

PMRA APPROVED LABEL  
Sub. No. 2020-1059 change in registrant

GROUP	2   4	HERBICIDE
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## TRAVALLAS® HERBICIDE

SUSPENSION

FOR SALE FOR USE ON WHEAT (SPRING, DURUM AND WINTER) AND SPRING BARLEY IN  
THE PRAIRIE PROVINCES AND THE INTERIOR OF BRITISH COLUMBIA

AGRICULTURAL

**REGISTRATION NO. 31685 PEST CONTROL PRODUCTS ACT**

**ACTIVE INGREDIENTS:**

Metsulfuron-methyl 3 g/L  
Thifensulfuron-methyl 30 g/L  
Fluroxypyr (present as 1-methylheptyl ester) 150 g a.e. /L

Warning, contains the allergen soy

CAUTION – SKIN IRRITANT  
POTENTIAL SKIN SENSITIZER

READ THE LABEL AND ATTACHED BOOKLET BEFORE USING

**NET CONTENTS: 0.5 L - Bulk**

FMC of Canada Limited  
6755 Mississauga Road, Suite 204  
Mississauga, ON L5N 7Y2  
1-833-362-7722

**PRECAUTIONS:**

- KEEP OUT OF REACH OF CHILDREN.
- Potential skin sensitizer. May irritate the skin. Avoid contact with skin.
- Avoid breathing spray mist. Use with adequate ventilations.
- Wear a long-sleeved shirt, long pants and chemical-resistant gloves, socks and shoes while mixing /loading, applying and during clean up and repair.
- Do not contaminate any body of water.
- When using, do not eat, drink or smoke. Wash skin thoroughly with soap and water after handling.
- Remove contaminated clothing immediately after use. Store and wash contaminated clothing separately from household laundry before reuse.
- Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.

**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 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 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.

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

**IN CASE OF EMERGENCY, CALL TOLL FREE, DAY OR NIGHT: 1-800-331-3148**

**TOXICOLOGICAL INFORMATION:**

Treat symptomatically.

**STORAGE:**

Shake well before using. Store product in original container only. To prevent contamination, store this product away from food or feed. Not for use or storage in or around the home. Keep container closed. If product is stored below freezing for an extended period of time, slowly warm to a minimum of 10 °C and shake well before using.

**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.

**Refillable Containers:**

For disposal, this container may be returned to the point of purchase (distributor/dealer). It must be refilled by the distributor/dealer with the same product. Do not reuse this container for any other purpose.

**Returnable Containers:**

Do not reuse this container for any other purpose. For disposal, this empty container may be returned to the point of purchase (distributor/dealer).

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 cleanup of spills.

**NOTICE TO USER:**

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label.

TRAVALLAS is a trademark of FMC Corporation or an affiliate.

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- Potential skin sensitizer. May irritate the skin. Avoid contact with the skin.
- Avoid breathing spray mist. Use with adequate ventilations.
- Wear a long-sleeved shirt, long pants and chemical-resistant gloves, socks and shoes while mixing /loading, applying and during clean up and repair.
- Do not contaminate any body of water.
- When using, do not eat, drink or smoke. Wash skin thoroughly with soap and water after handling.
- Remove contaminated clothing immediately after use. Store and wash contaminated clothing separately from household laundry before reuse.
- Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.

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<b>IN CASE OF EMERGENCY, CALL TOLL FREE, DAY OR NIGHT: 1-800-331-3148</b>
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**TOXICOLOGICAL INFORMATION:**

Treat symptomatically.

**ENVIRONMENTAL PRECAUTIONS:**

- Overspray or drift to important wildlife habitats such as shelterbelts, wetlands, sloughs or dry slough borders and woodlots should be avoided. Observe buffer zones specified under DIRECTIONS FOR USE.
- Do not remove soil from treated fields for use on lawns, in gardens or for back fill.

- Do not contaminate irrigation water. Do not apply to land where tail water will be used to irrigate cropland.
- Do not apply more than 0.5 L per hectare of TRAVALLAS® Herbicide per crop year.
- TOXIC to non-target terrestrial plants and aquatic organisms. 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 when heavy rain is forecast.
- Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative strip between the treated area and the edge of the water body.
- As this product is not registered for the control of pests in aquatic systems, DO NOT use to control aquatic pests.

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**PRODUCT DESCRIPTION:**

TRAVALLAS® Herbicide is recommended for selective post-emergent control or suppression of broadleaf weeds in wheat (spring, durum and winter) and spring barley not underseeded to legumes or grasses.

