

GROUP 14 15 HERBICIDE

FOCUS®

Herbicide

COMMERCIAL (AGRICULTURAL)

Suspension Emulsion (SE) for selective weed control

For burn-off and extended weed control in field corn, soybeans, wheat (winter and spring, excluding durum) lentils, field peas and sunflower.

ACTIVE INGREDIENT:

Pyroxasulfone.....447 g/L
Carfentrazone-ethyl.....53 g/L

Contains 5-chloro-2-methyl-4-isothiazolin-3-one at 0.0016% and 2-methyl-4-isothiazolin-3-one at 0.00052% as a preservative.

READ THE LABEL AND ATTACHED BOOKLET BEFORE USING

KEEP OUT OF REACH OF CHILDREN

REGISTRATION NO. **32292**
PEST CONTROL PRODUCTS ACT

NET CONTENTS: 1 - 1000 L

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

IN CASE OF EMERGENCY, CALL 1-800-331-3148 (24 HOURS)

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 Product Act* to use this product in a way that is inconsistent with the directions on the label.

FIRST AID

If Swallowed

Call a poison control centre or doctor immediately for treatment advice. Do not give **any** liquid to the person. 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.

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

You may also contact **1-800-331-3148** for emergency medical treatment information.

TOXICOLOGICAL INFORMATION

Treat symptomatically. Contains petroleum distillate – vomiting may cause aspiration pneumonia.

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN.

Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

Apply only when the potential for drift to areas of human habitation or 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.

DO NOT apply using aerial application equipment.

Personal Protective Equipment (PPE)

Follow mixer/loader and applicator scenario, as appropriate in the chart below.

Equipment	Personal Protective Equipment	
	Mixer/Loader/ Cleanup and Repair	Applicator
Groundboom	Long-sleeved shirt and long pants, chemical-resistant footwear, plus socks and chemical-resistant gloves	Coveralls over long-sleeved shirt and long pants, shoes plus socks Apply in a closed cab tractor*

* A closed cab is a chemical resistant barrier that completely surrounds the occupant of the cab and prevents contact with the pesticide or treated surfaces outside the cab.

Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions exist for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Restricted Entry Interval

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

ENVIRONMENTAL PRECAUTIONS

Toxic to non-target terrestrial plants. This product contains active ingredients and aromatic petroleum distillates which are toxic to aquatic organisms. Observe buffer zones specified under DIRECTIONS FOR USE.

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.

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 container in cool, dry, well-ventilated location. STORE ABOVE 5°C TO KEEP PRODUCT FROM FREEZING. If frozen, thaw before use. If solid crystals are observed, warm material to above 15 °C by placing container in warm location. Shake or roll container periodically to redissolve solids.

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

DECONTAMINATION AND DISPOSAL

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.

For 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 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.

For 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.

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* A closed cab is a chemical resistant barrier that completely surrounds the occupant of the cab and prevents contact with the pesticide or treated surfaces outside the cab.

Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions exist for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

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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 container in cool, dry, well-ventilated location. STORE ABOVE 5°C TO KEEP PRODUCT FROM FREEZING. If frozen, thaw before use. If solid crystals are observed, warm material to above 15 °C by placing container in warm location. Shake or roll container periodically to redissolve solids.

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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.

IN CASE OF EMERGENCY, CALL 1-800-331-3148 (24 HOURS)

GENERAL INFORMATION

FOCUS[®] Herbicide is a selective pre-plant/pre-emergence herbicide for burn-off of broadleaf weeds and for extended control of annual grasses and annual broadleaf weeds in spring wheat (excluding durum), winter wheat, field corn, soybeans, lentils, field peas and sunflowers. FOCUS[®] Herbicide is formulated as a suspension emulsion containing a total of 500 grams of the active ingredients pyroxasulfone and carfentrazone-ethyl, per litre, intended for dilution in water for application.

Observe all instructions, mixing directions, precautions and other label information of FOCUS[®] Herbicide.

DIRECTIONS FOR USE

General Application Instructions

FOCUS[®] Herbicide may be applied as a pre-plant or pre-emergence surface application. See below for the proper rates of application.

