

2020-3113

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Principal Display Panel

GROUP 2 HERBICIDE

ADAMA

INVOLVE® 50 WDG

Herbicide

50% Water Dispersible Granules

FOR SALE FOR USE ON WHEAT (SPRING AND DURUM), SPRING BARLEY, SUMMER FALLOW IN THE PRAIRIE PROVINCES AND INTERIOR OF BRITISH COLUMBIA (INCLUDING THE PEACE RIVER REGION), AND AS A PRESEEDING HERBICIDE ON FIELDS TO BE PLANTED TO WHEAT (SPRING, DURUM AND WINTER), SPRING BARLEY, OATS, CANARY SEED (FOR THE BIRDSEED MARKET) AND PULSE CROPS (INCLUDING DRY BEAN, FABABEAN, FIELD PEA, LUPIN AND SOYBEAN), AND FOR CONTROL OF BROADLEAVED WEEDS IN RANGELAND AND PASTURE IN THE PRAIRIE PROVINCES AND INTERIOR OF BRITISH COLUMBIA (INCLUDING THE PEACE RIVER REGION) AND EASTERN CANADA

COMMERCIAL

READ THE LABEL AND ATTACHED BOOKLET BEFORE USING

NET CONTENTS: 100 g – 25 Kg

REGISTRATION NO. 33852 PEST CONTROL PRODUCTS ACT

ACTIVE INGREDIENT: Tribenuron-methyl 50%

WARNING – EYE IRRITANT

POTENTIAL SKIN SENSITIZER

ADAMA Agricultural Solutions Canada Ltd.
300-191 Lombard Avenue
Winnipeg, MB R3B 0X1
1-855-264-6262

For emergency medical help call PROPHARMA at 1-877-250-9291 (24 hours a day)
For spill, leak or fire call INFOTRAC at 1-800-535-5053 (24 hours a day)

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PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN. WARNING - EYE IRRITANT. POTENTIAL SKIN SENSITIZER. DO NOT apply using aerial application equipment.

May be harmful if swallowed, inhaled or absorbed through skin. Avoid breathing spray mist. Use with adequate ventilation. Avoid contact with skin, eyes and clothing.

Do not contaminate any body of water.

Workers must wear a long-sleeved shirt, long pants, chemical-resistant gloves, and shoes plus socks during mixing, loading, application, cleanup and repair. Workers must also wear goggles or face shield during mixing and loading. Chemical-resistant gloves are not required while operating groundboom.

May irritate skin and eyes. When using, do not eat, drink or smoke. Wash thoroughly with soap and water after handling. Remove contaminated clothing immediately after use.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

FIRST AID:

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15–20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15–20 minutes. Call a poison control centre or doctor for treatment advice.

IF SWALLOWED: Call a poison control centre or doctor immediately for treatment advice.

Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

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

TOXICOLOGICAL INFORMATION: Treat symptomatically. For emergency medical help call PROPHARMA at 1-877-250-9291 (24 hours a day).

STORAGE AND DISPOSAL:

STORAGE: Store product in original container in a secure, dry area, away from fertilizer, seed, food or feed. Not for use or storage in or around the home. Keep container tightly closed.

DISPOSAL:

For recyclable containers:

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

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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.

For 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.

For returnable containers:

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

For all package types:

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

NOTICE TO USER:

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

®

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All other trademarks are the property of their respective owners.

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GROUP 2 HERBICIDE

ADAMA

INVOLVE® 50 WDG

Herbicide

50% Water Dispersible Granules

FOR SALE FOR USE ON WHEAT (SPRING AND DURUM), SPRING BARLEY, SUMMER FALLOW IN THE PRAIRIE PROVINCES AND INTERIOR OF BRITISH COLUMBIA (INCLUDING THE PEACE RIVER REGION), AND AS A PRESEEDING HERBICIDE ON FIELDS TO BE PLANTED TO WHEAT (SPRING, DURUM AND WINTER), SPRING BARLEY, OATS, CANARY SEED (FOR THE BIRDSEED MARKET) AND PULSE CROPS (INCLUDING DRY BEAN, FABABEAN, FIELD PEA, LUPIN AND SOYBEAN), AND FOR CONTROL OF BROADLEAVED WEEDS IN RANGELAND AND PASTURE IN THE PRAIRIE PROVINCES AND INTERIOR OF BRITISH COLUMBIA (INCLUDING THE PEACE RIVER REGION) AND EASTERN CANADA

