

2023-04-17
2023-0699
Label correction made 2023-07-18
{Stay Behind Label}



VIKING™ Hamar Herbicide

GROUP	4 & 6	HERBICIDES
-------	-------	------------

EMULSIFIABLE CONCENTRATE

COMMERCIAL (AGRICULTURAL)

For use in WHEAT (spring, durum & winter), BARLEY, OATS, FLAX (including Low Linolenic Acid Varieties),
CORN (field, sweet), FALL RYE, CANARY SEED, SEEDLING GRASSES, ESTABLISHED GRASSES,
PERENNIAL CEREAL RYE

REGISTRATION NO. 34806 PEST CONTROL PRODUCTS ACT

ACTIVE INGREDIENTS:

Bromoxynil (present as mixed octanoate and heptanoate esters) 280 g/L
MCPA (present as 2-ethylhexyl ester) 280 g /L

NET CONTENTS: 1 L – 1020 L

WARNING



POISON

READ THE LABEL AND ATTACHED BOOKLET BEFORE USING

KEEP OUT OF REACH OF CHILDREN

**In case of emergency call the 24 hour Emergency Response Number 1-800-424-9300
or 1-703-527-3887**

Viking Crop Production Partners Inc.

Box 18033
RPO Shawnessy
Calgary, AB. T2Y 0K3
1-587-743-1029

Viking (TM) is a trademark of Viking Crop Production Partners Inc.

2023-04-17

2023-0699

Label correction made 2023-07-18

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN. Avoid contact with skin, eyes and clothing. Wash concentrate from skin or eyes immediately. Avoid working in spray mist. After use, wash hands and other exposed skin. Avoid contamination of ponds, streams, rivers and other water sources.

Ground applications: Wear coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes during mixing, loading, clean up and repair. Wear a long-sleeved shirt and long pants, chemical resistant gloves, and socks plus shoes during applications. Gloves are not required during application within a closed cab.

Aerial applications: the field crew and the mixer/loaders: Wear coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes during mixing, loading, clean up and repair.

Aerial applicators: Wear a long-sleeved shirt, long pants, socks and shoes during application. Gloves are not required during application within a closed cockpit. Do not allow the pilot to mix chemicals to be loaded onto the aircraft

Do NOT apply this product in a way that will contact workers or other persons, either directly or through drift. Only handlers wearing personal protective equipment may be in the area being treated during the application. Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Discard clothing or other absorbent materials that have been drenched or heavily contaminated with the product's concentrate. DO NOT reuse them.

Do not use in residential areas, which are defined as sites where bystanders may be present during or after spraying, including homes, schools, parks, playgrounds, playing fields, and public buildings. Apply only to agricultural crops when the potential for drift to areas of human habitation and areas of human activity such as houses, cottages, schools, and recreational areas is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment, and sprayer settings.

DO NOT enter or allow worker entry into treated areas during the restricted-entry intervals (REIs) specified in the following table:

CROP	POST-APPLICATION ACTIVITY	REI
Sweet Corn	Irrigation, handset	5 days
	Harvest, hand	20 days
	All other activities	24 hours

For other crops, DO NOT enter or allow worker entry into treated areas during the restricted-entry interval (REI) or 24 hours.

PRE-HARVEST GRAZING INTERVALS: Do not use treated crops for grazing of livestock or green feed until 30 days after application of **VIKING Hamar Herbicide**. Do not cut treated crops for forage until 30 days after application of **VIKING Hamar Herbicide**. When applied in a tank mixture, always respect the maximum pre-harvest interval stated on the labels of all the tank mix products. Withdraw meat animals from treated fields at least 3 days before slaughter.

ENVIRONMENTAL PRECAUTIONS:

TOXIC to aquatic organisms and non-target terrestrial plants. Observe spray buffer zones specified under DIRECTIONS FOR USE. Avoid contamination of aquatic systems during application. Do not contaminate these systems through direct application, disposal of waste or cleaning of equipment. Avoid contamination of ponds, streams, rivers and other water sources.

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

2023-04-17

2023-0699

Label correction made 2023-07-18

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.

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.

This product contains a petroleum distillate which is moderately to highly toxic to aquatic organisms.

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 person to fresh air. Loosen constricting clothing. 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 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.

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

TOXICOLOGICAL INFORMATION:

This product contains an aromatic hydrocarbon solvent. Vomiting may cause aspiration pneumonia. High concentrations of MCPA may cause severe irritation to the eyes. Symptoms of overexposure to MCPA could include slurred speech, twitching, jerking and spasms, drooling, low blood pressure and unconsciousness. Treat symptomatically.

STORAGE CONDITIONS:

Store this product away from food or feed. This **VIKING Hamar Herbicide** formulation will solidify at temperatures below -20° C but will become usable at temperatures above 0° C. Store the container tightly closed away from seeds, fertilizer, plants and foodstuffs. Insecticides and fungicides should be segregated from herbicides so as to prevent the possibility of cross- contamination.

DISPOSAL:

RECYCLABLE CONTAINER DISPOSAL:

Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

REFILLABLE CONTAINER DISPOSAL:

2023-04-17

2023-0699

Label correction made 2023-07-18

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 use this container for any other purpose.

RETURNABLE CONTAINER DISPOSAL:

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 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.

2023-04-17
2023-0699
Label correction made 2023-07-18
{booklet label}



VIKING™ Hamar Herbicide

GROUP	4 & 6	HERBICIDES
-------	-------	------------

EMULSIFIABLE CONCENTRATE

COMMERCIAL (AGRICULTURAL)

For use in WHEAT (spring, durum & winter), BARLEY, OATS, FLAX (including Low Linolenic Acid Varieties),
CORN (field, sweet), FALL RYE, CANARY SEED, SEEDLING GRASSES, ESTABLISHED GRASSES,
PERENNIAL CEREAL RYE

REGISTRATION NO. 34806 PEST CONTROL PRODUCTS ACT

ACTIVE INGREDIENTS:

Bromoxynil (present as mixed octanoate and heptanoate esters) 280 g/L
MCPA (present as 2-ethylhexyl ester) 280 g /L

NET CONTENTS: 1 L – 1020 L

WARNING



POISON

READ THE LABEL AND BOOKLET BEFORE USING

KEEP OUT OF REACH OF CHILDREN

**In case of emergency call the 24 hour Emergency Response Number 1-800-424-9300
or 1-703-527-3887**

Viking Crop Production Partners Inc.

Box 18033
RPO Shawnessy
Calgary, AB. T2Y 0K3
1-587-743-1029

2023-04-17

2023-0699

Label correction made 2023-07-18

Viking (TM) is a trademark of Viking Crop Production Partners Inc.

2023-04-17

2023-0699

Label correction made 2023-07-18

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN. Avoid contact with skin, eyes and clothing. Wash concentrate from skin or eyes immediately. Avoid working in spray mist. After use wash hands and other exposed skin. Avoid contamination of ponds, streams, rivers and other water sources.

Ground applications: Wear coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes during mixing, loading, clean up and repair. Wear a long-sleeved shirt and long pants, chemical resistant gloves, and socks plus shoes during applications. Gloves are not required during application within a closed cab.

Aerial applications: For the field crew and the mixer/loaders: Wear coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes during mixing, loading, clean up and repair.

Aerial applicators: Wear a long-sleeved shirt, long pants, socks and shoes during application. Gloves are not required during application within a closed cockpit. Do not allow the pilot to mix chemicals to be loaded onto the aircraft.

Do NOT apply this product in a way that will contact workers or other persons, either directly or through drift. Only handlers wearing personal protective equipment may be in the area being treated during the application. Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Discard clothing or other absorbent materials that have been drenched or heavily contaminated with the product's concentrate. DO NOT reuse them.

