

2019-5657
2019-12-11

BUCTRIL M



EMULSIFIABLE SELECTIVE WEEDKILLER

GROUP	4 & 6	HERBICIDES
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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

AGRICULTURAL

ACTIVE INGREDIENT:

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

REGISTRATION NO. 18022 PEST CONTROL PRODUCTS ACT



WARNING POISON

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

Product Information: 1-888-283-6847

Bayer CropScience Inc.
Suite 100, 3131 114th Avenue SE
Calgary, Alberta T2Z 3X2

IN CASE OF SPILLS, POISONING OR FIRE, TELEPHONE EMERGENCY
RESPONSE NUMBER (TOLL-FREE) 1-800-334-7577 (24 HOURS A DAY).

NET CONTENTS: [1 L – Bulk]

BUCTRIL is a registered trademark of Bayer.

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN.

Avoid contact with skin, eyes and clothing. Store the container tightly closed away from seeds, fertilizer, plants and foodstuffs. Wash concentrate from skin or eyes immediately. Avoid working in spray mist. After use wash hands and other exposed skin.

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 when the potential for drift to areas of human habitation or areas of human activity such as houses, cottages, schools, and recreational areas is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment, and sprayer settings.

DO NOT enter or allow 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.

If this pest control product is to be used on a commodity that may be exported and you require information regarding Maximum Residue Limits for an importing country, please contact Bayer CropScience Inc. at 1-888-283-6847 or www.cropscience.bayer.ca.

PRE-HARVEST GRAZING INTERVALS:

Do not use treated crops for grazing of livestock or green feed until 30 days after application of BUCTRIL M Emulsifiable Selective Weedkiller. Do not cut treated crops for forage until 30 days after application of BUCTRIL M Emulsifiable Selective Weedkiller. 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.

2019-5657
2019-12-11

ENVIRONMENTAL PRECAUTIONS:

This product contains a petroleum distillate which is moderately to highly toxic to aquatic organisms. This product is also toxic to non-target terrestrial plants. Observe 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. Toxic to aquatic organisms. Observe buffer zones specified under DIRECTIONS FOR USE.

Surface Runoff: 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.

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

FIRST AID: Remove person from contaminated area, remove contaminated clothing. Keep patient warm, comfortable, at rest.

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. 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 give **any** liquid to the person. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

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

TOXICOLOGICAL INFORMATION:

Medical Personnel should contact Bayer's Medical Information Services, Toll-Free: 1800-334-7577. 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:

This BUCTRIL M Emulsifiable Selective Weedkiller 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:

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:

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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.

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2019-5657
2019-12-11



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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.

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2019-5657
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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.

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STORAGE CONDITIONS:

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DISPOSAL:

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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:

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.

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) 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 BUCTRIL M Emulsifiable Selective Weedkiller 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) coarse

2019-5657
2019-12-11

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

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

DO NOT apply to any body of water. Avoid drifting of spray onto any body of water or other nontarget areas. Specified buffer zones should be observed. 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.

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 1-888-283-6847 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: BUCTRIL M Emulsifiable Selective Weedkiller 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, hempnettle, pigweed or Canada thistle, a volume rate of 40 L/ha is recommended.

BUFFER ZONES:

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

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 scrublands, 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 (meters) Required for the Protection of:				
			Freshwater Habitat of Depths:		Estuarine/Marine Habitats of Depths:		Terrestrial Habitat
			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

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 Pest Management Regulatory Agency web site.

When a tank mixture is used, consult the labels of the other tank-mix ingredients and observe the largest (most restrictive) buffer zone of the products included in the tank mixture.

RESISTANCE-MANAGEMENT RECOMMENDATIONS:

For resistance management, please note that BUCTRIL M Emulsifiable Selective Weedkiller is both a Group 4 and a Group 6 herbicide. Any weed population may contain or develop plants naturally resistant to BUCTRIL M Emulsifiable Selective Weedkiller 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:

2019-5657

2019-12-11

- Where possible, rotate the use of BUCTRIL M Emulsifiable Selective Weedkiller 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 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 Bayer CropScience Inc. at 1-888-283-6847.

PAGE SELECTION GUIDE

	WHEAT	BARLEY	OATS	CORN (field, sweet)	FALL RYE	FLAX	CANARY SEED	SEEDLING GRASSES	ESTABLISHED GRASSES	PERENNIAL CEREAL RYE
BUCTRIL M Emulsifiable Selective Weedkiller	14,25	26	33	35	37	38	41	43	44	45
BUCTRIL M Emulsifiable Selective Weedkiller + MCPA	15	27	34							
BUCTRIL M Emulsifiable Selective Weedkiller + AVENGE 200C	15	28								
BUCTRIL M Emulsifiable Selective Weedkiller + ACHIEVE LIQUID	16	28								
BUCTRIL M Emulsifiable Selective Weedkiller + ALLY	17	29								
BUCTRIL M Emulsifiable Selective Weedkiller + HORIZON HERBICIDE TANK MIX	17									
BUCTRIL M Emulsifiable Selective Weedkiller + PUMA ADVANCE	18	30								
BUCTRIL M Emulsifiable Selective Weedkiller + REFINE SG + PUMA ADVANCE	19	31								
BUCTRIL M Emulsifiable Selective Weedkiller + ACCORD	20						42			
BUCTRIL M Emulsifiable Selective Weedkiller + ACCORD + AVENGE 200-C	21									
BUCTRIL M Emulsifiable Selective Weedkiller + REFINE SG	22	29								
BUCTRIL M Emulsifiable Selective Weedkiller + EVEREST 2.0	23									
BUCTRIL M Emulsifiable Selective Weedkiller + AXIAL 100EC or AXIAL BIA	24	32								
BUCTRIL M Emulsifiable Selective Weedkiller + VARRO	24									
BUCTRIL M Emulsifiable Selective Weedkiller + ATRAZINE				36						
BUCTRIL M Emulsifiable Selective Weedkiller + SELECT or CENTURION						39				

2019-5657
2019-12-11

BUCTRIL M Emulsifiable Selective Weedkiller + POAST ULTRA						40				
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For tank-mixes refer to all product labels for the correct application timing. (1) Certain varieties.

WEAT (spring, durum & winter)
(not underseeded to legumes)

BUCTRIL M EMULSIFIABLE SELECTIVE WEEDKILLER USED ALONE

SPRAY VOLUME & PRESSURE: For ground application, apply in NOT LESS than 50 litres of water per hectare at a pressure of 275 kPa. For aerial application, apply in a water volume of 20-40 L/ha. For best results when there is a heavy crop canopy, or when the majority of the weeds are cow cockle, smartweed, hempnettle, pigweed or Canada thistle, a volume rate of 40 L/ha is recommended.