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May be harmful if swallowed, inhaled or absorbed through skin. Avoid breathing spray mist. use with adequate ventilation. Avoid contact with skin, eyes and clothing.

Do not contaminate any body of water.

Workers must wear a long-sleeved shirt, long pants, chemical-resistant gloves, and shoes plus socks during mixing, loading, application, cleanup and repair. Workers must also wear goggles or face shield during mixing and loading. Chemical-resistant gloves are not required while operating groundboom.

May irritate skin and eyes. When using, do not eat, drink or smoke. Wash thoroughly with soap and water after handling. Remove contaminated clothing immediately after use.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

FIRST AID:

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

TOXICOLOGICAL INFORMATION: Treat symptomatically. For emergency medical help call PROPHARMA at 1-877-250-9291 (24 hours a day).

ENVIRONMENTAL PRECAUTIONS

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

To reduce runoff from treated areas into aquatic habitats avoid application to areas with a moderate to steep slope, compacted soil, or clay.

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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.

IMPORTANT INFORMATION - READ BEFORE USING

Injury to or loss of desirable trees, shrubs, flowers, vegetables, fruits or other vegetation may result from failure to observe the following: Do not apply, drain or flush equipment on or near desirable trees or other plants, or on areas where their roots may extend, or in locations where the chemical may be washed or moved into contact with their roots. Do not use on lawns, walks, driveways, tennis courts, or similar areas.

Prevent drift of spray to desirable plants. Do not contaminate any body of water, including irrigation water that may be used on crops.

DO NOT apply using aerial application equipment.

Do not apply in high winds.

Carefully observe sprayer clean-up instructions, as spray tank residue may damage crops other than spring wheat, durum wheat, or barley. Thoroughly clean all traces of tank mix from application equipment immediately after use. Flush tank, pump, hoses, and boom with several changes of water after removing nozzle tips and screens (clean these parts separately). Wash away any spray mixture from the outside of spray tank, nozzle or spray rig.

For crops other than cereals, allow a minimum interval between application and planting of 2 months. After 2 months, canola, flax, lentils, and alfalfa can be seeded. Any crop can be seeded in the year following application.

DO NOT APPLY INVOLVE[®] 50 WDG WITH A CARRIER OTHER THAN WATER OR ANY ADDITIVE OTHER THAN THOSE INDICATED ON THIS LABEL. Other carriers may accelerate breakdown of this product and reduce its effectiveness.

GENERAL INFORMATION

INVOLVE[®] 50 WDG provides control of certain broadleaved weeds in spring wheat (including durum), spring barley, and in summerfallow and on fields to be planted to wheat (spring, durum, winter), spring barley, oats, canary seed (for the birdseed market), and pulse crops (including dry bean, fababean, field pea, lupin and soybean), and in pasture and rangeland.

Warm, moist, growing conditions promote active weed growth and enhance the activity of INVOLVE[®] 50 WDG by allowing maximum foliar uptake and contact activity. Weeds hardened off by environmental stress such as cold weather, drought stress or excessive heat may not be adequately controlled or suppressed, and regrowth may occur. INVOLVE[®] 50 WDG may only be applied using ground spray equipment. For best results, ensure thorough spray coverage of target weeds.

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INVOLVE® 50 WDG rapidly stops growth of susceptible weeds. However, typical symptoms (discoloration) of dying weeds may not be noticeable for 1 to 3 weeks after application, depending on growing conditions and weed susceptibility. Degree of control and duration of effect depend on weed sensitivity, weed size, spray coverage and growing conditions. Activity of the herbicide mixture may be delayed by cold, dry conditions after application.

