



## OnDeck™ Herbicide

GROUP	27	6	HERBICIDES
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For postemergent control of select broadleaved and grass weeds in spring wheat, durum wheat, winter wheat and barley.

AGRICULTURAL

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

<b>ACTIVE INGREDIENTS:</b> topyralate	18.7 g/L
bromoxynil, present as octanoate ester	186.6 g/L

Warning, contains the allergen sulfites.  
Emulsifiable Concentrate



WARNING POISON

EYE IRRITANT AND SKIN IRRITANT  
POTENTIAL SKIN SENSITIZER

REGISTRATION NO. 34709 PEST CONTROL PRODUCTS ACT

**NET CONTENTS:** 1 L - bulk

**Corteva Agriscience Canada Company**  
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Calgary, AB  
T2C 5G9  
1-800-667-3852

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## **PRECAUTIONS**

### **KEEP OUT OF REACH OF CHILDREN**

Potential skin sensitizer.

May be fatal if swallowed or absorbed through the skin. Avoid contact with skin or clothing.

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

Apply only to agricultural crops 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.

Wear coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks and chemical-resistant footwear during mixing, loading, application, clean-up and repair. In addition, wear protective eyewear (goggles or faceshield) during mixing, loading, cleanup and repair. Gloves are not required during application within a closed cab and/or cockpit. Rinse gloves before removal.

Do not allow the pilot to mix chemicals to be loaded onto the aircraft. The pilot is allowed to load premixed chemicals with a closed system.

It is desirable that the pilot have communication capabilities at each treatment site at the time of application.

All personnel on the job site must wash hands and face thoroughly before eating and drinking. Protective clothing, aircraft cockpit and vehicle cabs must be decontaminated regularly.

**At completion of spraying or end of the day:** Take a shower immediately. Wash thoroughly with soap and water before eating, drinking or smoking. Remove contaminated clothing at the end of the work session and store and wash separately from household laundry using detergents and hot water before reuse.

## **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**

No specific antidote. Employ supportive care. Treatment should be based on the judgment of the physician in response to reactions of the patient. THIS PRODUCT CONTAINS PETROLEUM DISTILLATES. VOMITING MAY CAUSE ASPIRATION PNEUMONIA.

## **AGRICULTURAL CHEMICAL**

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

## **ENVIRONMENTAL PRECAUTIONS**

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

This product contains active ingredients and aromatic petroleum distillates which are toxic to aquatic organisms.

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.

## **STORAGE**

Store this product away from food or feed.

Store in original containers in a secure, dry heated storage. Do not allow contamination of seeds, plants, fertilizers or other pesticides. 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**

### **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 or territorial requirements.

### **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).

### **Disposal of unused, unwanted product**

For information on disposal of unused, unwanted product, contact the registrant or the provincial or territorial regulatory agency. Contact the registrant and the provincial or territorial regulatory agency in case of a spill, and for clean-up of spills.

## **GENERAL INFORMATION**

OnDeck™ is a postemergence herbicide for the control of select broadleaved and grass weeds in spring wheat, durum wheat, winter wheat, and barley, not underseeded with legumes or forages. OnDeck Herbicide is mixed with water and applied as a uniform broadcast spray either by ground or aerial application.

OnDeck Herbicide contains tolpyralate a Group 27 (HPPD inhibitor) and bromoxynil a Group 6 (photosynthesis inhibitor) herbicides. OnDeck Herbicide most common symptoms include bleaching of new plant growth and yellowing of leaves (margins, tips or veins). Symptoms will appear soon after application (within 1-5 days), but full necrosis of target weeds may take longer depending upon growing conditions and weed susceptibility.

OnDeck Herbicide is absorbed by actively growing plant tissue and roots. Thorough coverage of the weeds is essential for consistent control.