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 1 application per year.

WEEDS CONTROLLED:

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
Jimsonweed

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

Seedlings at 2 to 12-leaf stage

Prickly lettuce*****

Perennials: Top-growth suppression

Canada thistle
Perennial sow-thistle

* In normal conditions cow cockle will be controlled up to the 4-leaf stage. Plants beyond this stage are unlikely to be controlled.

** Spray before plants are 5 cm high.

*** *Spring annuals only.*

**** *Spray before plants are 8 cm high.*

***** *Suppression only in winter wheat only*

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

+ MCPA

SPRAY VOLUME & PRESSURE: For ground application, apply in NOT LESS than 50 litres of water per hectare at a pressure of 275 kPa. For aerial application, apply in a water volume of 30-40 L/ha.

TIMING: Spring wheat may be treated from the 2-leaf until the early flag leaf stage.

APPLICATION RATE: BUCTRIL M Emulsifiable Selective Weedkiller at 1L/ha tank-mixed with 275 g active ingredient MCPA per hectare. A maximum of 1 application per year.

NOTE: MCPA-K is preferred for hempnettle although other formulations may be used. Refer to the MCPA label for precautions and limitations. Add MCPA to the spray tank first, agitate, and then add BUCTRIL M Emulsifiable Selective Weedkiller.

WEEDS CONTROLLED:

As listed for BUCTRIL M Emulsifiable Selective Weedkiller alone plus these additional weeds.

Seedlings up to 4-leaf stage

Hempnettle*

Seedlings up to 8-leaf stage

Volunteer rapeseed (including Canola)

**Hempnettle 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.*

+ AVENGE 200-C* **(spring wheat and durum wheat)**

*AVENGE 200-C is a registered trademark of Amvac Chemical Corporation. Follow all precautions, limitations and timing recommendations on the AVENGE 200-C label.

SPRAY VOLUME & PRESSURE: For ground application, apply in 100 litres of water per hectare at a pressure of 275 kPa. For aerial application, apply in a water volume of 20-40 L/ha.

TIMING: Spring wheat and durum wheat may be treated from the 2 to 6-leaf stage. Wild oats must be in the 3 to 5-leaf stage and broadleaf weeds in the seedling stage as indicated.

APPLICATION RATE: BUCTRIL M Emulsifiable Selective Weedkiller at 1 L/ha tank-mixed with AVENGE 200-C at 3.5 – 4.25 L/ha **OR** BUCTRIL M Emulsifiable Selective Weedkiller at 1 L/ha plus 275 g active ingredient MCPA ester per hectare tank-mixed with AVENGE 200-C at 3.5 – 4.25 L/ha. A maximum of 1 application per year.

2019-5657
2019-12-11

NOTE: BUCTRIL M Emulsifiable Selective Weedkiller should be added to the spray tank first, agitated, then add AVENGE 200-C. AVENGE 200-C can only be applied to certain varieties of spring wheat and durum wheat. Refer to the AVENGE 200-C label.

WEEDS CONTROLLED:

As listed for BUCTRIL M Emulsifiable Selective Weedkiller used alone or in combination with MCPA *plus* wild oats.

**+ ACHIEVE LIQUID
(spring wheat and durum wheat)**

* ACHIEVE and **TURBOCHARGE are registered trademarks of a Syngenta Group company.

Follow all mixing and spraying precautions, limitations and timing recommendations on the ACHIEVE LIQUID label.

SPRAY VOLUME & PRESSURE: For ground application, apply in 50-100 litres of water per hectare at a pressure of 275 kPa. For aerial application, apply in a water volume of 30-40 L/ha.

TIMING: Applications of BUCTRIL M Emulsifiable Selective Weedkiller + 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: BUCTRIL M Emulsifiable Selective Weedkiller 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 1 application per year.

WEEDS CONTROLLED:

As listed on the BUCTRIL M Emulsifiable Selective Weedkiller alone plus wild oats and green foxtail (wild millet).

NOTE: BUCTRIL M Emulsifiable Selective Weedkiller + 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.

+ ALLY*

*ALLY is a registered trademark of E.I. DuPont de Nemours and Company.

NOTE: Refer to the ALLY label for all precautions, including limitations on soil pH, crop rotations and sprayer cleanup.

SPRAY VOLUME & PRESSURE: For ground application, apply in NOT LESS than 100 litres of water per hectare at a pressure of 275 kPa. DO NOT apply using aerial application equipment.

TIMING: Spring wheat (not underseeded with other crops) may be treated from the 2-leaf to early flag leaf stage.

APPLICATION RATE: BUCTRIL M Emulsifiable Selective Weedkiller 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 BUCTRIL M Emulsifiable Selective Weedkiller, 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 BUCTRIL M Emulsifiable Selective Weedkiller. A maximum of 1 application per year.

WEEDS CONTROLLED:

As listed for BUCTRIL M Emulsifiable Selective Weedkiller alone at the recommended rate, plus hempnettle 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.

**+ HORIZON HERBICIDE TANK MIX
(spring wheat and durum wheat)**

For use in Manitoba, Saskatchewan, Alberta and Interior of British Columbia only.

*HORIZON and **SCORE are registered trademarks of a Syngenta Group company.

Follow all mixing and spraying precautions, limitations and timing recommendations in the HORIZON Herbicide Tank Mix booklet. HORIZON Herbicide Tank Mix consists of HORIZON 240 EC and SCORE Adjuvant.

SPRAY VOLUME & PRESSURE: For ground application, apply in 100 litres of water per hectare at a pressure of 275 kPa. DO NOT apply using aerial application equipment

TIMING: Applications of BUCTRIL M Emulsifiable Selective Weedkiller + HORIZON Herbicide Tank Mix should be made to spring wheat and durum 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), and when wild oats or volunteer canary seed are at the 1-6 leaf stage of growth and prior to emergence of 4th tiller, when volunteer (tame) oats are at the 3-6 leaf stage and prior to emergence of 4th tiller, and when green foxtail (wild millet), yellow foxtail, barnyard grass or persian dandelion is at the 1-5 leaf stage of growth.

2019-5657
2019-12-11

APPLICATION RATE: BUCTRIL M Emulsifiable Selective Weedkiller at 1L/ha tank-mixed with HORIZON 240 EC at 230 mL/ha plus SCORE** adjuvant at a concentration of 0.8% v/v (i.e. 800 mL/ha SCORE** with 100 L/ha of water) for wild oat, volunteer (tame) oat, green foxtail (wild millet), yellow foxtail, barnyard grass and volunteer canary seed control. For control of the preceding weeds plus persian danel, add 290mL/ha HORIZON 240 EC plus SCORE adjuvant at a concentration of 1.0% v/v (i.e. 1 L/ha of SCORE** with 100 L/ha of water). A maximum of 1 application per year.