DIRECTIONS FOR USE:

As this product is not registered for the control of pests in aquatic systems, **DO NOT** use to control aquatic pests.

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

Field sprayer application: **DO NOT** apply during periods of dead calm. Avoid application of this product when winds are gusty. **DO NOT** apply with spray droplets smaller than the American Society of Agricultural and Biological Engineers (ASABE) medium classification. Boom height must be 60 cm or less above the crop or ground.

DO NOT apply using aerial application equipment.

Buffer zones:

Use of the following spray methods or equipment **DO NOT** require a buffer zone: hand-held 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 shrublands) and sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands) and estuarine/marine habitats.

Method of application	Crop	Buffer Zones (metres) Required for the Protection of:		
		Aquatic Habitat of Depths:		Terrestrial habitat
		Less than 1 m	Greater than 1 m	
Field sprayer	Summer fallow	0	0	3
	Wheat (spring, durum and winter), spring barley, pasture and rangeland. Fallow and Fields to be planted with wheat (spring, winter and durum), spring barley, oats, canary seed (for the birdseed market) and pulse crops (including dry bean, fababean, field pea, lupin and soybean).	1	0	4

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The buffer zones for this product can be modified based on weather conditions and spray equipment configuration by accessing the Buffer Zone Calculator on the Pesticides portion of the Canada.ca website.

For tank mixes, consult the labels of the tank-mix partners and observe the largest (most restrictive) buffer zone of the products involved in the tank mixture and apply using the coarsest spray (ASAE) category indicated on the labels for those tank mix partners.

When applied as a tank-mix combination, consult each product label and follow all label use instructions. Read the label directions for each product and follow the most restrictive label precautions, restrictions and limitations.

**FOR WEED CONTROL IN SPRING WHEAT (INCLUDING DURUM) AND BARLEY
(For use in the Prairie Provinces and interior of British Columbia (including the Peace River Region) ONLY)**

INVOLVE® 50 WDG + 2,4-D ESTER

Apply INVOLVE® 50 WDG at 15 grams per hectare with 2,4-D Ester at 420 grams acid equivalent per hectare (0.6 L/ha 2,4-D Ester 700), from the 3-leaf stage to just before the flag leaf (shot blade) stage of wheat (including durum) and barley, prior to head emergence. Do not apply after head has emerged. Do not exceed 275 kPa spray pressure.

For best results, apply to young, emerged actively growing weeds that are less than 10 cm tall or across, and before the crop canopy closes. Weeds that emerge after treatment will not be controlled.

For wild buckwheat, apply to ACTIVELY GROWING wild buckwheat in the 1 to 3-leaf stage. Under dry conditions, suppression may be reduced. Plants larger than the 3-leaf stage may regrow after treatment.

WEEDS CONTROLLED:

Annual sunflower	Redroot pigweed
Ball mustard	Russian pigweed
Canada thistle (top growth control)	Russian thistle
Cow cockle	Shepherd's-purse (fall rosettes and spring seedlings)
Flixweed (fall rosettes and spring seedlings)	Stinkweed (fall rosettes and spring seedlings)
Hare's-ear mustard	Sweet clover
Indian mustard	Thyme-leaved spurge
Kochia (2-10 leaf)	Tumble mustard
Lamb's-quarters	Wild mustard
Narrow-leaved hawk's-beard (fall rosettes and spring seedlings)	Wild radish
Prickly lettuce	Wormseed mustard
Plus the weeds on the 2,4-D Ester label controlled at the 420 g a.e. /ha rate	

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WEEDS SUPPRESSED†:

Wild buckwheat

† Weed suppression is a visual reduction in weed competition (reduced population or vigour) as compared to an untreated area. Degree of suppression will vary with size of weed and environmental conditions prior to and following treatment.