For extended control of weeds, all soil applications of FOCUS[®] Herbicide require adequate rainfall for herbicidal activation. Dry weather following applications of FOCUS[®] Herbicide may reduce effectiveness. FOCUS[®] Herbicide may not control weeds that germinate after application but before an activating rainfall /irrigation, or weeds that germinate through cracks resulting from dry soil. However, when adequate moisture is received after dry conditions, FOCUS[®] Herbicide may provide a reduced level of control of susceptible germinating weeds. When adequate moisture is not received after FOCUS[®] Herbicide application, weed control may be improved by irrigation (**DO NOT** use flood irrigation).

Excessive rainfall, irrigation, or prolonged wet soil conditions after application of FOCUS[®] Herbicide from seed germination through seedling emergence may increase the risk of seedling injury, especially with shallow seeded crops.

Before applying, verification of FOCUS[®] Herbicide selectivity on your crop variety must be confirmed to avoid injury to sensitive varieties. If variety tolerance is unknown apply FOCUS[®] Herbicide on a small area to confirm variety safety before use on large scale.

As this product is not registered for the control of pests in aquatic systems, **DO NOT** use to control aquatic pests.

DO NOT apply using aerial application equipment.

Fall Application

FOCUS[®] Herbicide may be applied with glyphosate in the fall to control labelled emerged weeds. A fall application of FOCUS[®] Herbicide will also provide early season control or suppression of labelled weeds the following spring. FOCUS[®] Herbicide should be applied to the stubble or soil surface and allow moisture from rainfall or snow to move the product into the soil. Do not mechanically incorporate in the fall or spring as this can destroy the herbicide barrier and allow weeds to escape. Do not apply to frozen soils or existing snow cover to prevent FOCUS[®] Herbicide runoff. **When using FOCUS[®] Herbicide in the fall use a residual treatment rate for the appropriate soil type and organic matter.**

General Use Restrictions

DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

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

DO NOT use on peat or muck soils and soils with 7% or more organic matter content.

DO NOT use on soils with a pH greater than 7.8.

DO NOT apply to soils classified as sand containing less than 1% organic matter.

DO NOT apply through any type of irrigation system.

DO NOT apply FOCUS[®] Herbicide or FOCUS[®] Herbicide tank mixtures when environmental

conditions may result in drift to non- target sites. Drift of this product may be harmful to non-target plants near the treatment area.

DO NOT apply AUTHORITY® SUPREME Herbicide (or any other product containing pyroxasulfone) in the spring to fields that were treated with applications of FOCUS® Herbicide (or any other product containing pyroxasulfone) during the previous fall.

Buffer zones

Spot treatments using hand-held equipment do not require a buffer zone.

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), sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands).

Method of application	Buffer Zones (metres) Required for the Protection of:		
	Freshwater Habitat of Depths:		Terrestrial habitat
	Less than 1 m	Greater than 1 m	
Field sprayer	5	3	5

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 (ASAE) category indicated on the labels for those tank mix partners.

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) [Fine or Medium or Coarse] classification.’ To access the Buffer Zone Calculator, please visit the Pest Management Regulatory Agency web site.

Application Rates

Extended Control (Pre-emergence to the weeds)

FOCUS® Herbicide can be applied as a Setup or Residual Control treatment.

The Setup Treatment rate can be used to remove early weed competition to allow for good crop establishment. An in-crop application of another herbicide may be required subsequently to control weeds emerging after the time of treatment. This rate can be used on all soil types.

The Residual Treatment rates provide extended control of weeds and are dependent on soil characteristics. It is important to follow the rate structure outlined in the following table to avoid undesired crop effects.

Application method and timing	Rate (ml/ha) of FOCUS® Herbicide
Setup Treatment	224 ml/ha (early season control only; all textures)

Application method and timing	Rate (ml/ha) of FOCUS® Herbicide
(pre-plant or pre-emergence)	
Residual Treatment (pre-plant or pre-emergence)	280 ml/ha (coarse/medium texture, O.M. 1 – 3%) 336 ml/ha (medium-fine/fine texture, O.M. > 3 - 7%)

Soil Texture

Unless a specific soil texture is mentioned, the rate table refers to the table below for soil texture groups: coarse, medium, medium-fine and fine. This includes a complete listing of soil textures included in each of the soil texture groupings.

