

DATAPAK

GROUP 4 HERBICIDE

# OPTICA™ TRIO

Solution

COMMERCIAL

**BROADLEAF HERBICIDE FOR USE IN WHEAT (Spring, durum and winter),  
BARLEY AND OATS**



CAUTION

POISON

**DANGER - CORROSIVE TO EYES**

**READ THE LABEL AND ATTACHED BROCHURE BEFORE USING.  
PROTECT FROM FREEZING.**

**GUARANTEE:**

MCPA, present as dimethylamine salt . . . 160 g /L  
Dichlorprop-P, present as dimethylamine salt . . . 310 g/L  
Mecoprop-P, present as dimethylamine salt . . . 130 g/L

REGISTRATION No.: 29662 PEST CONTROL PRODUCTS ACT

Nufarm UK Limited  
Wyke Lane, Wyke, Bradford  
West Yorkshire, BD12 9EJ  
England

Canadian Agent:  
Nufarm Agriculture Inc.  
Suite 350, 2618 Hopewell Place NE  
Calgary, Alberta T1Y 7J7 CANADA

For product use information, please contact:  
United Agri Products Canada, Inc.  
789 Donnybrook Drive  
Dorchester, ON  
N0L 1G5  
1-800-265-4624

**24 Hour Emergency Response Number 1-800-424-9300**

**PRECAUTIONS:** KEEP OUT OF REACH OF CHILDREN. Store with container tightly closed, and away from seeds, fertilizers, plant food-stuffs and greenhouses. Protect from freezing. Avoid spray drift on to susceptible crops. Wash sprayer thoroughly, before and after use. After use wash hands and skin contaminated by spray or concentrate.

**Do not use in residential areas**, which are defined as sites where bystanders may be present during or after spraying, including homes, schools, parks, playgrounds, playing fields and public buildings.

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 website at: [www.croplife.ca](http://www.croplife.ca).

#### **PROTECTIVE CLOTHING AND EQUIPMENT:**

**Handling the concentrate (mixing and loading):** Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes, and protective eyewear (face shield or safety glasses). Rinse gloves before removal. Coveralls or a chemical-resistant apron should also be worn when open pouring from containers greater than 5L.

**Handling the dilute spray solution (during application or repairing or cleaning equipment):** Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes. Rinse gloves before removal. Gloves are not required during application when applicator is in an enclosed tractor.

If OPTICA TRIO is applied when crop is under stress, shortening of straw may occur, but yield will not be affected. Protect from freezing.

Re-entry is not permitted until 12 hours after application for all agricultural scenarios.

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, application equipment and sprayer settings.

#### **ENVIRONMENTAL HAZARDS:**

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

The use of this chemical may result in contamination of groundwater particularly in areas where soils are permeable (e.g. sand, loamy sand and sandy loamy soils) and/or the depth to the water table is shallow.

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.

**FIRST AID:**

**If swallowed:** Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

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

**TOXICOLOGICAL INFORMATION:**

No specific antidote. Employ supportive care. Treatment should be based on judgement of the physician in response to reactions of the patient.

High concentrations of MCPA may cause severe irritation to the eyes. Symptoms of overexposure to MCPA could include slurred speech, twitching, jerking and spasms, drooling, low-blood pressure and unconsciousness. Treat symptomatically.

**EMERGENCY TELEPHONE NUMBERS:**

For spills or transportation accidents, Chemtrec, 1-800-424-9300.

For health or environmental emergencies, ProSAR, 1-877-325-1840.

For product and use information, UAP Canada Inc. 1-800-265-4624.

**STORAGE:**

Protect from freezing

**DISPOSAL:**

**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.

**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 Returnable-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 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.

**DIRECTIONS FOR USE:**

**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.

Re-entry is not permitted until 12 hours after application for all agricultural scenarios.

**DO NOT APPLY BY AIR**

**RESISTANCE MANAGEMENT RECOMMENDATIONS:**

For resistance management OPTICA TRIO is a Group 4 herbicide. Any weed population may contain or develop plants naturally resistant to OPTICA TRIO and other Group 4 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 OPTICA TRIO or other Group 4 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, 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 UAP Canada Inc. at 1-800-265-4624 or at [www.uap.ca](http://www.uap.ca).

