

2023-3426
2025-12-18

GROUP	1	HERBICIDE
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A12460 Herbicide

COMMERCIAL - AGRICULTURAL

Emulsifiable Concentrate

Postemergence Herbicide for Control of Grasses in Soybean

ACTIVE INGREDIENT:

Fluazifop-P-butyl and S-isomer..... 237 g/L

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

CAUTION



POISON

SKIN IRRITANT
POTENTIAL SKIN SENSITIZER

REGISTRATION NO. **35742**
PEST CONTROL PRODUCTS ACT

NET CONTENTS: **1 L to Bulk**

Syngenta Canada Inc.
140 Research Lane, Research Park
Guelph, ON N1G 4Z3
Telephone: 1-877-964-3682

Label

1.0 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.

2.0 FIRST AID

IN CASE OF POISONING, contact a physician or a poison control centre **IMMEDIATELY**. 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. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give **any** liquid to the person. Do not give anything by mouth to an unconscious person.

If on skin/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 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 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.

3.0 TOXICOLOGICAL INFORMATION

This product contains petroleum distillate. Vomiting may cause aspiration pneumonia. Treat symptomatically for ingestion and/or skin and eye contact.

4.0 PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN.

Harmful if swallowed. Harmful if inhaled. Avoid breathing sprays. May irritate the skin. Avoid contact with the skin. Failure to follow the directions may cause a health hazard.

May be harmful if absorbed through skin. Avoid contact with skin and clothing. Potential skin sensitizer.

All users must follow all handling precautions, use directions, and clean-up procedures noted on the label.

Be sure sprayer tank is clear of debris and all sprayer nozzles and screens are clean and clear of obstructions before loading the sprayer with A12460 Herbicide to eliminate contamination of clothing and skin by the need to clear blocked nozzles after spraying commences.

Avoid drift onto other crops and non-target areas. Corn, cereals and turf are highly susceptible to A12460 Herbicide.

DO NOT apply by air.

Seed only broadleaf crops listed in the rotational crop restriction section of this label if it is necessary to reseed a crop within 60 days of applying A12460 Herbicide .

Feeding/Grazing Restriction: DO NOT graze the treated crops or cut for hay.

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

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

If this pest control product is to be used on a commodity that may be exported to other countries in the world and you require information on acceptable residue levels in these countries, please contact Syngenta Canada Inc. at 1-87-SYNGENTA / 1-877-964-3682.

5.0 PERSONAL PROTECTIVE EQUIPMENT (PPE)

Wear coveralls over long-sleeved shirt and long pants, chemical resistant gloves, socks and chemical resistant footwear during mixing, loading, application, clean-up and repair. In addition, wear protective eyewear (goggles or face shield) during mixing, loading, clean-up and repair.

Avoid spray mist by staying upwind from the spray and/or by wearing a suitable mask or respirator.

Use nitrile gloves and dispose of if damaged or after use. Dispose of gloves immediately if contaminated on the inside. Wash hands thoroughly with soap and water before using a new pair of gloves.

Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Wash splashes from skin IMMEDIATELY with plenty of water. Remove PPE immediately after handling this product. Wash the outside of gloves with soap and water before removing. As soon as possible, wash thoroughly and change into clean clothing. After spraying, wash hands and shower thoroughly with soap and water.

Heavily contaminated or drenched clothing and other absorbent materials contaminated with this product should be discarded. Do not reuse them.

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

Wear freshly laundered clothes daily.

Do not wear contaminated shoes.

Wash thoroughly with soap and water after handling and before eating, drinking or smoking. Remove contaminated clothing and wash before re-use.

6.0 ENVIRONMENTAL PRECAUTIONS

Toxic to non-target terrestrial plants. This product contains an active ingredient and aromatic petroleum distillates, which are toxic to aquatic organisms. 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.

7.0 STORAGE

Keep in original container, tightly closed, during storage. Store in a cool, dry, well ventilated area away from feed and food, and out of the reach of children and animals. Keep away from fire or open flame, or other sources of heat. If frozen, allow to thaw and agitate thoroughly prior to use.

8.0 DISPOSAL

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.

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.
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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.