Do not use in residential areas, which are defined as sites where bystanders may be present during or after spraying, including homes, schools, parks, playgrounds, playing fields, and public buildings. Apply only to agricultural crops when the potential for drift to areas of human habitation and areas of human activity such as houses, cottages, schools, and recreational areas is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment, and sprayer settings.

DO NOT enter or allow worker entry into treated areas during the restricted-entry intervals (REIs) specified in the following table:

CROP	POST-APPLICATION ACTIVITY	REI
Sweet Corn	Irrigation, handset	5 days
	Harvest, hand	20 days
	All other activities	24 hours

For other crops DO NOT enter or allow worker entry into treated areas during the restricted-entry interval (REI) or 24 hours.

PRE-HARVEST GRAZING INTERVALS: Do not use treated crops for grazing of livestock or green feed until 30 days after application of **VIKING Hamar Herbicide**. Do not cut treated crops for forage until 30 days after application of **VIKING Hamar Herbicide**. When applied in a tank mixture, always respect the maximum pre-harvest interval stated on the labels of all the tank mix products. Withdraw meat animals from treated fields at least 3 days before slaughter.

ENVIRONMENTAL PRECAUTIONS:

TOXIC to aquatic organisms and non-target terrestrial plants. Observe spray buffer zones specified under DIRECTIONS FOR USE. Avoid contamination of aquatic systems during application. Do not contaminate these systems through direct application, disposal of waste or cleaning of equipment. Avoid contamination of ponds, streams, rivers and other water sources.

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

2023-04-17
2023-0699
Label correction made 2023-07-18
edge of the water body.

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.

This product contains a petroleum distillate which is moderately to highly toxic to aquatic organisms.

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 person to fresh air. Loosen constricting clothing. 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 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.

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

TOXICOLOGICAL INFORMATION:

This product contains an aromatic hydrocarbon solvent. Vomiting may cause aspiration pneumonia. High concentrations of MCPA may cause severe irritation to the eyes. Symptoms of overexposure to MCPA could include slurred speech, twitching, jerking and spasms, drooling, low blood pressure and unconsciousness. Treat symptomatically.

STORAGE CONDITIONS:

Store this product away from food or feed. This **VIKING Hamar Herbicide** formulation will solidify at temperatures below -20° C but will become usable at temperatures above 0° C. Store the container tightly closed away from seeds, fertilizer, plants and foodstuffs. Insecticides and fungicides should be segregated from herbicides so as to prevent the possibility of cross- contamination.

DISPOSAL:

RECYCLABLE CONTAINER DISPOSAL:

Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

2023-04-17
2023-0699
Label correction made 2023-07-18

REFILLABLE CONTAINER DISPOSAL:

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 use this container for any other purpose.

RETURNABLE CONTAINER DISPOSAL:

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 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.

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.

TIMING: For best results, spray when weeds are in the seedling stage. Apply in good growing conditions. Application must be made before the crop shields the weeds.

SPRAYER: Wash the tank and clean all filters, screens and tips. Select nozzle tips to apply the recommended volume per hectare. Flood jet type tips are not recommended. Adjust boom height to ensure uniform coverage of the weeds. For ground applications, spray at 5 – 10 Kph. Ensure that all tips are in good condition and spraying the same volume.

FIELD SPRAYER APPLICATIONS:

DO NOT apply during periods of dead calm. Avoid application of this product when winds are gusty. DO NOT apply spray droplets smaller than the American Society of Agricultural Engineers (ASAE S572.1) coarse classification. Boom height must be 60 cm above crop or ground. Adjust boom height to ensure uniform coverage of the weeds. Spray at 5 – 10 Kph. Ensure that all tips are in good condition and spraying the same volume.

MIXING: Half fill the tank with clean water. Add the required amount of **VIKING Hamar Herbicide** and agitate thoroughly. Fill the tank and agitate again before use.

AERIAL APPLICATION (wheat, barley and oats only):

Aerial Application Instructions:

DO NOT apply during periods of dead clam. 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 wingspan or rotorspan.

2023-04-17

2023-0699

Label correction made 2023-07-18

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 rate 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.

Coarse sprays are less likely to drift, therefore, avoid combinations of pressure and nozzle type that will result in fine particles (mist). Do not apply during periods of dead calm or when wind velocity and direction pose a risk of spray drift. Do not spray when the wind is blowing towards a nearby sensitive crop, garden, terrestrial habitat (such as shelterbelt) or aquatic habitat.

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 pilots have communication capabilities at each treatment site at the time of application. Aerial applicators must wear long pants and a long-sleeved shirt. The field crew and the mixer/loaders must wear long pants and long-sleeved shirt, chemical resistant gloves, coveralls and goggles or face shield during mixing/loading, cleanup and repair. Aircraft must be closed cab. Mixer/loader and applicator must be different individuals. No human flaggers permitted.

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 1-587-743-1029 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:

Volume: VIKING Hamar Herbicide must be applied in volume rates of not less than 20 L/ha. For best results when there is a heavy crop canopy, or when the majority of the weeds are cow cockle, smartweed, hemp-nettle, pigweed or Canada thistle, a volume rate of 40 L/ha is recommended.

SPRAY BUFFER ZONES:

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

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

2023-04-17
 2023-0699
 Label correction made 2023-07-18

Method of application	Crop		Spray Buffer Zone (meters) Required for the Protection of:				Terrestrial Habitats
			Fresh Water Habitats 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	All Crops		1	1	1	1	4
Aerial	Oats	Fixed Wing	15	2	1	1	60
		Rotary Wing	15	1	1	1	50
	Barley and Wheat	Fixed Wing	20	5	1	1	60
		Rotary Wing	20	3	1	1	50

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 that are larger than 1m 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, please note that **VIKING Hamar Herbicide** is both a Group 4 and a Group 6 herbicide. Any weed population may contain or develop plants naturally resistant to **VIKING Hamar Herbicide** and other Group 4 and Group 6 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 **VIKING Hamar Herbicide** or other Group 4 and 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 resistant-prone partner should control the target weed(s) as effectively as the more resistant-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 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 Viking Crop Production Partners Inc. at 1-587-743-1029.

2023-04-17
 2023-0699
 Label correction made 2023-07-18

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 Viking Crop Production Partners Inc. at 1-587-743-1029 for information before applying any tank mix that is not specifically recommended on this label.

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 all product labels.

WHEAT (SPRING, DURUM & WINTER) (NOT UNDERSEEDED TO LEGUMES)

VIKING HAMAR HERBICIDE USED ALONE:	
SPRAY VOLUME & PRESSURE:	Apply in NOT LESS than 50 litres of water per hectare at a pressure of 275 kPa.
TIMING:	Spring wheat may be treated from the 2-leaf until the early flag leaf stage. Winter wheat may be treated from the 2 to 4-leaf stage in the fall or from the time growth commences to the early flag leaf stage in the spring.
APPLICATION RATE:	1 L/ha. A maximum of one application per year.
WEEDS CONTROLLED:	<p>Seedlings up to 4-leaf stage Green smartweed, Pale smartweed Lady's-thumb, Cow cockle*, Redroot pigweed, Flixweed, Bluebur, Shepherd's-purse, Kochia**, Russian thistle**, Scentless chamomile***, Volunteer sunflower, Volunteer rapeseed (including Canola), Night flowering catchfly, Cocklebur, Velvetleaf****, Ball mustard, American nightshade</p> <p>Seedlings up to 6-leaf stage Wild tomato</p> <p>Seedlings up to 8-leaf stage Wild buckwheat, Tartary buckwheat, Common buckwheat, Stinkweed, Wild mustard, Wormseed mustard, Lamb's-quarters, Common ragweed, Common groundsel</p> <p>Perennials: Top-growth suppression Canada thistle, Perennial sow-thistle</p> <p>* <i>In normal conditions cow cockle will be controlled up to the 4-leaf stage. Plants beyond this stage are unlikely to be controlled.</i> ** <i>Spray before plants are 5 cm high.</i> *** <i>Spring annuals only.</i> **** <i>Spray before plants are 8 cm high.</i></p>
Note:	Rainfall within 1 hour of application may reduce effectiveness.

