

Warm, moist growing conditions promote active weed growth and enhance the activity of NC-0050 Herbicide by allowing maximum foliar uptake and contact activity. Weeds hardened off by environmental stress such as cold weather, drought stress or excessive heat may not be adequately controlled or suppressed, and regrowth may occur. NC-0050 Herbicide may only be applied using ground spray equipment. For best results, ensure thorough spray coverage of target weeds.

NC-0050 Herbicide rapidly stops growth of susceptible weeds. However, typical symptoms (discoloration) of dying weeds may not be noticeable for 1 to 3 weeks after application, depending on growing conditions and weed susceptibility. Degree of control and duration of effect depend on weed sensitivity, weed size, spray coverage and growing conditions. Activity of the herbicide mixture may be delayed by cold, dry conditions after application.

USE PRECAUTIONS:

Do not apply to irrigated land where tail water will be used to irrigate other cropland.

Do not contaminate irrigation water.

Do not remove soil from treated fields for use on lawns, in gardens or for backfill.

Do not use on highly variable soils that have large gravelly or sandy areas, eroded knolls or calcium deposits.

NC-0050 Herbicide applied pre-seed to fields that are stressed by severe conditions such as drought, low fertility, saline soils, waterlogged soils (soils at or near field capacity), disease or insect damage may result in crop injury. Drought, disease or insect damage following application may also result in crop injury, grade or yield loss.

Heavy rainfall soon after application may result in visual crop injury or possible yield reduction. Conditions such as thin crop stand, sandy soil or low soil organic matter may increase the severity of injury.

OVERSPRAY OR DRIFT TO IMPORTANT WILDLIFE HABITATS SUCH AS SHELTERBELTS, WETLANDS, SLOUGHS OR DRY SLOUGH BORDERS, OR WOODLOTS, SHOULD BE AVOIDED. Observe buffer zones specified under DIRECTIONS FOR USE

Control of weeds growing in wheel tracks may be reduced if NC-0050 Herbicide is applied under dry, dusty conditions.

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 FMC at 1-833-362-7722 for information before mixing any pesticide or fertilizer that is not specifically recommended on this label. The user assumes the risk of losses that result from the use of tank mixes that do not appear on this label or that are not specifically recommended by FMC.

RECROPPING INTERVALS:

Fields treated with NC-0050 Herbicide may be seeded to spring wheat (including durum), winter wheat, spring barley, oats, canary seed or pulse crops (including dry bean, faba bean, field pea, lupin and soybean), alfalfa, red clover or alsike clover, smooth brome grass, meadow brome grass, timothy and creeping red fescue a minimum of 24 hours after application.

Fields treated with NC-0050 Herbicide may be seeded to canola and flax 60 days after application. Any crop can be seeded in the year following a spring application.

Fields treated with a post-harvest application of NC-0050 Herbicide in the fall may be seeded in the spring to spring wheat (including durum), spring barley, oats, field corn, canary seed or pulse crops (including chickpea, dry bean, faba bean, field pea, lentil, lupin and soybean), canola, flax, alfalfa, red clover or alsike clover, smooth brome grass, meadow brome grass, timothy and creeping red fescue or fields may be summer fallowed.

DIRECTIONS FOR USE:

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) medium classification. Boom height must be 60 cm or less above the crop or ground.

DO NOT apply by air.

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, rangelands, riparian areas and shrub lands), sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands) and estuarine/marine habitats.

Method of Application	Crop	Buffer Zones (metres) Required for the Protection of:		
		Aquatic Habitats of Depths:		Terrestrial Habitats
		Less than 1 m	Greater than 1 m	
Field	Fallow, post-harvest	0	0	3

sprayer*	and fields to be planted to wheat (spring, winter and durum), spring barley, oats, canary seed, pulse crops (including dry beans, fababeans, field pea, lupin and soybean), smooth brome grass, meadow brome grass, timothy, and creeping red fescue grown for forage and seed production and pasture and rangeland.			
----------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--	--	--

* For field sprayer application, buffer zones can be reduced with the use of drift reducing spray shields. When using a spray boom fitted with a full shield (shroud, curtain) that extends to the crop canopy, the labelled buffer zone can be reduced by 70%. When using a spray boom where individual nozzles are fitted with cone-shaped shields that are no more than 30 cm above the crop canopy, the labelled buffer zone can be reduced by 30%.