TRAVALLAS® Herbicide contains three active ingredients formulated as a suspension. TRAVALLAS® Herbicide is to be mixed with water and applied as a uniform broadcast spray early postemergence to the crop, to the main flush of actively growing broadleaf weeds.

Warm, moist growing conditions promote active weed growth and enhance the activity of TRAVALLAS® Herbicide by allowing maximum foliar uptake and contact activity. Weeds hardened off by cold weather or drought stress may not be adequately controlled or suppressed and regrowth may occur. For best results, ensure thorough spray coverage of target weeds. See "DIRECTIONS FOR USE" section of this label for complete use details.

Degree of control and duration of effect are dependent on weed sensitivity, weed size, crop competition, growing conditions at and following treatment, and spray coverage.

**IMPORTANT INFORMATION: READ BEFORE USING**

Injury to or loss of desirable trees or vegetation may result from failure to observe the following:

- Do not apply, drain or flush equipment on or near desirable trees or other plants, or on areas where their roots may extend, or in locations where the chemical may be washed or moved into contact with their roots.
- Do not use on lawns, walks, driveways, recreational grounds or similar areas.
- Prevent drift of spray to desirable plants.
- Do not contaminate any body of water, including irrigation water that may be used on other crops.
- Carefully observe sprayer clean-up instructions, as spray tank residues may damage crops other than wheat and spring barley.

### **REPLANTING TO OTHER CROPS**

The following crops may be seeded 10 months after application: canola, dry beans, fababeans, field corn, flax, lentils, oats, peas, soybeans, spring wheat (including durum), winter wheat and spring barley.

### **GRAZING/HARVEST RESTRICTIONS:**

Do not harvest the treated crop within 60 days of application.

Do not graze or feed the treated crop to livestock within 7 days of application.

### **VARIETY RESTRICTIONS:**

Limit the use of TRAVALLAS® Herbicide to currently licensed varieties of wheat (spring, durum and winter) and spring barley. Consult FMC prior to use on unlicensed varieties for crop tolerance information.

### **RAINFALL INFORMATION:**

Rainfall within 2 hours of application may reduce weed control.

## **APPLICATION INFORMATION:**

### **APPLICATION PRECAUTIONS:**

- Do not apply to irrigated land where tail water will be used to irrigate cropland.
- Overspray or drift to important wildlife habitats such as shelterbelts, wetlands, sloughs or dry slough borders and woodlots should be avoided.
- Use only water as a carrier. Other carriers may accelerate breakdown of TRAVALLAS® Herbicide and reduce its effectiveness.
- Do not apply to crops underseeded to legumes or grasses as injury to forage may result.
- Application to crops that are stressed by severe weather conditions, frost, low fertility, water logged soil (soil at or near field capacity), disease or insect damage may result in crop injury. Drought, disease or insect damage following application may also result in crop injury.
- Under certain conditions, such as heavy rainfall, prolonged cool weather, frost or wide fluctuations in day/night temperatures, temporary lightening in crop colour, and occasionally, a slight reduction in crop height may occur.
- TRAVALLAS® Herbicide activity is influenced by weather conditions. Optimum activity requires active crop and weed growth. The temperature range for optimum activity is 12°C to 24°C. Reduced activity will occur when temperatures are below 8°C or above 27°C. Frost before application (3 days) or shortly after (3 days) may reduce weed control and crop tolerance. Weed control may be reduced during stress conditions, e.g. drought, heat or cold stress, or if weeds have initiated flowering, or if heavy infestations exist.
- Do not apply more than 0.5 L/hectare of TRAVALLAS® Herbicide per year.
- If using other herbicides containing the active ingredient metsulfuron methyl, restrict total use of metsulfuron methyl to 1.5 grams active ingredient per hectare per year.
- DO not use in residential areas. Residential areas are defined as any use site where bystanders, including children, could be exposed during or after application. This includes homes, schools, parks, playgrounds, playing fields, public buildings, or any other area where the general public, including children, could be exposed.
- 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.

## **APPLICATION INSTRUCTIONS:**

**GROUND APPLICATION:** Apply the spray mixture uniformly with properly calibrated ground equipment only. Ensure thorough coverage and a uniform spray pattern. Flat fan nozzles are recommended (minimum 55 litres spray volume per hectare). Use 50 mesh or larger filter screens (metal or nylon). A spray pressure of 210-275 kPa is recommended. Avoid overlapping and shut off spray boom while starting, turning, slowing or stopping to prevent crop injury from over application.

