

# Trophy®

## Herbicide Tank Mix

### AGRICULTURAL

GROUP

4

HERBICIDE

DANGER



POISON

**WARNING – EYE IRRITANT  
CAUTION – SKIN IRRITANT  
HARMFUL IF SWALLOWED**

Dow AgroSciences Canada Inc.  
Suite 2100, 450 - 1 Street S.W.  
Calgary, Alberta T2P 5H1

Distributed by:  
Nufarm Agriculture Inc.  
5507 1st Street S.E.  
Calgary, Alberta T2H 1H9  
1-800-868-5444

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

© Trademark of Nufarm Agriculture Inc.

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

**FOR SALE FOR USE IN WINTER WHEAT  
IN ONTARIO ONLY**

Trophy Herbicide Tank-Mix is a selective postemergence herbicide for the control of a wide spectrum of broadleaved weeds in spring wheat, durum wheat, and spring barley.

**READ THE LABELS AND BOOKLET  
BEFORE USING**

**KEEP OUT OF REACH OF CHILDREN**

This co-package contains:

#### **Trophy A**

Emulsifiable Concentrate Herbicide  
REGISTRATION NO. 27246  
PEST CONTROL PRODUCTS ACT  
GUARANTEE : fluroxypyr,  
present as 1-methylheptyl ester 180 g/L

#### **Trophy B**

Emulsifiable Concentrate Herbicide  
REGISTRATION NO. 27245  
PEST CONTROL PRODUCTS ACT  
GUARANTEE: MCPA,  
present as 2-ethyl hexyl ester 500 g a.e./L



**Nufarm**

**PRECAUTIONS:**

**DANGER - CAUSES SUBSTANTIAL BUT TEMPORARY EYE INJURY. DO NOT GET IN EYES. HARMFUL IF SWALLOWED, INHALED OR ABSORBED THROUGH THE SKIN CAUSES SKIN IRRITATION**  
**KEEP OUT OF REACH OF CHILDREN**  
**DO NOT APPLY BY AIR**

DO NOT get in eyes. Avoid contact with skin and clothing. Avoid breathing spray mist.

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

**PROTECTIVE CLOTHING AND EQUIPMENT:****All Application Equipment:**

During application, wear a long-sleeved shirt, long pants, coveralls, socks, shoes, and chemical-resistant gloves. In addition, wear protective eyewear (face shield or safety goggles) during mixing/loading, clean-up and repair. Rinse gloves before removal. Applicators using a closed cab are not required to wear chemical-resistant gloves.

Wash thoroughly after handling. Wash contaminated clothing before reuse. Destroy contaminated shoes and leather articles.

**OPERATOR USE PRECAUTIONS:**

- Wear freshly laundered clothing and clean protective equipment daily.
- Rinse gloves before removal.
- Wash hands with soap and water before eating, drinking, using tobacco or using the toilet.
- If herbicide penetrates clothing, remove immediately; then wash thoroughly and put on clean clothing. Throw away clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate.
- After using this product, remove contaminated clothing and launder separately, using detergents and hot water before reuse. Keep and wash personal protective equipment separate from household laundry.
- After work, remove all clothing and shower immediately using soap and water.

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](http://www.croplife.ca).

**PHYSICAL OR CHEMICAL HAZARDS:**

**COMBUSTIBLE.** Do not use or store near heat or open flame.

**FIRST AID:**

**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 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.

#### **TOXICOLOGICAL INFORMATION:**

This product contains a PETROLEUM DISTILLATE. If swallowed, aspiration may cause chemical pneumonia. When considering emptying the stomach, the danger of chemical pneumonia must be weighed against toxicity. If lavage is performed, a cuffed endotracheal tube should be considered. If burn is present, treat as any thermal burn after decontamination. No specific antidote. Employ supportive care. Treatment should be based on the 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.

#### **AGRICULTURAL CHEMICAL:**

Do not ship or store with food, feeds, drugs or clothing.

#### **ENVIRONMENTAL HAZARDS:**

Overspray or drift to important wildlife habitats, such as ponds, wetlands, streams, woodlots and shelterbelts, should be avoided. 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 of equipment. This product is also toxic to non-target terrestrial plants. Observe buffer zones specified under DIRECTIONS FOR USE.

#### **Surface runoff**

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 applying 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.

#### **Leaching**

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 loam soils) and/or the depth to the water table is shallow.

**STORAGE:**

Store in original containers in a secure, dry heated storage. If product is frozen, bring to room temperature and agitate before use. Do not allow contamination of seeds, plants, fertilizers or other pesticides, including other herbicides intended for use on MCPA sensitive crops. Do not contaminate food, feedstuffs or domestic water supplies. If containers are damaged or spill occurs, use the product immediately or contain the spill with absorbent materials and dispose of waste.

**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.

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.

**GENERAL INFORMATION:**

Trophy Herbicide Tank-Mix is a selective postemergence herbicide for the control of broadleaved weeds in spring wheat, durum wheat, and spring barley (not underseeded to legumes).

