

Container Label

GROUP

2

HERBICIDE

**ODYSSEY® ULTRA NXT A**

For Weed Control in Field Peas, **Clearfield** Lentils<sup>1</sup>, Faba Beans and Soybeans

**This component must only be used in the ODYSSEY ULTRA NXT Herbicide Tank-Mix**

Water Dispersible Granular Herbicide

**COMMERCIAL (AGRICULTURAL)**

FOR SALE FOR USE IN THE PRAIRIE PROVINCES

**ACTIVE INGREDIENTS:** Imazamox 35%  
Imazethapyr 35%

Warning, contains the allergen sulfites

CAUTION - SKIN IRRITANT

**REGISTRATION NO. 32305**

**PEST CONTROL PRODUCTS ACT**

READ THE LABEL AND BOOKLET BEFORE USING

KEEP OUT OF REACH OF CHILDREN

**IN CASE OF EMERGENCY ENDANGERING LIFE OR PROPERTY  
INVOLVING THIS PRODUCT, CALL DAY OR NIGHT  
1-800-454-2673**

**NET CONTENTS:** 692 g

BASF Canada Inc.  
100 Milverton Drive, 5<sup>th</sup> Floor  
Mississauga, Ontario L5R 4H1  
1-877-371-2273

ODYSSEY is a registered trademark of BASF Agrochemical Products B.V., used with permission by BASF Canada Inc.

## PRECAUTIONS

### KEEP OUT OF REACH OF CHILDREN.

Skin irritant.

Wash exposed areas of skin thoroughly after handling and before eating, drinking or smoking or going to the washroom. Take a shower immediately after work.

Wear a long-sleeved shirt and long pants during mixing/loading, application, clean-up and repair. In addition, wear chemical resistant gloves during mixing and loading.

If clothing becomes contaminated, remove immediately and wash. Store and wash all protective clothing separately from household laundry. Wash in detergent and hot water before reuse. Wear freshly laundered clothes daily.

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.

Do not enter or allow entry into treated areas during the restricted entry interval (REI) of 12 hours after application.

## 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

Treat symptomatically.

## **ENVIRONMENTAL HAZARDS**

TOXIC to non-target terrestrial and aquatic plants. Observe 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 of this product when heavy rain is in the 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.

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

## **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.

### **Returnable-Refillable Containers**

For disposal, this empty 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.

## **STORAGE**

Store the product in original, tightly-closed container and do not allow water to be introduced into this container.

Do not ship or store the product near food, feed, seed or fertilizers.

Store the product in a cool, dry, locked, well-ventilated area without floor drain.

## **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.

GROUP	2	1	HERBICIDE
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**ODYSSEY® ULTRA NXT HERBICIDE TANK-MIX**

For Weed Control in Field Peas, **Clearfield** Lentils<sup>1</sup>, Faba Beans and Soybeans

FOR SALE FOR USE IN THE PRAIRIE PROVINCES

**COMMERCIAL (AGRICULTURAL)**

**ODYSSEY® ULTRA NXT A**

Water Dispersible Granular Herbicide

**ACTIVE INGREDIENTS:**

Imazamox.....35%  
Imazethapyr .....35%

Warning, contains the allergen sulfites

**REG. NO. 32305 PCP ACT**

**ODYSSEY® ULTRA NXT B**

Emulsifiable Concentrate

**ACTIVE INGREDIENT:**

Sethoxydim ..... 450 g/L

**REG. NO. 32304 PCP ACT**

**CAUTION - SKIN IRRITANT**

**NET CONTENTS:** 0.2 kg – 100 kg



**CAUTION**

**POISON**

**CAUTION – SKIN IRRITANT  
CAUTION – EYE IRRITANT**

**NET CONTENTS:** 1 L – 100 L

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

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## PRECAUTIONS

### KEEP OUT OF REACH OF CHILDREN.

Do not take internally.

DO NOT get in eyes or on skin. May cause eye and skin irritation.

