

GROUP

1

HERBICIDE

COMPONENT 2
Post-Emergent Herbicide
Emulsifiable Concentrate

THIS PRODUCT MUST BE USED IN COMBINATION WITH COMPONENT #1 HERBICIDE OF
THE FUSION® HERBICIDE TANK MIX

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

COMMERCIAL

WARNING:

**EXPERIMENTAL FEEDING STUDIES IN RATS HAVE DEMONSTRATED THAT THE ACTIVE
INGREDIENT IN COMPONENT #2 HERBICIDE CAN PRODUCE BIRTH DEFECTS AND OTHER
ADVERSE EFFECTS IN DEVELOPING FETUS OF RATS. WOMEN CAPABLE OF BEARING
CHILDREN SHOULD BE PARTICULARLY CAREFUL WHEN HANDLING THIS PRODUCT.
OCCUPATIONAL EXPOSURE TO THIS PRODUCT WILL BE REDUCED BY STRICT ADHERENCE TO
THE HANDLING PRECAUTIONS AND USE DIRECTIONS PROVIDED.**

CAUTION



POISON



CAUTION: EYE AND SKIN IRRITANT

REGISTRATION NUMBER: **22850**
PEST CONTROL PRODUCTS ACT

GUARANTEE: fluazifop-p-butyl..... 125 g/L

Distributed by:

Bayer CropScience Inc.
Suite 100, 3131 – 114th Ave SE
Calgary, AB T2Z 3X2
Telephone: 1-888-283-6847

Syngenta Crop Protection Canada, Inc.

140 Research Lane, Research Park
Guelph, ON N1G 4Z3

NET CONTENTS: 6.5 LITRES
READ THE LABEL AND ATTACHED BROCHURE BEFORE USING

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN.

1. Harmful if swallowed. CAUSES EYE AND SEVERE SKIN IRRITATION. Failure to follow the directions may cause a health hazard.
2. All users must follow all handling precautions, use directions and clean-up procedures noted on the label.
3. Wear coveralls, boots, and chemical resistant gloves when spraying, or when adjusting, repairing, or cleaning equipment, in addition to safety goggles when handling concentrated product.
4. Avoid spray mist by staying upwind from the spray and/or by wearing a suitable mask or respirator. Wash thoroughly with soap and water after handling and before eating, drinking or smoking. Remove contaminated clothing and wash before re-use.
5. Use chemical resistant gloves supplied with product 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.
6. 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 COMPONENT #2 Herbicide to eliminate contamination of clothing and skin by the need to clear blocked nozzles after spraying commences.
7. Change contaminated clothing daily and wash before reusing. Clean protective equipment daily.
8. Avoid spray drift onto susceptible plants and non-target areas, and USE ONLY FOR RECOMMENDED PURPOSES AND AT RECOMMENDED RATES.
9. This product contains a petroleum distillate which is moderately to highly toxic to aquatic organisms. Avoid contamination of aquatic systems during application. Do not contaminate these systems through direct application, disposal of waste or cleaning equipment.

If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., visit CropLife Canada's web site at: www.croplife.ca.

FIRST AID:

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

INGESTION: 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.

EYE CONTACT: 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.

SKIN OR CLOTHING CONTACT: 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.

INHALATION: 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.

TOXICOLOGICAL INFORMATION:

Medical Personnel should contact Bayer's Medical Information Service toll-free 1-800-334-7577. The FUSION Herbicide Tank Mix components contain **PETROLEUM DISTILLATES**.

STORAGE:

Keep away from fire or open flame or other sources of heat. CANNOT be stored below freezing. If stored for one year or longer, shake well before using. Store the tightly closed container away from feeds, seeds, fertilizer, plants and foodstuffs. Do not use or store in or around the home. Keep in original container during storage.

DISPOSAL:

RECYCLABLE CONTAINER DISPOSAL:

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.