Coarse	Medium	Medium-Fine	Fine
Sand	Loam	Sandy clay loam	Silty clay
Loamy sand	Silt loam	Sandy clay	Clay loam
Sandy loam	Silt	Silty clay loam	Clay

Weeds Controlled - Extended Control (Pre-emergence to the weeds)

FOCUS® Herbicide will provide extended control of the following weeds that have not emerged from the soil at the time of treatment.

Annual Grasses Controlled

Annual bluegrass
 Barnyard grass
 Downy brome
 Foxtail, green
 Foxtail, yellow
 Italian ryegrass
 Japanese brome
 Large crabgrass

Annual Broadleaf Weeds Controlled

Cleavers
 Common waterhemp
 Eastern black nightshade
 Green pigweed
 Redroot pigweed
 Velvet leaf
 Wormseed mustard

Annual Grasses Suppressed

Foxtail barley
 Foxtail, giant
 Wild oats

Annual Broadleaf Weeds Suppressed

Kochia
 Lamb's quarters
 Stinkweed
 Wild buckwheat
 Wild mustard

The consistency and duration of weed control may be reduced on heavy soils and soils with higher organic matter content.

Burn-off Control

The rate of FOCUS® Herbicide applied should be based on the soil type of the area being treated for extended control. Each rate of FOCUS® Herbicide applied will provide control of a different spectrum of emerged weeds. The weeds emerged at the time of treatment that will be controlled by each rate of FOCUS® are outlined in the following table. When used as directed, FOCUS®

Herbicide will provide control of the listed weeds up to ten (10) cm in height, or as specified.

Weeds Controlled – Burn-off Control

Weeds Controlled	FOCUS® Herbicide Use Rate (mL/ha)
Lamb's-quarters, common (up to 7.5 cm tall); morning glory (up to 3 leaves); nightshade, black and Eastern black (up to 5 cm tall); pigweed, redroot; velvetleaf; waterhemp, tall and common (up to 5 cm tall)	224
All the weeds controlled at 224 mL/ha plus the following: flixweed; lamb's-quarters, common; mallow, round-leaved; morning glory; nightshade, hairy; pennycress, field (stinkweed); pigweed, prostrate, smooth and tumble; purslane, common; smartweed, Pennsylvania (seedling); mustard, tansy; waterhemp, tall and common	280
All the weeds controlled at 280 mL/ha plus the following: carpetweed; cleavers; cocklebur; jimsonweed; kochia; nightshade, black and Eastern black; thistle, Russian (up to 5 cm tall); shepherd's purse; canola, volunteer, including glyphosate-tolerant	336

For burn-off control of emerged weeds, the addition of an adjuvant is required. Use a non-ionic surfactant (NIS) at 0.25% v/v (0.25 L per 100 L of spray solution) or use Merge at 1% v/v.

Mixing and Spraying Instructions

FOCUS® Herbicide is a suspension emulsion intended for dilution with water. Use a minimum spray volume of 100 litres of solution per hectare and a spray pressure of 200-275 kPa.

Keep bypass line on or near bottom of tank to minimize foaming.

FOCUS® Herbicide can be mixed with one or more herbicide products, provided that the tank mix product labels do not prohibit such mixing. Follow the most restrictive label for all products used. Refer to the Crop-Specific Information section to determine which tank mix products can be applied to specific crops. Physical incompatibility, reduced weed control, or crop injury may result from mixing FOCUS® Herbicide with other pesticides, additives, or fertilizers.

Spray Tank Preparation

It is important that spray equipment is clean and free of existing pesticide deposits before using this product. Follow the spray tank clean out procedures specified on the label of product previously applied before adding FOCUS® Herbicide to the tank.

Mixing and Loading Instructions

For best results, fill spray tank with one half of the volume of clean water needed for the area to be treated. Start the agitation system. Slowly add the FOCUS® Herbicide to the spray tank. Complete filling the spray tank to the desired level. Continuous spray tank agitation is required at all times to maintain a uniform spray solution. Make sure FOCUS® Herbicide is thoroughly mixed before application.

Use the FOCUS® Herbicide mixture immediately after mixing.