***IN CASE OF EMERGENCY INVOLVING A MAJOR SPILL, FIRE OR POISONING,
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Pamphlet

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9.0 PRODUCT INFORMATION

A12460 Herbicide is a selective postemergence herbicide for control of a broad range of annual and perennial grasses in soybean.

A12460 Herbicide does not control broadleaf weeds, fescue and bluegrass species or sedges including nutsedge.

A12460 Herbicide is a systemic herbicide which is translocated from the treated foliage to the growing points of leaves, shoots, roots or rhizomes.

Although the growth of grasses ceases soon after application, the process of killing the foliage, rhizomes and the entire plant may take up to several weeks. A12460 Herbicide activity is not affected by rainfall if it commences two hours after application.

10.0 DIRECTIONS FOR USE

10.1 General Information

A12460 Herbicide is to be used only on soybean. A plantback interval of 12 months is required for all crops other than those listed in the rotational crop restrictions section of this A12460 Herbicide label.

DO NOT use in greenhouses.

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.

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 Syngenta Canada Inc. at 1-87-SYNGENTA / 1-877-964-3682 for information before applying any tank mix that is not specifically recommended on this label.

Syngenta Canada Inc. has not fully assessed performance (efficacy) and/or crop tolerance (phytotoxicity) of all potential tank mixes under all environmental conditions or for all crop varieties. Tank mixes that are not specifically listed on this label should be tested on a small area first, under local conditions and using standard practices, to confirm the tank mix is suitable for widespread application.

To determine the physical compatibility of this product with other products, use a jar test.

Always read and follow label directions including WALES mixing order.

10.2 Ground Application

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.

DO NOT apply by air.

DO NOT handle more than 50 kg active ingredient/day (211 L A12460 Herbicide product).

A closed cab tractor is required when applying more than 33 kg active ingredient/day (139 L A12460 Herbicide product).

10.2.1 Mixing Instructions

A12460 HERBICIDE TANK MIXED WITH BROADLEAF HERBICIDES

1. **Read and strictly follow the precautions and use directions on the label of the broadleaf weed herbicide to be used.**
2. **Rates of use and timing of application should be as indicated on each product label in the tank mix.**
3. Timing of the application to grass weeds should coincide with the optimum treatment stage of both the grass and broadleaf weeds as indicated on each product label or else control may be lessened.
4. Ensure that the sprayer interior is clean, then fill the spray tank with $\frac{1}{2}$ the required amount of water and engage gentle agitation. Good agitation is indicated by a rippling or rolling action on the surface of the water.
5. Add any WG or DF formulation mix partners and agitate to ensure complete mixing.
6. Add any SC or SE formulation mix partners and agitate to ensure complete mixing.
7. Add A12460 Herbicide and then any EC formulation mix partners and agitate to ensure complete mixing.
8. Fill the tank to $\frac{3}{4}$ the required amount of water.
9. Add any solution (SN or SL) formulation mix partners and agitate to ensure complete mixing.
10. Add adjuvant, where required, as directed in the crop use directions section.
11. Finish filling the sprayer with water, maintaining good agitation.
12. After any break in spraying operations, agitate thoroughly before spraying again.
13. Spray the pesticide suspension the same day as mixing.
14. Do not mix, load or clean spray equipment where there is a potential to contaminate wells or aquatic systems.

When using chemical handling equipment to fill the sprayer, the following additional recommendations apply:

- WG and DF formulations are preferentially batch mixed.
- SC, SN, and SL formulations may be inducted or batch mixed.
- EC formulations are preferentially batch mixed.

10.2.2 Spraying Instructions

A sprayer equipped with standard flat fan nozzles is recommended. Nozzles may be angled forward 45° to enhance spray coverage on weeds. The use of flood jet or hollow cone nozzles is not recommended because of uneven and inadequate spray coverage. Use spray nozzles that produce Medium or Coarse spray qualities. Ensure thorough and uniform coverage of the entire leaf area of the target plants. Apply A12460 Herbicide and tank mixtures in 50 to 200 L of water per hectare. Adjust the pressure for the selected nozzles according to the nozzle manufacturer to maintain Medium to Coarse spray qualities. Higher pressures (up to 425 kPa) are recommended for applications to dense weed infestations or to dense crop canopies to ensure thorough coverage. When band spraying, use a proportionately smaller sprayer volume per hectare. Use ground sprayers only.