2023-04-17
 2023-0699
 Label correction made 2023-07-18

WHEAT (winter) not underseeded to legumes (for use across Canada)

The DIRECTIONS FOR USE for the uses described in this section of the label were developed by persons other than Viking Crop Production Partners Inc. Under the User Requested Minor Use Label Expansion program. For these uses, Viking Crop Production Partners Inc. has not fully assessed performance (efficacy) and/or crop tolerance (phytotoxicity) under all environmental conditions or for all crop varieties when used in accordance with the label. The user should test the product on a small area first, under local conditions and using standard practices, to confirm the product is suitable for widespread application.

VIKING HAMAR HERBICIDE USED ALONE - SUPPRESSION OF PRICKLY LETTUCE	
CROP	Winter wheat (not underseeded to legumes)
TIMING:	Winter wheat may be treated from the 2 to 4-leaf stage in the fall or from the time growth commences to the early flag leaf stage in the spring. Make only one application per year.
SPRAY VOLUME & PRESSURE:	Apply in NOT LESS than 50 litres of water per hectare at a pressure of 275 kPa. DO NOT apply using aerial application equipment.
APPLICATION RATE:	1 L/ha. A maximum of one application per year.
WEEDS CONTROLLED:	Weed species listed under the previous section titled "WHEAT (spring, durum, winter) (not underseeded to legumes)", plus suppression of prickly lettuce at the 2- to 12-leaf stage.

VIKING HAMAR HERBICIDE + MCPA	
SPRAY VOLUME & PRESSURE:	Apply in NOT LESS than 50 litres of water per hectare at a pressure of 275 kPa.
TIMING:	Spring wheat may be treated from the 2-leaf until the early flag leaf stage.
APPLICATION RATE:	VIKING Hamar Herbicide at 1L/ha tank-mixed with 275 g active ingredient MCPA per hectare. A maximum of one application per year.
WEEDS CONTROLLED:	As listed for VIKING Hamar Herbicide alone plus these additional weeds. Seedlings up to 4-leaf stage Hemp-nettle* Seedlings up to 8-leaf stage Volunteer rapeseed (including Canola) <i>* Hemp-nettle is unlikely to be controlled beyond the 4-leaf stage. Plants emerging after application, which is often the case on peat-type soils, will not be controlled.</i>
Note:	MCPA-K is preferred for hemp-nettle although other formulations may be used. Add MCPA to the spray tank first, agitate, and then add VIKING Hamar Herbicide .

2023-04-17

2023-0699

Label correction made 2023-07-18

VIKING HAMAR HERBICIDE + ACHIEVE™ LIQUID (spring wheat and durum wheat)	
SPRAY VOLUME & PRESSURE:	Apply in 100 litres of water per hectare at a pressure of 275 kPa.
TIMING:	Applications of VIKING Hamar Herbicide + ACHIEVE LIQUID tank mixtures should be made to spring wheat from the 2-leaf until the early flag leaf stage of growth (total leaves including tillers) (Zadoks or BBCN growth stage of 11,20 to 14,21), when wild oats are at the 1 - 6 leaf stage of growth (total leaves including tillers) (Zadoks or BBCN growth stage of 11,20 to 14,22) and when green foxtail (wild millet) is at the 1 - 5 leaf stage of growth (Zadoks or BBCN growth stage of 11,20 to 14,21). Refer to the illustration on the ACHIEVE LIQUID label.
APPLICATION RATE:	VIKING Hamar Herbicide at 1 L/ha tank-mixed with ACHIEVE LIQUID at 0.5 L/ha. When using this tank mixture, add TURBOCHARGE® to the spray tank at a concentration of 0.5% v/v (i.e. 0.5 L of TURBOCHARGE per 100 L of spray solution). A maximum of one application per year.
WEEDS CONTROLLED:	As listed on the VIKING Hamar Herbicide alone plus wild oats and green foxtail (wild millet).
Note:	VIKING Hamar Herbicide + ACHIEVE LIQUID tank mixtures can be used in all varieties of spring wheat (including hard red spring, Canada prairie spring, soft white spring, and utility) and durum. Only apply this mixture to spring or durum wheat that is NOT UNDERSEEDED TO LEGUMES. DO NOT apply using aerial application equipment.

VIKING HAMAR HERBICIDE + ALLY®	
SPRAY VOLUME & PRESSURE:	Apply in NOT LESS than 100 litres of water per hectare at a pressure of 275 kPa.
TIMING:	Spring wheat (not underseeded with other crops) may be treated from the 2-leaf to early flag leaf stage.
APPLICATION RATE:	VIKING Hamar Herbicide at 1 L/ha tank-mixed with ALLY at 7.5 g/ha plus a surfactant as required on the ALLY label. Add ALLY to the required water volume in the tank first, agitate, then add VIKING Hamar Herbicide , agitate, and then add the surfactant. On repeat tank loads, prepare an ALLY/water slurry and add it to the required water volume in the tank prior to adding the VIKING Hamar Herbicide . DO NOT apply using aerial application equipment. A maximum of one application per year.
WEEDS CONTROLLED:	As listed for VIKING Hamar Herbicide alone at the recommended rate, plus hemp-nettle up to the 8 leaf stage (4 pairs of leaves), and chickweed up to 7 cm high. For best results, apply to the first main flush of young, actively growing weeds.
Note:	Refer to the ALLY label for limitations on soil pH, crop rotations and sprayer cleanup.

2023-04-17

2023-0699

Label correction made 2023-07-18

VIKING HAMAR HERBICIDE + ACCORD® (spring wheat and durum wheat) (not underseeded to forages)	
For use in the Prairie Provinces and Interior of British Columbia (Including the Peace River Region) only.	
SPRAY VOLUME & PRESSURE:	Apply in 100 litres of water per hectare at a pressure of 275 kPa
TIMING:	Spring wheat may be treated from the 2 to 5-leaf stage, green foxtail 1 to 5-leaf maximum of 2 tillers, barnyard grass 1 to 5-leaf, cleavers 1 to 3-whorls, volunteer flax 1 to 8-cm and broadleaf weeds in the seedling stage as listed for VIKING Hamar Herbicide alone.
APPLICATION RATE:	VIKING Hamar Herbicide at 1L/ha tank-mixed with ACCORD at 135-165g/ha plus MERGE adjuvant at a concentration of 1.0% v/v (i.e. 1L per 100 L of spray solution). The level of green foxtail control may be improved by using the 165g/ha rate of ACCORD in the tank-mixture. If grassy weeds and broadleaf weeds are not in the recommended treatment stage at the same time, then separate applications should be made. A maximum of one application per year.
WEEDS CONTROLLED:	As listed for VIKING Hamar Herbicide alone plus green foxtail (including Group 1 and Group 3 resistant biotypes), volunteer flax, cleavers, and barnyard grass.
Note:	DO NOT apply using aerial application equipment. VIKING Hamar Herbicide + ACCORD tank-mixtures can be used in hard red spring, Canadian prairie spring, durum, and Canada Western extra strong wheat. Do not graze or cut for hay within 77 days of application. Overspray or drift into important wildlife habitats such as shelterbelts, wetlands, woodlots, vegetated ditch, ponds, lake banks and other cover on the edges of fields should be avoided. A 10-metre buffer zone should be observed adjacent to aquatic habitats such as streams, ponds, rivers and lakes and to areas that drain into these habitats. Do not apply ACCORD to any field more often than every second year. However, in the event of crop failure, spring and durum wheat may be reseeded in fields treated with ACCORD