DISPOSAL OF UNUSED, UNWANTED PRODUCT

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. The user assumes the risk to persons or property that arises from any such use of this product.

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Fusion[®]
POST-EMERGENT
HERBICIDE TANK MIX



GROUP 1 HERBICIDE

FOR USE IN CANOLA AND FLAX (including low linolenic acid varieties) AND OTHER LISTED CROPS

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

COMMERCIAL



WARNING - EYE AND SKIN IRRITANT

WARNING:

EXPERIMENTAL FEEDING STUDIES IN RATS HAVE DEMONSTRATED THAT THE ACTIVE INGREDIENT IN COMPONENT #2 HERBICIDE CAN PRODUCE BIRTH DEFECTS AND OTHER ADVERSE EFFECTS IN THE DEVELOPING FETUS OF RATS. WOMEN CAPABLE OF BEARING CHILDREN SHOULD BE PARTICULARLY CAREFUL WHEN HANDLING THIS PRODUCT. OCCUPATIONAL EXPOSURE TO THIS PRODUCT WILL BE REDUCED BY STRICT ADHERENCE TO THE HANDLING PRECAUTIONS AND USE DIRECTIONS PROVIDED.

THIS TANK MIX USES:

COMPONENT #1 Herbicide REGISTRATION NUMBER: 22845
PEST CONTROL PRODUCTS ACT
GUARANTEE: fenoxaprop-p-ethyl 80.5 g/L

COMPONENT #2 Herbicide REGISTRATION NUMBER: 22850
PEST CONTROL PRODUCTS ACT
GUARANTEE: fluazifop-p-butyl 125 g/L

READ THE LABEL BEFORE USING

Bayer CropScience Inc.
Suite 100, 3131 – 114th Ave. SE
Calgary, AB T2Z 3X2
Product Information: 1-888-283-6847

NET CONTENTS:

COMPONENT #1 HERBICIDE: 3.7 L
COMPONENT #2 HERBICIDE: 6.5 L

FUSION Herbicide Tank Mix

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For More Information, Contact:

Bayer CropScience Inc.
Suite 100, 3131 – 114th Ave. SE
Calgary, AB T2Z 3X2

Product Information: 1-888-283-6847

GENERAL INFORMATION

Section 1: The Product

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

- FUSION is a tank mix concept for control of certain annual grassy weeds in Canola, Triazine Tolerant Canola, Flax (except low linolenic acid varieties), Field Peas, Lentils and Mustard (condiment type only).
- The FUSION Herbicide Tank Mix package contains 3.7 L of COMPONENT #1 Herbicide, and 6.5 L of COMPONENT #2 Herbicide.
- Both of the components in the FUSION Herbicide Tank Mix package must be applied together according to label recommendations or a reduction in weed control may occur.

SAFETY AND HANDLING

Section 2: Precautions, Protective Clothing and Equipment

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN. Causes eye and severe skin irritation. Do not get in eyes, on skin or clothing. Do not breathe vapour or spray mist. Harmful if inhaled.

Protective Clothing & Equipment:

Wear protective clothing such as coveralls, a long-sleeved shirt, chemical resistant gloves, a rubber apron and eye protection (goggles or face shield) during application, mixing, loading, repairs and cleanup. In addition, wear a respirator with suitable cartridge during mixing and loading.

- DO NOT handle product with bare hands. Chemical resistant gloves significantly reduce hand exposure. ALWAYS wear gloves for mixing/loading operations and when making sprayer or nozzle repairs and adjustments. DO NOT USE LEATHER OR CLOTH GLOVES.
- Rinse gloves with soap and water before removal, and wash hands thoroughly before eating, smoking or drinking.
- Change contaminated clothing daily and wash before reusing.
- Clean protective equipment daily.
- If used in a tank mix, follow the most protective PPE directions of the products used.
- If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., visit CropLife Canada's web site at: www.croplife.ca.