10.2.3 Equipment Clean-Up

To avoid subsequent injury to other crops, thoroughly clean application equipment immediately after spraying each day. Ensure that all traces of the product are removed. Do not allow residue to dry in spray tank. Do not allow solution to remain in lines or tank overnight.

When using tank mixes, consult the tank-mix partner label for additional clean-up instructions. The following recommendations are provided:

1. Drain and flush tank walls, boom and all hoses for ten minutes with a clean water/detergent mixture. Rinse with clean water. **DO NOT** clean application equipment near desirable vegetation, wells or other water sources.
2. Remove all nozzles and screens and wash separately.
3. Dispose of all rinsate in accordance with provincial or territorial regulations.

10.3 Spray Buffer Zones

A spray buffer zone is not required for:

- uses with hand-held equipment permitted on this label,
- low-clearance hooded or shielded sprayers that prevent contact with crop, fruit or foliage

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), 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 Habitat of Depths:		Terrestrial habitat
		Less than 1 m	Greater than 1 m	
Field sprayer	Soybean	1	0	2

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 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.

11.0 CROP USE DIRECTIONS

11.1 Application Timing

A12460 Herbicide will be less effective when weeds are not growing rapidly because of stress from lack of moisture, excessive moisture, flooding, low-temperature and/or very low relative humidity. Regrowth by tillering may occur if application is made under any of the above stress conditions. In wide row crops where the crop canopy may be slow to close, cultivation may be necessary to control grasses that emerge after treatment.

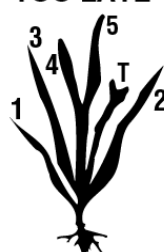
11.1.1 Annual Grasses

Apply A12460 Herbicide to actively growing annual grasses at the full 2-leaf to 5-leaf stages (except green and yellow foxtail). For green and yellow foxtail, apply at full 2-leaf to 4-leaf stage. The total number of leaves on the grass includes leaves on the main stem and on tillers; see illustration. Established grasses beyond the 5-leaf stage (including regrowth after clipping or tilling) will not be controlled. Most effective control is achieved when application is made before annual grasses produce tillers. **Application made to annual grasses that have tillered and are under moisture and/or temperature stress will not provide acceptable control.**

TOO EARLY



TOO LATE



LEAF STAGE OF
GRASSY WEEDS

1, 2, 3, 4, 5-LEAF
T-TILLER

11.1.2 Quack Grass

A12460 Herbicide will provide seasonal control of quack grass. Apply to actively growing plants that have 3 to 5 fully developed leaves. Application made to plants greater than 20 cm in height or which have reached the heading stage will not provide adequate control. In soybean, A12460 Herbicide applied at lower rates (0.52 L/ha) will suppress topgrowth of quack grass throughout the growing season.

11.1.3 Soybean

Rhizomes of quack grass should be thoroughly fragmented by tillage (disc or cultivator) prior to the application of A12460 Herbicide to obtain effective control. Tillage required to fragment rhizomes can be done in the fall or in the spring before seeding. Normal seedbed preparation will fragment quack grass rhizomes sufficiently. Therefore, extra tillage operations are not required. Do not cultivate for 5 days after applying A12460 Herbicide.

11.2 Use Rates

General rates of use for A12460 Herbicide are given below to control various grass species. Refer

to the crop section for the maximum use rate on each crop, the corresponding spray/harvest interval and recommend tank mixes.

