

# Torpedo<sup>®</sup> EZ Herbicide

SUSPENSION CONCENTRATE  
COMMERCIAL

**FOR CONTROL OR SUPPRESSION OF LABELLED WEEDS IN FALLOW LAND AND  
NON CROP AREAS**

**ACTIVE INGREDIENTS:**

Flumioxazin.....	160.0 g/L
Pyroxasulfone.....	203.0 g/L

Contains 1,2-benzisothiazolin-3-one at 0.04% as a preservative, or contains 5-Chloro-2-methyl-4-isothiazolin-3-one at 0.0017% and 2-methyl-4-isothiazolin-3-one at 0.0006% as preservatives

**READ THE LABEL BEFORE USE**  
**KEEP OUT OF REACH OF CHILDREN**

REGISTRATION NO.: 33872 PEST CONTROL PRODUCTS ACT

**Net Contents: 0.05 Litres– Bulk**

Valent Canada, Inc.  
201-230 Hanlon Creek Blvd.,  
Guelph, Ontario N1C 0A1  
Phone: 519-767-9262

## 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.

## FIRST AID

**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.

**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 the person to fresh air. If the 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 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.

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

***IN CASE OF EMERGENCY INVOLVING A MAJOR SPILL OR POISONING CALL  
1-800-892-0099***

## TOXICOLOGICAL INFORMATION

There is no specific antidote for this product. Apply symptomatic therapy.

## PRECAUTIONS

**KEEP OUT OF THE REACH OF CHILDREN.** Harmful if absorbed through skin. Avoid contact with skin or clothing.

Follow the personal protective equipment, engineering control, and restriction requirements for the appropriate mixer/loader and applicator scenario as described in the table below:

Application Equipment	Personal Protective Equipment and Engineering Controls		Maximum Amount of Product Handled per Day
	Mixer/Loader/Clean-up and Repair	Applicator	

Application Equipment	Personal Protective Equipment and Engineering Controls		Maximum Amount of Product Handled per Day
	Mixer/Loader/Clean-up and Repair	Applicator	
Groundboom	<b>Open mixing/loading:</b> Wear a long-sleeved shirt, long pants, socks, shoes, and chemical-resistant gloves.	<b>Open cab:</b> Wear a long-sleeved shirt, long pants, socks, shoes, and chemical-resistant gloves.	140 L
	<b>Open mixing/loading:</b> Wear chemical-resistant coveralls over long sleeved-shirt, long pants, socks, chemical-resistant footwear and chemical-resistant gloves.	<b>Open cab:</b> Wear chemical-resistant coveralls over long-sleeved shirt, long pants, socks, chemical-resistant footwear and chemical-resistant gloves.	240 L
		<b>Closed cab<sup>1</sup>:</b> Wear a long-sleeved shirt, long pants, socks and shoes.  Gloves are not required within a closed cab.	345 L
Right-of-Way Sprayer	<b>Open mixing/loading:</b> Wear chemical-resistant coveralls over long-sleeved shirt, long pants, socks, chemical-resistant footwear and chemical-resistant gloves.	<b>Open cab:</b> Wear chemical-resistant coveralls over long-sleeved shirt, long pants, socks, chemical-resistant footwear and chemical-resistant gloves.	28 L
Manually-Pressurized Handheld Equipment	<b>Open mixing/loading:</b> Wear a long-sleeved shirt, long pants, socks and shoes, and chemical-resistant gloves.		11 L
Backpack Sprayer			2.4 L

<sup>1</sup> A closed cab provides both a physical barrier and respiratory protection (such as dust/mist filtering and/or vapour/gas purification system). The closed cab must have a chemical-resistant barrier that totally surrounds the occupant and prevents contact with pesticides outside the cab.

Do not eat, drink or smoke during work. Wash hands and face thoroughly before eating, drinking, smoking, chewing gum, or using the toilet. Immediately wash off accidental splashes of the concentrate or spray mixture from skin, clothing and out of eyes. Remove clothing immediately if pesticide gets inside. Wash thoroughly and put on clean clothing. After work, change clothing and wash entire body thoroughly. Wash contaminated working clothes separately from other laundry before reuse.

Do not apply when weather conditions favour spray drift from treated areas. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Keep all unprotected persons out of operating areas, or vicinity where there may be drift. Only protected handlers may be in the area during application.

