

GROUP	1	HERBICIDE
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HORIZON[®] 240EC Herbicide Tank Mix

AGRICULTURAL

HORIZON 240EC Herbicide Tank Mix is a single pass liquid post emergence herbicide with adjuvant for use in spring wheat and Durum wheat to control wild oats, volunteer (tame) oats, green foxtail, yellow foxtail, barnyard grass, Persian darnel and volunteer canary seed.

FOR SALE FOR USE IN THE PRAIRIE PROVINCES AND PEACE RIVER, OKANAGAN AND CRESTON FLATS REGIONS OF BRITISH COLUMBIA ONLY

**READ THE LABELS AND THIS BOOKLET BEFORE USING
KEEP OUT OF REACH OF CHILDREN**

CAUTION



POISON

WARNING: EYE & SKIN IRRITANT

NET CONTENTS: This tank mix concept contains:

HORIZON 240EC Herbicide **3.68 L**

REGISTRATION NO. **24076**

PEST CONTROL PRODUCTS ACT

GUARANTEE: clodinafop-propargyl240 g/L

SCORE[®] Adjuvant **2 x 6.4 L**

REGISTRATION NO. **24075**

PEST CONTROL PRODUCTS ACT

GUARANTEE: petroleum hydrocarbon blend.....83%

surfactant blend.....17%

Syngenta Crop Protection Canada, Inc.

140 Research Lane, Research Park

Guelph, Ontario N1G 4Z3

NOTICE TO USER

This control product is to be used only in accordance with the directions on this label. It is an offence under the *Pest Control Products Act* to use a control product under unsafe conditions.

NOTICE TO BUYER

Seller's guarantee shall be limited to the terms set out on the label and, subject thereto, the buyer assumes the risk to persons or property arising from the use or handling of this product and accepts the product on that condition.

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.

IN CASE OF SKIN CONTACT: thoroughly wash the affected parts of the body with soap and water. If irritation occurs, get medical attention or contact a poison control centre **IMMEDIATELY**.

IN CASE OF EYE CONTACT: rinse eyes with clean water for 15 minutes and **IMMEDIATELY** take patient to hospital.

IN CASE OF INGESTION: transport patient to nearest hospital **IMMEDIATELY**. Never give anything by mouth to an unconscious person. Do not induce vomiting. This product contains PETROLEUM DISTILLATES.

TOXICOLOGICAL INFORMATION FOR HORIZON 240EC HERBICIDE TANK MIX

This tank mix contains materials that may cause severe pneumonitis if aspirated. Treat symptomatically for ingestion and/or skin and eye contact. This tank mix contains PETROLEUM DISTILLATES. DO NOT INDUCE VOMITING.

PRECAUTIONS

- CAUTION – POISON
- WARNING – EYE AND SKIN IRRITANT
- KEEP OUT OF REACH OF CHILDREN.
- Harmful if swallowed.
- May irritate eyes. Do not wear contact lenses when using.
- DO NOT get in eyes or on skin. Avoid contact with clothing. Wear coveralls or long sleeved shirt and pants, chemical resistant gloves, and goggles when mixing, loading or during equipment clean up or repair.
- Wash gloves thoroughly with soap and water before removing them during any operation.
- Wash hands thoroughly with soap and water after using this product and before eating, drinking or smoking.

- Remove contaminated clothing immediately after use. Store and wash contaminated clothing separately from household laundry before reuse. Wash thoroughly with soap and water after handling. Handle and apply only as recommended on this label.
- Do not eat, drink or smoke while mixing, loading or during application.
- Do not contaminate streams, rivers, lakes, ponds, wetlands, sloughs, irrigation water, vegetated ditch banks, and water used by livestock or for domestic purposes. Do not apply within 15 metres of a wetland area or any of the aforementioned bodies of water.
- This tank mix 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 of 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 U.S., contact 1-866-375-4648 or www.cropro.org.

DO NOT APPLY BY AIR.

STORAGE

Store product in the closed original container in a well-ventilated room. Keep out of reach of children, unauthorized persons and animals. Store separate from food, feed, and fertilizer.

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.

