


BUCTRIL[®] M

EMULSIFIABLE SELECTIVE WEEDKILLER

Crops:	Wheat, Barley, Oats, Flax, Corn, Fall Rye, Variation of Grasses
Guarantee:	Bromoxynil (present as esters) 280 g/L MCPA (present as ester) 280 g/L
PCPA Registration No.:	18022
Agricultural:	Warning  Poison

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.

For aerial application, mixers/loaders must wear coveralls over normal working clothes.

Wear chemical resistant nitrile gloves, e.g. Edmont Sol-Vex #37-155/#37-145 or Pioneer A-15. Gloves which are in good condition must be worn when mixing/loading, spraying, and during cleanup and repair.

Pre-harvest Grazing Intervals: Do not use treated crops for grazing of livestock or green feed until 30 days after application of BUCTRIL M. Do not cut treated crops for forage until 30 days after application of BUCTRIL M.

FIRST AID

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

Eye Contact: Flush with water for 15 minutes. Get medical attention or contact a poison control centre.

Skin Contact: Remove contaminated clothing, then wash the exposed skin with soap and water.

Inhalation: Remove individual to fresh air. Loosen constricting clothing. Obtain immediate medical assistance or contact a poison control centre. If breathing has ceased, start artificial respiration.

Ingestion: In case of accidental swallowing **DO NOT** induce vomiting. Wash out mouth if product was ingested. Obtain immediate medical assistance or contact a poison control centre.

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

TOXICOLOGY

This product contains an aromatic hydrocarbon solvent.

STORAGE CONDITIONS

This BUCTRIL M 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

DISPOSAL FOR NON-RETURNABLE CONTAINERS:

1. Triple or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Follow provincial instructions for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. For information on the 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.

DISPOSAL (FOR RETURNABLE CONTAINERS):

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

DISPOSAL (FOR RETURNABLE-REFILLABLE CONTAINERS):

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

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. 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.

Mixing: Half fill the tank with clean water. Add the required amount of BUCTRIL M and agitate thoroughly. Fill the tank and agitate again before use.

Aerial application (wheat, barley and oats only):

Apply only by fixed-wing or rotary aircraft equipment which has been functionally and operationally calibrated for the atmospheric conditions of the area and the application rates and conditions of this label. Label rates, conditions and precautions are product specific. Read and understand the entire label before opening this product. Apply only at the rate recommended for aerial application on this label. Where no rate for aerial application appears for the specific use, this product cannot be applied by any type of aerial equipment.

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

Use Precautions:

Apply only when meteorological conditions at the treatment site allow for complete and even crop coverage. Apply only under conditions of good practice specific to aerial application as outlined in the *Basic Knowledge Requirements for Pesticide Education in Canada: Applicator Core and Aerial Module*, developed by CAPCO.

Do not apply to any body of water. Avoid drifting of spray onto any body of water or other non-target areas. Specified buffer zones should be observed.

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 toward a nearby sensitive crop, garden, terrestrial habitat (such as shelter-belt) 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 pilot has communication capabilities at each treatment site at the time of application.

The field crew and the mixer/loaders must wear chemical resistant gloves, coveralls and goggles or face shield during mixing/loading, cleanup and repair. Follow the more stringent label precautions in cases where the operator precautions exceed the generic label recommendations on the existing ground boom label.

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

Product Specific Precautions:

Read and understand the entire label before opening this product. If you have questions, call the manufacturer at 1-888-283-6847 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 must be applied in volume rates of not *less than* 20L/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.

PAGE SELECTION GUIDE

	WHEAT	BARLEY	OATS	CORN	FALL RYE	FLAX	CANARY GRASS	SEEDLING GRASSES	ESTABLISHED GRASSES
BUCTRIL M	3, 7	7	10	11	12	12	14	14	15
BUCTRIL M + MCPA	3	8	10						
BUCTRIL M + AVENGE® 200-C	3 (1)	8							
BUCTRIL M + ACHIEVE® 40 DG or ACHIEVE 80 DG	4 (spring)	8 (spring)							
BUCTRIL M + ALLY®	4	9							
BUCTRIL M + HORIZON® 240 EC	4 (1)								
BUCTRIL M + PUMA® or PUMA SUPER	5 (1)								
BUCTRIL M + ACCORD®	5								
BUCTRIL M + ACCORD + AVENGE 200-C	6								
BUCTRIL M + REFINE® EXTRA	6	9							
BUCTRIL M + ATRAZINE				11					
BUCTRIL M + SELECT®						13			
BUCTRIL M + POAST®						13 (1)			

For tank-mixes refer to all product labels for the correct application timing. (1) Certain varieties.