Section 3: First Aid and Toxicological Information

FIRST AID:

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

- **INGESTION:** 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.

- **EYE CONTACT:** 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.
- **SKIN OR CLOTHING CONTACT:** 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.
- **INHALATION:** 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.

TOXICOLOGICAL INFORMATION:

- Medical personnel should contact Bayer’s medical information services toll-free 1-800-334-7577.
- FUSION Herbicide Tank Mix components contain **PETROLEUM DISTILLATES**.

Section 4: Environmental Precautions and Information

- **TOXIC TO FISH.** Do not apply within 15 metres of a body of water or wetland area. Do not contaminate water supply, ponds, lakes, rivers, streams and irrigation ditches by direct application, spray drift or when cleaning and rinsing spray equipment or containers.
- Do not apply to land where tail water will be used to irrigate crop land. Do not contaminate irrigation water.
- Avoid spray drift onto susceptible plants and non-target areas, and **USE ONLY FOR RECOMMENDED PURPOSES AND AT RECOMMENDED RATES.**
- Consult the label of the tank mix partner(s) and observe the largest (most restrictive) buffer zone of the products involved in the tank mixture.
- This product contains a petroleum distillate which is moderately to highly toxic to aquatic organisms. Avoid contamination of aquatic systems during application. **DO NOT** contaminate these systems through direct application, disposal of waste or cleaning equipment.

Section 5: Storage

- Keep away from fire or open flame or other sources of heat.
- **CANNOT** be stored below freezing.
- If stored for 1 year or longer, shake well before using.
- Store the tightly closed container away from feeds, seeds, fertilizers, plants and foodstuffs.
- Do not use or store in or around the home.
- Keep in original container during storage.

Section 6: Disposal

DISPOSAL:

Recyclable Container Disposal:

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.

Disposal of Unused, Unwanted Product:

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 cleanup of spills.

Disposal of Unused Spray Solution:

If any spray solution remains in the tank after spraying is finished, it should be sprayed on the perimeter of the field just sprayed, NOT ON THE CROP, away from water supplies, ditches, irrigation canals and desirable vegetation.

DIRECTIONS FOR USE

Section 7: Crops, Weeds, Rates, Timing, Rainfast Period, Cautions

CROP	WEED	TIME OF APPLICATION	RATE OF APPLICATION
Canola, Triazine Tolerant Canola, Flax (including low linolenic acid varieties), Field Peas, Lentils, Mustard (condiment type only)	Wild Oats, Volunteer Barley, Green Foxtail (Wild Millet), Persian Darnel, Volunteer Wheat, Barnyard Grass	Apply when the annual grassy weeds are in the 1-6 leaf stage of growth. Weeds that emerge after application will not be controlled.	One container of COMPONENT #1 Herbicide (3.7 L) combined with one container of COMPONENT #2 Herbicide (6.5 L) treats 8.1 ha. If less area is to be treated, apply COMPONENT #1 Herbicide at a rate of .46 L/ha plus COMPONENT #2 Herbicide at a rate of .8 L/ha.
<ul style="list-style-type: none"> • DO NOT APPLY LATER THAN THE (5th) LEAF STAGE OF CANOLA. • DO NOT APPLY LATER THAN THE (6th) NODE STAGE OF LENTILS. • DO NOT APPLY LATER THAN THE (5th) LEAF STAGE OF MUSTARD (condiment type only). 			

Rainfast Period:

Do not apply if rain is expected within 2 hours after spraying.

Cautions:

- Apply when weeds are young and actively growing.
- A time interval of four (4) days prior to application, or four (4) days after application of FUSION Herbicide Tank Mix is required before any other pesticide can be applied, unless registered as a tank mix with FUSION Herbicide Tank Mix.
- Application of FUSION Herbicide Tank Mix must take place within the leaf stages outlined for all weeds on this label. Late application will result in reduced weed control.