The components of Trophy Herbicide Tank-Mix move within the plant for contact of exposed and underground plant tissues. It controls weeds by disrupting normal plant growth patterns. Symptoms of weeds include epinesty (twisting of the stems) and swollen nodes.

Trophy Herbicide Tank-Mix activity is influenced by weather conditions. Optimum activity requires active crop and weed growth. The temperature range for optimum activity is 12°C to 24°C. Reduced activity will occur when temperatures are below 8°C or above 27°C. Frost before application (3 days) or shortly after (3 days) may reduce weed control and crop tolerance. Weed control may be reduced during stress conditions, e.g., drought, heat or cold stress, or if weeds have initiated flowering, or if heavy infestations exist.

**GENERAL USE PRECAUTIONS:**

- DO NOT APPLY BY AIR
- Do not apply through any type of irrigation system.
- If this product is exposed to temperatures below -20°C, it should be warmed to at least 5.0°C and mixed thoroughly before using.

## **Sensitive Plants**

Do not apply Trophy Herbicide Tank-Mix directly to, or otherwise permit it to come in direct contact with susceptible crops or desirable plants including alfalfa, grapes, vegetables such as edible beans, tomatoes, canola, flowers and ornamentals, soybeans, lentils, lettuce, peas, potatoes, radishes and sugar beets, sunflowers, and tobacco. Vegetables, flowers, grapes, fruit trees and other desirable plants are sensitive to MCPA even in minute quantities. Care should be taken to avoid spraying these types of plants or allowing spray mist to drift onto these plants during both their growing and dormant periods. Coarse sprays are less likely to drift. At higher temperatures, vaporization may cause injury to susceptible plants growing nearby.

This product may cause damage to lawns or pastures if applied before the grass is well established. In addition, most legumes may be damaged or killed.

**NOTE:** local conditions may affect the use of herbicides. Provincial agricultural authorities issue recommendations to fit local conditions. Be sure that use of this product conforms to all applicable regulations.

## **Non-Target Sites**

Do not apply where proximity of susceptible crops or other desirable plants is likely to result in exposure to spray or spray drift. See Environmental Hazards section of the label.

## **Crop Rotation**

Fields previously treated with this tank-mix can be seeded the following year to barley, canola, flax, forage grasses, lentils, mustard, oats, peas, rye or wheat or fields can be summerfallowed.

## **Tank Mixtures**

Do not apply this product with any other additive, pesticide or fertilizer except as specifically recommended on this label.

## **Equipment Clean-Up**

Equipment used to apply Trophy Herbicide Tank-Mix should not be used to apply other pesticides to sensitive crops without thorough cleaning. Contact your Trophy Herbicide Tank-Mix dealer for detailed equipment cleaning procedures.

## **DIRECTIONS FOR USE:**

**READ THE ENTIRE LABEL BEFORE USE. FAILURE TO FOLLOW LABEL INSTRUCTIONS MAY RESULT IN ERRATIC WEED CONTROL OR CROP DAMAGE. DO NOT APPLY TO CROPS UNDERSEEDED WITH LEGUMES.**

## **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) coarse classification. Boom height must be 60 cm or less above the crop or ground.

### To reduce spray drift

- Use low pressures (200 to 275 kPa).
- Use 100 L/ha of spray solution.
- Spray when the wind velocity is 15 km/hr or less.
- Spot treatments should only be applied with a calibrated boom to prevent over-application.

### Preharvest/Grazing Restrictions

- Do not permit any grazing within 7 days after application.
- Do not cut hay within 7 days after application.
- Withdraw meat animals from treated fields at least 3 days before slaughter.
- Do not harvest the treated crop within 60 days after application.

### Restricted Entry Interval (REI)

- All crops – 12-hour REI

### Application Directions

For control of a wide spectrum of broadleaved weeds, apply Trophy A at 0.6 L/ha mixed with Trophy B at 1.12 L/ha in a minimum of 100 L of water per hectare to thoroughly cover the weeds. A maximum of 1 application per year.

### Crops Registered

Spring wheat, durum wheat, and spring barley

### Weeds Controlled or Suppressed by Trophy Herbicide Tank-Mix

Weeds Controlled		
burdock, common	hempenettle (2-6 leaf)	ragweed, common
canola, volunteer	kochia†	shepherd's-purse
cleavers (1-4 whorl)	lamb's-quarters	stinkweed
cocklebur	mustard (except dog & green tansy)	sunflower, annual
flax, volunteer (1-12 cm)	pigweed, redroot (1-4 leaf)	vetch
flixweed	prickly lettuce	wild radish
Weeds Suppressed		
green smartweed	wild buckwheat (1-4 leaf)	
stork's-bill (1-8 leaf)		

†Including biotypes resistant to Group 2 herbicides that inhibit the ALS enzyme.

### Mixing Instructions

1. Fill sprayer tank 1/2 full of water
2. Start sprayer tank agitation
3. Add the required amount of Trophy A, continue agitation
4. Add the required amount of Trophy B, continue agitation
5. Fill the sprayer tank with sufficient water to spray 100 L of spray mixture per hectare.