## GENERAL INFORMATION

For systemic control of many broadleaf weeds in: Wheat (spring, durum and winter), Barley and Oats.

- Do not permit lactating dairy animals to graze fields within 7 days after application.
- Do not harvest forage or cut hay within 7 days after application.
- Withdraw meat animals from treated fields at least 3 days before slaughter.
- Observe a minimum plant-back interval of 30 days.

## BUFFER ZONES:

Field sprayer application: **DO NOT** apply during periods of dead calm. Avoid application of this product when winds are gusty. **DO NOT** apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE) medium classification. Boom height must be 60 cm or less above the crop or ground.

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) and estuarine/marine habitats.

| Method of | Crop | Buffer Zones (metres) Required for the Protection of: |                                      |                     |
|-----------|------|---|--------------------------------------|---------------------|
|           |      | Freshwater Habitat of Depths:                         | Estuarine/Marine Habitats of Depths: | Terrestrial habitat |
|           |      |   |                                      |                     |

|                |                     |               |                  |               |                  |   |
|----------------|---------------------|---------------|------------------|---------------|------------------|---|
| application    |                     | Less than 1 m | Greater than 1 m | Less than 1 m | Greater than 1 m |   |
| Field sprayer* | Wheat, barley, oats | 1             | 1                | 1             | 1                | 2 |

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

For tank mixes, consult the labels of the tank-mix partners and observe the largest (most restrictive) buffer zone of the products involved in the tank mixture and apply using the coarsest spray (ASAE) category indicated on the labels for those tank mix partners.

#### **WEEDS CONTROLLED:**

##### **1.5 L/ha**

Stinkweed  
Wild Mustard  
Lamb's Quarters  
Volunteer Canola

##### **2.5 L/ha**

Pigweed (Redroot)  
Common chickweed  
Kochia  
Common Ragweed  
Wild Buckwheat  
Cleavers<sup>1</sup>  
Lady's Thumb (suppression only)

Best results are obtained when weeds are in the 2-3 leaf stage and actively growing. Less than satisfactory control may result if weeds are not actively growing.

#### **Notes:**

##### **Top Growth Suppression Only - 2.5 L/ha:**

Canada thistle

#### **Notes:**

Cleavers<sup>1</sup>: Spray in 1-2 whorl stage

#### **TIMING OF APPLICATION:**

| <b>CROP</b>                             | <b>CROP STAGE</b>  |
|---|--|
| Wheat (spring, durum)<br>Oats<br>Barley | 2 to 5 leaf  |
| Winter Wheat                            | For Winter Wheat, apply in the spring before the crop is more than 30 cm high (top leaf extended). Winter annual weeds should be sprayed as soon as new growth |

|   |         |
|---|---------|
|   | starts. |
| <b>Note:</b> Application made later than the recommended timing may result in shortening of the straw (particularly under stress conditions). |         |

**APPLICATION INFORMATION:**

Rate 1.5 – 2.5 litres per hectare depending on broadleaf weeds that are present. Use 50-200 L/ha of water by ground.

Do not apply more than one treatment per year.

**PRODUCT SPECIFIC PRECAUTIONS:**

Read and understand the entire label before opening this product. If you have questions, call the manufacturer at 1-800-265-4624 or obtain technical advice from the distributor or your provincial agricultural representative. Application of this specific product must meet and/or conform to the following:

**VOLUME:** Apply the recommended rate in a minimum spray volume of 50 litres per hectare.

**BROADLEAF WEEDS, WILD OATS, GREEN AND YELLOW FOXTAIL CONTROL IN SPRING WHEAT ONLY IN THE PRAIRIE PROVINCES AND THE PEACE RIVER REGION OF BRITISH COLUMBIA**