Tank Mixtures: Fill spray tank one-half to two-thirds full of water. With agitator operating add the recommended amount of ingredients using the following order:

- **Wettable powders and dispersible granules**
- **Agitate tank mix thoroughly**
- **Micro-encapsulated suspensions**
- **Liquid flowables and suspensions**
- **Emulsifiable concentrate formulations**
 - Fill spray tank nearly full of water
- **Glyphosate formulations**
- **Surfactants**
 - Complete filling the spray tank to the desired level

Maintain constant agitation during application.

Do not store the sprayer overnight or for any extended period of time with the spray mixture remaining in the tank.

Sprayer Equipment Clean-Out

After spraying FOCUS® Herbicide and before using sprayer equipment for any other applications, the sprayer must be thoroughly cleaned using the following procedure:

1. Drain sprayer tank, hoses, and spray boom. Use a high-pressure detergent wash to remove physical sediment and residues from the inside of the sprayer tank and thoroughly rinse. Then thoroughly flush all sprayer hoses, booms, and nozzles with clean water.
2. Prepare a sprayer cleaning solution by adding three litres of ammonia (containing at least 3% active) per 100 litres of clean water. Prepare sufficient cleaning solution to allow the operation of the spray system for a minimum of 15 minutes to thoroughly flush hoses, spray boom and spray nozzles.
3. Convenient and thorough cleaning of the sprayer can be achieved if the ammonia solution or fresh water is left in the spray tank, hoses, spray booms and spray nozzles overnight or during storage.
4. Drain the sprayer system. Rinse the tank with clean water and flush through the hoses, boom, and nozzles. Remove and clean spray tips and all strainers and screens separately in an ammonia solution.
5. Properly dispose of all cleaning solution and rinsate in accordance with provincial guidelines and regulations.

Do not drain or flush equipment on or near desirable trees or plants.

Do not contaminate any body of water including irrigation water that may be used on other plants or crops.

Crop Specific Use Rates and Information:

Spring and winter wheat (excluding durum)

FOCUS[®] Herbicide can be applied pre-plant or pre-emergence up to three days after planting for weed control in both spring and winter wheat (excluding durum). FOCUS[®] Herbicide may result in wheat injury, but final grain yield should not be negatively impacted.

Refer to the “Application Rates” section of this label for the use rates of FOCUS[®] Herbicide for each soil type.

Before applying to wheat, verification of FOCUS[®] Herbicide selectivity on wheat varieties must be confirmed with your local seed company or supplier to avoid potential injury to sensitive varieties. FOCUS[®] Herbicide should be applied to a uniform seedbed which is firm and free of clods. Crop seeds must be planted a minimum of 2.5 cm deep. **DO NOT** apply FOCUS[®] Herbicide if the crop has emerged.

Crop Specific Restrictions and Limitations

DO NOT apply to durum wheat.

DO NOT make more than one application per season.

DO NOT allow livestock to graze or feed on wheat grain, forage, hay or straw less than 42 days after the application.

DO NOT follow a fall application of FOCUS[®] Herbicide (or any other product containing pyroxasulfone) with a spring application of AUTHORITY[®] 480 Herbicide (or any other product containing sulfentrazone) to fields where spring wheat will be planted.

Field corn

FOCUS[®] Herbicide can be applied pre-plant or pre-emergence up to three days after planting. Before applying to corn, verification of FOCUS[®] Herbicide selectivity on your inbred line or hybrid line must be confirmed with your local seed company or supplier to avoid potential injury to sensitive inbreds or hybrids. Crop seeds must be planted a minimum of 2.5 cm deep. **DO NOT** apply FOCUS[®] Herbicide if the crop has emerged.

Refer to the “Application Rates” section of this label for the use rates of FOCUS[®] Herbicide for each soil type.

Crop Specific Restrictions and Limitations

DO NOT make more than one application per season.

A shallow incorporation may be used but even distribution of the product must be maintained or weed control may be reduced.

Soybeans

FOCUS[®] Herbicide can be applied pre-plant or pre-emergence up to three days after planting. Before applying to soybean, verification of FOCUS[®] Herbicide selectivity on soybean varieties must be confirmed with your local seed company or supplier to avoid potential injury to sensitive varieties. Crop seeds must be planted a minimum of 4 cm deep. **DO NOT** apply FOCUS[®] Herbicide if the crop has emerged.

