



U.S. ENVIRONMENTAL PROTECTION AGENCY
 Office of Pesticide Programs
 Registration Division (7505C)
 1200 Pennsylvania Ave., N.W.
 Washington, D.C. 20460

EPA Reg. Number:
 66222-179

Date of Issuance:
 FEB 12 2009

NOTICE OF PESTICIDE:

Registration
 Reregistration

(under FIFRA, as amended)

Term of Issuance:
 Conditional

Name of Pesticide Product:
 Involve Herbicide

Name and Address of Registrant (include ZIP Code):

Makheshim Agan of North America, Inc
 4515 Falls of Neuse Road, Suite 300
 Raleigh, NC 27609

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A) and (B) provided that you:

1. Submit the results of the one-year storage stability (830.6317) and corrosion characteristics (830.6320) studies when they are available.
2. Submit and/or cite all data required for registration/reregistration of your product when the Agency requires all registrants of similar products to submit such data.
3. Make the labeling changes listed below before you release the product for shipment:

Signature of Approving Official:

Verkie K. Walters for
 James A. Tompkins, Product Manager (25)
 Herbicide Branch, Registration Division (7505P)

Date:

2/12/09

- a. Add the phrase "EPA Registration No. 66222-179".
- b. On page 2, **IMPORTANT**: delete the word "recommended" from the first sentence. The Agency no longer allows use of the word "recommended" when referring to use sites. The sentence may be modified as necessary.
- c. On page 5, Equipment Cleanup, revise the first sentence in the next to last paragraph to read "If only ammonia is used as a cleaner, the rinsate solution may be applied back to the crop(s) specified on this label.
- d. On page 7, revise the second sentence of the first paragraph to read "For better results, use the highest **specified** rate of Involve Herbicide per acre..."
- e. On page 7, Specific Weed Problems-Cereals, under Canada Thistle and Common cocklebur, Common ragweed, Lanceleaf sage, revise the last sentence to read "For control in oat, use **0.4 oz** Involve Herbicide per acre..."
- f. There are several areas of the label where phrases or sentences similar to "Read and follow all manufacturers label recommendations for the companion herbicide. If these recommendations conflict with this label..." appear. Revise these sentences or phrases by replacing the word "recommendations" with the word "instructions".
- g. There are several areas of the label where the phrases "local recommendations" or "for a specific recommendation" appear. Revise these phrases to read "local **guidance**" or "for specific **guidance**".
- h. On page 10, revise the first sentence of the last paragraph to read "...including use restrictions, labeled crops, rotational crop **intervals**, sprayer cleanup, use precautions and other information. Also, revise the last sentence to read "If any of those **instructions** conflict with this label..."
- i. On page 11, under Imazethapyr Tolerant Canola and CDC Triffid Flax, the second bullet under Precautions, revise the phrase "some plants outside the recommended leaf stage for application(s)" to read "some plants outside the **specified** leaf stage for application(s)."

4. Submit one (1) copy of your final printed label before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6 (e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Enclosure

FEB 12 2009

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. ~~66222-xxx~~ 179

Involve™

Herbicide

For Use on Wheat (including durum), Barley, Oat, Triticale, and Fallow

Contains thifensulfuron-methyl and tribenuron-methyl, the active ingredients used in Harmony® Extra XP. Involve™ Herbicide is not manufactured or distributed by DuPont™.

ACTIVE INGREDIENT:	% BY WT.
Thifensulfuron-methyl: Methyl 3-[[[(4-methoxy-6-methyl-1,3,5-triazin-2-yl) amino]carbonyl]amino]sulfonyl]-2-thiophenecarboxylate	50.0%
Tribenuron-methyl: Methyl 2-[[[N-(4-methoxy-6-methyl-1,3,5-triazin-2-yl)methylamino]carbonyl]amino]sulfonyl]benzoate	25.0%
OTHER INGREDIENTS:	25.0%
TOTAL:	100.0%

KEEP OUT OF REACH OF CHILDREN

CAUTION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

Manufactured for:
Makhteshim Agan of North America, Inc.
4515 Falls of Neuse Rd., Suite 300
Raleigh, NC 27609

EPA Reg. No. 66222-xxx

EPA Est. No. _____

NET CONTENTS: _____ LBS

FIRST AID

IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none"> Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.
IF IN EYES:	<ul style="list-style-type: none"> Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
IF SWALLOWED:	<ul style="list-style-type: none"> Call a poison control center 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 center or doctor. Do not give anything by mouth to an unconscious person.
IF INHALED:	<ul style="list-style-type: none"> Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
<p>Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact Prostar at 1-877-250-9291 for emergency medical treatment information.</p>	

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Causes moderate eye irritation. Avoid contact with skin, eyes, and clothing. Wash thoroughly with soap and water after handling.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.

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Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves, such as butyl rubber, natural rubber, neoprene rubber or nitrile rubber ≥ 14 mils
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

ENVIRONMENTAL HAZARDS

Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

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

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls
- Chemical-resistant gloves, such as butyl rubber, natural rubber, neoprene rubber or nitrile rubber ≥ 14 mils
- Shoes plus socks

IMPORTANT: Involve™ Herbicide is recommended for use on wheat (including durum), barley, oat, triticale, and fallow in most states. Check with your agricultural dealer, state Cooperative Extension Service or Department of Agriculture before use, to be certain **Involve™ Herbicide** is registered in your state. Read the entire Use Directions and Limitations of Warranty and Liability before using **Involve™ Herbicide**.

SPRAY DRIFT MANAGEMENT

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment- and weather-related factors determines the potential for spray drift. The applicator is responsible for considering all these factors when making application decisions. To minimize spray drift, the applicator should be familiar with and take into account the following drift reduction advisory information. Additional information may be available from state enforcement agencies or the Cooperative Extension on the application of this product.

Importance of Droplet Size

The most effective way to reduce drift potential is to apply large droplets (> 150 - 200 microns). The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. The presence of sensitive species nearby, the environmental conditions, and pest pressure may affect how an applicator balances drift control and coverage. Applying larger droplets reduces drift potential, but will not prevent drift if applications are made improperly or under unfavorable environmental conditions! See Wind, Temperature and Humidity, and Temperature Inversions sections of this label.

Controlling Droplet Size – General Techniques

- **Volume** - Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.
- **Pressure** - Use the lower spray pressures recommended for the nozzle. Higher pressure reduces droplet size and does not improve canopy penetration. When higher flow rates are needed, use a higher-capacity nozzle instead of increasing pressure. **Nozzle Type** - Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles.