NOTE: If rain occurs soon after application, control may be reduced. At least 4-6 hours of dry weather is needed to allow INVOLVE® 50 WDG tank mix to be absorbed by weed foliage. Environmental conditions that slow the drying of the spray mixture on the foliage such as high relative humidity, cool air temperatures or cloud cover, may increase the time required.

INVOLVE® 50 WDG + 2,4-D ESTER + ASSERT® 300

For control of WILD OATS and control or suppression of broadleaf weeds in wheat (spring and durum) and barley, apply the tank mix as follows:

TANK MIX PARTNER	RATE
INVOLVE® 50 WDG	15 g/ha
Assert® 300	1.3 to 1.6 L/ha
2,4-D Ester LV-700	0.6 L/ha (or 420 g/ha acid equivalent)

Use the low rate of Assert® 300 when the majority of wild oats are in the 1 to 3-leaf stage and the higher rate if wild oats are in the 4-leaf stage. Apply when the crop is in the full 3-leaf stage.

INVOLVE® 50 WDG + 2,4-D ESTER + PUMA®120 SUPER

For control of GREEN FOXTAIL (WILD MILLET) and control or suppression of broadleaf weeds in wheat (spring and durum) and barley, apply the tank mix as follows:

TANK MIX PARTNER	RATE
INVOLVE® 50 WDG	15 g/ha
Puma®120 Super	385 mL/ha
2,4-D Ester LV-700	0.6 L/ha (or 420 g/ha acid equivalent)

Apply this tank mix from the full 3-leaf stage to the 6-leaf + 3 tiller stage of wheat (spring and durum) and the full 3-leaf stage to the 5-leaf + 2 tiller stage of barley.

For green foxtail control, apply at the 1-6 leaf (up to emergence of the 3rd tiller) stage.

FOR WEED CONTROL IN SPRING WHEAT (EXCLUDING DURUM) AND SPRING BARLEY

(For use in the Prairie Provinces and interior of British Columbia (including the Peace River Region) ONLY)

INVOLVE® 50 WDG + 2,4-D ESTER + BANVEL® II or BANVEL® DRY EG HERBICIDE

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For control of WILD BUCKWHEAT and sulfonylurea resistant KOCHIA, and control or suppression of additional broadleaf weeds on the INVOLVE® 50 WDG label, apply this tankmix to spring wheat (excluding durum) and spring barley as follows:

TANK MIX PARTNER	RATE
INVOLVE® 50 WDG	15 g/ha
Banvel® II or Banvel® Dry EG Herbicide	110 mL/ha or 76 g/ha
2,4-D Ester 700	0.6 L/ha (or 420 g/ha acid equivalent)

Apply the tank mix from the full 3-leaf stage to the 6-leaf + 3 tiller stage of wheat (excluding durum) and barley.

Apply when kochia plants are 2.5 – 10 cm in height. Expect superior results when kochia is small.

Apply when wild buckwheat plants are in the 1-4 leaf stage.

INVOLVE® 50 WDG + 2,4-D ESTER + BANVEL® II (or BANVEL® DRY EG HERBICIDE) + PUMA® 120 SUPER

For control of GREEN FOXTAIL (WILD MILLET) and control or suppression of broadleaf weeds including WILD BUCKWHEAT and sulfonylurea resistant KOCHIA in spring wheat (excluding durum) and spring barley, apply the tank mix as follows:

TANK MIX PARTNER	RATE
INVOLVE® 50 WDG	15 g/ha
2,4-D Ester 700	0.6 L/ha (or 420 g/ha acid equivalent)
Banvel® II or Banvel® Dry EG Herbicide	110 mL/ha or 76 g/ha
Puma® 120 Super	385 mL/ha

Apply this tank mix from the full 3-leaf stage to the 6-leaf + 3 tiller stage of wheat (excluding durum) and the full 3-leaf stage to the 5-leaf + 2 tiller stage of barley.

For green foxtail control, apply at the 1-5 leaf (up to emergence of the 1st tiller) stage.