The use of FOCUS® Herbicide may result in temporary growth suppression if extreme conditions of high rainfall and extended periods of water-saturated soil occur during soybean germination or early seedling development. These suppressions have not resulted in reduced soybean yield potential.

Refer to the “Application Rates” section of this label for the use rates of FOCUS® Herbicide for each soil type.

Crop Specific Restrictions and Limitations

DO NOT make more than one application per season.

Lentils and Field Peas

FOCUS® Herbicide can be applied pre-plant or pre-emergence up to three days after planting. Before applying to lentils or field peas, verification of FOCUS® Herbicide selectivity on varieties must be confirmed with your local seed company or supplier to avoid potential injury to sensitive varieties. Crop seeds must be planted a minimum of 2.5 cm deep. **DO NOT** apply FOCUS® Herbicide if the crop has emerged.

Refer to the “Application Rates” section of this label for the use rates of FOCUS® Herbicide for each soil type.

Under certain conditions, FOCUS® Herbicide can affect crop growth. These conditions include high pH (7.5 and above), cool weather, prolonged and excessive moisture, seedling diseases, and any other conditions, including poor agronomic practices, that are unfavorable to vigorous crop growth. Such effects are often observed as stunting and discoloration. The duration of these effects is somewhat dependent on the duration of the adverse growing conditions. These effects lessen and generally diminish with the return to normal growing conditions.

Crop Specific Restrictions and Limitations

DO NOT make more than one application per season.

DO NOT apply products containing saflufenacil with, before or after application of FOCUS® Herbicide as crop injury may occur.

Sunflowers

FOCUS® Herbicide can be applied pre-plant or pre-emergence up to three days after planting. Before applying to seed sunflower, verify the selectivity of FOCUS® Herbicide on your inbred line or hybrid with your local seed company (supplier) to avoid potential injury. **DO NOT** apply FOCUS® Herbicide if the crop has emerged.

Refer to the “Application Rates” section of this label for the use rates of FOCUS® Herbicide for each soil type.

The use of FOCUS® Herbicide may result in temporary growth suppression if extreme conditions of high rainfall and extended periods of water-saturated soil occur during sunflower germination or early seedling development. These suppressions have not resulted in reduced sunflower yield potential.

Crop Specific Restrictions and Limitations

DO NOT make more than one application per season.

TANK MIXES

FOCUS® Herbicide plus Glyphosate

FOCUS® Herbicide may be tank mixed with glyphosate products at labeled rates for preplant or pre-emergent application to wheat (winter and spring, excluding durum), field corn, soybeans, lentils, field peas and sunflowers for burn-off control of emerged weeds at the time of application. **DO NOT** apply this tank mix if the crop has emerged.

An adjuvant is not required for this tank mix.

FOCUS® Herbicide plus AIM® EC Herbicide

To increase the spectrum of emerged weeds controlled by the 224 and 280 mL/ha rates, FOCUS® Herbicide can be tank mixed with AIM® EC Herbicide. The amount of AIM® EC Herbicide to add at application is dependent on the chosen rate of FOCUS® Herbicide and the target weed spectrum. Refer to the following table to determine the rate of AIM® EC Herbicide needed.

Rate of FOCUS® Herbicide	Rate of AIM® EC Herbicide	Weeds Controlled (up to 10 cm in height or as specified)
224 mL/ha	No additional AIM EC Herbicide needed	Lamb's-quarters, common (up to 7.5 cm tall); morning glory (up to 3 leaves); nightshade, black (up to 5 cm tall); nightshade, Eastern black (up to 5 cm tall); pigweed, redroot; velvetleaf; waterhemp, tall and common (up to 5 cm tall)
280 mL/ha		
224 mL/ha	8 mL/ha	All the weeds listed above plus the following: flixweed; lamb's-quarters, common; mallow, round-leaved; morning glory; nightshade, hairy; pennycress, field (stinkweed); pigweed, prostrate, smooth and tumble; purslane, common; smartweed, Pennsylvania (seedling); mustard, tansy; waterhemp, tall and common
280 mL/ha	No additional AIM EC Herbicide needed	
224 mL/ha	25 mL/ha	All the weeds listed above plus the following: carpetweed; cleavers; cocklebur; jimsonweed; kochia; nightshade, black and Eastern black; thistle, Russian (up to 5 cm tall); shepherd's purse; canola, volunteer, including glyphosate-tolerant
280 mL/ha	12.5 mL/ha	

When using this tank mix without the addition of glyphosate, the addition of an adjuvant is required. Use a non-ionic surfactant (NIS) at 0.25% v/v (0.25 L per 100 L of spray solution) or use Merge at 1% v/v.