OnDeck Herbicide must be applied early postemergence, to the main flush of actively growing weeds. Warm, moist growing conditions promote active weed growth and enhance the activity of OnDeck Herbicide by allowing maximum foliar uptake and activity. Weeds hardened off by cold weather or drought stress may not be adequately controlled or suppressed and re-growth may occur. For best results, ensure thorough spray coverage of target weeds. Under certain environmental conditions slight delay on barley development can be present; the delay is transient and will not have an impact on yield. See DIRECTIONS FOR USE section of this label for complete use details.

## **GENERAL USE PRECAUTIONS**

### **Sensitive Plants**

Do not apply OnDeck Herbicide directly to, or otherwise permit it to come in direct contact with susceptible crops or desirable plants including tame oats, canola, alfalfa, edible beans, flax, flowers and ornamentals, lentils, lettuce, peas, potatoes, radishes, soybeans, sugar beets, sunflowers, tomatoes or tobacco.

### **Non-Target Sites**

Do not apply where proximity of susceptible crops (e.g. canola and legumes) or other desirable plants is likely to result in exposure to spray or spray drift. See ENVIRONMENTAL PRECAUTIONS section of this label.

### **Crop Rotation**

<b>Crop</b>	<b>Replant/Rotational interval</b>
Corn (sweet corn, seed corn and popcorn),	Immediate
Rye (annual and fall) and winter wheat	3 months

Alfalfa, Bean, dry, Bean, green (including seed production), Chickpeas, Cabbage, Canola (rapeseed), Juncea, Argentine, Polish canola, Abyssinian, oriental, brown and yellow mustard, Camelina, Flax, Grass, grown for seed or forage, Lentils, Oats, Peas, field and edible, Potato (not for seed), Snap beans, Sorghum, Soybean, Cucurbits, Sunflower, Tomato	10 months
All other rotational crops	22 months

### **Tank Mixtures**

This product may be tank mixed with a fertilizer, a supplement, or with registered pest control products, whose labels also allow tank mixing, provided the entirety of both labels, including Directions For Use, Precautions, Restrictions, Environmental Precautions, and Spray Buffer Zones are followed for each product. In cases where these requirements differ between the tank mix partner labels, the most restrictive label must be followed. Do not tank mix products containing the same active ingredient unless specifically listed on this label.

In some cases, tank mixing pest control products can result in reduced pesticide efficacy or increased host crop injury. The user should contact Corteva Agriscience Canada Company at 1-800-667-3852 or [www.corteva.ca](http://www.corteva.ca) for information before applying any tank mix that is not specifically recommended on this label.

### **Spray Equipment Precaution**

Do not apply through any type of irrigation system.

### **To Reduce Spray Drift:**

1. Use nozzles delivering higher volumes and coarser droplets.
2. Use low pressures (200 to 275 kPa).
3. Use a minimum of 100 L/ha of spray solution.
4. Spray when the wind velocity is 15 km/hr or less.
5. Spot treatments should only be applied with a calibrated boom to prevent over-application.

### **Sprayer clean-out**

To avoid injury to desirable plants, thoroughly clean equipment used to apply this product before re-use or using it to apply other chemicals.

1. Immediately after spraying, completely drain the sprayer tank. Any contamination on the outside of the spraying equipment should be removed by washing with clean water.
2. First rinse:
  - Spray the inside of tank with clean water and fill the sprayer with at least one tenth of the spray tank volume.
  - Agitate and circulate for 15 minutes, and flush through booms and hoses.

- Remove end caps or open ball valves on the ends of each boom section, and flush solution through the boom ends to ensure there is no spray solution trapped between the boom end and the nozzles.
  - Drain tank completely.
3. Second rinse:
- Fill the tank with clean water.
  - Add All Clear Spray Tank Decontaminator as per manufacturer's recommendations while filling the tank with clean water or a comparable product.
  - Agitate and then flush the boom and hoses with the cleaning solution. Top up with water making sure the tank is completely full. Allow to stand for 15 minutes with agitation. Flush the solution out of the spray tank through the spray booms. Remove end caps or open ball valves on the ends of each boom section, and flush solution through the boom ends to ensure there is no spray solution trapped between the boom end and the nozzles.
  - If possible, let the solution stand in the sprayer tank and booms for an extended period of time, overnight if possible.
  - After flushing the boom and hoses, drain tank completely.
  - Remove nozzles and all main filter and nozzle screens and clean separately with a cleaning agent or an ammonia solution (100 mL in 10 L water).
4. Third rinse:
- Rinse the tank with clean water and flush through the boom and hoses using at least one tenth of the spray tank volume.
  - Remove end caps or open ball valves on the ends of each boom section, and flush solution through the boom ends to ensure there is no spray solution trapped between the boom end and the nozzles.
  - Drain tank completely.