Controlling Droplet Size - Aircraft

- **Number of Nozzles** - Use the minimum number of nozzles with the highest flow rate that provide uniform coverage.
- **Nozzle Orientation** - Orienting nozzles so that the spray is emitted backwards, parallel to the airstream will produce larger droplets than other orientations.
- **Nozzle Type** - Solid stream nozzles (such as disc and core with swirl plate removed) oriented straight back produce larger droplets than other nozzle types.
- **Boom Length** - The boom length should not exceed ¾ of the wing or rotor length – longer booms increase drift potential.
- **Application Height** - Application more than 10 ft above the canopy increases the potential for spray drift.

Boom Height

Setting the boom at the lowest referenced height (if specified) which provides uniform coverage reduces the exposure of droplets to evaporation and wind. For ground equipment, the boom should remain level with the crop and have minimal bounce.

Wind

Drift potential increases at wind speeds of less than 3 mph (due to inversion potential) or more than 10 mph. However, many factors, including droplet size and equipment type, determine drift potential at any given wind speed. AVOID GUSTY AND WINDLESS CONDITIONS.

Note: Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect spray drift.

Temperature and Humidity

When making applications in hot and dry conditions, set up equipment to produce larger droplets to reduce effects of evaporation.

Temperature Inversions

Drift potential is high during a temperature inversion. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain close to the ground and move laterally in a concentrated cloud. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

Shielded Sprayers

Shielding the boom or individual nozzles can reduce the effects of wind. However, it is the responsibility of the applicator to verify that the shields are preventing drift and not interfering with uniform deposition of the product.

Air Assisted (Air Blast) Field Crop Sprayers

Air assisted field crop sprayers carry droplets to the target via a downward directed air stream. Some may reduce the potential for drift, but if a sprayer is unsuitable for the application and/or set up improperly, high drift potential can result. It is the responsibility of the applicator to determine that a sprayer is suitable for the intended application, is configured properly, and that drift is not occurring.

Note: Air assisted field sprayers can affect product performance by affecting spray coverage and canopy penetration. Consult the spray equipment section of this label to determine if use of an air assist sprayer is recommended.

CHEMIGATION APPLICATION

Involve™ Herbicide may be applied through sprinkler chemigation only in the state of ID and only in a tank mixture with Bronate for postemergence weed control in winter and spring wheat and spring barley (See SPRINKLER CHEMIGATION WITH INVOLVE™ HERBICIDE AND BRONATE section of this label for complete use directions). Do not use **Involve™ Herbicide** through any other irrigation systems.

INTEGRATED PEST MANAGEMENT

Involve™ Herbicide may be used as part of an Integrated Pest Management (IPM) program that can include biological, cultural, and genetic practices aimed at preventing economic pest damage. IPM principles and practices include field scouting or other detection methods, correct target pest identification, population monitoring, and treating when target pest populations reach locally determined action thresholds. Consult your state cooperative extension service, professional consultants or other qualified authorities to determine appropriate action treatment threshold levels for treating specific pest/crop systems in your area.

RESISTANCE

When herbicides that affect the same biological site of action are used repeatedly over several years to control the same weed species in the same field, naturally-occurring resistant biotypes may survive a correctly applied herbicide treatment, propagate, and become dominant in that field. Adequate control of these resistant weed biotypes cannot be expected. If weed control is unsatisfactory, it may be necessary to retreat the problem area using a product affecting a different site of action.

To better manage herbicide resistance through delaying the proliferation and possible dominance of herbicide resistant weed biotypes, it may be necessary to change cultural practices within and between crop seasons such as using a combination of

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tillage, retreatment, tank-mix partners and/or sequential herbicide applications that have a different site of action. Weed escapes that are allowed to go to seed will promote the spread of resistant biotypes.

It is advisable to keep accurate records of pesticides applied to individual fields to help obtain information on the spread and dispersal of resistant biotypes. Consult your agricultural dealer, consultant, applicator, and/or appropriate state agricultural extension service representative for specific alternative cultural practices or herbicide recommendations available in your area.

GENERAL INFORMATION

FORMULATION: **INVOLVE™ HERBICIDE** is a dry flowable granule that is used for selective postemergence weed control in cereal crops [wheat (including durum), barley, oat, triticale] and fallow. It may also be used as a pre-plant burndown treatment to control emerged weeds in fields to be planted in cotton, field corn, grain sorghum, rice and soybean. **Involve™ Herbicide** provides the best control when it is applied to young, actively growing weeds. The use rate will depend on weed spectrum and size of weeds at time of application. The degree and duration of control are affected by many factors including, but not limited to, spectrum and intensity of weeds present, size of weeds when treated and environmental conditions at and after treatment.

Involve™ Herbicide is noncorrosive, nonflammable, nonvolatile, and does not freeze. **Involve™ Herbicide** should be mixed in water and applied as a uniform broadcast spray. Use the **Involve™ Herbicide** volumetric measuring cylinder for measurement. The degree of accuracy of this cylinder varies by ± 7.5%. Use scales calibrated in ounces if more precise measurement is required.

Mode of Action: **Involve™ Herbicide** is absorbed primarily through plant foliage and rapidly inhibits growth of susceptible plants. It has little or no soil activity so it controls only those weeds that have germinated at the time of application. Activity is increased when application is made to annual broadleaf weeds that are beyond the cotyledon stage, actively growing and less than 4" tall. Approximately one to 3 weeks after application (2 to 5 weeks for wild garlic), leaves of susceptible plants appear chlorotic and the plant's growing point subsequently dies. Best weed control is obtained when **Involve™ Herbicide** is applied in vigorously growing crops that shade competitive weeds. Reduced weed control may result, however, when the crop canopy is too dense and some of the spray is intercepted by the crop and fails to reach the weeds. In addition, reduced weed control may result where the crop canopy is not so dense due to a thin crop stand or seeding skips and there is less shade.

The herbicidal action of **Involve™ Herbicide** may be affected in crops stressed from adverse environmental conditions (such as extreme temperatures or rainfall immediately after application), abnormal soil conditions, cultural practices, or variations in crop variety. The expression of herbicide symptoms is accelerated in warm, moist conditions whereas in cold, dry conditions the expression of herbicide symptoms is delayed. In addition, weeds hardened-off by drought stress are less susceptible to **Involve™ Herbicide**. Several hours of dry weather are needed for **Involve™ Herbicide** to be absorbed sufficiently by weed foliage and not be affected by rainfall.