To control broadleaf weeds, wild oats and yellow foxtail in spring wheat only in the following tank mix:

|   |  |
|---|--|
| <p><b>OPTICA TRIO HERBICIDE</b></p> <p><b>1.5 or 2.5 L/ha</b></p> <p>+</p> <p><b>230 mL/ha of HORIZON® 240 EC</b><br/>OR Signal™ Herbicide</p> <p>+</p> <p><b>0.8% volume/volume of SCORE®</b><br/>Or Signal Adjuvant</p> <p><b>(800 mL of SCORE® or Signal Adjuvant</b><br/>with 100 L of water per hectare)</p> | <p><b>Weeds Controlled</b></p> <p>Green Foxtail<br/>Wild Oats<br/>Yellow Foxtail</p> <p>And Broadleaf Weeds <b>listed on the OPTICA TRIO HERBICIDE label</b></p> |
|---|--|

Note:

1. DO NOT use OPTICA TRIO HERBICIDE/HORIZON or SIGNAL Herbicide tank mix on barley or on oats.
2. Consult tank mix partner label for detailed instructions and precautions.

3. Apply when spring wheat is in the 2-5 leaf stage.
4. DO NOT APPLY THIS TANK MIX BY AIR.
5. Use a minimum of 100 L of water per hectare.
6. Observe a minimum interval to harvest of 60 days after treatment
7. Observe a minimum of 7 days before grazing livestock on crops treated with the tank mix.
8. Apply when broadleaf weeds are in the 2-3 leaf stage, when wild oats are in the 1-6 leaf stage and when foxtails are in the 1-5 leaf stage.
9. Do not contaminate streams, rivers, lakes, ponds, wetlands, sloughs, irrigation waters, vegetated ditch banks and other water used by livestock or for domestic purposes. Do not apply within 15 meters of a wetland area or any of the aforementioned bodies of water.
10. Do not apply more than one treatment per year.

**OPTICA TRIO HERBICIDE WITH EVEREST® TANKMIX:**

| <b>CROP</b>  | <b>WEEDS</b>   | <b>RATE</b>   | <b>REMARKS</b>   |
|--|--|---|--|
| Spring Wheat<br>Including:<br>Hard red spring,<br>Canada Prairie<br>spring, soft white<br>spring and extra<br>strong (utility) wheat | Wild Oats*<br>and Green Foxtail<br>(Wild Millet)<br>Broad Leaf Weeds<br>listed on the OPTICA<br>TRIO HERBICIDE<br>label. *Reduction in<br>wild oat control may<br>be observed with this<br>tank mixture at high<br>populations | EVEREST SOLUPAK<br>70 DF, 43 g/ha +<br>OPTICA TRIO<br>HERBICIDE 1.5 or<br>2.5 L/ha. +<br>Non-ionic surfactant<br>such as: LI 700,<br>Super Spreader,<br>Agral 90, Ag-Surf, or<br>Surf 92 at 0.25% v/v<br>or 0.25L/100L. | Follow all directions<br>and precautions on<br>the tank-mix partner<br>labels. |
|  | Green Foxtail ONLY<br>(Wild Millet)<br>Broadleaf Weeds<br>listed on the OPTICA<br>TRIO HERBICIDE<br>label.   | EVEREST SOLUPAK<br>70 DF, 21.5 g/ha +<br>OPTICA TRIO<br>HERBICIDE 1.5 or<br>2.5 L/ha. + Non-ionic<br>surfactant such as: LI<br>700, Super Spreader,<br>Agral 90, Ag-Surf, or<br>Surf 92 at 0.25% v/v<br>or 0.25L/100L.  |  |

**MIXING AND SPRAYING INSTRUCTIONS:**

Spray Pressure: 200-300 kPa

Spray Volume: minimum of 50 litres of water per hectare

Use mesh screen and filters

1. Fill the sprayer ½ full with water. Start gentle agitation.
2. Add tank mix partner, if applicable, and agitate thoroughly.
3. Fill tank ¾ full with water and add OPTICA TRIO HERBICIDE.
4. Complete filling of sprayer and maintain gentle agitation while mixing and spraying.
5. Do not allow contents to stand without agitation.

6. Do not apply more than one treatment per year.

All product names are trademarks of their respective owners.

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