### **AERIAL APPLICATION:**

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.

### **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.

### **Operator Precautions:**

Do not allow the pilot to mix chemicals to be loaded onto the aircraft. Loading of premixed chemicals with a closed system is permitted. It is desirable that the pilot have communication capabilities at each treatment site at the time of application. The field crew and the mixer/loaders must wear chemical resistant gloves, coveralls and goggles or face shield during mixing/loading, cleanup and repair. Follow the more stringent label precautions in cases where the operator precautions exceed the generic label recommendations on the existing ground boom label. 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.

### **Product Specific Precautions:**

Read and understand the entire label before opening this product. If you have questions, call the manufacturer at 1-833-362-7722 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:

Apply a minimum of 25 L of spray volume per hectare.

Apply a maximum of 50 L of spray volume per hectare.

## **DIRECTIONS FOR USE:**

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.

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. To reduce drift caused by turbulent wingtip vortices, the nozzle distribution along the spray boom length **MUST NOT** exceed 65% of the wing- or rotorspan.

**Buffer zones:**

Spot treatments using hand-held equipment **DO NOT** require a buffer zone

The buffer zones specified in the table below are required between the point of direct application and the closest downwind edge of sensitive terrestrial habitats (such as grasslands, forested areas, shelter belts, woodlots, hedgerows, riparian areas and shrublands), sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands) and estuarine/marine habitats.

Method of application	Crop		Buffer Zones (metres) Required for the Protection of:				Terrestrial habitat	
			Freshwater Habitat of Depths:		Estuarine/Marine Habitats of Depths:			
			Less than 1 m	Greater than 1 m	Less than 1 m	Greater than 1 m		
Field sprayer	Spring wheat, durum wheat, winter wheat and spring barley		1	1	1	1	5	
Aerial	Spring wheat, durum wheat, winter wheat and spring barley		Fixed wing	4	1	1	1	200
			Rotary wing	1	1	1	1	175

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 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 section of the Canada.ca website.

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

**Tankmixes:** In some cases, tank mixing a pest control product with another pest control product or a fertilizer can result in biological effects that could include, but are not limited to: reduced pest efficacy or increased host crop injury. The user should contact FMC at 1-833-362-7722 for information before mixing any pesticide or fertilizer that is not specifically recommended on this label. The user assumes the risk of losses that result from the use of tank mixes that do not appear on this label or that are not specifically recommended by FMC.

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 both product labels.

**WHEAT (SPRING, DURUM, AND WINTER) AND SPRING BARLEY**

<b>TRAVALLAS® HERBICIDE</b>	
<b>CROP(S):</b> Wheat (spring, durum, and winter) and spring barley	
<b>TIMING:</b> Post-emergent application from the 2-leaf stage to the flag leaf (shot blade) stage of the crop, prior to head emergence, but before the crop canopy will prevent thorough coverage of target weeds. For winter wheat, apply in the spring at up to the flag leaf stage. Do not apply after head has emerged. For best results, apply to young, actively growing weeds that are less than 10 cm in height or diameter. Thorough coverage of target weeds is essential.	
<b>APPLICATION RATES (Ground and Aerial)</b>	
TRAVALLAS® Herbicide	0.5 L/hectare
<b>Weeds Controlled</b>	<b>Weeds Suppressed</b>
Annual smartweed (green smartweed, lady's thumb)	Canada thistle (top growth control) <sup>4</sup>
Chickweed <sup>1</sup>	
Cleavers (1-9 whorl)	
Corn spurry	
Cow cockle	
Dandelion (spring or fall rosettes up to 25 cm in diameter).	
Flixweed	
Hemp-nettle (1-8 leaf)	
Kochia (including Group 2 resistant)	
Lamb's-quarters	
Narrow-leaved hawk's beard	
Night flowering catchfly	
Redroot pigweed	
Russian thistle	
Scentless Chamomile (up to 10 cm)	
Shepherd's purse (up to 20 cm)	
Stinkweed	
Stork's bill	
Volunteer canola <sup>2</sup>	
Volunteer flax	
Wild buckwheat (1-8 leaf) <sup>3</sup>	
Wild mustard	
White Cockle	

Notes:

- Chickweed:** Apply TRAVALLAS® Herbicide when the chickweed is small (1 to 6 leaf) and actively growing but before crop canopy prevents thorough coverage of weeds. Chickweed emerging after application will not be controlled.