- During periods of stress, plants are not actively growing. When daytime temperatures before or after application are very hot, combined with very dry conditions and low humidity, plants are under stress. Application of FUSION Herbicide Tank Mix during these periods may result in substantially reduced control.
- Do not apply to crop that is stressed by severe weather conditions, frost, low fertility, drought, water saturated soil, disease or insect damage, as crop injury may result.
- If application of FUSION Herbicide Tank Mix is not possible due to uneven weed germination, consult your local weed specialist or the provincial weed control recommendations for the best alternative method of weed control.
- If it is necessary to re-seed a crop within 60 days of applying FUSION Herbicide Tank Mix, seed only broadleaf crops listed on this label.

Section 8: Application Instructions and Cautions

Application Instructions:

- Apply when weeds are young and actively growing.
- Application should be made in a minimum of 55-110 L/ha of water at a pressure of 275 kPa or 310 kPa if using check valves, and a ground speed of 6-8 kph. The use of 80° or 110° flat fan nozzles is recommended for optimal spray coverage.
- **UNIFORM, THOROUGH COVERAGE IS IMPORTANT TO OBTAIN CONSISTENT GRASSY WEED CONTROL.**
- Application of the spray at a forward angle of 45° will result in better penetration of the canopy and better coverage.

Application Cautions:

- Avoid drift onto other crops and non-target areas. Corn, cereals, and turf are highly susceptible to FUSION Herbicide Tank Mix.
- FUSION Herbicide Tank Mix may NOT be used on any crop for which it is NOT registered.
- **DO NOT APPLY BY AIR.**
- **DO NOT** use flood jet nozzles or controlled droplet application equipment or SPRAFOIL® equipment.
- Apply uniformly and avoid overlapping.
- Shut off spray boom while starting, turning, slowing or stopping to prevent crop injury from over application.

Section 9: Tank Mixes

- Do not tank mix with any other chemical additives, pesticides, or fertilizers unless recommended on this label.
- Do not use a surfactant with this tank mix.
- The following herbicides may be applied in combination with FUSION Herbicide Tank Mix for grassy and broadleaf weed control. When applying FUSION Herbicide Tank Mix in combinations with the following herbicides, always read and follow the use directions, environmental restrictions and use precautions on the FUSION Herbicide Tank Mix label and the label of the product being applied with FUSION Herbicide Tank Mix.

CANOLA, TRIAZINE TOLERANT CANOLA:

- Add Lontrel® 360 at 0.56 L/ha to FUSION Herbicide Tank Mix for control of Wild Buckwheat, Scentless Chamomile, season-long control of Canada Thistle, and top-growth control of Perennial Sow Thistle.

CANOLA, GLUFOSINATE AMMONIUM TOLERANT CANOLA [example: varieties or hybrids labelled with LibertyLink® and the symbol] :

- Add Liberty® 150 SN Herbicide at 2.67 – 3.33 L/ha to Component #1 Herbicide of the FUSION Herbicide Tank Mix at 0.23 L/ha and Component #2 Herbicide of the FUSION Herbicide Tank Mix at 0.4 L/ha for control of weeds listed on the Liberty 150 SN label plus Volunteer Barley and enhanced control of Wild Oats. Apply from the cotyledon stage up to the 5 leaf stage of canola, when weeds are actively growing and at the leaf stages recommended on the Liberty 150 SN label.

CANOLA, (Brassica napus or Argentine varieties only):

- Add Muster® at 20 or 30 g/ha to FUSION Herbicide Tank Mix for control of Wild Mustard and Stinkweed and other weeds listed on the Muster label. Consult the Muster label for application, timing as well as other information (including rotational cropping instructions) or restrictions as they relate to the application of Muster. The addition of a surfactant is not required with the FUSION Herbicide Tank Mix and Muster tank mix.
Caution: Heavy rainfall soon after application may result in visual crop injury or possible yield reduction. Conditions such as a thin crop stand, application prior to the 2 leaf stage of the Canola, sandy soil or low soil organic matter may increase the severity of injury.