Avoid inhalation of vapour or spray mist.

Wash exposed areas of skin thoroughly after handling and before eating, drinking or smoking or going to the washroom. Take a shower immediately after work.

Wear a long-sleeved shirt, long pants, hat, rubber boots and chemical resistant gloves during mixing/loading, application, clean-up and repair. In addition, wear goggles or a face shield during mixing and loading.

If clothing becomes contaminated, remove immediately and wash. Store and wash all protective clothing separately from household laundry. Wash in detergent and hot water before reuse. Wear freshly laundered clothes daily.

DO NOT apply this product in a way that will cause this product to contact workers or other persons, either directly or through drift. Only handlers (mixers, loaders and applicators) wearing personal protective equipment may be in the area being treated during application.

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.

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

## FIRST AID

**ODYSSEY ULTRA NXT A - 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.

**ODYSSEY ULTRA NXT B - 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.

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

## **TOXICOLOGICAL INFORMATION**

Treat symptomatically. **ODYSSEY ULTRA NXT B** contains petroleum distillates. Vomiting may cause aspiration pneumonia.

## **ENVIRONMENTAL HAZARDS**

TOXIC to aquatic organisms and non-target terrestrial plants. Observe buffer zones specified under Directions for Use.

**ODYSSEY ULTRA NXT B** contains a petroleum distillate that is moderately to highly toxic to aquatic organisms. Avoid contamination of aquatic systems during applications.

DO NOT apply this product directly to freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands), estuaries or marine habitats.

Do not apply where run-off or erosion is likely to occur.

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 or fine textured such as clay).

Avoid application of this product when heavy rain is in the 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.

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

## **STORAGE**

Store the product in original, tightly-closed container and do not allow water to be introduced into this container.

Do not ship or store the product near food, feed, seed or fertilizers.

Store in a cool, dry, locked, well-ventilated area without floor drain.

Herbicides should be shipped or stored separately from other pesticides to avoid cross-contamination.

## **DISPOSAL**

### **Recyclable Containers**

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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**

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## DIRECTIONS FOR USE

**ODYSSEY ULTRA NXT Herbicide Tank-Mix** is a selective herbicide that can be applied as an early post-emergence treatment in field peas, **Clearfield** Lentils<sup>1</sup>, faba beans and soybeans.

When grasses are stressed due to drought, flooding, hot or prolonged cool temperatures (15°C or less), control can be reduced or delayed since grasses are not actively growing. Grass escapes or retillering may occur under prolonged stress conditions or low fertility. **Do not make applications to grasses stressed longer than 20 days due to lack of moisture, as unsatisfactory control can result.**

Thorough preplant tillage operations are required for fields where sod or forage grass crops may have grown in the previous year.

### 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.

**DO NOT** apply by air.

As this product is not registered for the control of pests in aquatic systems, **DO NOT** use to control aquatic pests.

### Buffer Zones

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) and sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands).

Method of Application	Crop	Buffer Zones (metres) Required for the Protection of:	
		Freshwater Habitat	Terrestrial Habitat
Field sprayer	All crops	1	2

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.

The spray drift buffer zones for this product can be modified based on weather conditions and spray equipment configuration by accessing the Buffer Zone Calculator on the Pesticides and Pest Management portion of the Health Canada website.

Rainfastness Interval: The **ODYSSEY ULTRA NXT Herbicide Tank-Mix** is rainfast 3 hours after application.

DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

Do not apply more than once per year.

## REGISTERED CROPS

**ODYSSEY ULTRA NXT Herbicide Tank-Mix** is a selective herbicide that can be applied as an early post-emergence treatment in field peas, **Clearfield** Lentils<sup>1</sup> (lentil varieties with the **Clearfield** trait), faba beans and soybeans for control of grass and broadleaf weeds.