Apply only when the potential for drift to areas of human habitation and 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.

When tank-mixes are permitted, read and observe all label directions, including rates and restrictions for each product used in the tank-mix. Follow the more stringent label precautionary measures for mixing, loading and applying stated on both product labels.

Do not enter or allow entry into treated areas until the sprays have dried.

Do not apply to farm alleys or roads where traffic may result in treated dust settling onto crops or other

desirable vegetation.

Do not apply within 100 metres of non-dormant pears.

Do not apply to powdery soils or soils that are susceptible to wind displacement unless irrigation can be applied immediately after application.

Read and understand the entire label before opening this product. If you have any questions, call the manufacturer at 519-767-9262 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:

### **ENVIRONMENTAL PRECAUTIONS**

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

Toxic to certain beneficial arthropods (which may include predatory and parasitic insects, spiders, and mites). Minimize spray drift to reduce harmful effects on beneficial arthropods in habitats next to the application site such as hedgerows and woodland.

This product demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this product in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

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 filter strip between the treated area and the edge of the water body.

### **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 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.

## STORAGE

Store this product away from food or feed. Keep pesticide in original container. Store in a cool, dry, secure place. Do not put formulation or dilute spray solution into food or drink containers. Do not transport near feed or food. Not for use or storage in or around the home.

## RESISTANCE MANAGEMENT

For resistance management, please note that Torpedo EZ Herbicide is both a Group 14 and a Group 15 herbicide. Any weed population may contain or develop plants naturally resistant to Torpedo EZ Herbicide and other Group 14 and/or Group 15 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 Torpedo EZ Herbicide or other Group 14 and /or Group 15 herbicides within a growing season (sequence) or among growing 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 and to report suspected resistance, contact Valent Canada at 519-767-9262.

## 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.
- Do not apply by air.

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 S527.1) medium classification. Boom height must be 60 cm or less above the crop or ground.

**Shake Torpedo EZ Herbicide well before use.**

**Spray equipment used to apply Torpedo EZ Herbicide should not be used to apply other materials to any crop foliage, unless the proper cleanout procedure is followed. See “SPRAYER CLEANUP” for more information.**

### **SPRAYER PREPARATION**

Before applying Torpedo EZ Herbicide, start with clean, well maintained application equipment. The spray tank, as well as all hoses and booms, must be cleaned to ensure no residue from the previous spraying operation remains in the sprayer. Some pesticides, including but not limited to, the sulfonyleurea and phenoxy herbicides are active at very small amounts and can cause crop injury when applied to susceptible crops. The spray equipment must be cleaned according to the manufacturer's directions for the last product used before the equipment is used to apply Torpedo EZ Herbicide. If two or more products were tank mixed prior to Torpedo EZ Herbicide application, the most restrictive cleanup procedure should be followed.

### **MIXING INSTRUCTIONS**

1. Fill clean spray tank 1/2 to 2/3 of desired level with clean water.
2. While agitating, slowly add Torpedo EZ Herbicide to the spray tank. Agitation should create a rippling or rolling action on the water surface.
3. If tank mixing Torpedo EZ Herbicide with other labelled herbicides follow the WAMLEGS [Wettable powders/ flowable, Agitate Anti-foaming compounds/buffers, Microcapsule suspension, Liquid and soluble, Emulsifiable concentrates, High load Glyphosates, Surfactants] mixing order system:
  - Add water soluble bags first
  - Followed by dry formulations, flowables, emulsifiable concentrates and then solutions.
  - Prepare no more spray mixture than is required for the immediate spray operation.
4. Add any required adjuvants.
5. Fill spray tank to desired level with water. **Agitation should continue until all spray solution has been applied.**
6. Mix only the amount of spray solution that can be applied the day of mixing. Torpedo EZ Herbicide should be applied within 6 hours of mixing.

### **APPLICATION METHOD**

Torpedo EZ Herbicide is applied by ground. Application equipment should be clean and in good repair. Nozzles should be uniformly spaced on boom and frequently checked for accuracy. Apply Torpedo EZ Herbicide, and Torpedo EZ Herbicide tank mixes, with ground equipment using standard commercial sprayers equipped with flat fan (preplant or preemergence applications only) designed to deliver the desired spray pressure and spray volume.