WHEAT (spring, durum, winter) (not underseeded to legumes)

	Spray Volume & Pressure	Timing	Application Rate
BUCTRIL M USED ALONE:	Apply in NOT LESS than 50 litres of water per hectare at a pressure of 275 kPa.	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.	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 *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.	Perennials: Top growth checked Canada thistle Perennial sow-thistle

	Spray Volume & Pressure	Timing	Application Rate
BUCTRIL M + MCPA	Apply in NOT LESS than 50 litres of water per hectare at a pressure of 275 kPa.	Spring wheat may be treated from the 2-leaf until the early flag leaf stage.	BUCTRIL M at 1 L/ha tank-mixed with 275 g active ingredient MCPA per hectare.
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			
WEEDS CONTROLLED			
As listed for BUCTRIL M 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)	

	Spray Volume & Pressure	Timing	Application Rate
BUCTRIL M + AVENGE 200-C* (spring wheat and durum wheat):	Apply in 100 litres of water per hectare at a pressure of 275 kPa.	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.	BUCTRIL M at 1 L/ha tank-mixed with AVENGE 200-C at 3.5 – 4.25 L/ha OR BUCTRIL M 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.
Note: BUCTRIL M 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 used alone or in combination with MCPA plus wild oats.			

	Spray Volume & Pressure	Timing	Application Rate
<p>BUCTRIL M + ACHIEVE* 40 DG or ACHIEVE 80 DG (spring wheat and durum wheat):</p> <p>Follow all mixing and spraying precautions, limitations and timing recommendations on the ACHIEVE 40 DG or ACHIEVE 80 DG label. DO NOT APPLY BY AIR.</p>	Apply in 100 litres of water per hectare at a pressure of 275 kPa.	Applications of BUCTRIL M + ACHIEVE 40 DG or ACHIEVE 80 DG 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) and when wild oats are at the 1 to 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 to 5-leaf stage of growth (Zadoks or BBCN growth stage of 11,20 to 14,21). Refer to the illustration on the ACHIEVE 40 DG or ACHIEVE 80 DG label.	BUCTRIL M at 1 L/ha tank-mixed with ACHIEVE 40 DG at 0.5 kg/ha or ACHIEVE 80 DG at 0.25 kg/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).
WEEDS CONTROLLED			
As listed for BUCTRIL M alone plus wild oats and green foxtail (wild millet).			
<p>Note: BUCTRIL M + ACHIEVE 40 DG or ACHIEVE 80 DG 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.</p> <p>Only apply this mixture to spring wheat that is NOT UNDERSEEDED TO LEGUMES.</p>			

	Spray Volume & Pressure	Timing	Application Rate
<p>BUCTRIL M + ALLY*:</p> <p>Note: Refer to the ALLY label for all precautions, including limitations on soil pH, crop rotations and sprayer cleanup.</p>	Apply in NOT LESS than 100 litres of water per hectare at a pressure of 275 kPa.	Spring wheat (not underseeded with other crops) may be treated from the 2-leaf stage to early flag leaf stage.	BUCTRIL M 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, 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.
WEEDS CONTROLLED			
As listed for BUCTRIL M 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.			
DO NOT APPLY THIS TANK-MIX BY AIR.			

	Spray Volume & Pressure	Timing	Application Rate
<p>BUCTRIL M + HORIZON* HERBICIDE TANK-MIX (spring wheat and durum wheat):</p> <p>For use in Manitoba, Saskatchewan, Alberta plus the Peace River Region of British Columbia.</p> <p>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. DO NOT APPLY BY AIR.</p>	Apply in 100 litres of water per hectare at a pressure of 275 kPa.	Applications of BUCTRIL M + 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 are at the 1 to 6-leaf stage of growth (total leaves including tillers) and when green foxtail (wild millet) or yellow foxtail is at the 1 to 5-leaf stage of growth.	BUCTRIL M at 1 L/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/h of water) for wild oat control. For wild oat and green or yellow foxtail control add 290 L/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).
WEEDS CONTROLLED			
As listed for BUCTRIL M alone plus wild oats and green foxtail (wild millet) and yellow foxtail.			
<p>Note: BUCTRIL M + 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.</p> <p>Only apply this tank-mixture to wheat that is NOT UNDERSEEDED TO LEGUMES. Do not apply within 15 metres of a body of water or wetland area. Rainfall within 1 hour of application may reduce effectiveness of tank-mix.</p>			