Crop Uses: **Involve™ Herbicide** is registered for use on wheat (including durum), barley, oat (spring and winter), triticale and fallow. It is also registered for use in selected states on Imazethapyr Tolerant Canola and CDC Trifid Flax. It should not be used postemergence in any other crop. **Involve™ Herbicide** may also be used for pre-plant burndown weed control in ground to be planted to cereals (wheat, barley, oats and triticale), cotton, field corn, grain sorghum, rice, soybeans, sugarbeets, winter rape and canola. See the CROP ROTATION section of this label for specific time intervals to wait between application of **Involve™ Herbicide** and planting.

Different varieties of wheat, barley, oats and triticale may differ in their responses to various herbicides. Consult your crop consultant, Cooperative Extension Service or state university for information on the sensitivity to specific herbicides. If no information is available, limit the initial use of **Involve™ Herbicide** to a small area. Temporary discoloration and/or crop injury may occur after application of **Involve™ Herbicide** under certain conditions such as heavy rainfall, prolonged cold weather (daily high temperature less than 50°F) or wide fluctuations in day/night temperatures prior to or soon after application. To reduce the potential of crop injury, tank-mix **Involve™ Herbicide** with 2,4-D (ester formulations preferred) and apply after the crop is in the tillering stage of growth (See TANK MIXTURES IN CEREALS section of this label for more information).

Involve™ Herbicide should not be applied to wheat, barley, oats, and triticale that is stressed by severe weather conditions, drought (including low levels of subsoil moisture), low fertility, water-saturated soil, disease, or insect damage, as crop injury may result. Risk of injury is greatest when crop is in the 2- to 5-leaf stage. Severe winter stress, drought, disease, or insect damage following application also may result in crop injury.

Grazing: Do not graze livestock in areas treated with **Involve™ Herbicide**. In addition, do not feed forage or hay from treated areas to livestock (harvested straw may be used for bedding and/or feed).

SURFACTANTS – ALL USES

Unless otherwise specified, add a nonionic surfactant having at least 80% active ingredient at 2 to 4 pt per 100 gal of spray solution (0.25 to 0.5% v/v) in all applications of **Involve™ Herbicide**. See the TANK MIXTURES IN CEREALS section of this label for specific surfactant recommendations when **Involve™ Herbicide** is used in a tank-mix with other herbicides or products.

For pre-plant burndown in cotton, include a nonionic surfactant, petroleum based crop oil concentrate, or a vegetable seed oil-based product (methylated seed oils are considered a vegetable seed based oil). If another herbicide is tank-mixed with **Involve™ Herbicide** to increase the broadleaf weed spectrum, select surfactants based on the surfactant limitations of the companion herbicide.

Consult your agricultural dealer, applicator, crop consultant, state Cooperative Extension Service, or MANA fact sheets or technical bulletins for a listing of recommended surfactants. Antifoaming agents may be used if needed.

Do not use low rates of liquid nitrogen fertilizer solution as a substitute for surfactant.

SPRAY EQUIPMENT AND MIXING INSTRUCTIONS

Equipment: For specific application equipment, refer to the manufacturer's recommendations for additional information on gallons per acre (GPA), pressure, speed, nozzle types and arrangements, nozzle heights above the target canopy, etc. Air and ground equipment should be properly calibrated with clean water before making an application of **Involve™ Herbicide**. Thorough coverage is required for best weed control. The spray delivery system should provide a uniform spray pattern with a minimum of drift. When the crop canopy is dense, use higher spray volumes to obtain better coverage. Avoid swath overlapping, and shut off spray booms while starting, turning, slowing, or stopping, to avoid injury to the crop.

Avoid spray drift onto nontarget sites by using properly calibrated equipment, appropriate spray volumes for the crop and avoiding an application during inclement weather conditions that favor spray drift. For additional information on spray drift refer to the SPRAY DRIFT MANAGEMENT section of this label. Continuous agitation is required to keep **Involve™ Herbicide** in suspension. If tank-mixing **Involve™ Herbicide** with other herbicides or products, refer to specific labels of the tank-mix partners for additional information on spray equipment or mixing instructions.

Mixing Instructions: Always start with a clean spray tank before mixing **Involve™ Herbicide**. Do not mix **Involve™ Herbicide** with spray additives that alter the pH of the spray solution below 5.0 or above 9.0 because rapid product degradation can occur. Optimum stability of **Involve™ Herbicide** occurs when spray solutions are in the range of pH 6.0 to 8.0. Follow these steps when mixing a spray solution with **Involve™ Herbicide**:

1. Fill the tank 1/4 to 1/3 full of water.
2. While agitating, add the required amount of **Involve™ Herbicide**.
3. Continue agitation until the **Involve™ Herbicide** is fully dispersed; this could take at least 5 minutes.
4. Once the **Involve™ Herbicide** is fully dispersed, maintain agitation and continue filling the tank with water. **Involve™ Herbicide** should be thoroughly mixed with water before adding any other material. Avoid overfilling of the spray tank.
5. As the tank is filling, add tank-mix partners and then add the required volume of nonionic surfactant. Always add the surfactant last.
6. If the mixture is not continuously agitated, settling will occur. If settling occurs, thoroughly re-agitate before using.
7. Mix only enough product for the job at hand and apply the **Involve™ Herbicide** spray mixture within 24 hours of mixing to avoid product degradation.
8. If **Involve™ Herbicide** and a tank-mix partner are to be applied in multiple loads, pre-slurry the **Involve™ Herbicide** in clean water prior to adding to the tank. This will prevent the tank-mix partner from interfering with the dissolution of the **Involve™ Herbicide**.

Equipment Cleanup: The spray equipment must be cleaned before **Involve™ Herbicide** is sprayed. Follow the cleanup procedures specified on the labels of the previously applied products. If no clean-up directions are provided, follow the steps provided below for cleaning up after spraying **Involve™ Herbicide**. On spray days when multiple loads of **Involve™ Herbicide** are applied, the interior of the spray tank should be cleaned at the end of the day to prevent buildup of dried pesticide deposits. Rinse the spray tank with fresh water and then when partially filled flush the boom and hoses.