- 2 **Volunteer Canola:** TRAVALLAS® Herbicide alone will not control imazethapyr tolerant canola varieties (e.g. Clearfield\* varieties or other varieties with the Pursuit Smart\* trait).
- 3 **Wild Buckwheat:** Apply TRAVALLAS® Herbicide to actively growing wild buckwheat in the 1 - 8 leaf stage. Under dry conditions control may be reduced. Large plants may regrow after treatment.
- 4 **Canada Thistle:** Apply when the majority of thistles have emerged and are actively growing. For best top growth control, apply before bud stage when thistles are no larger than 15 cm in height and before crop canopy prevents thorough coverage of weeds. A single application will effectively inhibit the ability of emerged thistles to compete with the crop. Later emerging thistles will not be controlled.

<b>TRAVALLAS® Herbicide + MCPA Ester</b>	
<b>CROP (S):</b> Spring wheat (including durum), winter wheat and spring barley	
<b>TIMING:</b> Post-emergent application from full 3-leaf to just before flag leaf (shot blade) growth stage of crop. For winter wheat, apply in the spring at up to just before flag leaf stage.	
<b>TANK MIX COMPONENTS AND APPLICATION RATES (Ground and Aerial)</b>	
TRAVALLAS® Herbicide	0.5 L/ha
MCPA Ester 500	0.56 L/ha
Or	Or
MCPA Ester 600	0.47 L/ha
<b>Weeds Controlled</b>	
Broadleaf weeds controlled or suppressed by TRAVALLAS® Herbicide alone, as well as annual sow thistle, round-leaved mallow (up to 6 leaf) and volunteer imazethapyr tolerant canola varieties (e.g. Clearfield* canola or other varieties with the Pursuit* Smart trait). Apply when volunteer canola is in the 2-4 leaf stage.	

<b>TRAVALLAS® Herbicide + ACAPELA® Fungicide</b>	
<b>CROP (S):</b> Spring wheat (including durum), winter wheat and spring barley	
<b>TIMING:</b> Post-emergent application from the 2-leaf stage to the flag leaf (shot blade) stage of the crop, prior to head emergence, but before the crop canopy will prevent thorough coverage of target weeds. For winter wheat, apply in the spring at up to the flag leaf stage. Apply prior to disease development. Do not apply after head has emerged.	
<b>TANK MIX COMPONENTS AND APPLICATION RATES (Ground and Aerial)</b>	
TRAVALLAS® Herbicide	0.5 L/ha
ACAPELA® Fungicide	0.44-0.88 L/ha Use the high rate under heavy disease pressure.
<b>Weeds and Diseases Controlled</b>	
Broadleaf weeds controlled or suppressed by TRAVALLAS® Herbicide alone, as well as cereal leaf diseases controlled or suppressed by ACAPELA® FUNIGICIDE. Consult the ACAPELA® FUNIGICIDE label for additional application instructions and use precautions.	

## **SPRING WHEAT (EXCLUDING DURUM), WINTER WHEAT AND SPRING BARLEY**

<b>TRAVALLAS® Herbicide + AXIAL* 100EC Herbicide</b>	
<b>CROP(S):</b> Spring wheat (excluding durum), winter wheat and spring barley	
<b>TIMING:</b> Post-emergent application from the 2 leaf to flag leaf stage of the crop. For winter wheat, apply in the spring at up to the flag leaf stage. For wild oats, apply from 1 to 6-leaf stage, up to emergence of 4 <sup>th</sup> tiller.	
<b>TANK MIX COMPONENTS AND APPLICATION RATES (Ground and Aerial)</b>	
TRAVALLAS® Herbicide	0.5 L/ha
AXIAL* 100 EC Herbicide	600 mL/ha
ADIGOR* Adjuvant	700 mL/ha
<b>WEEDS CONTROLLED</b>	
Broadleaf weeds controlled or suppressed by TRAVALLAS® Herbicide alone, plus wild oats.	