	Spray Volume & Pressure	Timing	Application Rate	Application Rate
<p>BUCTRIL M + PUMA* OR PUMA SUPER (spring wheat and durum wheat): For use in Manitoba, Saskatchewan, Alberta plus the Peace River Region of British Columbia.</p> <p>Follow all mixing and spraying precautions, limitations and timing recommendations on the PUMA and PUMA SUPER labels. DO NOT APPLY BY AIR.</p>	<p>Apply in 100 litres of water per hectare at a pressure of 275 kPa.</p>	<p>Applications of BUCTRIL M + PUMA tank-mixtures should be made to spring wheat and durum wheat from the 2 to 6-leaf stage of growth on the main stem plus 3 tillers. Application of BUCTRIL M + PUMA SUPER tank-mixtures should be made to spring wheat and durum wheat from the 1 to 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 to 6-leaf stage of growth.</p>	<p>BUCTRIL M at 1.0 L/ha tank-mixed with PUMA at 1.0 L/ha.</p>	<p>BUCTRIL M at 1.0 L/ha tank-mixed with PUMA SUPER at 0.5 L/ha.</p>
			<p>BUCTRIL M at 1.0L/ha tank-mixed with PUMA SUPER at 1.0 L/ha.</p>	
			<p>WEEDS CONTROLLED</p> <p>As listed for BUCTRIL M alone plus wild oats, green foxtail (wild millet) and barnyard grass.</p>	<p>WEEDS CONTROLLED</p> <p>As listed for BUCTRIL M alone plus green foxtail (wild millet).</p>
<p>Note: BUCTRIL M + PUMA tank-mixtures can be used in all varieties of spring wheat (including hard red spring, Canada prairie soft, soft white spring and utility) and durum wheat.</p> <p>Do not apply within 15 metres of a body of water or wetland area. Do not apply if rain is expected within 1 hour after spraying.</p>				

	Spray Volume & Pressure	Timing	Application Rate
<p>BUCTRIL M + ACCORD* (spring wheat and durum wheat) (not underseeded to forages) For use in the Prairie Provinces and Peace River Region of British Columbia</p> <p>Follow all mixing and spraying precautions, rotational cropping instructions, limitations and timing recommendations on the ACCORD label. DO NOT APPLY BY AIR.</p>	<p>Apply in 100 litres of water per hectare at a pressure of 275 kPa.</p>	<p>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 alone.</p>	<p>BUCTRIL M at 1 L/ha tank-mixed with ACCORD at 135 – 165 g/ha plus MERGE adjuvant at a concentration of 1.0 v/v (i.e. 1 L per 100 L of spray solution). 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.</p>
			<p>WEEDS CONTROLLED</p> <p>As listed for BUCTRIL M alone plus green foxtail (including Group 1 and Group 3 resistant biotypes), volunteer flax, cleavers, and barnyard grass.</p>
			<p>Notes: BUCTRIL M + ACCORD tank-mixtures can be used in hard red spring, Canadian prairie spring, durum, and Canada Western extra strong wheat.</p> <p>Do not graze or cut for hay within 77 days of application.</p> <p>Overspray or drift into important wildlife habitats such as shelterbelts, wetlands, woodlots, vegetated ditch, pond and 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 to areas that drain into these habitats.</p> <p>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.</p>