**FOR WEED CONTROL IN SPRING WHEAT ONLY
(For use in the Prairie Provinces and interior of British Columbia (including the Peace River Region) ONLY)**

INVOLVE® 50 WDG + 2,4-D ESTER + EVEREST® 70 DF OR EVEREST® SOLUPAK® 70

Apply to spring wheat in the 3 to 6 leaf stage (3-4 leaves on main stem, plus 2 tillers), to wild oats and green foxtail in the 1-6 leaf stage (1-4 leaves on main stem, plus 2 tillers).

TANK MIX COMPONENTS AND APPLICATION RATES
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INVOLVE [®] 50 WDG	Everest [®] 70 DF or Everest [®] Solupak 70	2,4-D Ester 700 (or Acid Equivalent)	Non-Ionic Surfactant
15 Grams/Ha	43 Grams/Ha	0.6 L/ha (or 420 g/ha acid equivalent)	2.5 L/1000 L (0.25 % v/v)
MIXING: Refer to the MIXING INSTRUCTIONS Section.			

Weeds Controlled: Broadleaf weeds controlled or suppressed by INVOLVE[®] 50 WDG + 2,4-D Ester LV 700, plus wild oats and green foxtail.

NOTE: Observe minimum interval to harvest of 80 days after treatment. For black, dark brown and grey-wooded soil zones only, field peas may be grown the year following application in fields where precipitation has been normal or above normal (10-year average) during the growing season, and where organic matter content is above 4% and pH below 7.5. Re-crop spring wheat only in brown soil zone. Consult the Everest[®] 70 DF or Everest[®] Solupak 70 labels for additional information on rotational crop restrictions, application instructions, use precautions and other restrictions.

FOR CONTROL OF FLIXWEED AND STINKWEED (FALL ROSETTES AND SPRING SEEDLINGS) IN SUMMERFALLOW

(For use in the Prairie Provinces and interior of British Columbia (including the Peace River Region) ONLY)

With any summer fallow treatment, allow at least 10 days to elapse between treatment and tillage. Only weeds that have emerged at the time of application will be controlled.

INVOLVE[®] 50 WDG + 2,4-D ESTER

Apply INVOLVE[®] 50 WDG at 15 g/ha with 2,4-D Ester at 420 g a.e./ha (0.6 L 2,4-D Ester LV-700).

Apply the tank mix in the spring after emergence, up to the early flowering stage of the target weeds. Only weeds that have emerged at the time of application will be controlled.

This tank mixture will also control the broadleaf weeds controlled by 2,4-D Ester at 420 g a.e./ha. Use a maximum of 15 grams of INVOLVE[®] 50 WDG per hectare per year.

CONTROL OF BROADLEAF WEEDS AND GRASSES IN FALLOW AND PRE-SEED TO WHEAT (SPRING, DURUM AND WINTER), SPRING BARLEY, OATS, CANARY SEED (FOR THE BIRDSEED MARKET) AND PULSE CROPS (INCLUDING Dry BEAN, FABABEAN, FIELD PEA, LUPIN AND SOYBEAN)

(For use in the Prairie Provinces and interior of British Columbia (including the Peace River Region) and Eastern Canada)

With any summerfallow treatment, allow at least 10 days to elapse between treatment and tillage. Only weeds emerged at time of application will be controlled.

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Fields treated with INVOLVE® 50 WDG can be seeded to wheat (spring, durum and winter), spring barley, oats, canary seed (for the birdseed market) or pulse crops (including dry bean, fababean, field pea, lupin and soybean) a minimum of 24 hours after application.

Injury to pulse crops may occur on coarse-textured soils, low in organic matter (less than 3%), or in fields with variable soils, gravely areas, sandy areas or eroded knolls. Avoid planting pulse crops in soils containing more than 50% sand.

Apply INVOLVE® 50 WDG at 15 grams per hectare, tank mixed with one of the following companion herbicides and adjuvant (where required) in a total spray volume of 55-110 L/ha. Use a maximum of 15 grams of INVOLVE® 50 WDG per hectare per year.