<b>TRAVALLAS® Herbicide + AXIAL* Herbicide + MCPA Ester</b>	
<b>CROP(S):</b> Spring wheat (excluding durum), <b>winter wheat</b> and spring barley	
<b>TIMING:</b> Post-emergent application from the 3 leaf to flag leaf stage of the crop. For winter wheat, apply in the spring at up to the flag leaf stage. For wild oats, apply from 1 to 6-leaf stage, up to emergence of 4 <sup>th</sup> tiller.	
<b>TANK MIX COMPONENTS AND APPLICATION RATES (Ground and Aerial)</b>	
TRAVALLAS® Herbicide	0.5 L/ha
AXIAL* Herbicide	1.2 L/ha
MCPA Ester 500 Or MCPA Ester 600	0.56 L/ha Or 0.47 L/ha
<b>WEEDS CONTROLLED</b>	
Broadleaf weeds controlled or suppressed by TRAVALLAS® Herbicide alone, plus wild oats and volunteer imazethapyr tolerant canola varieties (e.g. Clearfield* canola or other varieties with the Pursuit* Smart trait). Apply when volunteer canola is in the 2-4 leaf stage.	

## **SPRING WHEAT, DURUM WHEAT AND WINTER WHEAT**

<b>TRAVALLAS® Herbicide + SIMPLICITY*</b>	
<b>CROP(S):</b> Spring wheat, durum wheat and winter wheat.	
<b>TIMING:</b> Post-emergent application to spring wheat and durum wheat from the 3-leaf stage to the first node stage. For winter wheat, apply in the spring when winter wheat is in the 2-7 leaf, 4 tiller stage. Apply to wild oats up to the 4 leaf, 2 tiller stage.	
<b>TANK MIX COMPONENTS AND APPLICATION RATES (Ground and Aerial)</b>	
TRAVALLAS® Herbicide	0.5 L/ha
SIMPLICITY*	500 mL/ha
Adjuvants: AGRAL <sup>+</sup> 90 or AG-SURF <sup>+</sup>	2.5 litres per 1000 litres of spray solution
<b>WEEDS CONTROLLED</b>	
Broadleaf weeds controlled or suppressed by TRAVALLAS® Herbicide alone, plus all the weeds controlled by Simplicity* alone.	

<b>TRAVALLAS® Herbicide + SIMPLICITY* Herbicide + MCPA Ester</b>	
<b>CROP(S):</b> Spring wheat, durum wheat and winter wheat.	
<b>TIMING:</b> Post-emergent application to spring wheat and durum wheat from the 3-leaf stage to the first node stage. For winter wheat, apply in the spring when winter wheat is in the 3-7 leaf, 4 tiller stage. Apply to wild oats up to the 4 leaf, 2 tiller stage.	
<b>TANK MIX COMPONENTS AND APPLICATION RATES (Ground and Aerial)</b>	
TRAVALLAS® Herbicide	0.5 L/ha
SIMPLICITY*	0.5 L/ha
MCPA Ester 500 Or MCPA Ester 600	0.56 L/ha Or 0.47 L/ha
<b>WEEDS CONTROLLED</b>	
Broadleaf weeds controlled or suppressed by TRAVALLAS® Herbicide alone, plus all the weeds controlled by Simplicity* alone and volunteer imazethapyr tolerant canola varieties (e.g. Clearfield* canola or other varieties with the Pursuit* Smart trait). Apply when volunteer canola is in the 2-4 leaf stage.	

<b>TRAVALLAS® Herbicide + VARRO* Herbicide</b>	
<b>CROP(S):</b> Spring wheat, durum wheat and winter wheat.	
<b>TIMING:</b> Post-emergent application to spring wheat (including durum wheat) from the 2-6 leaves on the main stem plus 3 tillers, but prior to jointing (presence of first node). Apply to winter wheat in the spring when the majority of plants have three leaf to full tillering, but prior to jointing (presence of first node). Apply to wild oats from the 1-6 leaf stage, up to emergence of the 3rd tiller.	
<b>TANK MIX COMPONENTS AND APPLICATION RATES (Ground and Aerial)</b>	
TRAVALLAS® Herbicide	0.5 L/ha
Varro* Herbicide	0.5 L/ha
<b>WEEDS CONTROLLED</b>	
Broadleaf weeds controlled or suppressed by TRAVALLAS® Herbicide alone, plus wild oats.	