CONTAINER DISPOSAL:

Recyclable containers:

Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

***IN CASE OF EMERGENCY INVOLVING A MAJOR SPILL, FIRE OR POISONING
CALL 1-800-327-8633 (FASTMED)***

PRODUCT INFORMATION

HORIZON 240EC Herbicide Tank Mix is a systemic, post-emergence herbicide with adjuvant for the selective control of wild oats, volunteer (tame) oats, green foxtail, yellow foxtail, barnyard grass, Persian dandelion and volunteer canary seed in all types of spring wheat and Durum wheat. Do not use HORIZON 240EC Herbicide Tank Mix on barley, as crop injury will occur.

HORIZON 240EC Herbicide Tank Mix is absorbed by the leaves and is rapidly translocated to the growing points of leaves and stems. Thorough coverage of the plants is essential for consistent control. Actively growing susceptible grasses stop growing within 48 hours after treatment. Depending on species, growing conditions, and crop competition, leaves and growing points turn yellow within one to three weeks after application. Further colour changes and loss of vigour will be observed, followed by a browning and complete control three to five weeks after application.

Although HORIZON 240EC Herbicide Tank Mix does not control broadleaf weeds, it can be further tank-mixed with a wide range of broadleaf herbicides to provide broad spectrum weed control. It can also be tank mixed with Decis[®] Flowable Insecticide and MATADOR[®] 120EC Insecticide to control grassy weeds and insects and with TILT 250E Fungicide to control grassy weeds and cereal leaf diseases. See section entitled TANK MIXES WITH BROADLEAF WEED HERBICIDES, INSECTICIDES AND FUNGICIDES in spring and Durum wheat.

DIRECTIONS FOR USE

When a tank mixture is used, consult the labels of the tank-mix partners and observe the largest (most restrictive) buffer zone of the products involved in the tank mixture.

To reduce runoff from treated areas into aquatic habitats, consider the characteristics and conditions of the site before treatment. Site characteristics and conditions that may lead to runoff include, but are not limited to: heavy rainfall, moderate to steep slope, bare soil, poorly draining soil (e.g. soils that are compacted, fine textured, or low in organic matter such as clay).

Avoid application of this product when heavy rain is forecast.

Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative strip (buffer zone) between the treated area and the edge of the water body.

CROPS: Spring Wheat and Durum Wheat

HORIZON 240EC Herbicide Tank Mix can be used on all types of spring wheat and Durum wheat. Observe minimum interval to harvest of 60 days after treatment. Do not apply on barley or any crop other than spring wheat or Durum wheat, as crop damage will result. Do not allow spray to drift to adjacent fields seeded to crops other than spring wheat or Durum wheat. Do not treat wheat underseeded to forages. Observe a minimum of three (3) days before grazing livestock on crops treated with HORIZON 240EC Herbicide Tank Mix.

WEEDS CONTROLLED: Wild Oats, Volunteer (Tame) Oats, Green Foxtail, Yellow Foxtail, Barnyard Grass, Persian dandelion and Volunteer Canary Seed.

TIMING OF APPLICATION:

TIMING	GROWTH STAGE	ADDITIONAL REMARKS
WILD OATS	1 to 6 leaf stage on main stem	Prior to emergence of 4th tiller
VOLUNTEER (TAME) OATS	3 to 6 leaf stage on main stem	Prior to emergence of 4th tiller
GREEN FOXTAIL AND YELLOW FOXTAIL (wild millet, pigeon grass)	1 to 5 leaf stage on main stem	For optimum control apply prior to emergence of the 3 rd tiller and while foxtail is actively growing
BARNYARD GRASS	1 to 5 leaf stage on main stem	For optimum control apply before tillering, and while barnyard grass is actively growing
PERSIAN DARNEL	1 to 5 leaf stage on main stem	For optimum control apply before tillering, and while Persian darnel is actively growing
VOLUNTEER CANARY SEED	1 to 6 leaf stage on main stem	Prior to emergence of 4th tiller
SPRING WHEAT AND DURUM WHEAT	Prior to emergence of 4th tiller	When tank-mixing with a broadleaf herbicide, insecticide or fungicide, always refer to the label of the broadleaf partner, insecticide partner or fungicide partner prior to use.