NOTE: Applicators may recalculate a site-specific buffer zone by combining information on current weather conditions and spray configuration for the following applications: all airblast applications, and for field and aerial applications which specify the following droplet size category wording on the product label: 'DO NOT apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE) Medium classification.' To access the Buffer Zone Calculator, please visit the Pest Management Regulatory Agency web site.

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.

NC-0050 HERBICIDE plus 2,4-D ESTER

FOR CONTROL OF FLIXWEED AND STINKWEED (FALL ROSETTES AND SPRING SEEDLINGS) IN SUMMERFALLOW AND POST-HARVEST

With any summerfallow or post-harvest treatment, allow at least 10 days to elapse between treatment and tillage. Only weeds that have emerged at the time of application will be controlled.

Apply NC-0050 Herbicide at 15 g/ha with 2,4-D Ester at 420 g/ha (0.6 L 2,4-D Ester LV-700). Apply the tank mix in the spring after emergence, up to the early flowering stage of the target weeds. Only weeds that have emerged at the time of application will be controlled. This tank mixture will also control the broadleaf weeds controlled by 2,4-D Ester at 420 g/ha.

When using one of the herbicides containing the active ingredient tribenuron-methyl, follow the instructions on the label and restrict the total use of the active ingredient tribenuron-methyl to 15 grams per hectare per year.

NC-0050 HERBICIDE plus GLYPHOSATE

CONTROL OF BROADLEAF WEEDS AND GRASSES IN FALLOW, POST-HARVEST AND PRE-SEED TO SPRING WHEAT (INCLUDING DURUM), WINTER WHEAT, SPRING BARLEY, OATS, CANARY SEED AND PULSE CROPS (INCLUDING, DRY BEAN, FABABEAN, FIELD PEA, LUPIN AND SOYBEAN)

With any summerfallow or post-harvest treatment, allow at least 10 days to elapse between treatment and tillage. Only weeds emerged at time of application will be controlled.

Fields treated with NC-0050 Herbicide can be seeded to spring wheat (including durum), winter wheat, spring barley, oats, canary seed or pulse crops (including dry bean, faba bean, field pea, lupin and soybean), alfalfa, red clover or alsike clover, smooth brome grass, meadow brome grass, timothy or creeping red fescue, a minimum of 24 hours after application.

For pre-seed applications in the spring, injury to pulse crops may occur on coarse-textured soils, low in organic matter (less than 3%), or in fields with variable soils, gravelly areas, sandy areas or eroded knolls. Avoid planting pulse crops in soils containing more than 50% sand.

Apply NC-0050 Herbicide at 15 grams per hectare, tank mixed with glyphosate (present as potassium salt, isopropylamine salt, ammonium salt) in a total spray volume of 55-110 L/ha.

Use a maximum of 30 grams of NC-0050 Herbicide per hectare per year.

Companion Herbicide	Application Rate (grams acid equivalent per hectare)	Application Stage	Weeds Controlled	Weeds Suppressed *
---------------------	------------------------------------------------------	-------------------	------------------	--------------------

glyphosate (present as potassium salt, isopropylamine salt, ammonium salt)	450 g ae/ha	Up to 8 cm	Canada fleabane, common ragweed, narrow leaved hawk's beard	Scentless chamomile
		Up to 15 cm	dandelion, downy brome, flixweed, giant foxtail, green foxtail, hemp nettle, kochia, lady's thumb, lamb's-quarters, Persian darnel, redroot pigweed, Russian thistle, stinkweed, volunteer barley, volunteer canola (including glyphosate-tolerant varieties), volunteer flax, volunteer wheat, wild mustard, wild oats	
		Up to 3- leaf	Cow cockle, wild buckwheat	
		Up to 8- leaf	Common chickweed	
		Rosette		
glyphosate (present as potassium salt, isopropylamine salt, or ammonium salt)	810 g ae/ha	Weeds up to 15 cm in height	All annual grasses listed above plus crab grass (large and smooth) and annual blue grass. All annual broadleaved weeds listed above plus prickly lettuce, shepherd's purse, annual sow thistle, and narrow-leaved vetch	

* Weed suppression is a visual reduction in weed competition (reduced population or vigour) as compared

to an untreated area. Degree of suppression will vary with size of weed and environmental conditions prior to and following treatment.