<b>TRAVALLAS® Herbicide + VARRO* Herbicide + MCPA Ester</b>	
<b>CROP(S):</b> Spring wheat, durum wheat and winter wheat.	
<b>TIMING:</b> Post-emergent application to spring wheat (including durum) from the 3-6 leaves on the main stem plus 3 tillers, but prior to jointing (presence of first node). Apply to winter wheat in the spring when the majority of plants have three leaf to full tillering, but prior to jointing (presence of first node). Apply to wild oats from the 1-6 leaf stage, up to emergence of the 3 <sup>rd</sup> tiller.	
<b>TANK MIX COMPONENTS AND APPLICATION RATES (Ground and Aerial)</b>	
TRAVALLAS® Herbicide	0.5 L/ha
Varro* Herbicide	0.5 L/ha
MCPA Ester 500 Or MCPA Ester 600	0.56 L/ha Or 0.47 L/ha
<b>WEEDS CONTROLLED</b>	
Broadleaf weeds controlled or suppressed by TRAVALLAS® Herbicide alone, plus wild oats and volunteer imazethapyr tolerant canola varieties (e.g. Clearfield* canola or other varieties with the Pursuit* Smart trait). Apply when volunteer canola is in the 2-4 leaf stage.	

## **SPRING WHEAT AND DURUM WHEAT**

<b>TRAVALLAS® Herbicide + HORIZON* 240 EC Herbicide</b>	
<b>CROP:</b> Spring wheat and durum wheat.	
<b>TIMING:</b> Post-emergent application from 2-leaf to flag leaf growth stage of the crop. Apply to actively growing wild oats from the 1 to 6-leaf stage, prior to emergence of the 4 <sup>th</sup> tiller.	
<b>TANK MIX COMPONENTS AND APPLICATION RATES (Ground and Aerial)</b>	
TRAVALLAS® Herbicide	0.5 L/ha
HORIZON* 240 EC	0.230 L/ha
Adjuvant: SCORE*	0.8 litre per 100 litres spray solution
<b>WEEDS CONTROLLED</b>	
Broadleaf weeds controlled or suppressed by TRAVALLAS® Herbicide alone, plus wild oats.	

<b>TRAVALLAS® Herbicide + TRAXOS* Herbicide</b>	
<b>CROP(S):</b> Spring wheat and durum wheat.	
<b>TIMING:</b> Post-emergent application to spring wheat and durum wheat from the 2-leaf stage to prior to the emergence of the 4 <sup>th</sup> tiller. Apply to wild oats in the 1-6 leaf stage, prior to emergence of the 4 <sup>th</sup> tiller.	
<b>TANK MIX COMPONENTS AND APPLICATION RATES (Ground and Aerial)</b>	
TRAVALLAS® Herbicide	0.5 L/ha
Traxos* Herbicide	1.2 L/ha
<b>WEEDS CONTROLLED</b>	
Broadleaf weeds controlled or suppressed by TRAVALLAS® Herbicide alone, plus wild oats.	

<b>TRAVALLAS® Herbicide + TRAXOS* Herbicide + MCPA Ester</b>	
<b>CROP(S):</b> Spring wheat and durum wheat.	
<b>TIMING:</b> Post-emergent application to spring wheat and durum wheat from the 3-leaf stage to prior to the emergence of the 4 <sup>th</sup> tiller. Apply to wild oats in the 1-6 leaf stage, prior to emergence of the 4 <sup>th</sup> tiller.	
<b>TANK MIX COMPONENTS AND APPLICATION RATES (Ground and Aerial)</b>	
TRAVALLAS® Herbicide	0.5 L/ha
Traxos* Herbicide	1.2 L/ha
MCPA Ester 500 Or MCPA Ester 600	0.56 L/ha Or 0.47 L/ha
<b>WEEDS CONTROLLED</b>	
Broadleaf weeds controlled or suppressed by TRAVALLAS® Herbicide alone, plus wild oats and volunteer imazethapyr tolerant canola varieties (e.g. Clearfield* canola or other varieties with the Pursuit* Smart trait). Apply when volunteer canola is in the 2-4 leaf stage.	