	Spray Volume & Pressure	Timing	Application Rate
<p>BUCTRIL M + ACCORD* + AVENGE 200-C* (spring wheat) (not underseeded to forage) For use in the Prairie Provinces and Peace River Region of British Columbia</p> <p>Follow all mixing and spraying precautions, rotational cropping instructions, limitations and timing recommendations on the ACCORD and AVENGE 200-C labels. DO NOT APPLY BY AIR. AVENGE 200-C can cause some crop injury.</p>	Apply in 100 litres of water per hectare at a pressure of 275 kPa.	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 c and broadleaf weeds in the seedling stage as listed for BUCTRIL M alone.	BUCTRIL M at 1 L/ha tank-mixed with ACCORD at 135 – 165 g/ha plus MERGE adjuvant at a concentration of 1.0 v/v (i.e. 1 L 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.
	WEEDS CONTROLLED		
	As listed for BUCTRIL M 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).		
	<p>Notes: BUCTRIL M + ACCORD + AVENGE 200-C tank-mixtures can only be applied to certain varieties of spring wheat. Refer to the AVENGE 200-C label.</p> <p>Do not graze or cut for hay within 77 days of application.</p> <p>Overspray or drift into important wildlife habitats such as shelterbelts, wetlands, woodlots, vegetated ditch, pond and 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.</p> <p>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.</p>		

	Spray Volume & Pressure	Timing	Application Rate
<p>BUCTRIL M + REFINE EXTRA* (winter wheat, spring wheat and durum wheat):</p> <p>Note: Follow all mixing and spraying precautions, limitations and timing recommendations on the REFINE EXTRA label. DO NOT apply this tank-mix by air.</p>	Apply in NOT LESS than 100 litres of water per hectare at a pressure of 275 kPa.	Spring wheat (not underseeded with other crops) may be treated from the 2-leaf to early flag leaf stage.	BUCTRIL M 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 BUCTRIL M, agitate then add 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 BUCTRIL M.
	WEEDS CONTROLLED		
	As listed for BUCTRIL M 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.		

WHEAT (winter) (underseeded to red clover): For use in Ontario, Quebec and the Maritime provinces only

	Spray Volume & Pressure	Timing	Application Rate
BUCTRIL M USED ALONE:	Apply in NOT LESS than 200 litres of water per hectare at a pressure of 275 kPa.	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.	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 *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.	Perennials: Top growth checked Canada thistle Perennial sow-thistle
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.			

BARLEY (not underseeded with legumes)

	Spray Volume & Pressure	Timing	Application Rate
BUCTRIL M USED ALONE:	Apply in NOT LESS than 50 litres of water per hectare at a pressure of 275 kPa.	The crop may be treated from the 2-leaf until the early flag leaf stage.	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 *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.	Perennials: Top growth checked Canada thistle Perennial sow-thistle

	Spray Volume & Pressure	Timing	Application Rate
BUCTRIL M + MCPA	Apply in NOT LESS than 50 litres of water per hectare at a pressure of 275 kPa.	The crop may be treated from the 2-leaf until the early flag leaf stage.	BUCTRIL M at 1 L/ha tank-mixed with 275 g active ingredient MCPA per hectare.
<p>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.</p>			
WEEDS CONTROLLED			
As listed for BUCTRIL M 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.			

	Spray Volume & Pressure	Timing	Application Rate
BUCTRIL M + AVENGE 200-C*	Apply in 100 litres of water per hectare at a pressure of 275 kPa.	The crop 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.	BUCTRIL M at 1 L/ha tank-mixed with AVENGE 200-C at 3.5 – 4.25 L/ha OR BUCTRIL M 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.
<p>*AVENGE 200-C is a registered trademark of Cyanamid. Follow all precautions, limitations and timing recommendations on the AVENGE 200-C label.</p>			
Note: BUCTRIL M should be added to the spray tank first, agitated, then add AVENGE 200-C.			
WEEDS CONTROLLED			
As listed for BUCTRIL M used alone or in combination with MCPA plus wild oats.			

	Spray Volume & Pressure	Timing	Application Rate
BUCTRIL M + ACHIEVE* 40 DG or ACHIEVE 80 DG (spring barley only):	Apply in 100 litres of water per hectare at a pressure of 275 kPa.	Applications of BUCTRIL M + ACHIEVE 40 DG or ACHIEVE 80 DG 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 to 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 to 5-leaf stage of growth (Zadoks or BBCN growth stage of 11,20 to 14,21). Refer to the illustration on the ACHIEVE 40 DG or ACHIEVE 80 DG label.	BUCTRIL M at 1 L/ha tank-mixed with ACHIEVE 40 DG at 0.5 kg/ha or ACHIEVE 80 DG at 0.25 kg/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).
<p>Follow all mixing and spraying precautions, limitations and timing recommendations on the ACHIEVE 40 DG or ACHIEVE 80 DG label. DO NOT APPLY BY AIR.</p>			
WEEDS CONTROLLED			
As listed for BUCTRIL M alone plus wild oats and green foxtail (wild millet).			
Note: BUCTRIL M + ACHIEVE 40 DG or ACHIEVE 80 DG 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 UNDERSEEDDED TO LEGUMES.			