## WEEDS CONTROLLED

**ODYSSEY ULTRA NXT Herbicide Tank-Mix** applied as directed will control:

Barnyard grass	Stinkweed
Chickweed	Stork's bill
Cleavers	Volunteer barley
Crabgrass (large)	Volunteer canola (non- <b>Clearfield</b> canola only)
Fall panicum	Volunteer corn
Flixweed	Volunteer tame mustard
Green foxtail (including Group 1 and 2 resistant) <sup>1</sup>	Volunteer tame oats
Green smartweed	Volunteer wheat (including <b>Clearfield</b> )
Hemp-nettle <sup>2</sup>	Wild buckwheat <sup>2</sup>
Japanese brome grass <sup>3</sup>	Wild mustard
Kochia (suppression)	Wild oats (including Group 1 and 2 resistant) <sup>1</sup>
Lamb's-quarters (suppression)	Witchgrass
Persian darnel	Yellow foxtail
Proso millet	
Quack grass (suppression, 2 to 5 leaf) <sup>3</sup>	
Redroot pigweed	
Russian thistle <sup>2</sup>	
Shepherd's purse	

<sup>1</sup> **ODYSSEY ULTRA NXT Herbicide Tank-Mix** will not control weed biotypes that are multiple-resistant to both Group 1 and Group 2 Herbicides.

<sup>2</sup> Suppression in less competitive crops, such as field peas and **Clearfield** Lentils<sup>1</sup>.

<sup>3</sup> **ODYSSEY ULTRA NXT B** applied at a rate of 0.38 L/ha in tank mix with **ODYSSEY ULTRA NXT A** will provide control of spring germinating Japanese brome grass, and suppression of quack grass and fall emerged Japanese brome grass.

## APPLICATION RATE AND TIMING

Timing	Early post-emergence
Rate	<p><b>ODYSSEY ULTRA NXT A</b> at 43 g/ha +  <b>ODYSSEY ULTRA NXT B</b> at 0.32 to 0.38 L/ha* +  MERGE Adjuvant at 0.5% v/v</p> <p>* For control of fall emerged Japanese brome grass, or when weed densities are high and overlapping, when staging is late, or when weeds are under stress and not growing as actively due to moisture stress or temperature stress, add 0.09 L of POAST® ULTRA Liquid Emulsifiable Herbicide to the above tank mix recommendation.</p>
Water Volume	50-100 L/ha
Remark	Application to field peas, <b>Clearfield</b> Lentils <sup>1</sup> (lentil varieties with the <b>Clearfield</b> trait), faba beans and soybeans should be after weeds have emerged and from the 1-6 true leaf stage for field peas; 1-9 node stage for <b>Clearfield</b> Lentils <sup>1</sup> ; 1-6 leaf stage of faba beans; and 1-3 true leaf stage of soybeans. Apply to broadleaf weeds from the cotyledon to 4-leaf stage and to grassy weeds from 1-6 true leaf or up to 2 tillers.

## PRE-HARVEST AND GRAZING INTERVALS

The following pre-harvest and grazing intervals should be observed for respective crops:

Crop	PHI (days)
Faba beans	80
Lentils	60
Field peas <sup>2</sup>	60
Soybeans <sup>1</sup>	85

<sup>1</sup> DO NOT graze treated soybeans or cut for hay; sufficient data are not available to support such uses.

<sup>2</sup> Field peas may be fed to livestock 30 days after application.

## WARNING

Injury to grass, cereal or corn crops and turf may occur if the **ODYSSEY ULTRA NXT Herbicide Tank-Mix** is applied directly onto, or is allowed to drift onto, these susceptible crops.

Do not apply when weather conditions may cause spray drift from treated fields to adjacent crops. Wash sprayer thoroughly after use to avoid damage to the next crop sprayed, especially if it is a cereal, forage or corn crop.