Consult the labels of the glyphosate products to be used as tankmix partners with NC-0050 Herbicide for specific instructions of "Directions for Use" and restrictions.

NC-0050 HERBICIDE plus GLYPHOSATE plus AIM® EC HERBICIDE

FOR CONTROL OF BROADLEAF WEEDS AND GRASSES IN FALLOW AND PRE-SEED TO SPRING WHEAT (INCLUDING DURUM), WINTER WHEAT, SPRING BARLEY, OATS, AND PULSE CROPS (INCLUDING DRY BEAN, FABABEAN, FIELD PEA, LUPIN AND SOYBEAN)

With any summerfallow treatment, allow at least 10 days to elapse between treatment and tillage. Only weeds emerged at time of application will be controlled.

Fields treated with this tank mix can be seeded to spring wheat (including durum), winter wheat, spring barley, oats or pulse crops (including dry bean, faba bean, field pea, lupin and soybean) a minimum of 24 hours after application.

For pre-seed applications in the spring, injury to pulse crops may occur on coarse-textured soils, low in organic matter (less than 3%), or in fields with variable soils, gravely areas, sandy areas or eroded knolls. Avoid planting pulse crops in soils containing more than 50% sand.

Apply NC-0050 Herbicide at 15 g/ha, tank mixed with glyphosate (present as potassium salt, isopropylamine salt, ammonium salt) at 450-810 g ae/ha plus AIM® EC Herbicide at 36.5 - 117 ml/ha in a total spray volume of 100 L/ha. This tank mix will control all the weeds listed for control by the NC-0050 Herbicide + Glyphosate tank mix, plus the weeds listed below.

Herbicide Tank Mix Partner	Rate	Additional weeds controlled (up to 10 cm in height, or as specified)
Aim® EC Herbicide	36.5 mL/ha	Morning glory (up to 3 leaves) Nightshade, Eastern black Velvetleaf Waterhemp, tall (up to 5 cm tall)
Aim® EC Herbicide	58 mL/ha	All weeds controlled at 36.5 mL/ha plus: Mallow, round-leaved Morning glory Nightshade, hairy Pigweed, prostrate Pigweed, smooth Pigweed, tumble Purslane, common Smartweed, Pennsylvania (seedling) Mustard, tansy Waterhemp, tall Waterhemp, common
Aim® EC Herbicide	73 mL/ha	All weeds controlled at 58 mL/ha plus:

		Carpetweed Cleavers Cocklebur Kochia (including Group 2 and Group 9 resistant biotypes) Jimsonweed Nightshade, Eastern black Shepherd's purse
Aim® EC Herbicide	117 mL/ha	All the weeds controlled at 73 mL ha plus: Burclover Lettuce, prickly Mallow, Venice (up to 5 cm tall) Spurry, corn

Consult all the labels of the products to be used as tank mix partners with NC-0050 Herbicide for specific instructions of "Directions for Use" and restrictions.

NC-0050 HERBICIDE plus GLYPHOSATE plus AUTHORITY® 480 HERBICIDE

FOR CONTROL OF BROADLEAF WEEDS AND GRASSES PRE-SEED TO FABABEAN, FIELD PEA AND SOYBEAN

Fields treated with this tank mix can be seeded to faba bean, field pea or soybean a minimum of 24 hours after application.

Apply NC-0050 Herbicide at 15 g/ha, tank mixed with glyphosate (present as potassium salt, isopropylamine salt, ammonium salt) at 450-810 g ae/ha plus AUTHORITY® 480 Herbicide at 219-292 mL/ha in a total spray volume of 100 L/ha. This tank mix will control all the weeds listed for control by the NC-0050 Herbicide + Glyphosate tank mix, plus the weeds listed below.

This tank mix can only be applied every other year. The twelve-month period is considered to begin when the initial application of this tank mix is applied.