After spraying **Involve™ Herbicide** and before spraying crops other than wheat, barley, triticale and oat, thoroughly clean all mixing and spray equipment immediately after application of **Involve™ Herbicide** as follows:

1. Drain the tank; thoroughly rinse spray tanks, boom, and hoses with clean water (be sure to loosen and physically remove any visible deposits).
2. Fill the tank with clean water and 1 gal of household ammonia* (contains 3% active) for every 100 gal of water. Flush the hoses, boom, and nozzles with the cleaning solution. Add more water to completely fill the tank. Circulate the cleaning solution through the tank and hoses for at least 15 min. Flush the hoses, boom, and nozzles again with the cleaning solution, and then drain the tank.
3. Remove the nozzles and screens and clean separately in a bucket containing cleaning agent and water.
4. Repeat step 2.
5. Rinse the tank, boom, and hoses with clean water.

If only ammonia is used as a cleaner, the rinsate solution may be applied back to the crop(s) recommended on this label. Do not exceed the maximum labeled use rate. If other cleaners are used, consult the cleaner label for rinsate disposal instructions. If no instructions are given, dispose of the rinsate on site or at an approved waste disposal facility.

* Equivalent amounts of an alternate-strength ammonia solution or approved cleaner may be used in the cleanout procedure. Carefully read and follow the individual cleaner instructions. Consult your agricultural dealer, applicator, or crop consultant for a listing of approved cleaners.

Cleaning Precautions:

1. Do not use chlorine bleach with ammonia as dangerous gases will form. Do not clean equipment in an enclosed area.
2. Steam-cleaning aerial spray tanks is recommended prior to performing the above cleanout procedure to facilitate the removal of any caked deposits.

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3. When **Involve™ Herbicide** is tank-mixed with other pesticides, all cleanout procedures should be examined and the most rigorous procedure should be followed.
4. In addition to this cleanout procedure, all pre-cleanout guidelines on subsequently applied products should be followed as per the individual labels.
5. It is recommended that a sprayer be dedicated only to **Involve™ Herbicide** applications to further reduce the chance of crop injury.

APPLICATION INSTRUCTIONS

Involve™ Herbicide may be applied by ground and aerial equipment. As discussed below, use 5 to 20 GPA for ground application and 2 to 5 GPA for aerial application. Apply **Involve™ Herbicide** at a rate of 0.3 to 0.4 oz per acre on oats and 0.3 to 0.6 oz per acre on other labeled crops. Refer to the use directions below for crop specific rates. Do not apply **Involve™ Herbicide** at less than 0.3 oz per acre.

Since **Involve™ Herbicide** has very little or no soil activity, it controls only those weeds that have germinated. It is important, therefore, to delay application of **Involve™ Herbicide** until all or most of the weeds have germinated. Annual broadleaf weeds should be past the cotyledon stage, actively growing, and less than 4" tall or wide. Rainfall immediately after treatment can wash **Involve™ Herbicide** off of weed foliage, resulting in reduced weed control. Several hours of dry weather are needed to allow it to be sufficiently absorbed by weed foliage.

Ground Application: Flat-fan or low-volume flood nozzles are recommended for optimum spray distribution and thorough coverage. When using flat-fan nozzles, use a minimum spray volume of 5 GPA. If flood nozzles are used they should be no larger than TK10 (or the equivalent) and pressurized at least 30 psi. If the flood nozzles are on 30" spacings the target spray volume should be at least 10 GPA. For flood nozzles on 40" spacings the target spray volume should be at least 13 GPA whereas if on 60" spacings it should be at least 20 GPA. It is essential to overlap the nozzles 100% for all spacings. Raindrop RA® nozzles are not recommended for use with **Involve™ Herbicide** applications, as weed control performance may be reduced. Be sure to use screens that are 50-mesh or larger.

Aerial Application: Use nozzle types and arrangements that provide optimum spray distribution and maximum coverage at 2 to 5 GPA. Use at least 3 GPA in ID, OR, and UT. **Involve™ Herbicide** is limited to ground application only in the state of NY. See the SPRAY DRIFT MANAGEMENT section of this label for additional information on aerial application.

WEEDS CONTROLLED OR PARTIALLY CONTROLLED - ALL USES

Involve™ Herbicide provides control or partial control of the following weeds when used according to label directions:

Annual knawel	Curly dock	Redmaids
Annual sowthistle	Cutleaf evening primrose ²	Redroot pigweed
Black mustard	False chamomile	Russian thistle ¹
Blue/Purple mustard	Field chickweed	Scentless chamomile/mayweed
Broadleaf dock	Field pennycress	Shepherd's-purse
Bur buttercup	Filaree (redstem, Texas)	Slimleaf lambsquarters
Bushy wallflower/Treacle mustard	Flixweed	Smallflower buttercup
Canada thistle ^{1,2}	Green smartweed	Smallseed falseflax
Carolina geranium ²	Henbit	Stinking chickweed
Catchweed bedstraw ²	Kochia ¹	Stinking mayweed/dogfeniel
Clasping pepperweed	Ladysthumb	Swinecress
Coast fiddleneck	Lanceleaf sage ¹	Tansymustard
Common buckwheat	London rocket	Tarweed fiddleneck
Common chickweed	Mallow (common, little) ²	Tumble/Jim Hill mustard
Common cocklebur ¹	Marshelder	Vetch (common, hairy) ^{1,2}
Common groundsel	Mayweed chamomile	Volunteer lentils
Common lambsquarters	Miners lettuce	Volunteer peas
Common radish	Narrowleaf lambsquarters	Volunteer sunflower
Common ragweed ¹	Nightflowering catchfly	Wild buckwheat ¹
Common sunflower	Nightshade (cutleaf, hairy) ²	Wild chamomile
Corn chamomile	Pennsylvania smartweed	Wild garlic ¹
Corn gromwell ¹	Pineappleweed	Wild mustard
Corn spurry	Prickly lettuce ¹	Wild radish ¹
Cowcockle	Prostrate knotweed	
Cress (mouse-ear)	Prostrate pigweed	

1. See the SPECIFIC WEED PROBLEMS - CEREALS section below for more information.

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2. Partial control: a visual reduction of weed population as well as a significant loss of vigor. For better results, use the highest recommended rate of **Involve™ Herbicide** per acre and include a tank-mix partner such as 2,4-D, MCPA, bromoxynil, or dicamba (refer to the TANK MIXTURES IN CEREALS section of this label for more information).

SPECIFIC WEED PROBLEMS - CEREALS

Canada thistle: For control in wheat, barley and triticale, apply **Involve™ Herbicide** in the spring at 0.6 oz per acre plus surfactant when all thistles are 4" to 8" tall with 2" to 6" of new growth. Control will be improved when **Involve™ Herbicide** is applied in combination with 2,4-D. For control in oat, use 4.0 oz **Involve™ Herbicide** per acre (Refer to the TANK MIXTURES-CEREALS section of this label for more information).