## CARRIER VOLUME AND SPRAY PRESSURE

**Preemergence Application (Conventional Tillage):** To ensure uniform coverage, use 100 to 300 L of spray solution per hectare for conventional tillage applications. Nozzle selection should meet manufacturer's volume and pressure recommendations for preemergence herbicide application.

**Burndown Application:** To ensure thorough coverage in burndown applications, use 150 to 600 L spray solution per hectare. Use 200 to 600 L per hectare if dense vegetation or heavy crop residue is present. Nozzle selection should meet manufacturer's volume and pressure recommendations for postemergence herbicide application. Do not use flood jet nozzles.

## SPRAY BUFFER ZONES:

A spray buffer zone is NOT required for:

- uses with hand-held application equipment permitted on this label,
- low-clearance hooded or shielded sprayers that prevent spray contact with crop, or foliage

For application to rights-of-way, spray buffer zones for protection of sensitive terrestrial habitats are not required; however, the best available application strategies which minimize off-site drift, including meteorological conditions (e.g., wind direction, low wind speed) and spray equipment (e.g., coarse droplet sizes, minimizing height above canopy), should be used. Applicators must, however, observe the specified spray buffer zones for protection of sensitive aquatic habitats.

The spray 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 application	Crop	Spray Buffer Zones (metres) Required for the Protection of:				
		Freshwater Habitat of Depths:		Marine Habitat of Depths:		Terrestrial Habitat
		Less than 1 m	Greater than 1 m	Less than 1 m	Greater than 1 m	
Field sprayer	Bare ground on non-crop areas	5	3	5	3	20
	Fallow land	4	2	3	2	10

When tank mixes are permitted, consult the labels of the tank-mix partners and observe the largest (most restrictive) spray 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 buffer zones for this product can be modified based on weather conditions and spray

equipment configuration by accessing the Spray Buffer Zone Calculator on the Pesticides portion of the Canada.ca website.

### SPRAYER CLEANUP

Spray equipment, including mixing vessels and nurse tanks, must be cleaned each day following Torpedo EZ Herbicide application. After Torpedo EZ Herbicide is applied, the following steps must be used to clean the spray equipment:

1. Completely drain the spray tank, rinse the sprayer thoroughly, including the inside and outside of the tank and all in-line screens.
2. Fill the spray tank with clean water and flush all hoses, booms, screens and nozzles.
3. Top off tank, add 3.8 litres of 3% household ammonia (or equivalent) for every 378.5 L of water, circulate through sprayer for 5 minutes, and then flush all hoses, booms, screens and nozzles for a minimum of 15 minutes. If diaphragms are being used on the spray boom, loosen diaphragms before flushing the spray system, allowing cleaning solution to spray through the open diaphragm. If spray lines have any end caps, they must be loosened before flushing the system, allowing cleaning solution to spray through the loosened caps. To enhance removal of Torpedo EZ Herbicide from the spray system, add a tank cleaner in place of ammonia and allow the cleaning solution to remain in the pressurized spray system (spray tank, hoses and boom) for 8 hours before flushing the system for a minimum of 15 minutes.
4. Drain tank completely.
5. Add enough clean water to the spray tank to allow all hoses, booms, screens and nozzles to be flushed for 2 minutes.
6. Remove all nozzles and screens and rinse them in clean water.

Spray equipment, including all tanks, hoses, booms, screens and nozzles, should be thoroughly cleaned before it is used to apply postemergence pesticides. Equipment with Torpedo EZ Herbicide residue remaining in the system may result in crop injury to the subsequently treated crop.

### ROTATIONAL RESTRICTIONS

The following rotational crops may be planted after applying Torpedo EZ Herbicide at the listed rate range. Planting earlier than the recommended rotational interval may result in crop injury.

Torpedo EZ Herbicide rate	Crops	Rotational Intervals
440-660 mL/ha	Soybean, chickpea, field pea	Immediately
	Field corn, wheat (spring and winter)	7 days
	Lentil	6 months
	Barley, durum wheat, oats and alfalfa *	11 months
	Canola, mustard seed	12 months
	Successful soil bio-assay must be performed prior to planting crops not listed above.	

\*At rates higher than 440 mL/ha, follow a 12 month rotational interval.