Herbicide Tank Mix Partner	Rate	Additional weeds controlled
Authority® 480 Herbicide	219 mL/ha	Kochia (including Group 2 and Group 9 resistant biotypes)
Authority® 480 Herbicide	292 mL/ha	Cleavers (suppression) Common groundsel Common purslane Eastern black nightshade Kochia (including Group 2 and Group 9 resistant biotypes) Powell pigweed Smooth crabgrass Large crabgrass Waterhemp, common Yellow woodsorrel

For pre-seed applications in the spring, injury to pulse crops may occur on coarse-textured soils, low in organic matter (less than 3%), or in fields with variable soils, gravelly areas, sandy areas or eroded knolls. Avoid planting pulse crops in soils containing more than 50% sand.

Do not use on soils with less than 3% organic matter.
 Use the higher rates within the Authority® 480 Herbicide rate range for soils with pH less than 7.0.
 Do not apply to soils classified as coarse-textured soils.
 Do not apply in any type of soils with an organic matter content greater than 6%.
 Do not use on soils with a pH of 7.8 or greater.

AUTHORITY® 480 Herbicide is a selective soil-applied herbicide for the control of susceptible weeds. Adequate moisture of at least 18 mm is required within 14 days after application for optimal control. If adequate rainfall is not received in a timely fashion, irrigate with a minimum of 18 mm of water. When activating moisture is delayed, a reduced level of weed control may occur.

Consult all the labels of the products to be used as tank mix partners with NC-0050 Herbicide for specific instructions of “Directions for Use” and restrictions.

NC-0050 HERBICIDE plus GLYPHOSATE plus AUTHORITY® 480 HERBICIDE

FOR CONTROL OF BROADLEAF WEEDS, INCLUDING GROUP 2 AND GROUP 9 RESISTANT KOCHIA, AND GRASSES PRESEED TO WHEAT (SPRING AND DURUM)

Fields treated with this tank mix can be seeded to wheat (spring or durum) a minimum of 24 hours after application.

Apply NC-0050 Herbicide at 15 g/ha, tank mixed with glyphosate (present as potassium salt, isopropylamine salt, ammonium salt) at 450 – 810 g ae/ha plus AUTHORITY® 480 Herbicide at 219 mL/ha in a total spray volume of 100 L/ha.

This tank mix can only be applied every other year. The twelve-month period is considered to begin when the initial application of this tank mix is applied.

This tank mix will control all the weeds listed for control by the NC-0050 Herbicide + Glyphosate tank mix, plus the weeds listed below.

Herbicide Tank Mix Partner	Rate	Additional weeds controlled
Authority® 480 Herbicide	219 mL/ha	Kochia (including Group 2 and Group 9 resistant biotypes)

Do not apply to soils classified as coarse-textured soils.
 Do not apply in any type of soils with an organic matter content greater than 6%.
 Do not use on soils with a pH of 7.8 or greater.

AUTHORITY® 480 Herbicide is a selective soil-applied herbicide for the control of susceptible weeds. Adequate moisture of at least 18 mm is required within 14 days after application for optimal control. If adequate rainfall is not received in a timely fashion, irrigate with a minimum of 18 mm of water. When

activating moisture is delayed, a reduced level of weed control may occur.

Consult all the labels of the products to be used as tank mix partners with NC-0050 Herbicide for specific instructions of "Directions for Use" and restrictions.

PASTURE AND RANGELAND

For season-long control of broadleaf weeds in pasture and rangeland, apply NC-0050 Herbicide at either 15 or 30 grams per hectare with a non-ionic surfactant at 0.2% v/v (2 L per 1000 L of water) to broadleaf weeds in the early bud to pre-bloom stage using a minimum spray volume of 55 L/hectare. Use a maximum of 30 grams of NC-0050 Herbicide per hectare per year.

WEEDS:

Rates (grams per hectare)	Season long control
15	Tall buttercup and narrow-leaved hawks beard
30	Dandelion, white cockle, and common tansy

NOTE: Livestock may graze without restriction following treatment.