Common cocklebur, Common ragweed, Lanceleaf sage: For control in wheat, barley and triticale, apply **Involve™ Herbicide** at 0.4 to 0.5 oz per acre in combination with 2,4-D at rates from 1/4 to 3/8 lb active ingredient per acre (ester formulations work best) when weeds are small and actively growing. When using 1/4 lb active ingredient per acre of 2,4-D, be sure to add surfactant at the rate of 0.5 to 1 pt per 100 gal of spray solution (0.06 to 0.125% v/v). Use the higher rate when weeds are under stress conditions. For control in oat, use 4.0 oz **Involve™ Herbicide** per acre plus 2,4-D (Refer to the TANK MIXTURES IN CEREALS section of this label for more information).

Corn gromwell, Wild buckwheat: For control in wheat, barley and triticale, use 0.5 to 0.6 oz **Involve™ Herbicide** per acre plus surfactant.

Kochia, Russian thistle, Prickly lettuce: Naturally occurring resistant biotypes of these weeds are known to occur. For best results, use **Involve™ Herbicide** in a tank mixture with dicamba (such as Banvel, Banvel SGF or Clarity) and 2,4-D; or Bromoxynil (such as Buctril) and 2,4-D (3/4 to 1 pt Buctril per acre + 1/4 to 3/8 lb active ingredient per acre 2,4-D ester). **Involve™ Herbicide** should be applied in the spring when weeds are less than 2" tall or 2" across and are actively growing (refer to the TANK MIXTURES IN CEREALS section of this label for more information).

Vetch (common and hairy): For control in wheat, barley and triticale, use 0.5 to 0.6 oz of **Involve™ Herbicide** per acre plus surfactant when vetch is less than 6" in length. For severe infestations of vetch, or when vetch is greater than 6" in length, use **Involve™ Herbicide** in combination with 2,4-D or MCPA. For control in oat, use 0.4 oz **Involve™ Herbicide** per acre plus 2,4-D or MCPA (Refer to the TANK MIXTURES IN CEREALS section of this label for more information).

Wild garlic: For control in wheat, barley and triticale, use 0.5 to 0.6 oz of **Involve™ Herbicide** per acre plus surfactant when wild garlic plants are less than 12" tall with 2" to 4" of new growth. For severe infestations, use the 0.6 oz per acre rate of **Involve™ Herbicide**. Plants hardened-off by cold weather and/or drought stress may be more difficult to control. Thorough spray coverage of all garlic plants is essential. Typical symptoms of dying garlic plants may not be noticeable for 2 to 5 weeks. For control in oat, use 0.4 oz of **Involve™ Herbicide** per acre plus 2,4-D or MCPA (Refer to the TANK MIXTURES IN CEREALS section of this label for more information).

Wild radish: For best results in wheat, barley and triticale, apply 0.4 to 0.6 oz **Involve™ Herbicide** per acre plus surfactant either in the fall or spring to wild radish rosettes less than 6" in diameter. Applications made later than 30 days after weed emergence will result in partial control. For increased control of severe wild radish infestations, or wild radish emerged greater than 30 days, apply **Involve™ Herbicide** at 0.3 oz per acre in combination with MCPA at 1/4 lb active ingredient per acre. When tank-mixing with MCPA, add surfactant at 2 pt per 100 gal of spray solution (0.25% v/v). Fall applications should be made prior to hardening off of plants. For control in oat, use 0.4 oz of **Involve™ Herbicide** per acre plus 2,4-D or MCPA (Refer to the TANK MIXTURES IN CEREALS section of this label for more information).

USE DIRECTIONS AND LIMITATIONS FOR INVOLVE™ HERBICIDE WHEN APPLIED FOR POSTEMERGENT WEED CONTROL IN FALLOW AND FOR PRE-PLANT BURNDOWN WEED CONTROL

CROP/USE	RATE (OZ/ACRE)	COMMENTS
Fallow	0.3 – 0.6	<ul style="list-style-type: none"> Involve™ Herbicide may be used as a fallow treatment in the spring or fall when the majority of weeds have emerged and are actively growing. Two applications may be made provided the total amount of Involve™ Herbicide applied does not exceed 1.0 oz per acre per crop season. Involve™ Herbicide should be tank-mixed with other herbicides that are registered for use in fallow such as 2,4-D (ester formulations work best), dicamba, glyphosate plus 2,4-D or, glyphosate plus dicamba. For tank mixtures, read and follow all manufacturers' label recommendations for the companion herbicide. If those recommendations conflict with this label, do not tank-mix the herbicide with Involve™ Herbicide.
Pre-Plant Burndown – Cereals (Wheat, including Durum, Barley, Triticale and Oat) *	0.3 – 0.6	<ul style="list-style-type: none"> Involve™ Herbicide may be used as a burndown treatment to wheat (including durum), barley, triticale and oat to control emerged weeds prior to, or shortly after planting (prior to emergence). Make applications when the majority of weeds have emerged and are actively growing.
Pre-Plant Burndown – Cotton *	0.3 – 0.5	<ul style="list-style-type: none"> Involve™ Herbicide may be used as a burndown treatment to cotton as long as there are at least 14 days between application and planting of cotton. Include a nonionic surfactant, petroleum based crop oil concentrate, or vegetable-seed oil-based product (methylated seed oils are considered a

		<ul style="list-style-type: none"> vegetable seed-based oil). If another herbicide is tank-mixed with Involve™ Herbicide to increase the broadleaf weed spectrum, select surfactants based on the surfactant limitations of the companion herbicide.
Pre-Plant Burndown – Sugarbeets, Winter Rape and Canola *	0.3 – 0.6	<ul style="list-style-type: none"> Apply Involve™ Herbicide as a burndown treatment to sugarbeets, winter rape and canola as long as there are at least 60 days between application of Involve™ Herbicide and planting of sugarbeets, winter rape and canola.
Pre-Plant Burndown – Any other crop such as corn, rice, grain sorghum or soybeans *	0.3 – 0.6	<ul style="list-style-type: none"> Apply Involve™ Herbicide as a burndown treatment to any other crop (such as corn, rice, grain sorghum or soybeans). Allow at least 45 days between application of Involve™ Herbicide and planting of any other crop (such as corn, rice, grain sorghum or soybeans). Sequential treatments of Involve™ Herbicide may also be made provided the total amount of Involve™ Herbicide applied during one fallow/pre-plant cropland season does not exceed 1.0 oz per acre (i.e., 0.5 oz in the fall followed by 0.5 oz in the spring). Use the high rate per acre when the weed infestation is heavy and predominantly consists of those weeds listed under WEEDS CONTROLLED OR PARTIALLY CONTROLLED – ALL USES, or when application timing and environmental conditions are marginal. (See the CROP ROTATION section of this label for restriction on planting intervals).