### GENERAL INFORMATION

**When used in accordance with this label, Torpedo EZ Herbicide:**

- Provides residual control of susceptible weeds in fallow land.
- Provides additional burndown activity when used as part of a burndown program in fallow

- land.
- Can be used on farms for non-selective vegetation control to maintain bare ground non-crop areas that must be kept weed free.
- Can be used to maintain bareground in non-crop areas.

Moisture is necessary to activate Torpedo EZ Herbicide in soil for residual weed control. Dry weather following applications of Torpedo EZ Herbicide may reduce effectiveness. However, when adequate moisture is received after dry conditions, Torpedo EZ Herbicide will control susceptible germinating weeds. Torpedo EZ Herbicide may not control weeds that germinate after application but before an activating rainfall/irrigation or weeds that germinate through cracks resulting from dry soil. When adequate moisture is not received after a Torpedo EZ Herbicide application, weed control may be improved by irrigation with at least 1.5-2.5 cm of water.

### **Burndown Application**

Apply Torpedo EZ Herbicide as part of a burndown program to actively growing weeds. Applying Torpedo EZ Herbicide under conditions that do not promote active weed growth will reduce herbicide effectiveness. Do not apply Torpedo EZ Herbicide when weeds are under stress due to drought, excessive water, temperature extremes, disease or low humidity. Weeds under stress tend to become less susceptible to herbicidal action. Torpedo EZ Herbicide is most effective when applied under warm sunny conditions.

Burndown applications should be made in combination with other foliar herbicides such as glyphosate or other tank-mix partners.

Reduced residual weed control may occur when burndown applications are made to fields where heavy crop and/or weed residue exist.

For fall burndown: Application should be made in the fall, prior to freeze-up and when winter annuals and perennial weeds are still growing to allow for optimum herbicide absorption and activity. Applications made after a killing frost will result in reduced perennial and winter annual weed control. Do not apply to snow covered or frozen soil. Abnormally warm winters may reduce the length of weed control observed in the spring.

### **Rainfastness**

Torpedo EZ Herbicide is rainfast one hour after application. Do not apply Torpedo EZ Herbicide if rain is expected within one hour of application or postemergence efficacy may be reduced.

### **Soil Characteristics**

Application of Torpedo EZ Herbicide to soils with high organic matter and/or high clay content may require higher dosages than soils with low organic matter and/or low clay content. Application to cloddy seedbeds can result in reduced weed control.

### **GENERAL USE PRECAUTIONS**

- Do not apply this product when weather conditions favor spray drift from treated areas.
- Do not apply during low-level inversion conditions, including fog.
- Do not apply to frozen or snow covered soil.
- Mechanical incorporation into the soil will reduce residual weed control. Do not perform any tillage operations after application or weed control will be reduced.
- Do not graze treated fields or feed treated forage or hay to livestock.

**DIRECTIONS FOR USE IN FALLOW LAND**

Torpedo EZ Herbicide, at 440 to 660 mL/ha, can be used in combination with labeled burndown herbicides to control emerged weeds and provide residual weed control. Weeds controlled by residual activity are listed in Table 1.

**Table 1. Weeds Controlled by Torpedo EZ Herbicide in Fallow Land**

WEEDS CONTROLLED	RATE (mL/ha)	COMMENTS
<p>Annual sowthistle (<i>Sonchus oleraceus</i>)  Canada fleabane (<i>Conyza canadensis</i>)  Cleavers (<i>Galium aparine</i>)  Common Barnyard grass (<i>Echinochloa crusgalli</i>)  Common chickweed (<i>Stellaria media</i>)  Common lamb's-quarters (<i>Chenopodium album</i>)  Common ragweed (<i>Ambrosia artemisiifolia</i>)  Common Waterhemp (<i>Amaranthus tamariscinus</i>), including biotypes resistant to herbicide groups 2, 5 and 9  Dandelion (<i>Taraxacum officinale</i>)  Eastern black nightshade (<i>Solanum ptycanthum</i>)  Green foxtail including Group 1 and 2 resistant (<i>Setaria viridis</i>)  Green pigweed (<i>Amaranthus powellii</i>)  Hairy nightshade (<i>Solanum sarachoides</i>)  Kochia (<i>Kochia scoparia</i>) including Group 2, 4, and 9 resistant kochia  Large crabgrass (<i>Digitaria sanguinalis</i>)  Palmer amaranth (<i>Amaranthus palmeri</i>)  Pennsylvania smartweed (<i>Polygonum pensylvanicum</i>)  Redroot pigweed (<i>Amaranthus retroflexus</i>)  Velvetleaf (<i>Abutilon theophrasti</i>)  Wild buckwheat (<i>Polygonum convolvulus</i>)  Wild mustard, including Group 2 resistant (<i>Sinapis arvensis</i>)</p> <p><i>Suppression only:</i>  Downy brome (<i>Bromus tectorum</i>)  Foxtail barley (<i>Hordeum jubatum</i>)  Japanese brome (<i>Bromus japonicas</i>)  Russian thistle (<i>Salsola spp.</i>)  Volunteer canola (<i>Brassica napus</i>), including glyphosate, glufosinate ammonium and imidazolinone tolerant varieties  Wild oats (<i>Avena fatua</i>)</p>	<p>440-660*</p>	<p>Preemergence:  Apply prior to weed emergence.</p> <p>Postemergence:  When weeds are already emerged, apply Torpedo EZ Herbicide as a tank mix<sup>1</sup> with a glyphosate product, present as isopropyl amine or potassium salt, at 1.2 kg a.e./ha.</p> <p>Use the higher rates on fine-medium texture soils for longer residual control.</p>