- For optimum results, apply HORIZON 240EC Herbicide Tank Mix to actively growing weeds. An early application will maximize crop yields by reducing weed competition. Weeds emerging after application will not be controlled.
- Weed control following application of HORIZON 240EC Herbicide Tank Mix alone, or in combination with broadleaf weed herbicides, can be reduced or delayed under stress conditions such as drought, heat, insufficient fertility, flooding or prolonged cool temperatures. Grass escapes or re-tillering may occur if application is made during prolonged stress conditions. Optimum weed control will be obtained if application of HORIZON 240EC Herbicide Tank Mix is delayed until the stress conditions have ended and weeds are once again actively growing.
- HORIZON 240EC Herbicide Tank Mix alone can be used 30 minutes before rainfall.
- Do not apply to crop that is stressed by conditions such as frost, low fertility, drought, flooding, disease or insect damage as crop injury may result.

RATE OF USE:

Apply the recommended rate of HORIZON 240EC Herbicide and SCORE Adjuvant in a minimum of 100 L of water per hectare.

RATE OF USE	
To Control:	To Control:
WILD OATS VOLUNTEER (TAME) OATS GREEN FOXTAIL YELLOW FOXTAIL BARNYARD GRASS VOLUNTEER CANARY SEED	WILD OATS VOLUNTEER (TAME) OATS GREEN FOXTAIL YELLOW FOXTAIL BARNYARD GRASS VOLUNTEER CANARY SEED PERSIAN DARNEL
Apply: 230 mL/ha of HORIZON 240EC Herbicide + 800 mL/ha of SCORE Adjuvant with 100 L/ha of water (0.8% volume/volume)	Apply: 290 mL/ha of HORIZON 240EC Herbicide + 1 L/ha of SCORE Adjuvant with 100 L/ha of water (1.0% volume/volume)
NOTE: <i>One 3.68 L jug of HORIZON 240EC Herbicide + 12.8 L SCORE Adjuvant treats 16 ha (40 acres) with 1600 L of water</i>	NOTE: <i>One 3.68 L jug of HORIZON 240EC Herbicide + 12.8 L SCORE Adjuvant treats 12.8 ha (31.4 acres) with 1280 L of water</i>

NOTE: Always use SCORE Adjuvant with HORIZON 240EC Herbicide.

TANK MIXES WITH BROADLEAF WEED HERBICIDES, INSECTICIDES AND FUNGICIDES IN SPRING WHEAT and DURUM WHEAT:

For broad spectrum control of wild oats, green foxtail, barnyard grass, Persian Darnel and broadleaf weeds, HORIZON 240EC Herbicide Tank Mix can be tank-mixed with broadleaf herbicides as described in the following tables. HORIZON 240EC Herbicide Tank Mix can also be tank-mixed with Decis Flowable Insecticide and MATADOR 120EC Insecticide for control of insects listed on the Decis Flowable Insecticide and MATADOR 120EC Insecticide label and with TILT 250E Fungicide for control of diseases listed on the TILT 250E Fungicide label, in addition to grassy weeds. Consult the label of the tank-mix partner for a list of broadleaf weeds, insects or diseases controlled, rates, timing, recropping restrictions, grazing interval restrictions, recommendations for specific weeds/insects/diseases, directions for use and precautions and follow the more restrictive label. When tank-mixing always add the broadleaf herbicide(s), insecticide or fungicide to the spray tank first; followed by HORIZON 240EC Herbicide, with SCORE Adjuvant added last. For the appropriate rate of HORIZON 240EC Herbicide with SCORE Adjuvant, refer to the 'Rate of Use' section of the label.

Tank mixes for broad spectrum control of wild oats, green foxtail, broadleaf weeds, insects and diseases:

Tank-Mix Partner	Product Rates	Crop Stage¹
TARGET [®]	1.0 to 1.5 L/ha	2 to 5 leaf
Dyvel [®]	1.25 L/ha	2 to 5 leaf
Refine Extra ^{®2}	20 g/ha	2 leaf to flag leaf
Buctril [®] M	1.0 L/ha	2 leaf to flag leaf
Buctril M Gel	One 3.72 L water soluble bag/4 ha	2 leaf to early flag leaf
Estaprop [®]	1.75 L/ha	4 leaf to early flag leaf (shot blade)
Dichlorprop [™] -D	1.75 L/ha	4 leaf to early flag leaf (shot blade)
Turboprop [®] 600	1.75 L/ha	4 leaf to early flag leaf (shot blade)
Unity ^{™2}	1 carton/16 ha	2 leaf to flag leaf
Lontrel [™] 360EC	0.42 to 0.84 L/ha	3 leaf to flag leaf
Lontrel [™] 360 tank mixed with MCPA Ester (assume 500 series)	280 - 420 mL/ha tank mixed with 1.1 L/ha	3 leaf to flag leaf
Lontrel [™] 360EC tank mixed with Refine Extra 75DF	0.21 L/ha tank mixed with 20 g/ha	3 leaf to flag leaf
Curtail [™] M	2.0 L/ha	3 leaf to flag leaf
Prestige [™] Herbicide Tank Mix	800 mL/ha of Prestige A + 2.0 L/ha of Prestige B	3 leaf to flag leaf
Thumper [®] EC	1.0 L/ha	4 leaf to flag leaf
2,4-D Amine (assume 500 series) ³	840 mL to 1.1 L/ha	3 leaf to flag leaf
MCPA Amine (assume 500 series) ³	840 mL to 1.1 L/ha	3 leaf to flag leaf
MCPA Ester (assume 500 series)	840 mL to 1.1 L/ha	3 leaf to flag leaf
MCPA 300SL Sodium Salt	1.2 L to 2.7 L/ha ⁴	3 leaf to flag leaf
Pardner [®]	1.0 L/ha	2 leaf to flag leaf
Ally ^{®2}	7.5 g/ha	2 leaf to flag leaf
Attain [™] Herbicide Tank Mix	600 mL/ha of Attain A + 1.0 L/ha of Attain B	4 leaf to flag leaf
Decis [®] Flowable Insecticide	80-120 mL/ha	Prior to emergence of 4 th tiller
TILT [®] 250E Fungicide	500 mL/ha	Prior to emergence of 4 th tiller
Mecoprop ⁵	5.5 – 7.0L/ha	3 leaf to just before flag leaf
MATADOR 120EC Insecticide	63-83 mL/ha	Prior to emergence of 4 th tiller
Mextrol 400M	1.4 L/ha	2 leaf to flag leaf
Trophy Herbicide Tank-Mix	0.6 L/ha of Trophy A + 1.12 L/ha Trophy B	3 leaf to flag leaf
Frontline Herbicide Tank Mix ⁶	100 mL/ha of Frontline A + 840 mL/ha of Frontline B	2 to 6 leaf
Spectrum Herbicide Tank Mix ⁶	100 mL/ha of Spectrum A + 1.5 L/ha of Spectrum B	2 to 6 leaf

¹ Always consult the label of the broadleaf herbicide, insecticide or fungicide prior to use.

² Addition of surfactants other than SCORE Adjuvant is not required.

³ A reduction in control of green foxtail and wild oats may be observed when HORIZON 240EC Herbicide is tank mixed with 2,4-D Amine and MCPA Amine.

⁴ Rates above 2.0 L/ha may cause crop injury.

⁵ Tank Mix with Mecoprop provides suppression of Canada Thistle (Top Growth Control)

⁶ Use with the high rate of HORIZON 240EC Herbicide for wild oat and green foxtail control

For the control of barnyard grass and broadleaf weeds, in addition to wild oats and green foxtail, use one of the following tank mixes:

Tank Mix Partner	Product Rates	Crop Stage ¹
TARGET [®]	1.0 to 1.5 L/ha	2 to 5 leaf
Buctril [®] M	1.0 L/ha	2 leaf to flag leaf
Buctril M Gel	One 3.72 L water soluble bag/4 ha	2 leaf to early flag leaf
Estaprop [®]	1.75 L/ha	4 leaf to early flag leaf (shot blade)
¹ Always consult the label of the broadleaf herbicide prior to use.		

For control of Persian Darnel* and broadleaf weeds, in addition to wild oats, green foxtail and barnyard grass, use the following tank mixes:

Tank Mix Partner	Product Rates	Crop Stage ¹
Buctril [®] M	1.0 L/ha	2 leaf to flag leaf
Buctril M Gel	One 3.72 L water soluble bag/4 ha	2 leaf to early flag leaf
¹ Always consult the label of the broadleaf herbicide prior to use.		