* **Involve™ Herbicide** may be used as a pre-plant burndown treatment alone or tank-mixed with other herbicides that are registered for use as a pre-plant burndown product, such as dicamba, glyphosate plus 2,4-D or glyphosate plus dicamba. Read and follow all manufacturers' label recommendations for the companion herbicide. If those recommendations conflict with this label, follow the most restrictive labeling (such as planting interval after application), or do not tank-mix the herbicide with **Involve™ Herbicide**.

POSTEMERGENCE WEED CONTROL IN CEREALS

CROP SPECIFIC USE DIRECTIONS AND LIMITATIONS FOR POSTEMERGENCE USE OF INVOLVE™ HERBICIDE IN CEREALS

CROP/USE	RATE (OZ/ACRE)	COMMENTS
Wheat (including Durum), Barley and Triticale	0.3 – 0.6	<ul style="list-style-type: none"> Make applications after the crop is in the 2-leaf stage, but before the flag leaf is visible. Two applications of Involve™ Herbicide may be made provided the total amount applied does not exceed 1.0 oz per acre per crop season. Apply 0.3 to 0.4 oz for light infestation of the weeds listed WEEDS CONTROLLED OR PARTIALLY CONTROLLED – ALL USES. Conditions at application should be optimum for effective treatment of these weeds. Do not exceed 1.0 oz per acre per crop season of Involve™ Herbicide. Use 0.5 oz of Involve™ Herbicide per acre for heavy infestation of the weeds listed as partial control under WEEDS CONTROLLED OR PARTIALLY CONTROLLED – ALL USES. Use 0.6 oz of Involve™ Herbicide per acre for heavy infestation of the weeds listed as partial control under WEEDS CONTROLLED OR PARTIALLY CONTROLLED – ALL USES when application timing and environmental conditions are marginal (refer to MODE OF ACTION for best performance).
Oat (Spring and Winter)	0.3 - 0.4	<ul style="list-style-type: none"> In winter oats, make application after the crop is in the 2-leaf stage, but before the flag leaf is visible. In spring oats, make applications after the crop is in the 3-leaf stage, but before jointing. Do not use on Ogle®, Porter® or Premier® varieties as crop injury can occur. Do not make more than one application of Involve™ Herbicide per crop season on oat.

TANK MIXTURES IN CEREALS

Involve™ Herbicide may be tank-mixed with other suitable registered herbicides to control weeds listed as suppressed, weeds resistant to **Involve™ Herbicide** or weeds not listed under WEEDS CONTROLLED OR PARTIALLY CONTROLLED – ALL USES section of this label. Read and follow all manufacturers' label recommendations for the companion herbicide. If those recommendations conflict with this label, do not tank-mix the herbicide with **Involve™ Herbicide**.

Involve™ Herbicide can also be tank-mixed with registered fungicides, insecticides, or liquid fertilizer for use on wheat, barley, triticale, oat, or fallow.