VIKING HAMAR HERBICIDE + REFINE EXTRA (winter wheat, spring wheat and durum wheat)	
SPRAY VOLUME & PRESSURE:	Apply in NOT LESS than 100 litres of water per hectare at a pressure of 275 kPa.
TIMING:	Spring wheat (not underseeded with other crops) may be treated from the 2-leaf to early flag leaf stage.
APPLICATION RATE:	VIKING Hamar Herbicide at 1 L/ha tank-mixed with REFINE EXTRA at 6.7 g/ha plus a surfactant as required on the REFINE EXTRA label. Add REFINE EXTRA to the required water volume in the tank first, agitate, then add VIKING Hamar Herbicide , agitate, then add the surfactant. On repeat tank loads, prepare a REFINE EXTRA/water slurry and add it to the required water volume in the tank prior to adding the VIKING Hamar Herbicide . A maximum of one application per year.
WEEDS CONTROLLED:	As listed for VIKING Hamar Herbicide alone at the recommended rate, plus hemp-nettle up to the 6-leaf stage (3 pairs of leaves), and chickweed up to the 6 leaf stage (3 pairs of leaves). For best results, apply to the first main flush of young, actively growing weeds.
Note:	DO NOT apply using aerial application equipment.

2023-04-17

2023-0699

Label correction made 2023-07-18

VIKING HAMAR HERBICIDE + EVEREST® HERBICIDE (spring wheat)	
For use in Manitoba, Saskatchewan, Alberta and Interior of British Columbia (Including the Peace River Region) only.	
SPRAY VOLUME & PRESSURE:	Apply in a spray volume of 50-100 litres of water per hectare at a pressure of 275 kPa.
TIMING:	Application of VIKING Hamar Herbicide + EVEREST HERBICIDE tank mixtures should be made to spring wheat from the 1-4 leaf stage of growth on the main stem plus 2 tillers. Application beyond the 4-leaf stage of spring wheat may result in crop injury. Apply to wild oats and green foxtail (wild millet) when no larger than 4-leaf - 2 tillers, to redroot pigweed, volunteer canola and green smartweed prior to the 6 leaf stage of growth, and to stinkweed prior to the 9 leaf stage of growth.
APPLICATION RATE:	VIKING Hamar Herbicide at 1.0 L/ha tank mixed with EVEREST HERBICIDE at 43 g/ha plus an adjuvant listed on the EVEREST HERBICIDE label at a concentration of 0.25% v/v (i.e. 250 mL/ha with 100 L/ha of water). A maximum of one application per year.
WEEDS CONTROLLED:	As listed for VIKING Hamar Herbicide alone plus wild oats and green foxtail (wild millet).
APPLICATION RATE:	VIKING Hamar Herbicide at 1.0 L/ha tank mixed with EVEREST HERBICIDE at 21.5 g/ha.
WEEDS CONTROLLED:	As listed for VIKING Hamar Herbicide alone plus green foxtail (wild millet).
Note:	DO NOT apply using aerial application equipment. VIKING Hamar Herbicide + EVEREST HERBICIDE tank mixtures can be used in all varieties of spring wheat (including hard red spring, Canada prairie spring, soft white spring and extra strong or utility). Do not feed or graze treated fields. Wheat grain or straw from treated fields may be fed to livestock. Observe a minimum interval to harvest of 80 days after treatment. Do not apply if rain is expected within 1 hour after spraying.

VIKING HAMAR HERBICIDE + AXIAL® 100EC (spring wheat only)	
For use in the Prairie Provinces and Peace River, Okanagan and Creston Flats Region of British Columbia only.	
SPRAY VOLUME & PRESSURE:	Apply in 50-100 litres of water per hectare at a pressure of 275 kPa.
TIMING:	Spring wheat may be treated prior to the flag leaf stage, and when annual grasses are at the 1 to 6-leaf stage, prior to 4 th tiller.
APPLICATION RATE:	VIKING Hamar Herbicide at 1L/ha tank-mixed with AXIAL 100EC at 600 mL/ha plus ADIGOR® adjuvant at 700 mL/ha. A maximum of one application per year.
WEEDS CONTROLLED:	As listed for VIKING Hamar Herbicide alone plus wild oats, green foxtail, yellow foxtail, volunteer oats, volunteer canary seed and proso millet.
Note:	DO NOT apply using aerial application equipment. VIKING Hamar Herbicide + AXIAL 100EC can be used in all varieties of spring wheat. One application per year is permitted. Observe a minimum interval to harvest of 60 days after treatment for grain and straw and of 30 days after treatment for hay and grazing of livestock. Do not apply if rain is expected within 1 hour after spraying. Only apply this tank mixture to wheat that is NOT UNDERSEED TO LEGUMES.

2023-04-17

2023-0699

Label correction made 2023-07-18

WHEAT (winter) (underseeded to red clover)

VIKING HAMAR HERBICIDE USED ALONE	
For use in Ontario, Quebec and the Maritime Provinces only	
SPRAY VOLUME & PRESSURE:	Apply in NOT LESS than 200 litres of water per hectare at a pressure of 275 kPa.
TIMING:	Apply in the spring when the red clover is in the 1st to 3rd trifoliolate leaf stage and when the winter wheat provides a protective canopy over the red clover. The winter wheat may be treated from the 2-leaf until the early flag leaf stage.
APPLICATION RATE:	1 L/ha. A maximum of one application per year.
WEEDS CONTROLLED:	<p>Seedlings up to 4-leaf stage Green smartweed, Pale smartweed, Lady's-thumb, Cow cockle*, Redroot pigweed, Flixweed, Bluebur, Shepherd's-purse, Kochia**, Russian thistle**, Scentless chamomile***, Volunteer sunflower, Volunteer rapeseed (including Canola), Night flowering catchfly, Cocklebur, Velvetleaf****, Ball mustard, American nightshade</p> <p>Seedlings up to 6-leaf stage Wild tomato</p> <p>Seedlings up to 8-leaf stage Wild buckwheat, Tartary buckwheat, Common buckwheat, Stinkweed, Wild mustard, Wormseed mustard, Lamb's-quarters, Common ragweed, Common groundsel</p> <p>Perennials: Top-growth suppression Canada thistle, Perennial sow-thistle</p> <p>* <i>In normal conditions cow cockle will be controlled up to the 4-leaf stage. Plants beyond this stage are unlikely to be controlled.</i></p> <p>** <i>Spray before plants are 5 cm high.</i></p> <p>*** <i>Spring annuals only.</i></p> <p>**** <i>Spray before plants are 8 cm high.</i></p>
Note:	<p>Use of this product may cause temporary leaf scorch or foliar burn in adverse growing conditions, especially if applied before or during periods of hot and humid weather conditions. Do not apply if the red clover is under stress. Avoid overlapping as severe crop injury may occur.</p> <p>Rainfall within 1 hour of application may reduce effectiveness.</p>

2023-04-17

2023-0699

Label correction made 2023-07-18

WINTER WHEAT UNDERSEEDED TO RED CLOVER

For use in Ontario, Québec and the Maritime Provinces only

The DIRECTIONS FOR USE for the uses described in this section of the label were developed by persons other than Viking Crop Production Partners Inc. Under the User Requested Minor Use Label Expansion program. For these uses, Viking Crop Production Partners Inc. has not fully assessed performance (efficacy) and/or crop tolerance (phytotoxicity) under all environmental conditions or for all crop varieties when used in accordance with the label. The user should test the product on a small area first, under local conditions and using standard practices, to confirm the product is suitable for widespread application.