## MIXING INSTRUCTIONS

1. When applying **ODYSSEY ULTRA NXT Herbicide Tank-Mix**, always start with a clean sprayer. Refer to previously applied product labels for specific cleaning instructions.
2. Fill the spray tank with three-quarters of the required amount of clean water, start agitation and continue agitation throughout the entire mixing and spraying procedure.
3. Add the required amount of **ODYSSEY ULTRA NXT A** and continue to agitate until fully dissolved.
4. Add the required amount of **ODYSSEY ULTRA NXT B** while agitating the spray solution. If required, add the necessary amount of POAST ULTRA Liquid Emulsifiable Herbicide.
5. After the herbicide is dissolved, continue agitation and add the required amount of MERGE Adjuvant. If excess foaming occurs, a silicone anti-foaming agent may be added (e.g. HALT).
6. Complete filling the tank to the desired level with water.
7. If agitation is stopped for more than 5 minutes, re-suspend spray solution by full agitation prior to commencing spraying again. Between loads of **ODYSSEY ULTRA NXT Herbicide Tank-Mix**, check in-line and nozzle screens and rinse and clean if necessary.
8. Upon completion of spraying **ODYSSEY ULTRA NXT Herbicide Tank-Mix**, thoroughly flush tank, boom, hoses and in-line and nozzle screens with clean water to avoid possible injury to other crops.

## ROTATIONAL CROPS

There is the possibility of residual soil activity for **ODYSSEY ULTRA NXT A** the year following application.

Research studies have shown that the following crops may be safely planted the year following **ODYSSEY ULTRA NXT A** application:

Barley (spring)  
Canary seed  
Chickpeas

**Clearfield** Canola<sup>1</sup> (canola varieties with the **Clearfield** trait)

**Clearfield** Lentils<sup>1</sup> (lentil varieties with the **Clearfield** trait)

Corn (field)

Lentils

Peas (dried field)

Soybeans

Tame oats

Wheat (spring and durum)

Research studies have shown that flax, canola and sunflower may be safely planted **2 years** following an **ODYSSEY ULTRA NXT A** application in all regions of Western Canada except the Peace River Region of Alberta and British Columbia. In the Peace River Region, observe a minimum 34 months recropping interval for non-**Clearfield** canola, flax and non-**Clearfield** sunflower, and perform a field bio-assay the year prior to planting to confirm normal growth of the crops. If the crops show signs of injury, delay planting by an additional year and perform an additional field bio-assay the following year.

**WARNING:** Certain environmental conditions may delay the breakdown of herbicide residues in soil. These conditions include but are not limited to drought, extremes in soil pH and excessive cold. Under these conditions, the level of phytotoxic herbicide residues present in the field the season following an application may result in an increased potential for injury to succeeding crops to occur. This potential for increased residues under these environmental conditions is not unique to any specific herbicide or herbicide group but is a property of those herbicides which persist in the soil and are dependent on soil microbial activity and other non-microbial processes (e.g. hydrolysis) to breakdown.

There are insufficient data for other follow crops. Conduct a field bioassay (a test strip grown to maturity) the year before growing any crop other than those listed above.

## **RESISTANCE MANAGEMENT RECOMMENDATIONS**

For resistance management, **ODYSSEY ULTRA NXT Herbicide Tank-Mix** is both a Group 1 and a Group 2 herbicide. Any weed population may contain or develop plants naturally resistant to **ODYSSEY ULTRA NXT Herbicide Tank-Mix** and other Group 1 and Group 2 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 **ODYSSEY ULTRA NXT Herbicide Tank-Mix** or other Group 1 and 2 herbicides within a growing season (sequence) or among 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 BASF at 1-877-371-2273 or at [www.agsolutions.ca](http://www.agsolutions.ca).

<sup>1</sup> *Methods of growing plants which are resistant to certain acetohydroxyacid synthase (AHAS) herbicides are protected by Canadian Patent No. 1341465. Other applicable patents include Canadian Patent Application No. 2447445. The use of this product in the practice of patented methods could constitute patent infringement. Further information can be obtained by contacting BASF Canada at 1-877-371-2273.*

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