Tank Mixes not Requiring Surfactant

Companion Herbicide	Application Rate	Application Stage	Weeds Controlled	Weeds Suppressed*
glyphosate (present as potassium salt, isopropylamine salt or dimethylamine salt)	450 g a.e./ha	Up to 8 cm	Canada fleabane, common ragweed, narrow leaved hawk's beard	
		Up to 15 cm	Dandelion, downy brome, flixweed, giant foxtail, green foxtail, hemp nettle, kochia, lady's thumb, lamb's-quarters, Persian darnel, redroot pigweed, Russian thistle, stinkweed, volunteer barley, volunteer canola (including glyphosate-tolerant varieties), volunteer flax, volunteer wheat, wild mustard, wild oats	
		Up to 3-leaf	Cow cockle, wild buckwheat	
		Rosette		Canada thistle

Tank Mixes Requiring Surfactant

Companion Herbicide	Application Rate	Application Stage	Weeds Controlled	Weeds Suppressed*
glyphosate (present as potassium salt, isopropylamine salt or dimethylamine salt)	270 g a.e./ha	Any stage	Volunteer canola (including glyphosate tolerant)	

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plus Agral® 90	0.35% v/v	Seedlings and rosettes		Narrow- leaved hawk's beard
		Up to 8 cm	green foxtail, lady's thumb, stinkweed, volunteer barley, volunteer wheat, wild buckwheat (1-3 leaf), wild mustard, wild oats (1- 3- leaf)	
		Up to 10 cm	kochia, lamb's-quarters	redroot pigweed, Russian thistle
glyphosate (present as potassium salt, isopropylamine salt or dimethylamine salt)	360 g a.e./ha	Rosettes (non- flowering)	Dandelion (top growth)	Canada thistle (top growth)
plus Agral® 90	0.35 % v/v			

*Weed suppression is a visual reduction in weed competition (reduced population or vigour) as compared to an untreated area. Degree of suppression will vary with size of weed and environmental conditions prior to and following treatment.

Consult the labels of the glyphosate products to be used as tankmix partners with INVOLVE® 50 WDG for specific instructions of "Directions for Use" and restrictions.

SEASON LONG CONTROL OF BROADLEAF WEEDS IN PASTURE AND RANGELAND

(For use in the Prairie Provinces and interior of British Columbia (including the Peace River Region) and Eastern Canada)

Apply INVOLVE® 50 WDG at either 15 or 30 grams per hectare with a non-ionic surfactant at 0.2% v/v (2 L per 1000 L of water) to broadleaf weeds in the early bud to pre-bloom stage using a minimum spray volume of 55 L/hectare.

WEEDS:	
Rates (grams per hectare)	Season long control
15	Tall buttercup and narrow-leaved hawk's beard
30	Dandelion, white cockle, and common tansy
NOTE: Livestock may graze without restriction following treatment.	

MIXING INSTRUCTIONS

1. Add one-third of the necessary volume of water to the spray tank.

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2. With the agitator running, add the required amount of INVOLVE® 50 WDG. Ensure that the herbicide is completely dispersed before adding other components of the tank mix.
3. When INVOLVE® 50 WDG is in suspension, add the required amount of the appropriate tank mix partners.
4. Refer to the section of Specific Tank Mix Instructions for mixing order and other mixing instructions.
5. Add the rest of the water. If an antifoam agent is required, add this last.
6. Use a minimum spray volume of 55 L/ha.
7. For repeat tank loads, reduce the material remaining in the tank to 10% of the original volume or less before proceeding with step 1. If this is not possible, pre-slurry INVOLVE® 50 WDG in a small amount (5-10 L) of water before adding to the tank. The 2,4-D Ester component does not need to be premixed. Continuous agitation is required to keep the INVOLVE® 50 WDG in suspension.
8. If the spray preparation is left standing without agitation, thoroughly agitate to resuspend the mixture before spraying. Use spray preparation of INVOLVE® 50 WDG within 24 hours or product degradation may occur.