FLAX (including low linolenic acid varieties):

- Add Buctril® M at 1 L/ha to FUSION Herbicide Tank Mix for control of Wild Buckwheat, Wild Mustard, Smartweed, Lamb's-quarters and other weeds as listed on the Buctril M label.

FLAX (excluding low linolenic acid varieties):

- Add MCPA Ester or Amine 500 at up to .84 L/ha for control of Wild Mustard, Stinkweed and other weeds listed on the MCPA label. If using a formulation other than MCPA Ester or Amine 500, adjust rates accordingly.
- Add Curtail M at 1.5 or 2.0 L/ha to FUSION Herbicide Tank Mix for control of Canada Thistle and other weeds listed on the FUSION Herbicide Tank Mix and Curtail M labels. Apply to actively growing weeds when at the leaf stages recommended on the FUSION Herbicide Tank Mix and Curtail M labels. For control of Canada Thistle, apply when plants are from 10 cm in height up to the pre-bud stage. Application should be made to flax when plants are 5

to 15 cm in height. Refer to the Curtail M label for additional application timing and use information.

Section 10: Mixing Instructions

1. Make sure that the spray tank is thoroughly clean.
2. Fill the tank half full with clean water and start agitation or bypass system.
3. If a broadleaf herbicide is to be used with the FUSION Herbicide Tank Mix, add it first and agitate.
4. Slowly add the correct amount of COMPONENT #1 Herbicide to the spray tank. Agitate thoroughly until COMPONENT #1 Herbicide is mixed completely.
5. Add the correct amount of COMPONENT #2 Herbicide and continue agitation.
6. Triple rinse the emptied containers into the spray tank.
7. Add the remaining amount of water while agitation continues. Spray out immediately. The spray mixture should not be left in tank overnight.
8. Thoroughly clean the spray tank after using FUSION Herbicide Tank Mix and before using any other pesticide.

Section 11: Sprayer Cleanup

Cleanup Before and After You Spray:

- Before and after using FUSION Herbicide Tank Mix, complete a thorough cleaning of the spray tank, lines and filter. This can be particularly important when the previously sprayed product may cause injury to the crop you intend to spray.
- Spray equipment should be triple rinsed using a strong detergent solution.
- A scrubbing of the tank is also highly recommended.

Section 12: Herbicide Resistance Management

For resistance management, COMPONENT #1 Herbicide and COMPONENT #2 Herbicide of FUSION Herbicide Tank Mix are Group 1 herbicides. Any weed population may contain or develop plants naturally resistant to the components of FUSION Herbicide Tank Mix 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 FUSION Herbicide Tank Mix or other Group 1 herbicides 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.
- Herbicide use should be based on an IPM program that includes scouting, historical information related to herbicide use and crop rotation, and considers tillage (or other mechanical), cultural, biological and other chemical control practices.
- Monitor treated weed populations for resistance development.

- Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment and planting clean seed.
- 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 Bayer representative, or call Bayer CropScience Inc. toll-free at 1-888-283-6847.

Section 13 Livestock Feeding and Pre-Harvest Intervals

Livestock Feeding:

- Do not graze the treated crops or cut for hay; sufficient data are not available to support such use.

Pre-Harvest Intervals:

The following intervals must be observed between application and harvest of the following crops:

Canola, Triazine Tolerant Canola, Glufosinate Ammonium Tolerant Canola.....	80 days
Flax (including low linolenic acid varieties).....	80 days
Field Peas.....	75 days
Lentils.....	82 days
Mustard (condiment type only).....	70 days

Section 14: Notices

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. The user assumes the risk to persons or property that arises from any such use of this product.

FOR MORE INFORMATION CONTACT:

Bayer CropScience Inc.
 Suite 100, 3131 – 114th Ave. SE
 Calgary, AB T2Z 3X2

Product Information: 1-888-283-6847

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