FOCUS® Herbicide plus Aatrex® Liquid 480 Herbicide

FOCUS[®] Herbicide may be tank mixed with Aatrex[®] Liquid 480 Herbicide at rates of 2.1 to 3.1 L/ha for preplant or pre-emergent application to field corn.

FOCUS[®] Herbicide plus EXPRESS[®] SG Herbicide plus Glyphosate

This tank mix is intended for **pre-plant application only** to control broadleaf weeds and grasses in wheat (winter or spring, except durum), soybeans, and field peas. Fields treated with this tank mix can be seeded to wheat (winter or spring, excluding durum), soybeans, and field peas a minimum of 24 hours after application.

An adjuvant is not required for this tank mix.

For pre-seed application 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 FOCUS[®] Herbicide in tank mix with EXPRESS[®] SG Herbicide at 15 g/ha and glyphosate at 450 g ae/ha in a total spray volume of 100 L/ha. In addition to the weeds controlled or suppressed by FOCUS[®] Herbicide, this tank mix will control or suppress emerged weeds listed in the following table:

Tank Mix Partner	Application Rate	Application Stage	Weeds Controlled (emerged only)	Weeds Suppressed * (emerged only)
EXPRESS [®] SG Herbicide + glyphosate	15 g/ha + 450 g ae/ha	Up to 8 cm	Canada fleabane, common ragweed, narrow leaved hawk's beard	Scentless chamomile
		Up to 10 cm		Wild carrot
		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	Tufted vetch
		Up to 3-leaf	Cow cockle, wild buckwheat	
		Up to 8-leaf	Common chickweed	
		Rosette		Canada thistle White cockle

Tank Mix Partner	Application Rate	Application Stage	Weeds Controlled (emerged only)	Weeds Suppressed * (emerged only)
EXPRESS® SG Herbicide + Glyphosate	15 g/ha + 810 g ae/ha	Weeds up to 15 cm in height	All annual grasses listed above plus crab grass (large and smooth) and annual bluegrass. All annual broadleaf 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.

When applied as a tank-mix combination, read and observe all label directions, including rates, personal protective equipment, restrictions and precautions for each product used in the tank-mix. Always use in accordance with the most restrictive label restrictions and precautions of all tank mix partners.

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 of Canada Ltd. at 1-833-362-7722 for information before mixing any pesticide or fertilizer that is not specifically recommended on this label.

CROP ROTATIONAL RESTRICTIONS

The following table shows the minimum interval (in months) between the last treatment with FOCUS® Herbicide and the time that the indicated crops can be replanted in soil treated with FOCUS® Herbicide.

Rotational Crop Intervals for FOCUS® Herbicide

Rotational Crop	Replant Interval (Months)
Corn (field), field peas, lentils, soybean, sunflowers, wheat (spring and winter, except durum)	0
Chickpeas, flax, safflower, barley, canola, mustard, oats, durum wheat	12
Sugar beet	24

Do not make a second application of FOCUS® Herbicide in a 12-month period.

Conduct a field bioassay (a test strip grown to maturity) to confirm crop safety prior to seeding

any rotational crops other than those listed in the table above.

If there is a lack of adequate or normal soil moisture due to drought conditions following an application of FOCUS® Herbicide, the minimum rotational crop interval described above must be extended for one additional year and a representative bioassay of the field must be conducted with the potential rotational crop and adequate soil moisture to determine the crop sensitivity to FOCUS® Herbicide.

RESISTANCE MANAGEMENT

For resistance management FOCUS® Herbicide contains a Group 14 and Group 15 herbicide. Any weed population may contain or develop plants naturally resistant to FOCUS® Herbicide and other Group 14 or 15 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 FOCUS® Herbicide or other Group 14 and 15 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 FMC of Canada Ltd. representatives at <https://ag.fmc.com/ca/en>.

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