SPECIAL MIXING INSTRUCTIONS FOR CHEMICAL HANDLERS (INDUCTION DEVICES FOR CLOSED SYSTEM LOADING OF SPRAYERS)

1. Ensure the chemical handler is clean (rinsed with ammonia).
2. For best results, add INVOLVE® 50 WDG to the top of the tank.
3. If a chemical handler is used, make sure that all of the granules of INVOLVE® 50 WDG are completely dispersed and injected into the main tank with agitation before adding other chemicals.
4. Low water volumes in some chemical handlers can cause the water to become saturated with INVOLVE® 50 WDG, leaving un-dispersed granules. In that case, rinse the chemical handler with clean water before adding any other chemical.
5. Always disperse the INVOLVE® 50 WDG granules with agitation in the main tank before adding a tank mix partner.

NOTE: Follow the clean-out procedure recommended for sprayer tanks for the chemical handler.

Specific Tank Mix Instructions:

INVOLVE® 50 WDG + 2,4-D Ester: add 2,4-D Ester last. Do not add a surfactant.

INVOLVE® 50 WDG + Assert® 300 + 2,4-D Ester: once INVOLVE® 50 WDG is completely dispersed, add the required amount of Spray Water pH Adjuster and agitate until dissolved. Add the required amount of Assert® 300 while maintaining agitation. Add 2,4-D Ester last. A surfactant is not required with this mixture.

INVOLVE® 50 WDG + 2,4-D Ester + Banvel® II or Banvel® Dry EG Herbicide: add 2,4D Ester last. A surfactant is not required with this mixture.

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INVOLVE® 50 WDG + 2,4-D Ester + Puma® 120 Super: add the required amount of Puma® 120 Super last. A surfactant is not required with this mixture.

INVOLVE® 50 WDG + 2,4-D Ester + Banvel® II or Banvel® Dry EG Herbicide + Puma® 120 Super: add the required amount of Puma® 120 Super last. A surfactant is not required with this mixture.

INVOLVE® 50 WDG + 2,4-D Ester + Everest® 70 DF OR Everest® Solupak®: Add the required amount of Everest® 70 DF or Everest Solupak 70 with agitation. When the Everest Solupak water soluble bag is completely dispersed and Everest 70 DF is suspended, 2,4-D Ester LV 700 may be added. Add non-ionic surfactant last.

INVOLVE® 50 WDG + Glyphosate (present as potassium salt, isopropylamine salt or dimethylamine salt): once INVOLVE® 50 WDG is completely dispersed, add the required amount of glyphosate (present as potassium salt, isopropylamine salt or dimethylamine salt) while maintaining agitation. Once components are completely mixed, if required, add Agral® 90 at 3.5 L per 1000 L of spray solution (0.35% v/v).

Add the rest of the water. If an antifoam agent is required, add this last. Use a minimum spray volume of 55 L/ha.

For repeat tank loads, reduce the material remaining in the tank to 10% of the original volume or less before proceeding with step 1. If this is not possible, pre-slurry INVOLVE® 50 WDG in a small amount (5-10 L) of water before adding to the tank. The 2,4-D Ester component does not need to be premixed. Continuous agitation is required to keep the INVOLVE® 50 WDG in suspension.

If the spray preparation is left standing without agitation, thoroughly agitate to resuspend the tank mixture before spraying. Use spray preparation of INVOLVE® 50 WDG tank mix within 24 hours or product degradation may occur.

MINIMUM RECROPPING INTERVAL AND CROP ROTATION GUIDELINES

For crops other than cereals, allow a minimum interval between application and planting of 2 months. After 2 months, canola, flax, lentils, and alfalfa can be seeded. Any crop can be seeded in the year following application.