RATES OF A12460 Herbicide		
Grass Species Controlled	Rate (L/ha)	Recommended Leaf Stage
Volunteer corn	0.31	2-5
Johnson grass, Persian darnel, Barnyard grass, Volunteer spring wheat and Spring barley	0.42	2-5
Wild oats, Wild proso millet, Crab grass, Fall Panicum, Old Witchgrass	0.52	2-5
Green, Yellow and Giant foxtail in Eastern Canada	0.52	2-4
Green and Yellow foxtail (Wild millet) in Western Canada	0.73	2-4
Quack grass top-growth suppression	0.52	3-5
Quack grass (Refer to Quack Grass paragraph for directions & conditions)	1.04	3-5
Wirestem Muhly	1.04	3-5

11.3 Crops

Refer to the previous list of **Grass Species Controlled** for the effective A12460 Herbicide rate. The following chart gives the maximum rate of A12460 Herbicide allowable for a crop plus other particulars. Remember, in all cases, to apply A12460 Herbicide at the proper growth stage of the grass and when grasses are actively growing.

11.3.1 Soybean

Soybean – Post emergent	
Weeds Controlled	Labelled Annual Grasses
Weed Timing	Refer to the TIME OF APPLICATION under the DIRECTIONS FOR USE on this label for the proper timing for wild oat, volunteer spring wheat and volunteer spring barley. Application made to annual grasses that have tillered and are under moisture and/or temperature stress will not provide acceptable control.
Maximum A12460 Herbicide Rate	1.04 L/ha when used alone
Adjuvant	A12460 Herbicide requires the addition of an NIS adjuvant at 0.25% or a COC adjuvant at 0.5% v/v.
Pre-Harvest Interval (PHI)	90 days
Maximum Number of Applications per Year	1
Notes	Do not apply A12460 Herbicide later than the third trifoliate leaf stage of the crop.
Weeds Controlled	Labelled Broadleaf Weeds
A12460 Herbicide Tank Mix Rate	0.31 – 1.04 L/ha
Tank Mix Partner	+ REFLEX® Liquid Herbicide at 1.0 L/ha
Adjuvant	Non-ionic Surfactant OR TURBOCHARGE® Adjuvant
Adjuvant Use Rate	0.1% v/v (1 L for each 1000 L spray solution) non-ionic surfactant OR 0.25% v/v (2.5 L for each 1000 L spray solution) Turbocharge adjuvant
Pre-Harvest Interval (PHI)	90 days
Maximum Number of Applications per Year	1
Notes	Only for use in Eastern Canada. Do not apply this tank mix later than the second trifoliate leaf stage of the crop.

12.0 ROTATIONAL CROP RESTRICTION GUIDELINES

Certain crops have been shown to be sensitive to low residues of A12460 Herbicide in the soil. The minimum plant-back interval is the time between the last application of A12460 Herbicide and the anticipated date of planting of the next crop

To avoid injury to subsequent crops after an application at the recommended rate of A12460 Herbicide, the following plant-back intervals should be observed.

CROP	MINIMAL PLANT-BACK INTERVAL
Soybean, Dry edible beans, Canola, Flax, Lentils, Mustard, Peas (field), Sugar beets, Sunflowers, Creeping red fescue, Tobacco, Alfalfa, Red clover, Bird's-foot trefoil, Asparagus, Broccoli, Brussel Sprouts, Cabbage, Cauliflower, Carrots, Cucumber, Green Onions, Potatoes, Rutabagas, Lupins (sweet white), Tomatoes, Strawberries, Peanut, milkweed, Lettuce, CG 3-07A Bulb onions	Immediately (no restriction)
All Other Crops	Bioassay (after 12 months)

Observe the rotational crop restriction guidelines of any product to be tank mixed with A12460 Herbicide.

Land treated with A12460 Herbicide CAN ONLY BE PLANTED TO A CROP NOT LISTED IN THE PRECEEDING TABLE if a field bioassay can be successfully performed. The bioassay must indicate normal growth with no yield reductions.

A bioassay may be conducted in any year following the year of application to assess the tolerance of the tested crop intended for planting in the year following the bioassay. Do not conduct a bioassay in the year of application. When conducting a field bioassay, it is very important to select a representative area(s) of the field previously treated with A12460 Herbicide to plant the test crop(s).

13.0 RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, A12460 Herbicide is a Group 1 herbicide. Any weed population may contain or develop plants naturally resistant to A12460 Herbicide and other Group 1 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 A12460 Herbicide or other Group 1 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 company representatives at 1-87-SYNGENTA (1-877-964-3682) or at www.syngenta.ca.

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