MINOR USES

ALFALFA, RED CLOVER AND ALSIKE CLOVER GROWN FOR SEED OR FORAGE PRODUCTION

NOTE TO USER: READ THE FOLLOWING BEFORE USING THIS PRODUCT FOR SPECIAL USE APPLICATIONS:

The DIRECTIONS FOR USE for this product for the uses described below were developed by persons other than FMC and accepted for registration by Health Canada under the User Requested Minor Use Label Expansion Program. FMC itself makes no representation or warranty with respect to product performance (efficacy) and crop tolerance (phytotoxicity) of this product when used on the crops listed below. Accordingly, the Buyer and User assume all risks related to performance and crop tolerance arising, and agree to hold FMC harmless from any claims based on efficacy or phytotoxicity in connection with the uses described below.

FOR PRE-SEED APPLICATION TO ALFALFA, RED CLOVER AND ALSIKE CLOVER GROWN FOR SEED OR FORAGE PRODUCTION:

Apply NC-0050 Herbicide at 15 g/ha tank mixed with 450 g ae/ha glyphosate (present as potassium salt, isopropylamine salt, ammonium salt) in a total spray volume of 55-110 L/ha. Only weeds emerged at time of application will be controlled. Alfalfa, red clover or alsike clove may be planted 24 hours after application.

Injury to these crops may occur on coarse-textured soils, low in organic matter (less than 3%), or in fields with variable soils, gravelly areas, sandy areas or eroded knolls. Avoid planting these crops in soils containing more than 50% sand.

Refer to the appropriate sections of the NC-0050 Herbicide label for a complete list of weeds controlled, weed stage at application, as well as additional application and/or use precaution instructions, and/or mixing instructions.

SMOOTH BROMEGRASS, MEADOW BROMEGRASS, TIMOTHY AND CREEPING RED FESCUE GROWN FOR FORAGE AND SEED PRODUCTION

FOR PRE-SEED APPLICATION TO SMOOTH BROMEGRASS, MEADOW BROMEGRASS, TIMOTHY, AND CREEPING RED FESCUE GROWN FOR FORAGE AND SEED PRODUCTION:

Apply NC-0050 Herbicide at 15 grams per hectare, tank mixed with glyphosate (present as potassium salt, isopropylamine salt, ammonium salt) in a total spray volume of 55-110 L/ha. Only weeds emerged at time of application will be controlled. Smooth brome grass, meadow brome grass, timothy or and creeping red fescue may be planted 24 hours after application.

Injury to these crops may occur on coarse-textured soils, low in organic matter (less than 3%), or in fields with variable soils, gravelly areas, sandy areas or eroded knolls. Avoid planting these crops in soils containing more than 50% sand.

Refer to the appropriate sections of the NC-0050 Herbicide label for a complete list of weeds controlled, weed stage at application, as well as additional application and/or use precaution instructions, and/or mixing instructions.

MIXING INSTRUCTIONS

1. Always start with a clean and empty sprayer tank.
2. Fill the tank 1/3 to 1/2 full of clean water.
3. With the agitator running, add the required amount of NC-0050 Herbicide. Continue to agitate for a minimum of 5 minutes to ensure that NC-0050 Herbicide is completely dissolved.
4. Make sure there are no un-dissolved granules, and then add the required amount of the tank mix partner.
5. If the tank mix partner is an Emulsifiable Concentrate (EC), reduce agitation to avoid inducing an invert emulsion. Once dissolved, NC-0050 Herbicide will remain in solution.
6. Add the rest of the water. Use a minimum spray volume of 55 L/ha. For tank mixes, consult the label of the tank mix partner for recommended spray volume.
7. If required for the tank mixture, add surfactant. If an antifoam agent is required, add last.
8. Refer to the section Specific Tank Mix Directions for mixing order and other mixing instructions.
9. For repeat tank loads, reduce the material remaining in the tank to 10% of the original volume or less before proceeding with step 1, because remaining chemicals may prevent NC-0050

Herbicide granules from completely dissolving. If this is not possible, pre-slurry NC-0050 Herbicide in a small amount (5-10 L) of water before adding to the tank.

Once dissolved, NC-0050 Herbicide will not settle out, even if the sprayer is parked for long periods of time. Spray preparation should be used within 24 hours or product degradation may occur.