VIKING HAMAR HERBICIDE USED ALONE – SUPPRESSION OF PRICKLY LETTUCE	
CROP	Winter wheat (underseeded to red clover)
TIMING:	Apply in the spring when red clover is in the 1 st to 3 rd trifoliolate leaf stage and when the winter wheat provides a protective canopy over the red clover. The Winter may may be treated from the 2 leaf until the early flag leaf stage.
SPRAY VOLUME & PRESSURE:	Apply in NOT LESS than 50 litres of water per hectare at a pressure of 275 kPa. DO NOT apply using aerial application equipment.
APPLICATION RATE:	1 L/ha. A maximum of one application per year.
WEEDS CONTROLLED:	Weed species listed under the previous section titled “WHEAT (winter) (underseeded to red clover)”, plus suppression of prickly lettuce at the 2- to 12-leaf stage.

BARLEY (NOT UNDERSEEDED TO LEGUMES)

VIKING HAMAR HERBICIDE USED ALONE	
SPRAY VOLUME & PRESSURE:	Apply in NOT LESS than 50 litres of water per hectare at a pressure of 275 kPa.
TIMING:	The crop may be treated from the 2-leaf until the early flag leaf stage.
APPLICATION RATE:	1 L/ha. A maximum of one application per year.
WEEDS CONTROLLED:	<p>Seedlings up to 4-leaf stage Green smartweed, Pale smartweed, Lady’s-thumb, Cow cockle*, Redroot pigweed, Flixweed, Bluebur, Shepherd’s-purse, Kochia**, Russian thistle**, Scentless chamomile***, Volunteer sunflower, Volunteer rapeseed (including Canola), Night flowering catchfly, Cocklebur Velvetleaf****, Ball mustard, American nightshade</p> <p>Seedlings up to 6-leaf stage Wild tomato</p> <p>Seedlings up to 8-leaf stage Wild buckwheat, Tartary buckwheat, Common buckwheat, Stinkweed, Wild mustard, Wormseed mustard, Lamb’s-quarters, Common ragweed, Common groundsel</p> <p>Perennials: Top-growth suppression Canada thistle, Perennial sow-thistle</p> <p>* <i>In normal conditions cow cockle will be controlled up to the 4-leaf stage. Plants beyond this stage are unlikely to be controlled.</i> ** <i>Spray before plants are 5 cm high.</i> *** <i>Spring annuals only.</i> **** <i>Spray before plants are 8 cm high.</i></p>

2023-04-17

2023-0699

Label correction made 2023-07-18

Note:	Rainfall within 1 hour of application may reduce effectiveness.
--------------	---

VIKING HAMAR HERBICIDE + MCPA	
SPRAY VOLUME & PRESSURE:	Apply in NOT LESS than 50 litres of water per hectare at a pressure of 275 kPa.
TIMING:	The crop may be treated from the 2-leaf until the early flag leaf stage.
APPLICATION RATE:	VIKING Hamar Herbicide at 1 L/ha tank-mixed with 275g active ingredient MCPA per hectare. A maximum of one application per year.
WEEDS CONTROLLED:	As listed for VIKING Hamar Herbicide alone plus these additional weeds. Seedlings up to 4-leaf stage Hemp-nettle* Seedlings up to 8-leaf stage Volunteer rapeseed (including Canola) * <i>Hemp-nettle is unlikely to be controlled beyond the 4-leaf stage. Plants emerging after application, which is often the case on peat- type soils, will not be controlled.</i>
Note:	MCPA-K is preferred for hemp-nettle although other formulations may be used. Add MCPA to the spray tank first, agitate, then add VIKING Hamar Herbicide .

VIKING HAMAR HERBICIDE + ACHIEVE LIQUID (spring barley only)	
SPRAY VOLUME & PRESSURE:	Apply in 100 litres of water per hectare at a pressure of 275 kPa.
TIMING:	Applications of VIKING Hamar Herbicide + ACHIEVE 80 DG or ACHIEVE LIQUID tank mixtures should be made to spring barley from the 2-leaf until the early flag leaf stage of growth (total leaves including tillers) (Zadoks or BBCN growth stage of 11,20 to 14,21) and when wild oats are at the 1 - 6 leaf stage of growth (total leaves including tillers) (Zadoks or BBCN growth stage of 11,20 to 14,22) and when green foxtail (wild millet) is at the 1 - 5 leaf stage of growth (Zadoks or BBCN growth stage of 11,20 to 14,21). Refer to the illustration on the ACHIEVE LIQUID label.
APPLICATION RATE:	VIKING Hamar Herbicide at 1 L/ha tank-mixed with ACHIEVE LIQUID at 0.5 L/ha. When using this tank mixture, add Turbocharge** to the spray tank at a concentration of 0.5% v/v (i.e. 0.5 L of Turbocharge per 100 L of spray solution). A maximum of one application per year.
WEEDS CONTROLLED:	As listed for VIKING Hamar Herbicide alone plus wild oats and green foxtail (wild millet).
Note:	DO NOT apply using aerial application equipment. VIKING Hamar Herbicide + ACHIEVE LIQUID tank mixtures can be used in all 2 or 6 row varieties of barley (malting and general purpose varieties including semi-dwarf and hulless). Only apply this mixture to spring barley that is NOT UNDERSEED TO LEGUMES.

2023-04-17

2023-0699

Label correction made 2023-07-18

VIKING HAMAR HERBICIDE + ALLY	
SPRAY VOLUME & PRESSURE:	Apply in NOT LESS than 100 litres of water per hectare at a pressure of 275 kPa.
TIMING:	Barley (not underseeded with other crops) may be treated from the 2-leaf to early flag leaf stage.
APPLICATION RATE:	VIKING Hamar Herbicide at 1 L/ha tank-mixed with ALLY at 7.5 g/ha plus a surfactant as required on the ALLY label. Add ALLY to the required water volume in the tank first, agitate, then add VIKING Hamar Herbicide , agitate, then add the surfactant. On repeat tank loads, prepare an ALLY/water slurry and add it to the required water volume in the tank prior to adding the VIKING Hamar Herbicide . DO NOT APPLY THIS TANK MIX BY AIR. A maximum of one application per year.
WEEDS CONTROLLED:	As listed for VIKING Hamar Herbicide alone at the recommended rate, plus hemp-nettle up to the 8 leaf stage (4 pairs of leaves), and chickweed up to 7 cm high. For best results, apply to the first main flush of young, actively growing weeds.
Note:	Refer to the ALLY label for limitations on soil pH, crop rotations and sprayer cleanup.

VIKING HAMAR HERBICIDE + REFINE EXTRA (spring barley)	
SPRAY VOLUME & PRESSURE:	Apply in NOT LESS than 100 litres of water per hectare at a pressure of 275 kPa.
TIMING:	Spring barley (not underseeded with other crops) may be treated from the 2-leaf to early flag leaf stage.
APPLICATION RATE:	VIKING Hamar Herbicide at 1 L/ha tank-mixed with REFINE EXTRA at 6.7 g/ha plus a surfactant as required on the REFINE EXTRA label. Add REFINE EXTRA to the required water volume in the tank first, agitate, then add VIKING Hamar Herbicide , agitate, then add the surfactant. On repeat tank loads, prepare a REFINE EXTRA/water slurry and add it to the required water volume in the tank prior to adding the VIKING Hamar Herbicide . A maximum of one application per year.
WEEDS CONTROLLED:	As listed for VIKING Hamar Herbicide alone at the recommended rate, plus hemp-nettle up to the 6-leaf stage (3 pairs of leaves), and chickweed up to the 6 leaf stage (3 pairs of leaves). For best results, apply to the first main flush of young, actively growing weeds.
Note:	DO NOT apply using aerial application equipment.