WEEDS CONTROLLED:

As listed on BUCTRIL M Emulsifiable Selective Weedkiller alone plus wild oats, volunteer (tame) oat, green foxtail (wild millet), yellow foxtail, barnyard grass, volunteer canary seed and persian danel.

NOTE: BUCTRIL M Emulsifiable Selective Weedkiller + HORIZON Herbicide Tank Mix can be used in all varieties of spring wheat (including hard red spring, Canada prairie spring, soft white spring and utility) and durum wheat.

Only apply this tank mixture to wheat that is NOT UNDERSEEDED TO LEGUMES. Rainfall within 1 hour of application may reduce effectiveness of tank-mix.

BUCTRIL M EMULSIFIABLE SELECTIVE WEEDKILLER + PUMA ADVANCE*
(spring wheat and durum wheat)

For use in Eastern Canada, Manitoba, Saskatchewan, Alberta and the Interior of British Columbia only.

* PUMA ADVANCE is a registered trademark of Bayer.

NOTE: Follow all mixing and spraying precautions, limitations and timing recommendations on the PUMA ADVANCE label.

SPRAY VOLUME & PRESSURE: For ground application, apply in a minimum of 55 litres of water per hectare at a pressure of 275 kPa. For aerial application, apply in 35-40 litres of water per hectare.

TIMING: Application of BUCTRIL M Emulsifiable Selective Weedkiller + PUMA ADVANCE tank mixtures should be made to spring wheat and durum wheat from the 1-6 leaf stage of growth on the main stem plus 3 tillers. Application beyond the 6-leaf stage of spring and durum wheat may result in crop injury. Apply when annual grassy weeds are in the 1-6 leaf stage of growth.

APPLICATION RATE: BUCTRIL M Emulsifiable Selective Weedkiller at 1.0 L/ha tank mixed with PUMA ADVANCE at 1.02 L/ha. A maximum of 1 application per year.

WEEDS CONTROLLED:

As listed for BUCTRIL M Emulsifiable Selective Weedkiller alone plus wild oats, green foxtail (wild millet), yellow foxtail and barnyard grass.

APPLICATION RATE: BUCTRIL M Emulsifiable Selective Weedkiller at 1.0 L/ha tank mixed with PUMA ADVANCE at 0.51 L/ha. A maximum of 1 application per year.

WEEDS CONTROLLED:

As listed for BUCTRIL M Emulsifiable Selective Weedkiller alone and green foxtail (wild millet).

NOTE: BUCTRIL M Emulsifiable Selective Weedkiller + PUMA ADVANCE 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 wheat.

Do not apply if rain is expected within 1 hour after spraying.

**BUCTRIL M EMULSIFIABLE SELECTIVE WEEDKILLER + REFINE SG* + PUMA
ADVANCE**
(spring wheat and durum wheat):**

For use in Eastern Canada, Manitoba, Saskatchewan, Alberta and Interior of British Columbia only.

*REFINE SG is a registered trademark of E.I. DuPont de Nemours and Company.

** PUMA ADVANCE is a registered trademark of Bayer.

NOTE: Follow all mixing and spraying precautions, limitations and timing recommendations on the REFINE SG and PUMA ADVANCE labels.

SPRAY VOLUME & PRESSURE: For ground application, apply in a minimum of 55 litres of water per hectare at a pressure of 275 kPa. For aerial application, apply in a water volume of 3540 L/ha.

TIMING: Applications of BUCTRIL M Emulsifiable Selective Weedkiller + REFINE SG + PUMA ADVANCE should be made to spring wheat and durum wheat from the 2-6 leaf stage of growth on the main stem plus 3 tillers. Application beyond the 6 leaf stage of spring and durum wheat may result in crop injury. Apply when annual grassy weeds are in the 1-6 leaf stage of growth.

APPLICATION RATE: BUCTRIL M Emulsifiable Selective Weedkiller at 1.0 L/ha tank mixed with REFINE SG at 10g/ha + PUMA ADVANCE at 1.02 L/ha. A maximum of 1 application per year.

WEEDS CONTROLLED:

As listed for BUCTRIL M Emulsifiable Selective Weedkiller alone at the recommended rate, plus hempnettle up to the 6-leaf stage (3 pairs of leaves), chickweed up to the 6 leaf stage (3 pairs of leaves), wild oats, green foxtail (wild millet), yellow foxtail and barnyard grass. For best results, apply to the first main flush of young, actively growing weeds.

APPLICATION RATE: BUCTRIL M Emulsifiable Selective Weedkiller at 1.0 L/ha tank mixed with REFINE SG at 10g/ha + PUMA ADVANCE at 0.51 L/ha. A maximum of 1 application per year.

2019-5657

2019-12-11

WEEDS CONTROLLED:

As listed for BUCTRIL M Emulsifiable Selective Weedkiller alone at the recommended rate, plus hempnettle up to the 6-leaf stage (3 pairs of leaves), chickweed up to the 6 leaf stage (3 pairs of leaves), and green foxtail (wild millet). For best results, apply to the first main flush of young, actively growing weeds.

BUCTRIL M EMULSIFIABLE SELECTIVE WEEDKILLER + ACCORD*
(spring wheat and durum wheat) (not underseeded to forages)

For use in the Prairie Provinces and Interior of British Columbia only.

*ACCORD is a trademark of BASF Canada.

NOTE: Follow all mixing and spraying precautions, rotational cropping instructions, limitations and timing recommendations on the ACCORD label.

SPRAY VOLUME & PRESSURE: For ground application, apply in 100 litres of water per hectare at a pressure of 275 kPa. DO NOT apply using aerial application equipment.

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 BUCTRIL M Emulsifiable Selective Weedkiller alone.

APPLICATION RATE: BUCTRIL M Emulsifiable Selective Weedkiller at 1L/ha tankmixed 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 1 application per year.

WEEDS CONTROLLED:

As listed for BUCTRIL M Emulsifiable Selective Weedkiller alone plus green foxtail (including Group 1 and Group 3 resistant biotypes), volunteer flax, cleavers, and barnyard grass.

NOTES: BUCTRIL M Emulsifiable Selective Weedkiller + 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

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.

ACCORD* + AVENGE 200-C*
(spring wheat) (not underseeded to forages)

For use in the Prairie Provinces and Interior of British Columbia only

*ACCORD is a trademark of BASF Canada Inc.

*AVENGE 200-C is a registered trademark of Amvac Chemical Corporation.