SPECIAL MIXING INSTRUCTIONS FOR CHEMICAL HANDLERS (INDUCTION DEVICES FOR CLOSED SYSTEM LOADING OF SPRAYERS)

1. Ensure the chemical handler is clean (rinsed with ammonia).
2. For best results, add NC-0050 Herbicide to the top of the tank.
3. If a chemical handler is used, make sure that all of the granules of NC-0050 Herbicide are completely dissolved and injected into the main tank with agitation before adding other chemicals.
4. Low water volumes in some chemical handlers can cause the water to become saturated with NC-0050 Herbicide, leaving un-dissolved granules. In that case, rinse the chemical handler with clean water before adding any other chemical.
5. Always dissolve the NC-0050 Herbicide granules with agitation in the main tank before adding a tank mix partner.

NOTE: Follow the clean-out procedure recommended for sprayer tanks for the chemical handler.

SPECIFIC TANK MIX DIRECTIONS

NC-0050 Herbicide + 2,4-D Ester: once NC-0050 Herbicide is completely dissolved, add the required amount of 2,4-D Ester with reduced agitation. Do not add a surfactant.

NC-0050 Herbicide + glyphosate (present as potassium salt, isopropylamine salt, ammonium salt): once NC-0050 Herbicide is completely dissolved, add the required amount of glyphosate (present as potassium salt, isopropylamine salt, ammonium salt) while maintaining agitation. Once components are completely mixed, if required, add Agral* 90 at 3.5 L per 1000 L of spray solution (0.35% v/v).

EQUIPMENT-SPRAY VOLUMES

Apply the spray mixture uniformly with properly calibrated ground equipment only. Ensure thorough coverage and a uniform spray pattern. Flat fan nozzles are recommended (minimum 55 litres spray volume per hectare). Use 50 mesh filter screens or larger (metal or nylon).

Once NC-0050 Herbicide is in solution, it will not settle out. Apply uniformly and avoid overlapping. Shut off spray boom while starting, turning, slowing or stopping to prevent crop injury from over application.

Reduce drift with high water volume, low pressure, coarse sprays and drop nozzles. Do not apply with more than 275 kPa spray pressure.

DO NOT APPLY BY AIR.

SPRAYER CLEANOUT

To avoid subsequent injury to crops other than wheat, spring barley or oats, immediately after spraying and prior to spraying other crops, thoroughly remove all traces of NC-0050 Herbicide from mixing and spray equipment as follows:

1. Drain tank and flush tank, boom and hoses with clean water.
2. Visually inspect tank to ensure removal of all visible herbicide residues. If necessary, repeat Step 1.
3. Fill the tank with clean water, and then add 1 litre household AMMONIA (containing minimum of 3% ammonia) or equivalent amount of a sprayer tank cleaner containing ammonia, per 100 litres of water.
4. Flush solution through boom and hoses, and then add more water to completely fill tank. Allow to sit for 15 minutes with agitation.
5. Drain the tank.
6. Remove the nozzles, screens, and boom end caps and clean separately in a bucket containing ammonia cleaning agent and water.
7. Thoroughly rinse the tank with clean water for a minimum of 5 minutes, flushing water through the hoses and boom.

NOTE: When using a chemical handler, follow the above cleanout procedure for this piece of equipment.

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

RESISTANCE-MANAGEMENT RECOMMENDATIONS

For resistance management, NC-0050 Herbicide is a Group 2 herbicide. Any weed population may contain or develop plants naturally resistant to NC-0050 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 NC-0050 Herbicide or other Group 2 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 your local FMC representative or the FMC hotline at 1 833-362-7722 for further information

STORAGE AND DISPOSAL

STORAGE:

Store products in original containers only, away from fertilizer, seeds, food or feed.

Not for use or storage in or around the home. Keep container closed.

DISPOSAL:

If this is a non-reusable container:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Follow provincial instructions for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements

If this is a refillable container:

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.

If this is a returnable container:

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

For all package types:

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.

®/™ AIM and AUTHORITY are trademarks of FMC Corporation or an affiliate.

*All other products mentioned are trademarks of their respective manufacturers.