**Do not** use ammonia with chlorine bleach. Using ammonia with chlorine bleach will release a gas with a musty chlorine odour which may cause eye, nose, throat, and lung irritation. Do not clean equipment in an enclosed area.

### **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 UNDERSEEDDED WITH LEGUMES.

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.

### **APPLICATION METHODS**

#### **(1) Ground Application**

Using ground equipment, apply OnDeck Herbicide as a broadcast treatment at the recommended rate as specifically listed in the DIRECTIONS FOR USE section of this label.

#### **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 S572.1) coarse classification. Boom height must be 60 cm or less above the crop or ground.

#### **(2) Aerial Application**

**DO NOT** apply during periods of dead calm. Avoid application of this product when winds are gusty.

**DO NOT** apply when wind speed is greater than 16 km/h at flying height at the site of application.

**DO NOT** apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE S572.1) coarse classification. Reduce drift caused by turbulent wingtip vortices. Nozzle distribution along the spray boom length **MUST NOT** exceed 65% of the wing- or rotorspan.

Apply only by fixed-wing or rotary aircraft equipment which has been functionally and operationally calibrated for the atmospheric conditions of the area and the application rates and conditions of this label.

Label rates, conditions and precautions are product specific. Read and understand the entire label before opening this product. Apply only at the rate recommended for aerial application on this label. **Where no rate for aerial application appears for the specific use, this product cannot be applied by any type of aerial equipment.**

Ensure uniform application. To avoid streaked, uneven or overlapped application, use appropriate marking devices or a GPS system.

### **Use Precautions**

Apply only when meteorological conditions at the treatment site allow for complete and even crop coverage. Apply only under conditions of good practice specific to aerial application as outlined in the *National Aerial Pesticide Application Manual*, developed by the Federal/Provincial/Territorial Committee on Pest Management and Pesticides.

### **Product Specific Precautions**

Read and understand the entire label before opening this product. If you have questions, call the manufacturer at 1-800-667-3852 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: Avoid spray drift at the application site. The interaction of many equipment-and-weather-related factors determine the potential for spray drift. Users are responsible for considering all these factors when making decisions. Nozzles must always point backward parallel with the air stream and never be pointed downwards more than 45 degrees.

## **ONDECK HERBICIDE ALONE**

### **Crops Registered**

Spring wheat, durum wheat, winter wheat and barley

### **Application Timing**

**Crop Stage:** Apply to actively growing spring wheat, durum wheat, winter wheat and barley from the 1-leaf stage to jointing (1<sup>st</sup> node stage, BBCH31). Winter wheat applications can be made in the fall or spring.

**Weed Stage:** Apply to actively growing weeds at the 1- to 6- leaf stage unless otherwise specified. Only weeds emerged at the time of treatment will be controlled. Best results are obtained from applications made to seedling weeds.

Extreme growing conditions such as drought or near freezing temperature prior to, at or following time of application may reduce weed control and increase the risk of crop injury at all stages of growth. If foliage is wet at the time of application control may be decreased. Under conditions of low crop and high weed density, control may be reduced.

See weed species controlled under "Weeds Controlled or Suppressed by OnDeck Herbicide Alone". Apply when weeds are actively growing.

One application per year is permitted.