NOTE: Follow all mixing and spraying precautions, rotational cropping instructions, limitations and timing recommendations on the ACCORD and AVENGE 200-C labels. AVENGE 200-C can cause some crop injury.

SPRAY VOLUME & PRESSURE: For ground application, apply in 100 litres of water per hectare at a pressure of 275 kPa. DO NOT apply using aerial application equipment.

TIMING: Spring wheat may be treated from the 2 to 5-leaf stage, wild oats 3 to 5-leaf, 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 BUCTRIL M Emulsifiable Selective Weedkiller alone.

APPLICATION RATE: BUCTRIL M Emulsifiable Selective Weedkiller at 1L/ha tankmixed with ACCORD at 135-165 g/ha plus MERGE adjuvant at a concentration of 1.0% v/v (i.e. 1L per 100 L of spray solution) and AVENGE 200-C at 3.5 L/ha. The level of green foxtail control may be improved by using the 165 g/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 1 application per year.

WEEDS CONTROLLED:

As listed for BUCTRIL M Emulsifiable Selective Weedkiller alone plus green foxtail (including Group 1 and Group 3 resistant biotypes), volunteer flax, cleavers, barnyard grass and wild oats (1-200 plants per square metre).

NOTES: BUCTRIL M Emulsifiable Selective Weedkiller + ACCORD + AVENGE 200-C tank-mixtures can only be applied to certain varieties of spring wheat. Refer to the AVENGE 200-C label.

Do not graze or cut for hay within 77 days of application

Do not apply ACCORD to any field more often than every second year. However, in the event of crop failure, spring wheat may be reseeded in fields treated with ACCORD.

BUCTRIL M EMULSIFIABLE SELECTIVE WEEDKILLER + REFINE SG*
(winter wheat, spring wheat and durum wheat)

2019-5657
2019-12-11

*REFINE SG is a registered trademark of E.I. DuPont de Nemours and Company.

NOTE: Follow all mixing and spraying precautions, limitations and timing recommendations on the REFINE SG label.

SPRAY VOLUME & PRESSURE: For ground application, apply in a minimum water volume of 55 litres per hectare at a pressure of 275 kPa. For aerial application, apply in a water volume of 25-40 L/ha.

TIMING: Spring wheat (not underseeded with other crops) may be treated from the 2-leaf to early flag leaf stage.

APPLICATION RATE: BUCTRIL M Emulsifiable Selective Weedkiller at 1 L/ha tank-mixed with REFINE SG at 10g/ha plus a surfactant as required on the REFINE SG label. Add REFINE SG to the required water volume in the tank first, agitate, then add BUCTRIL M Emulsifiable Selective Weedkiller, agitate, then add the surfactant. On repeat tank loads, prepare a REFINE SG water slurry and add it to the required water volume in the tank prior to adding the BUCTRIL M Emulsifiable Selective Weedkiller. A maximum of 1 application per year.

WEEDS CONTROLLED:

As listed for BUCTRIL M Emulsifiable Selective Weedkiller alone at the recommended rate, plus hempnettle 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.

**+ EVEREST* 2.0
(spring wheat)**

For use in Manitoba, Saskatchewan, Alberta and Interior of British Columbia only.

* EVEREST is a registered trademark of Arysta LifeScience North America Corporation.

NOTE: Follow all mixing and spraying precautions, limitations and timing recommendations on the EVEREST 2.0 labels.

SPRAY VOLUME & PRESSURE: For ground application, apply in a spray volume of 50-100 litres of water per hectare at a pressure of 275 kPa. DO NOT apply using aerial application equipment.

TIMING: Application of BUCTRIL M Emulsifiable Selective Weedkiller + EVEREST 2.0 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: BUCTRIL M Emulsifiable Selective Weedkiller at 1.0 L/ha tank mixed with EVEREST 2.0 at 72 mL/ha plus an adjuvant listed on the EVEREST 2.0 label at a concentration of 0.25% v/v (i.e. 250 mL/ha with 100 L/ha of water). A maximum of 1 application per year.

WEEDS CONTROLLED:

As listed for BUCTRIL M Emulsifiable Selective Weedkiller alone plus wild oats and green foxtail (wild millet).

APPLICATION RATE: BUCTRIL M Emulsifiable Selective Weedkiller at 1.0 L/ha tank mixed with EVEREST 2.0 at 36 mL/ha.

WEEDS CONTROLLED:

As listed for BUCTRIL M Emulsifiable Selective Weedkiller alone plus green foxtail (wild millet).

NOTE: BUCTRIL M Emulsifiable Selective Weedkiller + EVEREST 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.

**+ AXIAL* 100EC or AXIAL BIA
(spring wheat only)**

For use in the Prairie Provinces and Interior of British Columbia only.

* AXIAL and **ADIGOR are registered trademarks of a Syngenta Group company.

Follow all mixing and spraying precautions, limitations and timing recommendations on the AXIAL 100EC or AXIAL BIA label.

SPRAY VOLUME & PRESSURE: For ground application, apply in 50-100 litres of water per hectare at a pressure of 275 kPa. For aerial application, apply in a water volume of 30-40 L/ha.

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 4th tiller.

APPLICATION RATE: BUCTRIL M Emulsifiable Selective Weedkiller at 1L/ha tankmixed with AXIAL 100EC at 600 mL/ha plus ADIGOR adjuvant at 700 mL/ha or with AXIAL BIA at 1200 mL/ha. A maximum of 1 application per year.

WEEDS CONTROLLED: As listed for BUCTRIL M Emulsifiable Selective Weedkiller alone plus wild oats, green foxtail, yellow foxtail, volunteer oats, volunteer canary seed and proso millet.

2019-5657
2019-12-11

NOTE: BUCTRIL M Emulsifiable Selective Weedkiller + AXIAL 100EC or AXIAL BIA 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 UNDERSEEDED TO LEGUMES.

+ VARRO*
(spring wheat and durum wheat)

For use in Manitoba, Saskatchewan, Alberta and Interior of British Columbia only.

*VARRO is a registered trademark of Bayer

Follow all precautions, limitations and timing recommendations on the VARRO label.

SPRAY VOLUME AND PRESSURE: For ground application, apply in 50-93.5 litres of water per hectare at a pressure of 275 kPa. For aerial application, apply in a water volume of 28-40 L/ha.

TIMING: Spring and durum wheat may be treated from the 4 leaf stage up to the 6 leaf / 3 tiller stage. Applications must be made prior to jointing (prior to presence of the first node on the main stem). Best weed control is achieved when application is made to species at the growth stages listed on the BUCTRIL M Emulsifiable Selective Weedkiller and VARRO labels.