VIKING HAMAR HERBICIDE + AXIAL 100EC (spring barley)	
For use in the Prairie Provinces and Peace River, Okanagan and Creston Flats Region of British Columbia only.	
SPRAY VOLUME & PRESSURE:	Apply in 50-100 litres of water per hectare at a pressure of 275 kPa.
TIMING:	Spring Barley may be treated prior to the flag leaf stage, and when annual grasses are at the 1 to 6- leaf stage, prior to 4 th tiller.
APPLICATION RATE:	VIKING Hamar Herbicide at 1L/ha tank-mixed with AXIAL 100EC at 600 mL/ha plus ADIGOR adjuvant at 700 mL/ha. A maximum of one application per year.
WEEDS CONTROLLED:	As listed for VIKING Hamar Herbicide alone plus wild oats, green foxtail, yellow foxtail, volunteer oats, volunteer canary seed and proso millet.
Note:	DO NOT apply using aerial application equipment. VIKING Hamar Herbicide + AXIAL 100EC can be used in all varieties of spring barley. One application per year is permitted. Observe a minimum interval to harvest of 60 days after treatment for grain and straw and of 30 days after treatment for hay and grazing of livestock. Do not apply if rain is expected within 1 hour after spraying. Only apply this

2023-04-17

2023-0699

Label correction made 2023-07-18

	tank mixture to spring barley that is NOT UNDERSEED TO LEGUMES.
--	---

OATS (NOT UNDERSEED TO LEGUMES)

VIKING HAMAR HERBICIDE USED ALONE	
SPRAY VOLUME & PRESSURE:	Apply in NOT LESS than 50 litres of water per hectare at a pressure of 275 kPa.
TIMING:	The crop may be treated from the 2-leaf until the early flag leaf stage.
APPLICATION RATE:	1 L/ha. A maximum of one application per year.
WEEDS CONTROLLED:	<p>Seedlings up to 4-leaf stage Green smartweed, Pale smartweed, Lady's-thumb, Cow cockle*, Redroot pigweed, Flixweed, Bluebur, Shepherd's-purse, Kochia**, Russian thistle**, Scentless chamomile***, Volunteer sunflower, Volunteer rapeseed (including Canola), Night flowering catchfly, Cocklebur Velvetleaf****, Ball mustard, American nightshade</p> <p>Seedlings up to 6-leaf stage Wild tomato</p> <p>Seedlings up to 8-leaf stage Wild buckwheat, Tartary buckwheat, Common buckwheat, Stinkweed, Wild mustard, Wormseed mustard, Lamb's-quarters, Common ragweed, Common groundsel</p> <p>Perennials: Top-growth suppression Canada thistle, Perennial sow-thistle</p> <p>* <i>In normal conditions cow cockle will be controlled up to the 4-leaf stage. Plants beyond this stage are unlikely to be controlled.</i></p> <p>** <i>Spray before plants are 5 cm high.</i></p> <p>*** <i>Spring annuals only.</i></p> <p>**** <i>Spray before plants are 8 cm high.</i></p>
Note:	Rainfall within 1 hour of application may reduce effectiveness.

VIKING HAMAR HERBICIDE + MCPA	
SPRAY VOLUME & PRESSURE:	Apply in NOT LESS than 50 litres of water per hectare at a pressure of 275 kPa.
TIMING:	The crop may be treated from the 2-leaf until the early flag leaf stage.
APPLICATION RATE:	VIKING Hamar Herbicide at 1 L/ha tank-mixed with 275 g active ingredient MCPA per hectare. A maximum of one application per year.
WEEDS CONTROLLED:	<p>As listed for VIKING Hamar Herbicide alone plus these additional weeds.</p> <p>Seedlings up to 4-leaf stage Hemp-nettle*</p> <p>Seedlings up to 8-leaf stage Volunteer rapeseed (including Canola)</p> <p>* <i>Hemp-nettle is unlikely to be controlled beyond the 4-leaf stage. Plants emerging after application, which is often the case on peat- type soils, will not be controlled.</i></p>
Note:	MCPA-K is preferred for hemp-nettle although other formulations may be used. Add MCPA to the spray tank first, agitate, and then add VIKING Hamar Herbicide .

2023-04-17

2023-0699

Label correction made 2023-07-18

CORN (field & sweet)

VIKING HAMAR HERBICIDE USED ALONE	
SPRAY VOLUME & PRESSURE:	Apply in 200 – 300 litres of water per hectare at a pressure of 275 kPa.
TIMING:	Corn should be treated with a broadcast post-emergence application at the recommended rate FROM THE 4 to 6-LEAF STAGE. Damage to corn will result if sprayed beyond the 6-leaf stage.
APPLICATION RATE:	1 L/ha. DO NOT apply using aerial application equipment. A maximum of one application per year.
WEEDS CONTROLLED:	<p>Seedlings up to 4-leaf stage Green smartweed Pale smartweed Lady's-thumb Cow cockle* Redroot pigweed Flixweed, Bluebur, Shepherd's-purse, Kochia**, Russian thistle**, Scentless chamomile***, Volunteer sunflower, Volunteer rapeseed (including Canola), Night flowering catchfly, Cocklebur Velvetleaf****, Ball mustard, American nightshade</p> <p>Seedlings up to 6-leaf stage Wild tomato</p> <p>Seedlings up to 8-leaf stage Wild buckwheat, Tartary buckwheat, Common buckwheat, Stinkweed, Wild mustard, Wormseed mustard, Lamb's-quarters, Common ragweed, Common groundsel</p> <p>Perennials: Top-growth suppression Canada thistle, Perennial sow-thistle</p> <p>* <i>In normal conditions cow cockle will be controlled up to the 4-leaf stage. Plants beyond this stage are unlikely to be controlled.</i> ** <i>Spray before plants are 5 cm high.</i> *** <i>Spring annuals only.</i> **** <i>Spray before plants are 8 cm high.</i></p>
Note:	Temporary crop injury in the form of leaf scorching may occur in adverse growing conditions (especially if applied during or after periods of cool and wet, or hot and humid weather conditions). Cultivation after application is not recommended. DO NOT ADD OIL OR SURFACTANT. Rainfall within 1 hour of application may reduce effectiveness.

VIKING HAMAR HERBICIDE + ATRAZINE®	
SPRAY VOLUME & PRESSURE:	Apply in 200 – 300 litres of water per hectare at a pressure of 275 kPa.
TIMING:	Corn should be treated FROM THE 4 to 6-LEAF STAGE. Damage to corn will result if sprayed beyond the 6-leaf stage.
APPLICATION RATE:	VIKING Hamar Herbicide at 1 L/ha tank-mixed with atrazine at 1.1 – 2.25 kg active ingredient per hectare. Add atrazine to the spray tank first, mix well, then add VIKING Hamar Herbicide . DO NOT apply using aerial application equipment. A maximum of one application per year.
WEEDS CONTROLLED:	As listed for VIKING Hamar Herbicide used alone <i>plus</i> weeds as indicated on the atrazine label.
Note:	Temporary crop injury in the form of leaf scorching may occur in adverse growing conditions (especially if applied during or after periods of cool and wet, or hot and humid weather conditions). Cultivation after application is not recommended. DO NOT ADD OIL OR SURFACTANT, OR USE ATRAZINE FORMULATIONS

2023-04-17

2023-0699

Label correction made 2023-07-18

	CONTAINING OIL.
--	-----------------

FALL RYE (NOT UNDERSEEDED TO LEGUMES)