SPECIFIC USE DIRECTIONS FOR TANK-MIXTURES IN CEREALS WITH INVOLVE™ HERBICIDE

TANK-MIXTURES	COMMENTS
With 2,4-D (amine or ester) or MCPA (amine or ester) *	<ul style="list-style-type: none"> - For use on wheat, barley, triticale and oat, Involve™ Herbicide may be tank-mixed with the amine and ester formulations of 2,4-D and MCPA herbicides. - For best results in the Red River Valley and adjacent areas of ND and MN, add the ester formulations of 2,4-D or MCPA herbicides to the tank at a rate of 3/8 lb active ingredient per acre (such as 3/4 pt of a 4 lb/gal product or 1/2 pt of a 6 lb/gal product). No additional surfactant is needed with this mixture. - For best results in other areas, add the ester formulations of 2,4-D or MCPA herbicides to the tank at rates of 1/4 to 3/8 lb active ingredient per acre (such as 1/2 to 3/4 pt of a 4 lb/gal product or 1/3 to 1/2 pt of a 6 lb/gal product). Surfactant may be added to the mixture at 1 to 2 pt per 100 gal of spray solution (0.125 to 0.25% v/v); however, adding surfactant may increase the potential for crop injury, especially at the higher phenoxy rates. - Higher rates of 2,4-D or MCPA may be used, but do not exceed the highest rate allowed by those respective labels.
With Dicamba (such as Banvel, Banvel SGF or Clarity) *	<ul style="list-style-type: none"> - Involve™ Herbicide may be tank-mixed with dicamba at rates of 1/16 to 1/8 lb active ingredient per acre (such as 2 to 4 fl oz Banvel, 4 to 8 fl oz Banvel SGF, or 2 to 4 fl oz Clarity). Higher rates should be used when the weed infestation is heavy. Surfactant may be added to the mixture at 1 to 2 pt per 100 gal of spray solution (0.125 to 0.25% v/v); however, adding surfactant may increase the potential for crop injury. - Refer to the specific dicamba product label for application timing and restrictions. Tank mixes of Involve™ Herbicide plus dicamba may result in reduced control of some broadleaf weeds.
With 2,4-D (amine or ester) and Banvel or Clarity *	<ul style="list-style-type: none"> - Involve™ Herbicide may be applied in a 3-way tank-mix with formulations of dicamba and 2,4-D. Make application of Involve™ Herbicide + 1/16 to 1/8 lb active ingredient per acre dicamba (such as 2 to 4 fl oz Banvel, 4 to 8 fl oz Banvel SGF, or 2 to 4 fl oz Clarity) + 1/4 to 3/8 lb active ingredient 2,4-D ester or amine per acre. Higher rates should be used when the weed infestation is heavy. - Surfactant may be added to the mixture at 1 to 2 pt per 100 gal of spray solution (0.125 to 0.25% v/v); however, adding surfactant may increase the potential for crop injury. - Consult the specific 2,4-D label, dicamba label, or local recommendations for more information and restrictions. - Apply this 3-way combination to winter wheat and winter oat after the crop starts tillering and prior to jointing (first node). - In Spring Wheat (including durum) and Spring oat, apply this 3-way combination after the crop starts tillering and before it exceeds the 5-leaf stage. - In Spring Barley, apply this 3-way combination after the crop starts tillering and before it exceeds the 4-leaf stage.
With bromoxynil (such as Buctril, Bronate®, Bronate® Advanced, or Rhino)*	<ul style="list-style-type: none"> - Involve™ Herbicide may be tank-mixed with bromoxynil containing herbicides registered for use on wheat, barley, triticale, or fallow. For best results, add bromoxynil containing herbicides to the tank at rates of 3/16 to 3/8 lb active ingredient per acre (such as Bronate or Buctril at 3/4 to 1 1/2 pt per acre). - Tank-mixes of Involve™ Herbicide plus Buctril may result in reduced control of Canada thistle.
With EXPRESS® or EXPRESS® XP Herbicide *	<ul style="list-style-type: none"> - Involve™ Herbicide may be tank-mixed with EXPRESS or EXPRESS XP based on local recommendations.
With Valuron®, ALLY® or ALLY® XP Herbicide *	<ul style="list-style-type: none"> - Involve™ Herbicide may be tank-mixed with Valuron®, ALLY or ALLY XP based on local recommendations.
With Starane®, Starane® + Salvo®, Starane® + Sword*	<ul style="list-style-type: none"> - Involve™ Herbicide may be tank-mixed with fluroxypyr containing herbicides for improved control of Kochia (2" to 4" tall). Involve™ Herbicide may be tank-mixed with 1/3 to 2/3 pt per acre of Starane, 2/3 to 1 1/3 pt per acre of Starane + Salvo, or 3/4 to 1 1/2 pt per acre of Starane + Sword. - 2,4-D and MCPA herbicides (preferably ester formulations) may be tank-mixed with Involve™ Herbicide + Starane.
With Aim *	<ul style="list-style-type: none"> - For improved control of weeds in wheat, barley and triticale, Involve™ Herbicide can be tank-mixed with Aim Herbicide.
With Stinger®, Curtail®, Curtail® M or WideMatch® *	<ul style="list-style-type: none"> - For improved control of weeds in wheat, barley, and triticale, Involve™ Herbicide may be tank-mixed with Stinger, Curtail, Curtail M or Widematch herbicides
With Other Broadleaf Herbicides *	<ul style="list-style-type: none"> - Tank-mixes of Involve™ Herbicide plus metribuzin may result in reduced control of wild garlic.
With Hoelon® Herbicide *	<ul style="list-style-type: none"> - In winter wheat, Involve™ Herbicide may be used in combination with Hoelon 3EC and Buctril herbicides in accordance with the Hoelon 3EC label. For best results, use the three-way tank-mix of Involve™ Herbicide at 0.4 oz per acre plus Hoelon 3EC at 2 2/3 pt per acre plus Buctril at 1 1/2 pt per acre. This tank-mix should only be used under good

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	<p>soil conditions when wild oat is in the 1 to 4 leaf stage. If conditions are not ideal for the performance of Hoelon 3EC, wild oat control may be reduced. Be sure to follow all warnings and cautions on the Hoelon 3EC and Buctril labels.</p>
With Assert [®] Herbicide or Avenge [®] Herbicide *	<ul style="list-style-type: none"> - Involve™ Herbicide can be tank-mixed with Avenge or Assert. When tank-mixing Involve™ Herbicide with Assert, always include another broadleaf weed herbicide with a different mode of action (e.g., 2,4-D ester, MCPA ester, or bromoxynil). Applications of Involve™ Herbicide plus Assert may cause temporary crop discoloration, stunting, or injury when heavy rainfall occurs shortly after application.
With Discover [®] NG or With Everest [®] *	<ul style="list-style-type: none"> - Involve™ Herbicide can be tank-mixed with Discover NG or Everest herbicides for improved control of weeds in spring wheat.
With Maverick [®]	<ul style="list-style-type: none"> - Involve™ Herbicide can be tank-mixed with Maverick herbicide for improved control of weeds in wheat.
With Puma [®] *	<ul style="list-style-type: none"> - Involve™ Herbicide can be tank-mixed with Puma 1EC for control of some annual grass weeds. This tank-mix may also include MCPA ester, bromoxynil or bromoxynil/MCPA, Starane, or Starane + Sword for a greater spectrum of broadleaf control. - Refer to the Puma 1EC label for specific use directions and restrictions on tank-mixes.
With other grass control products *	<ul style="list-style-type: none"> - Tank mixtures of Involve™ Herbicide and grass control products may result in poor grass control. Consult your agricultural dealer, applicator, state Cooperative Extension Service, or MANA representative as to the potential for antagonism before using the mixture. - If no information is available, limit the initial use of Involve™ Herbicide and the grass control product to a small area.
With Insecticides or Fungicides *	<ul style="list-style-type: none"> - Involve™ Herbicide may be tank-mixed or used sequentially with insecticides (or fungicides) registered for use on cereal grains. However, under certain conditions (drought stress, or if the crop is in the 2- to 4-leaf stage), tank-mixes or sequential applications of Involve™ Herbicide with organophosphate insecticides may produce temporary crop yellowing or, in severe cases, crop injury. Test these mixtures in a small area before treating large areas. Review all insecticide and fungicide labels for restrictions on tank mixtures. - Do not apply Involve™ Herbicide plus Malathion, as crop injury will result.
With Liquid Nitrogen Solution Fertilizer *	<ul style="list-style-type: none"> - Liquid nitrogen fertilizer solutions may be used as a carrier for Involve™ Herbicide in place of water. - It is important to conduct a tank-mix compatibility test before mixing Involve™ Herbicide in a liquid nitrogen fertilizer solution. Involve™ Herbicide must first be slurried with water and then added to liquid nitrogen solutions (e.g., 28-0-0, 32-0-0). Ensure that the agitator is running while the Involve™ Herbicide is added. Use of this mixture may result in temporary crop yellowing and stunting. - If a low rate of liquid nitrogen fertilizer is used in the spray solution (less than 50% of the spray solution volume), add a surfactant at 0.5 to 2 pt per 100 gal of spray solution (0.06 to 0.25% v/v) based on local recommendations. - If a high rate of liquid nitrogen fertilizer is used in the spray solution, adding surfactant increases the risk of crop injury. Consult your agricultural dealer, crop consultant or MANA representative for a specific recommendation before adding an adjuvant to these tank mixtures. - If 2,4-D or MCPA is included with Involve™ Herbicide and fertilizer mixture, ester formulations tend to be more compatible (see manufacturers' label). Additional surfactant is not needed when using Involve™ Herbicide in tank-mix with 2,4-D ester or MCPA ester and liquid nitrogen fertilizer solutions. - Do not use low rates of liquid nitrogen fertilizer solution as a substitute for a surfactant. - Do not use with liquid fertilizer solutions with a pH less than 3.0. - Beware that in certain areas east of the Mississippi River where cold temperatures or widely fluctuating day/night temperatures exist, unacceptable crop response may occur with use of straight or dilute nitrogen fertilizer carrier solutions. In these areas consult your agricultural dealer, crop consultant or MANA representative for a specific recommendation before using nitrogen fertilizer carrier solutions. - Liquid nitrogen fertilizer solutions that contain sulfur can increase crop response.