EQUIPMENT-SPRAY VOLUMES

Apply the spray mixture uniformly with properly calibrated ground equipment only. Ensure thorough coverage and a uniform spray pattern. Flat fan nozzles are recommended (minimum 55 litres spray volume per hectare). Use 50 mesh filter screens or larger (metal or nylon).

Apply uniformly and avoid overlapping. Shut off spray boom while starting, turning, slowing or stopping to prevent crop injury from over application.

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Reduce drift with high water volume, low pressure, coarse sprays and drop nozzles. Do not apply with more than 275 kPa spray pressure.

DO NOT apply using aerial application equipment.

SPRAYER CLEANUP

To avoid subsequent injury to crops other than wheat, spring barley or oats, immediately after spraying and prior to spraying other crops, thoroughly remove all traces of INVOLVE® 50 WDG from mixing and spray equipment as follows:

1. Drain tank and flush tank, boom and hoses with clean water. If boom is equipped with multiple nozzle bodies, be sure to rotate through all nozzles to ensure clean water reaches all parts of these assemblies.
2. Visually inspect tank to ensure removal of all visible herbicide residues. If necessary, repeat Step 1.
3. Fill the tank with clean water, and then add 1 litre household ammonia (containing minimum of 3% ammonia) or equivalent amount of a sprayer tank cleaner containing ammonia, per 100 liters of water. Ammonia will not neutralize the herbicide, but helps dissolve dried – on herbicide deposits. Use of a wetting agent in the cleaning process will assist in removing oily residues.
4. Flush solution through boom and hoses, and then add more water to completely fill tank. Allow to sit for 15 minutes with agitation.
5. Drain the tank.
6. Remove the nozzles and screens and clean separately in a bucket containing cleaning agent and water.
7. Thoroughly rinse the tank with clean water for a minimum of 5 minutes, flushing water through the hoses and boom.
8. Dispose of tank rinsate according to provincial directions.

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

RESISTANCE-MANAGEMENT RECOMMENDATIONS:

For resistance management, INVOLVE® 50 WDG is a Group 2 herbicide. Any weed population may contain or develop plants naturally resistant to INVOLVE® 50 WDG and other Group 2 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. Other resistance mechanisms that are not linked to site of action, but specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.

To delay herbicide resistance:

- Where possible, rotate the use of INVOLVE® 50 WDG or other Group 2 herbicides within a growing season (sequence) or among growing seasons different herbicide groups that control the same weeds in a field.

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- 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 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 ADAMA Agricultural Solutions Canada Ltd. at 1-855-264-6262 or at www.adama.com/canada.

USE PRECAUTIONS:

Preharvest Interval (PHI): Allow at least 30 days between application and harvest.

Do not apply to irrigated land where tail water will be used to irrigate other cropland.

Do not contaminate irrigation water.

If rain occurs soon after application, control may be reduced. At least 4-6 hours of dry weather is needed to allow the tank mixture to be absorbed by weed foliage. Environmental conditions that slow the drying of the spray mixture on the foliage such as high relative humidity, cool air temperatures or cloud cover, may increase the time required.

Use a maximum of 15 grams of INVOLVE® 50 WDG per hectare per year on annual crops.

Do not remove soil from treated fields for use on lawns, in gardens or for backfill.

OVERSPRAY OR DRIFT TO IMPORTANT WILDLIFE HABITATS SUCH AS SHELTERBELTS, WETLANDS, SLOUGHS OR DRY SLOUGH BORDERS, OR WOODLOTS, SHOULD BE AVOIDED.

Observe buffer zones specified under DIRECTIONS FOR USE.

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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.

Control of weeds growing in wheel tracks may be reduced if INVOLVE® 50 WDG is applied under dry, dusty conditions.

STORAGE AND DISPOSAL:

STORAGE:

Store products in original containers in a secure, dry area away from fertilizer, seeds, food or feed.

Not for use or storage in or around the home. Keep container tightly closed.

DISPOSAL:

For recyclable containers:

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

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

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

For 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.

For returnable containers:

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

For all package types:

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

NOTICE TO USER:

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

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