VIKING HAMAR HERBICIDE USED ALONE	
SPRAY VOLUME & PRESSURE:	Apply in NOT LESS than 50 litres of water per hectare at a pressure of 275 kPa.
TIMING:	Fall rye may be treated from the time growth commences to the early flag leaf stage in the spring.
APPLICATION RATE:	1 L/ha. A maximum of one application per year.
WEEDS CONTROLLED:	<p>Seedlings up to 4-leaf stage Green smartweed, Pale smartweed, Lady's-thumb, Cow cockle*, Redroot pigweed, Flixweed, Bluebur, Shepherd's-purse, Kochia**, Russian thistle**, Scentless chamomile***, Volunteer sunflower, Volunteer rapeseed (including Canola) Night flowering catchfly, Cocklebur Velvetleaf****, Ball mustard, American nightshade</p> <p>Seedlings up to 6-leaf stage Wild tomato</p> <p>Seedlings up to 8-leaf stage Wild buckwheat, Tartary buckwheat, Common buckwheat, Stinkweed, Wild mustard, Wormseed mustard, Lamb's-quarters, Common ragweed, Common groundsel</p> <p>Perennials: Top-growth suppression Canada thistle, Perennial sow-thistle</p> <p>* <i>In normal conditions cow cockle will be controlled up to the 4-leaf stage. Plants beyond this stage are unlikely to be controlled.</i></p> <p>** <i>Spray before plants are 5 cm high.</i></p> <p>*** <i>Spring annuals only.</i></p> <p>**** <i>Spray before plants are 8 cm high</i></p>
Note:	Rainfall within 1 hour of application may reduce effectiveness.

2023-04-17

2023-0699

Label correction made 2023-07-18

FLAX (including low linolenic acid varieties)

VIKING HAMAR HERBICIDE USED ALONE	
SPRAY VOLUME & PRESSURE:	Apply in NOT LESS than 50 litres of water per hectare at a pressure of 275 kPa.
TIMING:	Flax may be treated from the time it is 5 cm high up to the early flower bud stage but for best results apply VIKING Hamar Herbicide when flax is 5 to 10 cm high. Some leaf burn and check to growth may follow spraying. Observe a minimum interval to harvest of 60 days after application of VIKING Hamar Herbicide . Spraying in the evening may reduce risk of flax injury. WARNING: Do not spray unthrifty crops or when plants are under stress. Do not spray in periods of hot, humid weather. DO NOT apply using aerial application equipment.
APPLICATION RATE:	1 L/ha. A maximum of one application per year.
WEEDS CONTROLLED:	Due to flax's less competitive nature, weeds should be sprayed in as early a leaf stage as possible, up to the recommended leaf stage. Seedlings up to 4-leaf stage Green smartweed, Pale smartweed, Lady's-thumb, Cow cockle*, Redroot pigweed Flixweed, Bluebur Shepherd's-purse, Kochia**, Russian thistle**, Scentless chamomile***, Volunteer sunflower, Volunteer rapeseed (including Canola), Night flowering catchfly, Cocklebur Velvetleaf****, Ball mustard, American nightshade Seedlings up to 6-leaf stage Wild tomato Seedlings up to 8-leaf stage Wild buckwheat, Tartary buckwheat, Common buckwheat, Stinkweed, Wild mustard, Wormseed mustard, Lamb's-quarters, Common ragweed, Common groundsel Perennials: Top-growth suppression Canada thistle, Perennial sow-thistle * <i>In normal conditions cow cockle will be controlled up to the 4-leaf stage. Plants beyond this stage are unlikely to be controlled.</i> ** <i>Spray before plants are 5 cm high.</i> *** <i>Spring annuals only.</i> **** <i>Spray before plants are 8 cm high.</i>
Note:	Rainfall within 1 hour of application may reduce effectiveness.

2023-04-17

2023-0699

Label correction made 2023-07-18

VIKING HAMAR HERBICIDE + SELECT® or CENTURION® ON FLAX (including low linolenic acid varieties)	
SPRAY VOLUME & PRESSURE:	Apply in 55 – 110 litres of water per hectare at a pressure of 275 kPa.
TIMING:	Flax may be treated from 5 cm high up to the early bud stage. For best results, apply this tank-mix when flax is 5-10 cm high and weeds are in the seedling stage. Leaf burn and check to crop growth may follow spraying. When using this tank-mix, it is important that application be made at the recommended stage of weed growth, particularly where smartweed is present. If broadleaf weeds and grasses are not within the recommended stage at the same time, then separate applications should be made. WARNING: Do not spray unthrifty crops or when flax is under stress due to drought or excess soil moisture. Do not spray in hot, humid weather conditions. DO NOT apply using aerial application equipment. This treatment may cause leaf burn, retarded growth and delayed maturity of the crop.
APPLICATION RATE:	VIKING Hamar Herbicide at 1 L/ha tank-mixed with 0.19 L/ha SELECT or CENTURION. AMIGO adjuvant must be added as per the SELECT or CENTURION label directions. Add VIKING Hamar Herbicide to the spray tank half-filled with water, agitate, add SELECT or CENTURION, continue agitation, add AMIGO and remaining amount of water, continue to agitate. A maximum of one application per year.
WEEDS CONTROLLED:	As listed for VIKING Hamar Herbicide alone on flax <i>plus</i> these additional weeds: Wild oats, Yellow & green foxtail, Barnyard grass, Volunteer barley, Volunteer oats, Volunteer wheat, Volunteer corn.

VIKING HAMAR HERBICIDE + POAST ULTRA ON FLAX (including low linolenic acid varieties)	
SPRAY VOLUME & PRESSURE:	Apply in 50 – 100 litres of water per hectare at a pressure of 275 kPa.
TIMING:	Flax may be treated from 5 to 10 cm high. Leaf burn and check to growth may follow spraying. When using this tank-mix it is important that application be made at the recommended stage of weed growth, particularly where green and pale smartweed are present. If broad-leaved weeds and grasses are not within the recommended treatment stage at the same time, then separate applications should be made. Do not apply during flowering. WARNING: Do not spray unthrifty crops or when flax is under stress due to drought or excess soil moisture. Do not spray in hot, humid weather conditions. DO NOT apply using aerial application equipment. This treatment may cause leaf burn, retarded growth and delayed maturity of the crop.
APPLICATION RATE:	VIKING Hamar Herbicide at 1 L/ha tank-mixed with 0.32 – 0.47 L/ha POAST ULTRA. **Merge surfactant must be added as per the POAST label directions. For maximum crop safety, it is recommended that the lowest registered Merge surfactant rate be used in this tank-mix. Add VIKING Hamar Herbicide to the spray tank half-filled with water, agitate, add POAST ULTRA, agitate, add Merge surfactant, and agitate. A maximum of one application per year
WEEDS CONTROLLED:	As listed for VIKING Hamar Herbicide alone plus these additional weeds. Wild oats, Barnyard grass, Volunteer barley, Fall panicum, Large crabgrass, Persian dandel, Proso millet, Yellow & green foxtail, Volunteer wheat, Volunteer corn, Witch grass

2023-04-17

2023-0699

Label correction made 2023-07-18

CANARY SEED (*Phalaris canariensis*)

VIKING HAMAR HERBICIDE USED ALONE	
SPRAY VOLUME & PRESSURE:	Apply in NOT LESS than 50 litres of water per hectare at a pressure of 275 kPa.
TIMING:	The crop may be treated from the 3 to 5-leaf stage.
APPLICATION RATE:	1 L/ha. A maximum of one application per year.
WEEDS CONTROLLED:	<p>Seedlings up to 4-leaf stage Green smartweed, Pale smartweed, Lady's-thumb, Cow cockle*, Redroot pigweed, Flixweed, Bluebur, Shepherd's-purse, Kochia**, Russian thistle**, Scentless chamomile***, Volunteer sunflower, Volunteer rapeseed (including Canola), Night flowering catchfly, Cocklebur</p> <p>Seedlings up to 6-leaf stage Wild tomato</p> <p>Seedlings up to 8-leaf stage Wild buckwheat, Tartary buckwheat, Common buckwheat, Stinkweed, Wild mustard, Wormseed mustard, Lamb's-quarters, Common ragweed, Common groundsel</p> <p>Perennials: Top-growth suppression Canada thistle, Velvetleaf****, Ball mustard, American nightshade, Perennial sow-thistle</p> <p>* <i>In normal conditions cow cockle will be controlled up to the 4-leaf stage. Plants beyond this stage are unlikely to be controlled.</i> ** <i>Spray before plants are 5 cm high.</i> *** <i>Spring annuals only.</i> **** <i>Spray before plants are 8 cm high.</i></p>
Note:	Rainfall within 1 hour of application may reduce effectiveness.