APPLICATION RATE: BUCTRIL M Emulsifiable Selective Weedkiller at 1 L/ha tankmixed with VARRO at 0.5 L/ha.

WEEDS CONTROLLED: As listed on the BUCTRIL M Emulsifiable Selective Weedkiller and VARRO labels.

WHEAT (winter)
(underseeded to red clover)
For use in Eastern Canada only

BUCTRIL M EMULSIFIABLE SELECTIVE WEEDKILLER USED ALONE

SPRAY VOLUME & PRESSURE: For ground application, apply in NOT LESS than 200 litres of water per hectare at a pressure of 275 kPa. For aerial application, apply in a water volume of 20-40 L/ha. For best results when there is a heavy crop canopy, or when the majority of the weeds are cow cockle, smartweed, hempnettle, pigweed or Canada thistle, a volume rate of 40 L/ha is recommended.

TIMING: Apply in the spring when the red clover is in the 1st to 3rd trifoliate 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 1 application per year.

NOTE: 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.

WEEDS CONTROLLED:

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
Jimsonweed

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

Seedlings at 2 to 12-leaf stage

Prickly lettuce*****

Perennials: Top-growth suppression

Canada thistle
Perennial sow-thistle

**In normal conditions cow cockle will be controlled up to the 4-leaf stage. Plants beyond this stage are unlikely to be controlled.*

***Spray before plants are 5 cm high.*

****Spring annuals only.*

*****Spray before plants are 8 cm high.*

****** Suppression only*

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

BARLEY

(not underseeded to legumes)

BUCTRIL M EMULSIFIABLE SELECTIVE WEEDKILLER USED ALONE

2019-5657
2019-12-11

SPRAY VOLUME & PRESSURE: For ground application, apply in NOT LESS than 50 litres of water per hectare at a pressure of 275 kPa. For aerial application, apply in a water volume of 20-40 L/ha. For best results when there is a heavy crop canopy, or when the majority of the weeds are cow cockle, smartweed, hempnettle, pigweed or Canada thistle, a volume rate of 40 L/ha is recommended.

TIMING: The crop may be treated from the 2-leaf until the early flag leaf stage.

APPLICATION RATE: 1 L/ha. A maximum of 1 application per year.

WEEDS CONTROLLED:

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
Jimsonweed

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

**In normal conditions cow cockle will be controlled up to the 4-leaf stage. Plants beyond this stage are unlikely to be controlled.*

***Spray before plants are 5 cm high.*

****Spring annuals only.*

*****Spray before plants are 8 cm high.*

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

BUCTRIL M EMULSIFIABLE SELECTIVE WEEDKILLER + MCPA

SPRAY VOLUME & PRESSURE: For ground application, apply in NOT LESS than 50 litres of water per hectare at a pressure of 275 kPa. For aerial application, apply in a water volume of 30-40 L/ha.

TIMING: The crop may be treated from the 2-leaf until the early flag leaf stage.

APPLICATION RATE: BUCTRIL M Emulsifiable Selective Weedkiller at 1 L/ha tank-mixed with 275g active ingredient MCPA per hectare. A maximum of 1 application per year.

NOTE: MCPA-K is preferred for hempnettle although other formulations may be used. Refer to the MCPA label for precautions and limitations. Add MCPA to the spray tank first, agitate, then add BUCTRIL M Emulsifiable Selective Weedkiller.

WEEDS CONTROLLED:

As listed for BUCTRIL M Emulsifiable Selective Weedkiller alone plus these additional weeds.

Seedlings up to 4-leaf stage

Hempnettle*

**Hempnettle 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.*

Seedlings up to 8-leaf stage

Volunteer rapeseed (including Canola)

+ AVENGE 200-C*

*AVENGE 200-C is a registered trademark of Amvac Chemical Corporation. Follow all precautions, limitations and timing recommendations on the AVENGE 200-C label.

SPRAY VOLUME & PRESSURE: For ground application, apply in 100 litres of water per hectare at a pressure of 275 kPa. For aerial application, apply in a water volume of 20-40 L/ha.

TIMING: The crop may be treated from the 2 to 6-leaf stage. Wild oats must be in the 3 to 5leaf stage and broadleaf weeds in the seedling stage as indicated.

APPLICATION RATE: BUCTRIL M Emulsifiable Selective Weedkiller at 1 L/ha tank-mixed with AVENGE 200-C at 3.5 – 4.25 L/ha **OR** BUCTRIL M Emulsifiable Selective Weedkiller at 1 L/ha plus 275 g active ingredient MCPA ester per hectare tank-mixed with AVENGE 200-C at 3.5 – 4.25 L/ha. A maximum of 1 application per year.

NOTE: BUCTRIL M Emulsifiable Selective Weedkiller should be added to the spray tank first, agitated, then add AVENGE 200-C.

WEEDS CONTROLLED:

As listed for BUCTRIL M Emulsifiable Selective Weedkiller used alone or in combination with MCPA *plus* wild oats.

**+ ACHIEVE LIQUID
(spring barley only)**

*ACHIEVE and ** TURBOCHARGE are registered trademarks of a Syngenta Group company.

Follow all mixing and spraying precautions, limitations and timing recommendations on the ACHIEVE LIQUID label.

2019-5657
2019-12-11

SPRAY VOLUME & PRESSURE: For ground application, apply in 50-100 litres of water per hectare at a pressure of 275 kPa. For aerial application, apply in a water volume of 30-40 L/ha.

TIMING: Applications of BUCTRIL M Emulsifiable Selective Weedkiller + 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: BUCTRIL M Emulsifiable Selective Weedkiller 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 1 application per year.

WEEDS CONTROLLED:

As listed for BUCTRIL M Emulsifiable Selective Weedkiller alone plus wild oats and green foxtail (wild millet).

NOTE: BUCTRIL M Emulsifiable Selective Weedkiller + 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 UNDERSEEDED TO LEGUMES.

+ ALLY*

*ALLY is a registered trademark of E.I. DuPont de Nemours and Company.

NOTE: Refer to the ALLY label for all precautions, including limitations on soil pH, crop rotations and sprayer cleanup.

SPRAY VOLUME & PRESSURE: For ground application, apply in NOT LESS than 100 litres of water per hectare at a pressure of 275 kPa. DO NOT apply using aerial application equipment.

TIMING: Barley (not underseeded with other crops) may be treated from the 2-leaf to early flag leaf stage.

APPLICATION RATE: BUCTRIL M Emulsifiable Selective Weedkiller 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 BUCTRIL M Emulsifiable Selective Weedkiller, 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 BUCTRIL M Emulsifiable Selective Weedkiller. A maximum of 1 application per year.