## **SPRING WHEAT (EXCLUDING DURUM) AND WINTER WHEAT**

<b>TRAVALLAS® Herbicide + EVEREST* 2.0 Herbicide</b>	
<b>CROP(S):</b> Spring wheat and winter wheat only.	
<b>TIMING:</b> Apply to spring wheat in the 2 to 4 leaf stage, plus 2 tillers. Apply to winter wheat in the spring at up to the stage 4 leaves on main stem, plus 2 tillers.	
<b>TANK MIX COMPONENTS AND APPLICATION RATES (Ground Application Only)</b>	
TRAVALLAS® Herbicide	0.5 L/ha
EVEREST* 2.0 Herbicide	48 mL/ha Wild oat should be no larger than 4-leaf, 2 tillers. Use 48 mL/ha when wild oat infestations are below 100 plants/m <sup>2</sup> .
	60 mL/ha Wild oat should be no larger than 4-leaf, 2 tillers. Use 60 mL/ha when wild oat infestations are greater than 100 plants/m <sup>2</sup> and plants are actively growing under ideal environmental conditions.
	72 mL/ha Wild oat should be no larger than 4-leaf, 2 tillers. Use 72 mL/ha when wild oat infestations are greater than 100 plants/m <sup>2</sup> and when plants are not actively growing due to poor environmental conditions.
Agral* 90 or AgSurf*	2.5 L/1000 L (0.25 % v/v)
<b>WEEDS CONTROLLED</b>	
Broadleaf weeds controlled or suppressed by TRAVALLAS® Herbicide plus wild oats.	

<b>TRAVALLAS® Herbicide + EVEREST* 2.0 Herbicide + MCPA Ester</b>	
<b>CROP(S):</b> Spring wheat and winter wheat only.	
<b>TIMING:</b> Apply to spring wheat in the 3 to 4 leaf stage, plus 2 tillers. Apply to winter wheat in the spring at up to the stage 4 leaves on main stem, plus 2 tillers.	
<b>TANK MIX COMPONENTS AND APPLICATION RATES (Ground Application Only)</b>	
TRAVALLAS® Herbicide	0.5 L/ha
EVEREST* 2.0 Herbicide	48 mL/ha Wild oat should be no larger than 4-leaf, 2 tillers. Use 48 mL/ha when wild oat infestations are below 100 plants/m <sup>2</sup> .
	60 mL/ha Wild oat should be no larger than 4-leaf, 2 tillers. Use 60 mL/ha when wild oat infestations are greater than 100 plants/m <sup>2</sup> and plants are actively growing under ideal environmental conditions.
	72 mL/ha Wild oat should be no larger than 4-leaf, 2 tillers. Use 72 mL/ha when wild oat infestations are greater than 100 plants/m <sup>2</sup> and when plants are not actively growing due to poor environmental conditions.
MCPA Ester 500 Or MCPA Ester 600	0.56 L/ha Or 0.47 L/ha
Agral* 90 or AgSurf*	2.5 L/1000 L (0.25 % v/v)
<b>WEEDS CONTROLLED</b>	
Broadleaf weeds controlled or suppressed by TRAVALLAS® Herbicide plus wild oats and volunteer imazethapyr tolerant canola varieties (e.g. Clearfield* canola or other varieties with the Pursuit* Smart trait). Apply when volunteer canola is in the 2-4 leaf stage.	

### **SPRING WHEAT, DURUM WHEAT AND SPRING BARLEY**

<b>TRAVALLAS® Herbicide + Puma* Advance Herbicide</b>	
<b>CROP(S):</b> Spring wheat, durum wheat and spring barley.	
<b>TIMING:</b> Post-emergent application to spring barley, spring wheat and durum wheat up to just before flag leaf (shot blade) growth stage. Apply to wild oats and green foxtail up to the 6 leaf stage or up to 3 <sup>rd</sup> tiller emerging.	
<b>TANK MIX COMPONENTS AND APPLICATION RATES (Ground and Aerial)</b>	
TRAVALLAS® Herbicide	0.5 L/ha
Puma* Advance Herbicide	0.51 L/ha or 1.02 L/ha
<b>WEEDS CONTROLLED</b>	
Broadleaf weeds controlled or suppressed by TRAVALLAS® Herbicide alone and control of green foxtail at 0.51 L/ha of Puma* Advance Herbicide and wild oats at 1.02 L/ha of Puma* Advance Herbicide. See Puma Advance* label for more details	

<b>TRAVALLAS® Herbicide + Puma* Advance Herbicide + MCPA Ester</b>	
<b>CROP(S):</b> Spring wheat, durum wheat and spring barley.	
<b>TIMING:</b> Post-emergent application to spring barley, spring wheat and durum wheat from the 3-leaf stage to just before flag leaf (shot blade) growth stage. Apply to wild oats and green foxtail up to the 6 leaf stage or up to 3 <sup>rd</sup> tiller emerging.	
<b>TANK MIX COMPONENTS AND APPLICATION RATES (Ground and Aerial)</b>	
TRAVALLAS® Herbicide	0.5 L/ha
Puma* Advance Herbicide	0.51 L/ha or 1.02 L/ha
MCPA Ester 500 Or MCPA Ester 600	0.56 L/ha Or 0.47 L/ha
<b>WEEDS CONTROLLED</b>	
Broadleaf weeds controlled or suppressed by TRAVALLAS® Herbicide alone or TRAVALLAS® Herbicide + MCPA ester and control of green foxtail at 0.51 L/ha of Puma* Advance Herbicide and wild oats at 1.02 L/ha of Puma* Advance Herbicide. See Puma Advance* label for more details	

**MIXING INFORMATION:**

**MIXING PRECAUTIONS:**

If the sprayer has been left standing for a period of time agitate thoroughly before resuming spraying.