VIKING HAMAR HERBICIDE + ACCORD	
SPRAY VOLUME & PRESSURE:	Apply in 100 litres of water per hectare.
TIMING:	Apply at the 3 to 5-leaf stage of canary seed. Apply post-emergence by ground application. Avoid over application. Observe a PHI of 77 days.
APPLICATION RATE:	VIKING Hamar Herbicide at 1L/ha + ACCORD at 133 g/ha. A maximum of one application per year.
WEEDS CONTROLLED:	As listed for VIKING Hamar Herbicide and ACCORD when used alone in canary seed.

SEEDLING GRASSES (NOT UNDERSEEDED TO LEGUMES)

NOTE: Grasses grown for seed production in the year of establishment only.

CROPS: Brome grass, Crested wheat grass, Intermediate wheat grass, Slender wheat grass, Tall wheat grass, Russian wild rye, Timothy, Orchard grass, Creeping red fescue, Meadow fescue, Meadow foxtail, Seedling tall fescue, Seedling meadow brome grass, Seedling streambank wheatgrass, and Reed canary grass.

CAUTION: Do not graze or harvest for green feed until 56 days after treatment.

NOTE: Meadow foxtail grown for forage production. Do not feed or graze in the year of establishment.

2023-04-17

2023-0699

Label correction made 2023-07-18

VIKING HAMAR HERBICIDE USED ALONE	
SPRAY VOLUME & PRESSURE:	Apply in 150 litres of water per hectare at a pressure of 275 kPa
TIMING:	Seedling grasses may be treated from the 2 to 4-leaf stage.
APPLICATION RATE:	1 L/ha. A maximum of one application per year.
WEEDS CONTROLLED:	<p>Seedlings up to 4-leaf stage Green smartweed, Pale smartweed, Lady's-thumb, Cow cockle*, Redroot pigweed, Flixweed, Bluebur, Shepherd's-purse, Kochia**, Russian thistle**, Scentless chamomile***, Volunteer sunflower, Volunteer rapeseed (including Canola), Night flowering catchfly, Cocklebur Velvetleaf****, Ball mustard, American nightshade</p> <p>Seedlings up to 6-leaf stage Wild tomato</p> <p>Seedlings up to 8-leaf stage Wild buckwheat, Tartary buckwheat, Common buckwheat, Stinkweed, Wild mustard Wormseed mustard, Lamb's-quarters, Common ragweed, Common groundsel</p> <p>Perennials: Top-growth suppression Canada thistle, Perennial sow-thistle</p> <p>* <i>In normal conditions cow cockle will be controlled up to the 4-leaf stage. Plants beyond this stage are unlikely to be controlled.</i></p> <p>** <i>Spray before plants are 5 cm high.</i></p> <p>*** <i>Spring annuals only.</i></p> <p>**** <i>Spray before plants are 8 cm high.</i></p>
Note:	Rainfall within 1 hour of application may reduce effectiveness.

ESTABLISHED GRASSES (NOT UNDERSEEDED TO LEGUMES)

VIKING HAMAR HERBICIDE USED ALONE	
CROP	Established Timothy <i>Grown for Seed</i>
SPRAY VOLUME	Apply in 150 litres of water per hectare.
TIMING:	Apply prior to shot blade in the seed production year.
APPLICATION RATE:	1L/ha. A maximum of one application per year.
WEEDS CONTROLLED:	As listed for VIKING Hamar Herbicide used alone in seedling grasses.
Note:	Rainfall within 1 hour of application may reduce effectiveness.

ESTABLISHED GRASSES (NOT UNDERSEEDED TO LEGUMES)

VIKING HAMAR HERBICIDE USED ALONE	
CROP	Established Timothy <i>Grown for Hay</i>
SPRAY VOLUME	Apply in 150 litres of water per hectare.
TIMING:	Apply at the 3-6-leaf stage of Timothy. Apply post-emergence by ground application. Make only one application per year. Observe a PHI of 30 days.
APPLICATION RATE:	1L/ha. A maximum of one application per year.
WEEDS CONTROLLED:	As listed for VIKING Hamar Herbicide used alone in seedling grasses.

2023-04-17

2023-0699

Label correction made 2023-07-18

Note:	Rainfall within 1 hour of application may reduce effectiveness.
--------------	---

**PERENNIAL CEREAL RYE (not underseeded to legumes)
VIKING HAMAR HERBICIDE USED ALONE**

The DIRECTIONS FOR USE for the uses described in this section of the label were developed by persons other than Viking Crop Production Partners Inc. Under the User Requested Minor Use Label Expansion program. For these uses, Viking Crop Production Partners Inc. has not fully assessed performance (efficacy) and/or crop tolerance (phytotoxicity) under all environmental conditions or for all crop varieties when used in accordance with the label. The user should test the product on a small area first, under local conditions and using standard practices, to confirm the product is suitable for widespread application.

CROP	Perennial Cereal Rye (not underseeded to legumes)
TIMING:	Established perennial cereal rye: Perennial cereal rye may be treated from the 2-leaf until early flag leaf stage. Establishment year: Perennial cereal rye may be treated from the 2 to 4-leaf stage in the fall or from the time growth commences to the early flag leaf stage in the spring. Make only one application per year. Observe a PHI of 30 days.
SPRAY VOLUME & PRESSURE:	Apply in NOT LESS than 50 litres of water per hectare at a pressure of 275 kPa. DO NOT apply using aerial application equipment.
APPLICATION RATE:	1 L/ha. A maximum of one application per year.
WEEDS CONTROLLED:	<p>Seedlings up to 4-leaf stage Green smartweed, Pale smartweed, Lady's-thumb, Cow cockle*, Redroot pigweed, Flixweed, Bluebur, Shepherd's-purse, Kochia**, Russian thistle**, Scentless chamomile***, Volunteer sunflower, Volunteer rapeseed (including Canola), Night flowering catchfly, Cocklebur, Velvetleaf****, Ball mustard American nightshade.</p> <p>Seedlings up to 6-leaf stage Wild tomato</p> <p>Seedlings up to 8-leaf stage Wild buckwheat, Tartary buckwheat, Common buckwheat, Stinkweed, Wild mustard, Wormseed mustard, Lamb's-quarters, Common ragweed, Common groundsel</p> <p>Perennials: Top-growth suppression Canada thistle, Perennial sow-thistle</p> <p>* <i>In normal conditions cow cockle will be controlled up to the 4-leaf stage. Plants beyond this stage are unlikely to be controlled.</i></p> <p>** <i>Spray before plants are 5 cm high.</i></p> <p>*** <i>Spring annuals only.</i></p> <p>**** <i>Spray before plants are 8 cm high.</i></p>
Note:	Rainfall within 1 hour of application may reduce effectiveness.

Viking (TM) is a trademark of Viking Crop Production Partners Inc.
All other products mentioned are trademarks of their respective holders.