WEEDS CONTROLLED:

As listed for BUCTRIL M Emulsifiable Selective Weedkiller alone at the recommended rate, plus hempnettle 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.

+ REFINE SG*
(spring barley)

*REFINE SG is a registered trademark of E.I. DuPont de Nemours and Company.

NOTE: Follow all mixing and spraying precautions, limitations and timing recommendations on the REFINE SG label.

SPRAY VOLUME & PRESSURE: For ground application, apply in a minimum water volume of 55 litres per hectare at a pressure of 275 kPa. For aerial application, apply in a water volume of 25-40 L/ha.

TIMING: Spring barley (not underseeded with other crops) may be treated from the 2-leaf to early flag leaf stage.

APPLICATION RATE: BUCTRIL M Emulsifiable Selective Weedkiller at 1 L/ha tank-mixed with REFINE SG at 10 g/ha plus a surfactant as required on the REFINE SG label. Add REFINE SG to the required water volume in the tank first, agitate, then add BUCTRIL M Emulsifiable Selective Weedkiller, agitate, then add the surfactant. On repeat tank loads, prepare a REFINE SG/water slurry and add it to the required water volume in the tank prior to adding the BUCTRIL M Emulsifiable Selective Weedkiller. A maximum of 1 application per year.

WEEDS CONTROLLED:

As listed for BUCTRIL M Emulsifiable Selective Weedkiller alone at the recommended rate, plus hempnettle 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.

+ PUMA ADVANCE*
(spring barley)

For use in Eastern Canada, Manitoba, Saskatchewan, Alberta and Interior of British Columbia only

*PUMA ADVANCE is a registered trademark of Bayer.

Follow all mixing and spraying precautions, limitations and timing recommendations on the PUMA ADVANCE label.

SPRAY VOLUME & PRESSURE: For ground application, apply in a minimum of 55 litres of water per hectare at a pressure of 275 kPa. For aerial application, apply in 35-40 litres of water per hectare.

2019-5657
2019-12-11

TIMING: Application of BUCTRIL M Emulsifiable Selective Weedkiller + PUMA ADVANCE should be made to spring barley from the 2-6 leaf stage of growth on the main stem plus 3 tillers. Application beyond the 6-leaf stage of spring barley may result in crop injury. Apply when annual grassy weeds are in the 1-6 leaf stage of growth.

APPLICATION RATE: BUCTRIL M Emulsifiable Selective Weedkiller at 1.0 L/ha tank mixed with PUMA ADVANCE at 1.02 L/ha. A maximum of 1 application per year.

WEEDS CONTROLLED:

As listed for BUCTRIL M Emulsifiable Selective Weedkiller alone plus wild oats, green foxtail (wild millet), yellow foxtail and barnyard grass.

APPLICATION RATE: BUCTRIL M Emulsifiable Selective Weedkiller at 1.0 L/ha tank mixed with PUMA ADVANCE at 0.51 L/ha. A maximum of 1 application per year.

WEEDS CONTROLLED:

As listed for BUCTRIL M Emulsifiable Selective Weedkiller alone and green foxtail (wild millet).

NOTE: BUCTRIL M Emulsifiable Selective Weedkiller + PUMA¹²⁰ SUPER can be used in all varieties of spring barley
Do not apply if rain is expected within 1 hour after spraying.

**BUCTRIL M EMULSIFIABLE SELECTIVE WEEDKILLER + REFINE SG* + PUMA
ADVANCE**
(spring barley)**

For use in Eastern Canada, Manitoba, Saskatchewan, Alberta plus Interior of British Columbia only

*REFINE SG is a registered trademark of E.I. DuPont de Nemours and Company.

**PUMA ADVANCE is a registered trademark of Bayer.

NOTE: Follow all mixing and spraying precautions, limitations and timing recommendations on the REFINE SG and PUMA ADVANCE labels.

SPRAY VOLUME & PRESSURE: For ground application, apply in a minimum of 55 litres of water per hectare at a pressure of 275 kPa. For aerial application, apply in a water volume of 3540 L/ha.

TIMING: Applications of BUCTRIL M Emulsifiable Selective Weedkiller + REFINE SG + PUMA ADVANCE should be made to spring barley from the 2-6 leaf stage of growth on the main stem plus 3 tillers. Application beyond the 6-leaf stage of spring barley may result in crop injury. Apply when annual grassy weeds are in the 1-6 leaf stage of growth.

APPLICATION RATE: BUCTRIL M Emulsifiable Selective Weedkiller at 1.0 L/ha tank mixed with REFINE SG at 10 g/ha + PUMA ADVANCE at 1.02 L/ha. A maximum of 1 application per year.

WEEDS CONTROLLED:

As listed for BUCTRIL M Emulsifiable Selective Weedkiller alone at the recommended rate, plus hempnettle up to the 6-leaf stage (3 pairs of leaves), chickweed up to the 6 leaf stage (3 pairs of leaves), wild oats, green foxtail (wild millet), yellow foxtail and barnyard grass. For best results, apply to the first main flush of young, actively growing weeds.

APPLICATION RATE: BUCTRIL M Emulsifiable Selective Weedkiller at 1.0 L/ha tank mixed with REFINE SG at 10g/ha + PUMA ADVANCE at 0.51 L/ha. A maximum of 1 application per year.

WEEDS CONTROLLED:

As listed for BUCTRIL M Emulsifiable Selective Weedkiller alone at the recommended rate, plus hempnettle up to the 6-leaf stage (3 pairs of leaves), chickweed up to the 6 leaf stage (3 pairs of leaves), and green foxtail (wild millet). For best results, apply to the first main flush of young, actively growing weeds.

**BUCTRIL M EMULSIFIABLE SELECTIVE WEEDKILLER + AXIAL* 100EC or AXIAL BIA
(spring barley)**

For use in the Prairie Provinces and Interior of British Columbia only.

* AXIAL 100EC and **ADIGOR are registered trademarks of a Syngenta Group company.

Follow all mixing and spraying precautions, limitations and timing recommendations on the AXIAL OR AXIAL BIA label.

SPRAY VOLUME & PRESSURE: For ground application, apply in 50-100 litres of water per hectare at a pressure of 275 kPa. For aerial application, apply in a water volume of 30-40 L/ha.

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 4th tiller.

APPLICATION RATE: BUCTRIL M Emulsifiable Selective Weedkiller at 1L/ha tankmixed with AXIAL 100EC at 600 mL/ha plus ADIGOR adjuvant at 700 mL/ha or with AXIAL BIA at 1200 mL/ha. A maximum of 1 application per year.

WEEDS CONTROLLED:

As listed for BUCTRIL M Emulsifiable Selective Weedkiller alone plus wild oats, green foxtail, yellow foxtail, volunteer oats, volunteer canary seed and proso millet.