## Application Timing

Apply postemergence when weeds are in the seedling stage (2-4 leaf) and when spring wheat, durum wheat, and spring barley are in the 3-leaf to flag-leaf stage. Application before the 3-leaf stage of wheat and barley may cause severe twisting of leaves and stem, and head deformities which may reduce yield up to 10%. Do not apply later than the flag-leaf stage. Do not apply to cereals underseeded with a legume.

## TANK-MIX COMBINATIONS – TROPHY HERBICIDE TANK-MIX + OTHER HERBICIDES

Tank mixtures of Trophy Herbicide Tank-Mix with other herbicides will provide control of additional weeds. For products which may be tank mixed with Trophy Herbicide Tank-Mix, and the additional weeds controlled, see the following table. Follow all precautions, minimal interval to harvest and directions for use (including timing of application) on the Trophy Herbicide Tank-Mix and tank-mix partner labels.

### Tank-Mix Combinations with Trophy Herbicide Tank-Mix

Herbicide Tank-Mix Partner	Crops Registered	Rate/ha	Adjuvant Rate	Additional Weeds
Achieve® Liquid	spring wheat, durum wheat, spring barley	0.5 L/ha	Turbocharge 0.5 L/ha (0.5% v/v)	green foxtail wild oats
Horizon® Herbicide Tank-Mix	spring wheat, durum wheat	0.23 L/ha	Score 0.8 L/ha (0.8% v/v)	wild oats, green foxtail
Assert® 300 SC	spring wheat, durum wheat spring barley	1.3 L/ha 1.6 L/ha	Refer to Assert 300 SC label	wild oats (1-3 leaf) wild oats (4 leaf)
Puma® 120 Super	spring wheat, durum wheat spring barley	0.77 L/ha	None required	wild oats

#### 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(s) described below were developed by persons other than Dow AgroSciences Canada Inc. and accepted for registration by Health Canada under the User Requested Minor Use Label Expansion program. Dow AgroSciences Canada Inc. itself makes no representation or warranty with respect to performance (efficacy) and/or crop tolerance (phytotoxicity) claims for this product when used on the crop(s) listed below.

Accordingly, the User assumes all risks related to performance and crop tolerance arising, and agrees to hold Dow AgroSciences Canada Inc. harmless from any claims based on efficacy and/or phytotoxicity in connection with the use(s) described below.

**DIRECTIONS FOR USE:****LABELLED ANNUAL AND PERENNIAL BROADLEAVED WEEDS IN CANARYSEED:**

For the control of labelled annual and perennial broadleaved weeds in canaryseed, apply Trophy A at a rate of 0.6 L/ha and Trophy B at a rate of 1.12 L/ha in a minimum of 100 L of water to thoroughly cover the weeds with a spray pressure of 200 to 275 kPa. Apply when weeds are in the seedling stage (2-4 leaf) and when canaryseed is in the 3-leaf stage up to just before the flag leaf emergence stage. Apply using a ground boom sprayer, and apply only one post-emergent application per season. Do NOT apply within 60 days of harvest. For use in the prairie provinces and the Peace River regions ONLY of British Columbia.

**LABELLED WEEDS IN SOFT WHITE WINTER WHEAT, SOFT RED WINTER WHEAT AND HARD RED WINTER WHEAT IN ONTARIO ONLY:**

For the control of labeled weeds including cleavers, apply Trophy A at 0.6 litres per hectares plus Trophy B at 1.12 litres per hectare to winter wheat in the three tiller to flag leaf stage (in the spring) in 100 litres of water per hectare. Do not apply to cereals underseeded with a legume.

Do not apply within 60 days of harvest. Apply only one post-emergent application per year.

REFER TO MAIN TROPHY TANK-MIX LABEL FOR ADDITIONAL DETAILS AND INSTRUCTIONS.

**BUFFER ZONES TO PROTECT SENSITIVE TERRESTRIAL AND AQUATIC HABITATS:**

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.

Use of the following spray methods or equipment DO NOT require a buffer zone: handheld or backpack sprayer and spot treatment.

**Buffer Zone Table**

Method of Application	Crop	Buffer Zones (metres) Required for the Protection of:				
		Freshwater Habitat of Depths:		Estuarine/Marine Habitats of Depths:		Terrestrial Habitat
		Less than 1 m	Greater than 1 m	Less than 1 m	Greater than 1 m	
Field sprayer*	Cereals	15	15	15	15	15

\*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%.

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.

### **RESISTANCE MANAGEMENT RECOMMENDATIONS:**

For resistance management, Trophy Herbicide Tank-Mix is a Group 4 herbicide. Any weed population may contain or develop plants naturally resistant to Trophy Herbicide Tank-Mix 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 Trophy Herbicide Tank-Mix 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 (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 Nufarm Agriculture Inc. at 1-800-868-5444

### **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.

Achieve is a trademark of a Syngenta Co.  
Horizon is a trademark of a Syngenta Co.  
Assert is a trademark of Nufarm Agriculture Inc.  
Puma is a trademark of Bayer

052609

A-January 26, 2010