<sup>1</sup>: Refer to the respective tank mix partner label for additional recommendations, restrictions and precautions. Follow the most restrictive application directions for each of the tank mix partners.

**DIRECTIONS FOR USE TO MAINTAIN BARE GROUND ON NON-CROP AREAS OF FARMS**

Use Torpedo EZ Herbicide for non-selective vegetation control to maintain bare ground on non-crop areas of farms that must be kept weed free.

Torpedo EZ Herbicide offers residual and postemergence control of susceptible broadleaf and grass weeds as well as an additional mode of action to assist in the control of ALS (acetolactate synthase) resistant weeds. Torpedo EZ Herbicide can be tank mixed with the other herbicides for increased residual or postemergence control. The length of residual control is dependent on the rate applied as well as on rainfall and temperature conditions. Length of residual control will decrease as temperature and precipitation increase. Torpedo EZ Herbicide rates of 880 to 1215 mL/ha are required to provide residual control of the weeds listed in Table 2 below.

**USE PRECAUTIONS**

- Do not apply to farm alleys or roads where traffic may result in treated dust settling onto crops or other desirable vegetation.
- Do not apply to ditch banks.
- Do not apply within 100 metres of non-dormant pears.
- Do not apply to powdery soils or soils that are susceptible to wind displacement unless irrigation can be applied immediately after application.
- Do not make more than one application per season.

**PREEMERGENCE APPLICATION**

Apply 880 to 1215 mL/ha of Torpedo EZ Herbicide as a preemergence application. Preemergence applications of Torpedo EZ Herbicide must be completed prior to weed emergence. Moisture is necessary to activate Torpedo EZ Herbicide on soil for residual weed control. Dry weather following application of Torpedo EZ Herbicide may reduce effectiveness. However, when adequate moisture is received after dry conditions, Torpedo EZ Herbicide will control susceptible germinating weeds.

**POSTEMERGENCE APPLICATION**

Apply 880 to 1215 mL/ha of Torpedo EZ Herbicide plus an adjuvant (0.25% v/v non-ionic surfactant) as a postemergence application. The addition of an adjuvant enhances Torpedo EZ Herbicide activity on emerged weeds. Thorough spray coverage is necessary to maximize the postemergence activity of Torpedo EZ Herbicide. Emerged weeds are controlled postemergence with Torpedo EZ Herbicide, however, translocation of Torpedo EZ Herbicide within a weed is limited, and control is affected by spray coverage and by the addition of an adjuvant. The most effective postemergence weed control with Torpedo EZ Herbicide occurs when applied in combination with a surfactant to weeds less than 5 cm in height. A tank mix partner should be used in combination with Torpedo EZ Herbicide for the postemergence control of weeds less than 5 cm.