OnDeck Herbicide can be applied in tank mix with various adjuvants at a minimum rate of 0.5% v/v for enhanced weed control when weed populations are high, weed staging is advanced or when weeds are stressed due to environmental conditions. Apply 0.5 to 1 % v/v or 5-10 L of adjuvant per 1000 L of spray mixture.

#### Recommended adjuvants

- Methylated seed oil (ex. MSO Concentrate with Leci-Tech)
- Crop Oil Concentrates (ex. XA Oil Concentrate)
- High Surfactant Oil Concentrates (ex. Journey® HSOC)
- Merge Adjuvant
- Carrier

#### Application with Fluid Fertilizer

OnDeck Herbicide may be applied in spray solutions containing liquid nitrogen fertilizer at up to 1.25 L/ha. Test tank mix compatibility in a jar before mixing OnDeck Herbicide in liquid fertilizer or when a new batch of liquid fertilizer is used.

#### Precautions

- Temporary crop injury may result when liquid fertilizer is used as the spray carrier.
- Foliar-applied liquid fertilizer may cause foliar leaf burn, yellowing or reduced growth due to the activity of the liquid fertilizer on the crop.

#### Restrictions

- **DO NOT** foliar apply liquid fertilizer to spring cereal crops except for ammonium sulfate or urea ammonium nitrate (UAN) at nitrogen rates less than 5 kg actual nitrogen per hectare.
- **DO NOT** use more than 50% liquid fertilizer in the spray solution.
- **DO NOT** apply more than 30 kg of actual nitrogen hectare with the spray solution.

#### Field Sprayer Application Directions

Apply the recommended rate of OnDeck Herbicide per hectare in 50-200 L per hectare of water. Adequate coverage of weed foliage is required to optimize herbicide performance. Control of weeds such as kochia, cleavers, wild buckwheat, and green foxtail may be reduced if lower water volumes (i.e., 50 L/ha) are used leading to insufficient coverage. Reduction in control is more likely if weeds are shaded from spray droplets due to weed density, weed size or crop interception. Higher water volumes are recommended when targeting heavy weed infestations, larger weeds, or when crops are more advanced.

#### Aerial Sprayer Application Directions

Apply the recommended rate of OnDeck Herbicide per hectare in a minimum of 50 L per hectare of water.

#### Broadleaf Weeds Controlled or Suppressed by OnDeck Herbicide alone at 804–1070 mL/ha (including Group 2 and 9 resistant biotypes)

Common Name	Weed stage	Weed Control (C) or Suppression (S)		
		OnDeck Herbicide		
		804 mL/Ha	804 mL/Ha + adjuvant	1070* mL/Ha
<b>Canada thistle</b>	up to 30 cm in height	S	S	S
<b>Chickweed</b>	from the 1-6 leaf stage	C	C	C
<b>Cleavers</b>	up to the 4-whorl stage	C	C	C
	up to the 6-whorl stage	-	C	C
<b>Common mallow</b>	from the 1-6 leaf stage	-	C	C
<b>Common ragweed</b>	from the 1-6 leaf stage	-	C	C
<b>Common waterhemp</b>	up to 10 cm in height	C	C	C
<b>Hempnettle</b>	from the 1-6 leaf stage	C	C	C



<b>Kochia</b>	lighter populations (<100 plants/m <sup>2</sup> ), up to 10 cm	C	C	C
	heavier populations, up to 15 cm	-	C	C
<b>Lady's thumb (smartweed)</b>	from the 1-6 leaf stage	C	C	C
<b>Lamb's quarters, common</b>	up to the 8-leaf stage and <15 cm	C	C	C
<b>Narrow-leaf hawk's beard</b>	from the 1-6 leaf stage	C	C	C
<b>Perennial sow-thistle</b>	up to 30 cm in height	S	S	S
<b>Pigweed, redroot</b>	from the 1-6 leaf stage	C	C	C
<b>Round-leaved mallow</b>	from the 1-6 leaf stage	C	C	C
<b>Russian thistle</b>	up to 10 cm in height	C	C	C
<b>Shepherd's purse</b>	from the 1-6 leaf stage	C	C	C
<b>Stinkweed</b>	from the 1-6 leaf stage	C	C	C
<b>Volunteer canola</b>	from the 1-6 leaf stage	C	C	C
<b>Wild buckwheat</b>	light populations <25 plants/ m <sup>2</sup> , up to the 4-leaf stage	C	C	C
	heavier populations up to the 6-leaf stage	-	C	C
<b>Wild mustard</b>	from the 1-6 leaf stage	C	C	C