2019-5657
2019-12-11

NOTE: BUCTRIL M Emulsifiable Selective Weedkiller + AXIAL 100EC or AXIAL BIA 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 tank mixture to spring barley that is NOT UNDERSEEDED TO LEGUMES.

OATS

(not underseeded to legumes)

BUCTRIL M EMULSIFIABLE SELECTIVE WEEDKILLER USED ALONE

SPRAY VOLUME & PRESSURE: For ground application, apply in NOT LESS than 50 litres of water per hectare at a pressure of 275 kPa. For aerial application, apply in a water volume of 20-40 L/ha. For best results when there is a heavy crop canopy, or when the majority of the weeds are cow cockle, smartweed, hempnettle, pigweed or Canada thistle, a volume rate of 40 L/ha is recommended.

TIMING: The crop may be treated from the 2-leaf until the early flag leaf stage.

APPLICATION RATE: 1 L/ha. A maximum of 1 application per year.

WEEDS CONTROLLED:

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
Jimsonweed

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

*In normal conditions cow cockle will be controlled up to the 4-leaf stage. Plants beyond this stage are unlikely to be controlled.

**Spray before plants are 5 cm high.

****Spring annuals only.*

*****Spray before plants are 8 cm high.*

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

BUCTRIL M EMULSIFIABLE SELECTIVE WEEDKILLER + MCPA

SPRAY VOLUME & PRESSURE: For ground application, apply in NOT LESS than 50 litres of water per hectare at a pressure of 275 kPa. For aerial application, apply in a water volume of 30-40 L/ha.

TIMING: The crop may be treated from the 2-leaf until the early flag leaf stage.

APPLICATION RATE: BUCTRIL M Emulsifiable Selective Weedkiller at 1 L/ha tank-mixed with 275 g active ingredient MCPA per hectare. A maximum of 1 application per year.

NOTE: MCPA-K is preferred for hempnettle although other formulations may be used. Refer to the MCPA label for precautions and limitations. Add MCPA to the spray tank first, agitate, and then add BUCTRIL M Emulsifiable Selective Weedkiller.

WEEDS CONTROLLED:

As listed for BUCTRIL M Emulsifiable Selective Weedkiller alone plus these additional weeds.

Seedlings up to 4-leaf stage

Hempnettle*

Seedlings up to 8-leaf stage

Volunteer rapeseed (including Canola)

**Hempnettle 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.*

CORN (field & sweet)

BUCTRIL M EMULSIFIABLE SELECTIVE WEEDKILLER USED ALONE

SPRAY VOLUME & PRESSURE: For ground application, apply in 200 – 300 litres of water per hectare at a pressure of 275 kPa. DO NOT apply using aerial application equipment.

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. A maximum of 1 application per year.

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.

2019-5657
2019-12-11

WEEDS CONTROLLED:

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
Jimsonweed

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

**In normal conditions cow cockle will be controlled up to the 4-leaf stage. Plants beyond this stage are unlikely to be controlled.*

***Spray before plants are 5 cm high.*

****Spring annuals only.*

*****Spray before plants are 8 cm high.*

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

BUCTRIL M EMULSIFIABLE SELECTIVE WEEDKILLER + ATRAZINE

SPRAY VOLUME & PRESSURE: For ground application, apply in 200 – 300 litres of water per hectare at a pressure of 275 kPa. DO NOT apply using aerial application equipment.

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: BUCTRIL M Emulsifiable Selective Weedkiller 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 BUCTRIL M Emulsifiable Selective Weedkiller. A maximum of 1 application per year.

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 CONTAINING OIL. Refer to the atrazine label for instructions, precautions and limitations, especially on crop restrictions for the following year.

WEEDS CONTROLLED:

As listed for BUCTRIL M Emulsifiable Selective Weedkiller used alone *plus* weeds as indicated on the atrazine label.

FALL RYE

(not underseeded to legumes)

BUCTRIL M EMULSIFIABLE SELECTIVE WEEDKILLER USED ALONE

SPRAY VOLUME & PRESSURE: For ground application, apply in NOT LESS than 50 litres of water per hectare at a pressure of 275 kPa. DO NOT apply using aerial application equipment.

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 1 application per year.

WEEDS CONTROLLED:

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
Jimsonweed

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

**In normal conditions cow cockle will be controlled up to the 4-leaf stage. Plants beyond this stage are unlikely to be controlled.*

***Spray before plants are 5 cm high.*

****Spring annuals only.*

*****Spray before plants are 8 cm high*

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

2019-5657
2019-12-11

FLAX (including low linolenic acid varieties)

BUCTRIL M EMULSIFIABLE SELECTIVE WEEDKILLER USED ALONE

SPRAY VOLUME & PRESSURE: For ground application, apply in NOT LESS than 50 litres of water per hectare at a pressure of 275 kPa. DO NOT apply using aerial application equipment.

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 BUCTRIL M Emulsifiable Selective Weedkiller 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 BUCTRIL M Emulsifiable Selective Weedkiller.

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.

APPLICATION RATE: 1 L/ha. A maximum of 1 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*

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

Jimsonweed

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

**In normal conditions cow cockle will be controlled up to the 4-leaf stage. Plants beyond this stage are unlikely to be controlled.*

***Spray before plants are 5 cm high.*

****Spring annuals only.*

*****Spray before plants are 8 cm high.*

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

**BUCTRIL M EMULSIFIABLE SELECTIVE WEEDKILLER
+ SELECT* EMULSIFIABLE CONCENTRATE POST-EMERGENCE
HERBICIDE or CENTURION* ON FLAX
(including low linolenic acid varieties)**

*SELECT, CENTURION and AMIGO are registered trademarks of Arysta Lifescience North America Corporation.

Follow all precautions, limitations and timing recommendations on the SELECT or CENTURION label.

SPRAY VOLUME & PRESSURE: For ground application, apply in 55 – 110 litres of water per hectare at a pressure of 275 kPa. DO NOT apply using aerial application equipment.

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. This treatment may cause leaf burn, retarded growth and delayed maturity of the crop.

APPLICATION RATE: BUCTRIL M Emulsifiable Selective Weedkiller 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. [One case (2 jugs) of BUCTRIL M Emulsifiable Selective Weedkiller + one jug of SELECT or CENTURION treats 16 ha.] Add BUCTRIL M Emulsifiable Selective Weedkiller 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 1 application per year.