**Table 2. Weeds Controlled by Torpedo EZ Herbicide in Non-Crop and Bareground Areas**

WEEDS CONTROLLED	RATE (mL/ha)	COMMENTS
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<p>Annual sowthistle (<i>Sonchus oleraceus</i>)  Canada fleabane (<i>Conyza canadensis</i>)  Cleavers (<i>Galium aparine</i>)  Common Barnyard grass (<i>Echinochloa crusgalli</i>)  Common lamb's-quarters (<i>Chenopodium album</i>)  Common ragweed (<i>Ambrosia artemisiifolia</i>)  Common Waterhemp (<i>Amaranthus tamariscinus</i>), including biotypes resistant to herbicide groups 2, 5 and 9  Dandelion (<i>Taraxacum officinale</i>)  Eastern black nightshade (<i>Solanum ptycanthum</i>)  Green foxtail, including Group 1 and 2 resistant (<i>Setaria viridis</i>)  Green pigweed (<i>Amaranthus powellii</i>)  Hairy nightshade (<i>Solanum sarachoides</i>)  Kochia (<i>Kochia scoparia</i>) including Group 2, 4, and 9 resistant kochia  Large crabgrass (<i>Digitaria sanguinalis</i>)  Palmer amaranth, (<i>Amaranthus palmeri</i>)  Pennsylvania smartweed (<i>Polygonum pensylvanicum</i>)  Redroot pigweed (<i>Amaranthus retroflexus</i>)  Velvetleaf (<i>Abutilon theophrasti</i>)  Wild buckwheat (<i>Polygonum convolvulus</i>)  Wild mustard, including Group 2 resistant (<i>Sinapis arvensis</i>)  Witchgrass (<i>Panicum capillare</i>)</p> <p><i>Suppression only:</i>  Downy brome (<i>Bromus tectorum</i>)  Foxtail barley (<i>Hordeum jubatum</i>)  Japanese brome (<i>Bromus japonicas</i>)  Russian thistle (<i>Salsola spp.</i>)  Volunteer canola (<i>Brassica napus</i>), including glyphosate, glufosinate ammonium and Imidazolinone tolerant varieties  Wild oats (<i>Avena fatua</i>)</p>	<p>880 - 1215</p>	<p>Preemergence: Apply prior to weed emergence.</p> <p>Postemergence: When weeds are already emerged, apply Torpedo EZ Herbicide plus an adjuvant (0.25% v/v non-ionic surfactant) or in a tank mix<sup>1</sup></p> <p>Use the higher rates on fine-medium texture soils for longer residual control.</p>
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<sup>1</sup>: Refer to the respective tank mix partner label for additional recommendations, restrictions and precautions. Follow the most restrictive application directions for each of the tank mix partners.

**TANK MIX PARTNERS:** Completely read and follow the label of any potential tank mix partner with Torpedo EZ Herbicide. When applied as a tank-mix combination, read and observe all label directions, including rates, personal protective equipment, restrictions and precautions for each product used in the tank-mix. Always use in accordance with the most restrictive label restrictions and precautions. Recommended tank mix partners include glyphosate, 2,4-D, Ester and Liberty 200 SN .

**DIRECTIONS FOR USE TO MAINTAIN BARE GROUND FOR INDUSTRIAL VEGETATION MANAGEMENT (IVM)**

Torpedo EZ Herbicide, when used as directed, can be used for non-selective vegetation control to maintain bare ground non-crop areas that must be kept weed-free. Apply Torpedo EZ Herbicide to:

- Bare ground under guardrails, above-ground pipelines, railroad beds, railroad yards and surrounding areas
- Bare ground in parking and storage areas, plant sites, substations, pumping stations, and tank farms
- Bare ground areas of airports, brickyards, industrial plant sites, lumber yards and military installations, and storage areas
- Bare ground around farm buildings and along fencerows
- Road surfaces, improved roadside areas and gravel shoulders

#### USE PRECAUTIONS

- Do not apply when weather conditions favor spray drift from treated areas.
- Do not apply to ditch banks.
- Do not apply to farm alleys or roads where traffic may result in treated dust settling onto crops or other desirable vegetation.
- Do not apply within 100 metres of non-dormant pears.
- Do not apply to powdery soils or soils that are susceptible to wind displacement unless irrigation can be applied immediately after application.
- Do not make more than one application per season.

Torpedo EZ Herbicide offers residual and postemergence control of susceptible broadleaf and grass weeds as well as an additional mode of action to assist in the control of ALS (acetolactate synthase) resistant weeds. Torpedo EZ Herbicide can be tank mixed with other herbicides for increased residual or postemergence control. The length of residual control is dependent on the rate applied as well as on rainfall and temperature conditions. Length of residual control will decrease as temperature and precipitation increase. Torpedo EZ Herbicide at 880 - 1215 mL/ha is required to provide residual control of the weeds listed in Table 2.