\*OnDeck Herbicide can be applied in tank-mix with various adjuvants at a minimum rate of 0.5% v/v for enhanced weed control when weed populations are high, weed staging is advanced or when weeds are stressed due to environmental conditions. Apply 0.5 to 1 % v/v or 5-10 L of adjuvant per 1000 L of spray mixture. Recommended adjuvants: Methylated seed oil (ex. MSO Concentrate with Leci-Tech), Crop Oil Concentrates (ex. XA Oil Concentrate ), or High Surfactant Oil Concentrates (ex. Journey® HSOC), or Merge Adjuvant or Carrier.

**Grass Weeds Controlled or Suppressed by OnDeck Herbicide alone at 804–1070 mL/ha (including Group 1 and 2 resistant biotypes)**

Common Name	Weed stage	Weed Control (C) or Suppression (S)		
		OnDeck Herbicide		
		804 mL/Ha	804 mL/Ha + adjuvant	1070* mL/Ha
<b>Green foxtail</b>	up to the 4-leaf stage	C	C	C
	up to the 6-leaf stage	-	C	C
<b>Yellow Foxtail</b>	up to the 6-leaf stage	C	C	C
<b>Barnyard grass</b>	up to 10 cm in height	-	C	C

\*OnDeck Herbicide can be applied in tank-mix with various adjuvants at a minimum rate of 0.5% v/v for enhanced weed control when weed populations are high, weed staging is advanced or when weeds are stressed due to environmental conditions. Apply 0.5 to 1 % v/v or 5-10 L of adjuvant per 1000 L of spray mixture. Recommended adjuvants: Methylated seed oil (ex. MSO Concentrate with Leci-Tech), Crop Oil Concentrates (ex. XA Oil Concentrate), or High Surfactant Oil Concentrates (ex. Journey® HSOC), or Merge Adjuvant or Carrier.

**Mixing Instructions for OnDeck Herbicide Alone**

1. Fill sprayer tank 1/2 full of water.
2. Start sprayer tank agitation.
3. Add the required amount of OnDeck Herbicide.
4. Add the required amount of adjuvant.
5. Fill the sprayer tank with sufficient water to spray 30-200 L of spray mixture per hectare.
6. Follow sprayer directions and precautions as outlined above, especially when applying next to sensitive crops (e.g. flax and legumes).
7. Follow sprayer clean-up directions.

### Preharvest/Grazing Intervals

- Livestock may be grazed on treated crops 30 days following application.
- Do not harvest the treated mature crop within 50 days after application.
- Do not cut the treated crop for hay or silage within 30 days after application.

### TANK MIXES WITH ONDECK HERBICIDE FOR BROAD SPECTRUM BROADLEAVED WEED CONTROL IN WHEAT AND BARLEY

#### TANK MIX COMBINATIONS –

- OnDeck Herbicide + MCPA ester
- OnDeck Herbicide + 2,4-D ester

#### Crops Registered

Spring wheat, durum wheat, winter wheat, barley

#### Application Timing

**Crop Stage:** Apply to actively growing wheat (spring, winter, durum) or barley from the 3-leaf stage to jointing (1<sup>st</sup> node, BBCH31).

**Weed Stage:** Apply when weeds are actively growing. Only weeds emerged at the time of treatment when be controlled. Best results are obtained from applications made to seedling weeds. When applied as a tank mix combination, read and observe all label directions, including rates, restrictions, and grazing limitations for each product used in the tank mix. Follow the more stringent label precautionary measures for mixing, loading and applying stated on all product labels.