WEEDS CONTROLLED:

As listed for BUCTRIL M Emulsifiable Selective Weedkiller alone on flax *plus* these additional weeds:

Wild oats	Yellow & green foxtail
Barnyard grass	Volunteer wheat
Volunteer barley	Volunteer corn
Volunteer oats	

**BUCTRIL M EMULSIFIABLE SELECTIVE WEEDKILLER + POAST* ULTRA ON FLAX
(including low linolenic acid varieties)**

*POAST ULTRA is a registered trademark of BASF AG under license by BASF Canada Inc. ** MERGE is a registered trademark of BASF Canada Inc.

2019-5657
2019-12-11

Follow all precautions, limitations and timing recommendations on the POAST ULTRA label.

SPRAY VOLUME & PRESSURE: For ground application, apply in 50 – 100 litres of water per hectare at a pressure of 275 kPa. DO NOT apply using aerial application equipment.

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. This treatment may cause leaf burn, retarded growth and delayed maturity of the crop.

APPLICATION RATE: BUCTRIL M Emulsifiable Selective Weedkiller 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 BUCTRIL M Emulsifiable Selective Weedkiller to the spray tank half-filled with water, agitate, add POAST ULTRA, agitate, add Merge surfactant, and agitate. A maximum of 1 application per year.

WEEDS CONTROLLED:

As listed for BUCTRIL M Emulsifiable Selective Weedkiller alone *plus* these additional weeds.

Wild oats	Proso millet
Barnyard grass	Yellow & green foxtail
Volunteer barley	Volunteer wheat
Fall panicum	Volunteer corn
Large crabgrass	Witch grass
Persian darnel	

CANARY SEED (*Phalaris canariensis*)

BUCTRIL M EMULSIFIABLE SELECTIVE WEEDKILLER USED ALONE

SPRAY VOLUME & PRESSURE: For ground application, apply in NOT LESS than 50 litres of water per hectare at a pressure of 275 kPa. DO NOT apply using aerial application equipment.

TIMING: The crop may be treated from the 3 to 5-leaf stage.

APPLICATION RATE: 1 L/ha. A maximum of 1 application per year.

WEEDS CONTROLLED:

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
 Jimsonweed

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

**In normal conditions cow cockle will be controlled up to the 4-leaf stage. Plants beyond this stage are unlikely to be controlled.*

***Spray before plants are 5 cm high.*

****Spring annuals only.*

*****Spray before plants are 8 cm high.*

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

BUCTRIL M EMULSIFIABLE SELECTIVE WEEDKILLER + ACCORD

SPRAY VOLUME: For ground application, apply in 100 litres of water per hectare. DO NOT apply using aerial application equipment.

TIMING: Apply at the 3 to 5-leaf stage of canary seed. Apply post-emergence by ground application. Avoid over application. Make only one application per year. Observe a PHI of 77 days.

RATE: Buctril M at 1L/ha + ACCORD at 133 g/ha.

WEEDS CONTROLLED:

As listed for BUCTRIL M Emulsifiable Selective Weedkiller and ACCORD when used alone in canary seed.

2019-5657
2019-12-11

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 bromegrass, 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.

BUCTRIL M EMULSIFIABLE SELECTIVE WEEDKILLER USED ALONE

SPRAY VOLUME & PRESSURE: For ground application, apply in 150 litres of water per hectare at a pressure of 275 kPa. DO NOT apply using aerial application equipment.

TIMING: Seedling grasses may be treated from the 2 to 4-leaf stage. Make only one application per season.

APPLICATION RATE: 1 L/ha

WEEDS CONTROLLED:

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

Jimsonweed

**In normal conditions cow cockle will be controlled up to the 4-leaf stage. Plants beyond this stage are unlikely to be controlled.*

***Spray before plants are 5 cm high.*

****Spring annuals only.*

*****Spray before plants are 8 cm high.*

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

**ESTABLISHED GRASSES
(not underseeded to legumes)**

BUCTRIL M EMULSIFIABLE SELECTIVE WEEDKILLER USED ALONE

CROP: Established Timothy *Grown for Seed*

SPRAY VOLUME: For ground application, apply in 150 litres of water per hectare. DO NOT apply using aerial application equipment.

TIMING: Apply prior to shot blade in the seed production year. Make only one application per season.

RATE: 1L/ha

WEEDS CONTROLLED:

As listed for BUCTRIL M Emulsifiable Selective Weedkiller used alone in seedling grasses.

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

**ESTABLISHED GRASSES
(not underseeded to legumes)**

BUCTRIL M EMULSIFIABLE SELECTIVE WEEDKILLER USED ALONE

CROP: Established Timothy *Grown for Hay*

SPRAY VOLUME: For ground application, apply in 150 litres of water per hectare. DO NOT apply using aerial application equipment.

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.

RATE: 1L/ha

WEEDS CONTROLLED:

2019-5657
2019-12-11

As listed for BUCTRIL M Emulsifiable Selective Weedkiller used alone in seedling grasses.

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

PERENNIAL CEREAL RYE
(not underseeded to legumes)

BUCTRIL M EMULSIFIABLE SELECTIVE WEEDKILLER USED ALONE

NOTE TO USER: READ THE FOLLOWING BEFORE USING THIS PRODUCT FOR THE INDICATED SPECIAL USE APPLICATIONS (BELOW): The DIRECTIONS FOR USE for the uses described in this section of the label were developed by persons other than Bayer Cropsience Inc. under the User Requested Minor Use Label Expansion program. For these uses, Bayer Cropsience 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: For ground application, 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

Jimsonweed

WEEDS CONTROLLED:

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

* In normal conditions cow cockle will be controlled up to the 4-leaf stage. Plants beyond this stage are unlikely to be controlled.

** Spray before plants are 5 cm high.

*** Spring annuals only.

**** Spray before plants are 8 cm high.

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

**SWITCHGRASS, Established
(not underseeded to legumes)**

BUCTRIL M EMULSIFIABLE SELECTIVE WEEDKILLER USED ALONE

NOTE TO USER: READ THE FOLLOWING BEFORE USING THIS PRODUCT FOR THE INDICATED SPECIAL USE APPLICATIONS (BELOW): The DIRECTIONS FOR USE for the uses described in this section of the label were developed by persons other than Bayer Cropscience Inc. under the User Requested Minor Use Label Expansion program. For these uses, Bayer Cropscience 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: Established Switchgrass (not underseeded to legumes)

2019-5657
2019-12-11

TIMING: Switchgrass may be treated from the 2- to 4-leaf stage. Do not apply during the year of sowing/seeding. Avoid spray overlap. Make only one application per year. Observe a PHI of 30 days.

SPRAY VOLUME & PRESSURE: Apply in NO 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

WEEDS CONTROLLED:

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

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*** *Spring annuals only.*

**** *Spray before plants are 8 cm high.*

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