#### TIMING TO WEEDS

##### PREEMERGENCE APPLICATION

Apply 880 - 1215 mL /ha of Torpedo EZ Herbicide as a preemergence application. Preemergence applications of Torpedo EZ Herbicide should be made to a weed-free soil surface. Preemergence applications of Torpedo EZ Herbicide must be completed prior to weed emergence. Moisture is necessary to activate Torpedo EZ Herbicide on soil for residual weed control. Dry weather following application of Torpedo EZ Herbicide may reduce effectiveness. However, when adequate moisture is received after dry conditions, Torpedo EZ Herbicide will control susceptible germinating weeds.

##### POSTEMERGENCE APPLICATION

Apply 880 - 1215 mL/ha of Torpedo EZ Herbicide plus an adjuvant (0.25% v/v non-ionic surfactant) as a postemergence application. The addition of an adjuvant enhances Torpedo EZ Herbicide activity on emerged weeds. Thorough spray coverage is necessary to maximize the postemergence activity of Torpedo EZ Herbicide. Emerged weeds are controlled postemergence with Torpedo EZ Herbicide, however, translocation of Torpedo EZ Herbicide within a weed is limited, and control is affected by spray coverage and by the addition of an adjuvant. The most effective postemergence weed control with Torpedo EZ Herbicide occurs when applied in combination with a surfactant to weeds less than 5 cm in height. A tank mix partner should be used in combination with Torpedo EZ Herbicide for the postemergence control of weeds less than 5 cm.

TANK MIX PARTNERS: Completely read and follow the label of any potential tank mix partner with Torpedo EZ Herbicide. When applied as a tank-mix combination, read and observe all label directions, including rates, personal protective equipment, restrictions and precautions for each product used in the tank-mix. Always use in accordance with the most restrictive label restrictions and precautions. Recommended tank mix partners include 2,4-D Ester, Hyvar XL, Krovar, Telar, Vanquish, Banvel, Karmex, Velpar, Arsenal, Tordon and Garlon.

Torpedo is a registered trademark of Valent U.S.A. LLC  
All other products mentioned are the trademarks or registered trademarks of their respective companies.

# Torpedo<sup>®</sup> EZ Herbicide

SUSPENSION CONCENTRATE  
COMMERCIAL

**FOR CONTROL OR SUPPRESSION OF LABELLED WEEDS IN FALLOW LAND AND  
NON CROP AREAS**

**ACTIVE INGREDIENTS:**

Flumioxazin.....	160.0 g/L
Pyroxasulfone.....	203.0 g/L

Contains 1,2-benzisothiazolin-3-one at 0.04% as a preservative, or contains 5-Chloro-2-methyl-4-isothiazolin-3-one at 0.0017% and 2-methyl-4-isothiazolin-3-one at 0.0006% as preservatives

**READ THE LABEL BEFORE USE**  
**KEEP OUT OF REACH OF CHILDREN**

REGISTRATION NO.: 33872 PEST CONTROL PRODUCTS ACT

**Net Contents: 0.05 Litres – Bulk**

Valent Canada, Inc.  
201-230 Hanlon Creek Blvd.,  
Guelph, Ontario N1C 0A1

Phone: 519-767-9262

## 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.

## FIRST AID

**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.

**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 the person to fresh air. If the 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 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.

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

***IN CASE OF EMERGENCY INVOLVING A MAJOR SPILL OR POISONING CALL  
1-800-892-0099***

## TOXICOLOGICAL INFORMATION

There is no specific antidote for this product. Apply symptomatic therapy.

## PRECAUTIONS

**KEEP OUT OF THE REACH OF CHILDREN.** Harmful if absorbed through skin. Avoid contact with skin or clothing.

Follow the personal protective equipment, engineering control, and restriction requirements for the appropriate mixer/loader and applicator scenario as described on the booklet label.

## ENVIRONMENTAL PRECAUTIONS

See booklet for full user precautions and restrictions.

## **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 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.

## **STORAGE**

Store this product away from food or feed. Keep pesticide in original container. Store in a cool, dry, secure place. Do not put formulation or dilute spray solution into food or drink containers. Do not transport near feed or food. Not for use or storage in or around the home.