**MIXING DIRECTIONS:**

Select a spray volume that will ensure thorough coverage and a uniform spray pattern. Use a minimum of 55 L of spray volume per hectare for ground application and between 25 to 50 L of spray volume per hectare for aerial application. If tank mixing with other herbicides, always consult the label of the tank mix partner(s) for minimum spray volume requirements and apply the tank mixture using a water volume recommended for all products.

1. Always start with a clean and empty sprayer tank.
2. Fill the tank to 1/2 full of **clean** water.
3. With the agitator running, add the required amount of TRAVALLAS® Herbicide. Continue agitation until TRAVALLAS® Herbicide is **completely** dispersed.
4. If tank mixing TRAVALLAS® Herbicide with another herbicide, follow this mixing order: Dry flowables and soluble granules first, followed by solutions, then oil dispersions (OD) or emulsifiable concentrates (EC). Maintain continuous agitation. Add the rest of the water.
5. Add the appropriate adjuvant, if required. If an antifoam agent is required, add last.

**EQUIPMENT CLEANING INFORMATION:**

**CLEANING PRECAUTIONS:**

CAUTION: 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.

DO NOT CLEAN SPRAYER NEAR WELL OR WATER SOURCE OR NEAR DESIRABLE VEGETATION.

### **CLEANING INSTRUCTIONS:**

To avoid subsequent injury to crops other than wheat or spring barley, immediately after spraying and prior to spraying other crops, thoroughly remove all traces of TRAVALLAS® Herbicide from mixing and spray equipment as follows:

#### **SPRAYER CLEANUP:**

To avoid subsequent injury to crops other than wheat or barley, immediately after spraying and prior to spraying other crops, thoroughly remove all traces of TRAVALLAS® Herbicide from mixing and spray equipment as follows:

1. Drain tank; then flush tank, boom and hoses with clean water for a minimum of ten minutes. Visually inspect tank to ensure removal of all visible residues of TRAVALLAS® Herbicide. If necessary, repeat Step 1.
2. Fill the tank with clean water, then add 1 litre household AMMONIA (containing minimum of 3% ammonia) per 100 litres of water. Flush solution through boom and hoses, and then add more water to completely fill tank. Allow to sit for 15 minutes with agitation. Again flush the hoses, boom and nozzles with the cleaning solution and drain tank.
3. Remove all nozzles, screens and filters and clean separately in a bucket containing cleaning agent and water.
4. Repeat Step 2.
5. Thoroughly rinse the tank with clean water for a minimum of 5 minutes, flushing water through the hoses and boom.

### **RESISTANCE-MANAGEMENT RECOMMENDATIONS:**

For resistance management, TRAVALLAS® Herbicide is a Group 2 and Group 4 herbicide. Any weed population may contain or develop plants naturally resistant to TRAVALLAS® Herbicide and other Group 2 or Group 4 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. Other resistance mechanisms that are not linked to site of action, but specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.

To delay herbicide resistance:

- ◆ Where possible, rotate the use of TRAVALLAS® Herbicide or other Group 2 or Group 4 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 your local FMC representative or the FMC hotline at 1-833-362-7722 for further information.

**STORAGE:**

Shake well before using. Store product in original container only. To prevent contamination, store this product away from food or feed. Not for use or storage in or around the home. Keep container closed. If product is stored below freezing for an extended period of time, slowly warm to a minimum of 10 °C and shake well before using.

**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.

Refillable Containers:

For disposal, this container may be returned to the point of purchase (distributor/dealer). It must be refilled by the distributor/dealer with the same product. Do not reuse this container for any other purpose.

Returnable Containers:

Do not reuse this container for any other purpose. For disposal, this empty container may be returned to the point of purchase (distributor/dealer).

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

**NOTICE TO USER:**

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label.

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\* All other products mentioned are trademarks of their respective companies.