#### Field Sprayer Application Directions

For control of a wide spectrum of broadleaf weeds apply OnDeck Herbicide tank mixed with 2,4-D Ester or MCPA ester in 50–200 L per hectare of water.

#### Aerial Sprayer Application Directions

Apply the recommended rate of OnDeck Herbicide per hectare tank mixed with 2,4-D Ester or MCPA ester (600 g ae/L) in a minimum of 50 L per hectare of water.

#### Weeds Controlled or Suppressed by OnDeck Herbicide + 2,4-D Ester or MCPA Ester (weeds include Group 2 and 9 resistant biotypes) at 804 mL per hectare

Herbicide Tank Mix Partner	Crops	Tank Mix partner rate product/ha	Additional Weeds controlled
MCPA Ester 600 (600 g ae/L)	spring wheat durum wheat winter wheat spring barley	0.465 L/ha (280 g ae/ha)	wild buckwheat (1- to 6- leaf) cleavers (1-6 whorl) kochia (up to 15 cm)
	spring wheat durum wheat winter wheat spring barley	0.58 L/ha (350 g ae/ha)	<b>Weeds listed above plus: small seedlings, good growing conditions</b> burdock (before the 4-leaf stage), cocklebur, plantain, mustards (except dog and tansy), prickly lettuce, ragweeds, vetch, wild radish, wild (annual) sunflower.
2,4-D Ester 700 (660 g ae/L)	spring wheat durum wheat winter wheat spring barley	0.5 – 1.1 L/ha (330 – 726 g ae/ha)	See tank mix partner label

**MIXING INSTRUCTIONS FOR TANK MIXING OnDeck Herbicide + 2,4-D Ester or MCPA Ester**

1. Begin to fill sprayer tank with clean water and engage agitator. **Agitation must be continued throughout the entire mixing and spraying procedure.**
2. When the sprayer is half full of water, add 2,4-D Ester or MCPA Ester and agitate for 2-3 minutes.
3. Add OnDeck Herbicide next. Agitate for 2-3 minutes.
4. Add remainder of water and maintain constant agitation.
5. After any break in spraying operations, agitate thoroughly before spraying again.
6. **Use the spray mixture as soon as it is prepared.**

**TANK MIX COMBINATIONS**

- **ONDECK HERBICIDE + OTHER HERBICIDES FOR ANNUAL GRASS CONTROL**
- OR
- **ONDECK HERBICIDE + OTHER HERBICIDES FOR ANNUAL GRASS CONTROL + 2,4-D ESTER or MCPA ESTER**

**OnDeck Herbicide** (with or without MCPA Ester or 2,4-D Ester subject to the grass herbicide label) may be tank mixed with one of the tank mix partners indicated in the table below for annual grass control. All broadleaved weeds listed elsewhere on this label plus the annual grasses listed below for each tank mix partner will be controlled by the tank mix. 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. Follow manufacturer's advice on utility modifiers or compatibility agents. Always use in accordance with the most restrictive label restrictions and precautions.