	Spray Volume & Pressure	Timing	Application Rate
BUCTRIL M + ALLY* Note: Refer to the ALLY label for all precautions, including limitations on soil pH, crop rotations and sprayer cleanup.	Apply in NOT LESS than 100 litres of water per hectare at a pressure of 275 kPa.	Barley (not underseeded with other crops) may be treated from the 2-leaf stage to early flag leaf stage.	BUCTRIL M 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, 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.
WEEDS CONTROLLED			
As listed for BUCTRIL M 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 needs.			
DO NOT APPLY THIS TANK-MIX BY AIRCRAFT.			

	Spray Volume & Pressure	Timing	Application Rate
BUCTRIL M + REFINE EXTRA* (spring barley): Note: Follow all mixing and spraying precautions, limitations and timing recommendations on the REFINE EXTRA label. DO NOT apply this tank-mix by air.	Apply in NOT LESS than 100 litres of water per hectare at a pressure of 275 kPa.	Barley (not underseeded with other crops) may be treated from the 2-leaf to early flag leaf stage.	BUCTRIL M 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 BUCTRIL M, 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 BUCTRIL M.
WEEDS CONTROLLED			
As listed for BUCTRIL M 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.			

OATS (not underseeded to legumes)

	Spray Volume & Pressure	Timing	Application Rate
BUCTRIL M USED ALONE:	Apply in NOT LESS than 50 litres of water per hectare at a pressure of 275 kPa.	The crop may be treated from the 2-leaf until the early flag leaf stage.	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 *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.	Perennials: Top growth checked Canada thistle Perennial sow-thistle

	Spray Volume & Pressure	Timing	Application Rate
BUCTRIL M + MCPA	Apply in NOT LESS than 50 litres of water per hectare at a pressure of 275 kPa.	The crop may be treated from the 2-leaf until the early flag leaf stage.	BUCTRIL M at 1 L/ha tank-mixed with 275 g active ingredient MCPA per hectare.
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.			
WEEDS CONTROLLED			
As listed for BUCTRIL M 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)	

CORN (Field and Sweet)

	Spray Volume & Pressure	Timing	Application Rate			
BUCTRIL M USED ALONE:	Apply in 200 – 300 litres of water per hectare at a pressure of 275 kPa.	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.	1 L/ha.			
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.						
WEEDS CONTROLLED						
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DO NOT SPRAY CORN BY AIRCRAFT.						

	Spray Volume & Pressure	Timing	Application Rate
BUCTRIL M + ATRAZINE:	Apply in 200 – 300 litres of water per hectare at a pressure of 275 kPa.	Corn should be treated FROM THE 4 to 6-LEAF STAGE. Damage to corn will result if sprayed beyond the 6-leaf stage.	BUCTRIL M at 1 L/ha tank-mixed with atrazine to the spray tank first, mix well, then add BUCTRIL M.
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 used alone plus weeds as indicated on the atrazine label.			
DO NOT SPRAY CORN BY AIRCRAFT.			

FALL RYE (not underseeded to legumes)

	Spray Volume & Pressure	Timing	Application Rate
BUCTRIL M USED ALONE:	Apply in NOT LESS than 50 litres of water per hectare at a pressure of 275 kPa.	Fall Rye may be treated from the time growth commences to the early flag leaf stage in the spring.	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 *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.	Perennials: Top growth checked Canada thistle Perennial sow-thistle

FLAX (including low linolenic acid varieties)

	Spray Volume & Pressure	Timing	Application Rate
BUCTRIL M USED ALONE:	Apply in NOT LESS than 50 litres of water per hectare at a pressure of 275 kPa.	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 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. Spraying in the evening may reduce risk of flax injury.	1 L/ha.
	WARNING		
	Do not spray unthrifty crops or when plants are under stress. Do not spray in periods of hot, humid weather.		
	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 *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.	Perennials: Top growth checked Canada thistle Perennial sow-thistle
	DO NOT SPRAY FLAX BY AIRCRAFT.		