* Use the higher rate of HORIZON 240EC Herbicide Tank Mix to control Persian Darnel. Refer to the "Rate of Use" section of the label.

Temporary crop injury may occur with tank mixes under extreme weather conditions or when the crop is suffering from stress due to inadequate or abnormally high moisture levels or extreme temperatures. Do not tank-mix with any chemical additives, pesticides, or fertilizers that are not recommended on this label.

MIXING INSTRUCTIONS:

- Clean spray tank and half fill with clean water. Start agitation or bypass system.
- If a broadleaf herbicide, insecticide or fungicide is to be used, add the product **FIRST** prior to adding HORIZON 240EC Herbicide and agitate for 2-3 minutes.
- Add correct amount of HORIZON 240EC Herbicide.
- Agitate for 2-3 minutes.
- Add correct amount of SCORE Adjuvant.
- Agitate for 1-2 minutes before adding remainder of water and then maintain constant agitation.
- After any break in spraying operations, agitate thoroughly before spraying again.
- Use the spray suspension as soon as it is prepared.**
- If an oil film starts to build up in the tank, drain tank and then clean with a detergent.

SPRAYING INSTRUCTIONS:

- HORIZON 240EC Herbicide Tank Mix is for ground application only. **DO NOT APPLY BY AIRCRAFT.**
- Water Volume: 100 litres per hectare.
- Spray Nozzles: 80° or 110° flat fan stainless steel nozzles are recommended for optimal spray coverage. Use 50-mesh nozzle screens. Application of the spray mixture at a 45° angle in the direction of travel will result in improved spray coverage. Do not use flood type nozzles, controlled droplet application equipment, spray foils or hollow cone nozzles.

4. Pressure: 275-310 kPa.
5. Apply uniformly at 6-8 km/hr and avoid overlapping. Shut off spray boom while starting, turning, slowing or stopping to prevent crop injury from an over application.

SPRAYER CLEAN-UP:

Thoroughly clean application equipment immediately after spraying. Ensure that all traces of the product are removed. The following recommendations are provided:

1. Drain and flush tank walls, boom and all hoses for ten minutes with clean water. **Do not** clean the sprayer near desirable vegetation, wells, or other water sources.
2. Remove the nozzles and screens and wash separately.
3. Dispose of all rinsings in accordance with provincial regulations.
4. If a broadleaf tank mix partner is used, always check tank mix partner label for any additional clean up procedures.

TRANSPORTATION OF DANGEROUS GOODS:

HORIZON 240EC Herbicide Tank Mix is "Non-Regulated".

NOTE TO USER:

READ THE FOLLOWING BEFORE USING THIS PRODUCT FOR THE INDICATED SPECIAL USE APPLICATIONS:

The DIRECTIONS FOR USE for this product for the use described below were developed by persons other than Syngenta Crop Protection Canada, Inc. and accepted for registration by Health Canada under the User Requested Minor Use Label Expansion program. Syngenta Crop Protection Canada, Inc. itself makes no representation or warranty with respect to performance (efficacy) or crop tolerance (phytotoxicity) claims for this product when used on the crop listed below.

Accordingly, the Buyer and User assume all risks related to performance and crop tolerance arising, and agree to hold Syngenta Crop Protection Canada, Inc. harmless from any claims based on efficacy or phytotoxicity in connection with the use described below.

DIRECTIONS FOR USE IN THE OKANAGAN AND CRESTON FLATS REGIONS OF BC:

HORIZON 240EC Herbicide Tank Mix can be used for the control of wild oats, green and yellow foxtail in spring wheat and durum wheat in the Okanagan and Creston Flats Regions of British Columbia. For information on crop and weed stages, rates of application, mixing and spraying instructions and precautions see the appropriate sections elsewhere on this label.

Resistance-Management Recommendations

For resistance management, HORIZON 240EC Herbicide Tank Mix is a Group 1 herbicide. Any weed population may contain or develop plants naturally resistant to HORIZON 240EC 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 HORIZON 240EC 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 company representatives at 1-87-SYNGENTA (1-877-964-3682) or at www.syngenta.ca.

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