Tank Mix Partner	Crops Registered	Rate/ha	Adjuvant and Rate	Additional Weeds Controlled
<b>Simplicity GoDRI Herbicide</b>	spring wheat, durum wheat, winter wheat	70 g/ha	Agral 90* or Ag-Surf** at 0.25% v/v.	wild oats, Japanese brome, corn spurry, cow cockle, flaxweed, <b>Suppression</b> of, white cockle, dandelion, Persian dandel, downy brome
		52 g/ha	Agral 90* or Ag-Surf** at 0.25% v/v	wild oats, Japanese brome
<b>Simplicity</b>	spring wheat, durum wheat, winter wheat	500 mL/ha	Agral 90* or Ag-Surf** at 0.25% v/v	wild oats, Japanese brome, corn spurry, cow cockle, flaxweed, <b>Suppression</b> of white cockle, dandelion, Persian dandel, downy brome
		375 mL/ha	Agral 90* or Ag-Surfat** 0.25% v/v	wild oats
<b>Trondus Herbicide</b>	spring wheat, spring barley	0.6 L/ha	Adigor Adjuvant at 0.7 L/ha	wild oats, volunteer oats, volunteer canary seed, proso millet
<b>Axial Herbicide*</b>	spring wheat, spring barley	1200 mL/ha	Not required	wild oats, volunteer oats, volunteer canary seed, proso millet
<b>Horizon NG Herbicide</b>	spring wheat, durum wheat	0.93 L/ha	None required	wild oats, volunteer oats, volunteer canary seed
<b>Everest 3.0 AG Herbicide</b>	spring wheat, durum wheat	72-144 mL/ha	Ag-Surf or Agral 90** at 0.25% v/v	wild oats, volunteer tame oats, Consult Everest 3.0 AG Herbicide label for rate-specific claims

<b>Traxos Herbicide</b>	spring wheat, durum wheat	1.2 L/ha	None required	wild oats, volunteer oats, volunteer canary seed, proso millet, Persian darnel
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\* Choose one of Agral 90 Non-Ionic Wetting & Spreading Agent Liquid or Agral 90 Non-Ionic Liquid Wetting & Spreading Agent

\*\*Choose one of IPCO Ag-Surf Original, IPCO Ag-Surf II, Weedaway Ag-Surf Liquid Spray Adjuvant or Weedaway Ag-Surf II.

♦ Axial or Trondus Herbicide may be substituted with any equivalent product delivering 60 g ai/ha pinoxaden at the label use rate.

\*\* Agral 90 refers to Agral 90 Non-ionic Wetting & Spreading Agent Liquid or Agral 90 Non-ionic Liquid Wetting & Spreading Agent and Ag-Surf refers to IPCO Ag-Surf Original or Weedaway Ag-Surf Liquid Spray Adjuvant

## MIXING INSTRUCTIONS FOR TANK MIXING ONDECK HERBICIDE + MCPA ESTER + OTHER TANK MIX PARTNERS

1. Begin to fill sprayer tank with clean water and engage agitator. **Agitation must be continued throughout the entire mixing and spraying procedure.**
2. If including an annual grass control tank mix partner add it next. Agitate for 2-3 minutes.
3. When the sprayer is half full of water, add OnDeck Herbicide and agitate for 2-3 minutes.
4. If including MCPA ester add it next. Agitate for 2-3 minutes.
5. Add adjuvant, if indicated in the tank mix partner label.
6. Agitate for 1-2 minutes before adding remainder of water and then maintain constant agitation.
7. After any break in spraying operations, agitate thoroughly before spraying again.
8. **Use the spray suspension as soon as it is prepared.**

## SPRAY BUFFER ZONES

A spray buffer zone is NOT required for uses with hand-held application equipment permitted on this label.

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:		Estuarine/Marine Habitat of Depths:		Terrestrial Habitat
			Less than 1 m	Greater than 1 m	Less than 1 m	Greater than 1 m	
Field sprayer	Wheat (spring, durum, winter) and barley		1	1	1	0	1
Aerial	Wheat (spring, durum, winter) and barley	Fixed wing	10	1	1	0	25
		Rotary wing	10	1	1	0	25

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.

## RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, OnDeck Herbicide is a Group 27 and Group 6 herbicide. Any weed population may contain or develop plants naturally resistant to OnDeck Herbicide and other Group 27 or Group 6 herbicide. 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 OnDeck Herbicide or other Group 27 or 6 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 or to report suspected resistance, contact Corteva Agriscience Canada Company at 1-800-667-3852 or at [www.corteva.ca](http://www.corteva.ca).

**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.

<sup>TM</sup>Trademark of Corteva Agriscience and its affiliated companies.

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Label Code: CN-34709-004-E

Replaces: CN-34709-003-E

Specimen Label Notes:

Add and remove rotational crops