	Spray Volume & Pressure	Timing	Application Rate								
<p>BUCTRIL M + SELECT* ON FLAX (including low linolenic acid varieties):</p> <p>Follow all precautions, limitations and timing recommendations on the SELECT label.</p>	Apply in 55 – 110 litres of water per hectare at a pressure of 275 kPa.	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.	BUCTRIL M at 1 L/ha tank-mixed with 0.19 L/ha SELECT. AMIGO adjuvant must be added as per the SELECT label directions. [One case (2 jugs) of BUCTRIL M + one jug of SELECT treats 16 ha]. Add BUCTRIL M to the spray tank half filled with water, agitate, add SELECT, continue agitation, add AMIGO and remaining amount of water, continue to agitate.								
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 SPRAY FLAX BY AIRCRAFT. This treatment may cause leaf burn, retarded growth and delayed maturity of crop.											
WEEDS CONTROLLED											
As listed for BUCTRIL M alone on flax plus these additional weeds:											
<table> <tr> <td>Wild oats</td> <td>Yellow and green foxtail</td> </tr> <tr> <td>Barnyard grass</td> <td>Volunteer wheat</td> </tr> <tr> <td>Volunteer barley</td> <td>Volunteer corn</td> </tr> <tr> <td>Volunteer oats</td> <td></td> </tr> </table>				Wild oats	Yellow and green foxtail	Barnyard grass	Volunteer wheat	Volunteer barley	Volunteer corn	Volunteer oats	
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Volunteer barley	Volunteer corn										
Volunteer oats											

	Spray Volume & Pressure	Timing	Application Rate								
<p>BUCTRIL M + POAST* ON FLAX (DO NOT USE on low linolenic acid varieties):</p> <p>Follow all precautions, limitations and timing recommendations on the POAST label.</p>	Apply in 50 – 100 litres of water per hectare at a pressure of 275 kPa.	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 smartweed is present. If broadleaf weeds and grasses are not within the recommended stage at the same time, then separate applications should be made. Do not apply during flowering.	BUCTRIL M at 1 L/ha tank-mixed with 0.8 to 2.7 L/ha POAST. **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 to the spray tank half filled with water, agitate, add POAST, add MERGE surfactant, agitate.								
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 SPRAY FLAX BY AIRCRAFT. This treatment may cause leaf burn, retarded growth and delayed maturity of the crop.											
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CANARY GRASS (for seed production)

	Spray Volume & Pressure	Timing	Application Rate
BUCTRIL M USED ALONE:	Apply in NOT LESS than 50 litres of water per hectare at a pressure of 275 kPa.	The crop may be treated from the 3 to 5-leaf stage.	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 *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.	Perennials: Top growth checked Canada thistle Perennial sow-thistle

SEEDLING GRASS (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.

	Spray Volume & Pressure	Timing	Application Rate
BUCTRIL M USED ALONE:	Apply in 150 litres of water per hectare at a pressure of 275 kPa.	Seedling grasses may be treated from the 2 to 4-leaf stage. Make only one application per season.	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 *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.	Perennials: Top growth checked Canada thistle Perennial sow-thistle

ESTABLISHED GRASS (not underseeded to legumes)

	Crop	Spray Volume & Pressure	Timing	Application Rate
BUCTRIL M USED ALONE:	Established Timothy grown for seed.	Apply in 150 litres of water per hectare.	Apply prior to shot blade in the seed production year. Make only one application per season.	1 L/ha.
	WEEDS CONTROLLED			
	As listed for BUCTRIL M used alone in seedling grasses.			

Seller's guarantee shall be limited to the terms set out on the label and subject thereto, the buyer assumes the risk to persons or property arising from the use or handling of this product and accepts the product on that condition.

This control product is to be used only in accordance with the directions on the label. It is an offense under the PEST CONTROL PRODUCTS ACT to use a control product under unsafe conditions.

SPECIMEN LABEL

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TELEPHONE EMERGENCY RESPONSE
1-800-334-7577 (24 HOURS A DAY)**

**For more information contact:
Aventis CropScience
295 Henderson Dr.
Regina, SK S4N 6C2
1-888-283-6847**

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