* Read and follow all manufacturers' label instructions for companion products including use restrictions, labeled crops, rotational cropping recommendations, sprayer cleanup, use precautions and other information. The most restrictive provisions on any label will apply. If any of those recommendations conflict with this label, follow the most restrictive labeling, or do not tank-mix the herbicide with **Involve™ Herbicide**.

USE OF INVOLVE™ HERBICIDE ON IMAZETHAPYR TOLERANT CANOLA AND CDC TRIFFID FLAX

Involve™ Herbicide may be used in the states of ND, MN and MT for postemergence weed control in Imazethapyr Tolerant Canola (i.e., canola varieties with the SMART™ trait) and CDC Triffid Flax (i.e., flax varieties with the Freedom™ trait).

CROP/USE	RATE (OZ/ACRE)	COMMENTS
Imazethapyr Tolerant Canola (i.e., canola varieties with the SMART™ trait)	0.3	<ul style="list-style-type: none"> - For use in the states of MN, ND and MT only. Apply Involve™ Herbicide to Imazethapyr Tolerant Canola when it is in the 3- to 6-leaf stage of growth but prior to beginning of bolting. - Add a nonionic surfactant having at least 80% active ingredient strength at 2 pt per 100 gal of spray solution (0.25% v/v). - Temporary crop yellowing may be observed shortly after application of Involve™ Herbicide, especially when applied to crops growing under environmentally stressful conditions (See Precautions). - A tank mixture of 0.3 oz per acre of Involve™ Herbicide plus ASSURE® II may be applied for the control of annual grasses as well as broadleaf weeds; Review the EPA approved ASSURE II label for use rates, weed size, precautions, and restrictions. <p>Precautions</p> <ul style="list-style-type: none"> - Applications of Involve™ Herbicide prior to the 3-leaf stage of Imazethapyr Tolerant Canola could result in crop injury. - Avoid application to Imazethapyr Tolerant Canola fields in which germination is uneven (some plants outside the recommended leaf stage for applications), as crop injury may result. - Under certain environmentally stressful conditions (such as heavy rainfall, prolonged cool or hot weather, frost conditions, wide fluctuations in day/night temperatures), temporary lightening in crop color and occasionally a slight reduction in crop height may occur. - Applications to Imazethapyr Tolerant Canola that are or have been stressed prior to application by severe weather conditions, frost, low fertility, drought, water saturated soil, disease or insect damage, may result in crop injury. Applications to Imazethapyr Tolerant Canola if the above stress conditions are expected within 3 days after application, may also result in crop injury. - Application of the Involve™ Herbicide plus ASSURE II tank mixture on Imazethapyr Tolerant Canola may cause a delay in flowering. <p>Restrictions</p> <ul style="list-style-type: none"> - Do not apply to Non-Imazethapyr Tolerant Canola (i.e., canola varieties that DO NOT contain the Smart™ Trait) as severe crop injury or death of the plant may occur. <p>Important: Before using Involve™ Herbicide in a tank mixture with ASSURE II Herbicide, read and follow all applicable directions, restrictions and precautions on the EPA registered label of the companion product.</p>
CDC Triffid Flax (i.e., flax that contains the Freedom™ trait).	0.3	<ul style="list-style-type: none"> - For use only in the states of MN, ND and MT on CDC Triffid flax. - Apply Involve™ Herbicide to CDC Triffid Flax after it has reached 1/2 inch in height up to the pre-bud stage. Add a nonionic surfactant having at least 80% active strength at 2 pt per 100 gal spray solution (0.25% v/v). - Temporary crop yellowing may be observed shortly after application of Involve™ Herbicide, especially when applied to crops growing under environmentally stressful conditions (See Precautions). <p>Precautions</p> <ul style="list-style-type: none"> - Application of Involve™ Herbicide prior to CDC Triffid Flax crop reaching a height of 1/2 inch could result in crop injury. - Do not apply Involve™ Herbicide to CDC Triffid Flax fields in which germination is uneven (some plants outside the recommended leaf stage for application), as crop injury may result. - Under certain environmentally stressful conditions (such as heavy rainfall, prolonged cool or hot weather, frost conditions, wide fluctuations in day/night temperatures), temporary lightening in crop color and occasionally a slight reduction in crop height may occur. - Applications to CDC Triffid Flax that are or have been stressed prior to application by severe weather conditions, frost, low fertility, drought, water saturated soil, disease or insect damage, may result in crop injury. Applications to CDC Triffid Flax if the above stress conditions are expected within 3 days after application may also result in crop injury. <p>Restrictions</p> <ul style="list-style-type: none"> - Only apply to flax that contains the Freedom™ trait. Involve™ Herbicide will

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severely damage flax varieties that do not contain the Freedom™ trait.

SPRINKLER CHEMIGATION WITH INVOLVE™ HERBICIDE AND BRONATE FOR POSTEMERGENCE WEED CONTROL IN WINTER & SPRING WHEAT & SPRING BARLEY IN IDAHO

Apply **Involve™ Herbicide** at 0.4 to 0.5 oz per acre in combination with 3/4 to 1 1/2 pint Bronate per acre. Apply to wheat, barley, and triticale after the 3-leaf stage, but before the flag leaf is visible. Make only one chemigation application of this tank mixture per crop year. For best results, apply to broadleaf weeds up to the 4-leaf stage, or 2" in height, or 1" in diameter, whichever comes first. In addition to the weeds controlled or partially controlled on the **Involve™ Herbicide** label, consult the Bronate package label for additional weeds that may be controlled/suppressed.

Sprinkler Irrigation Application

Apply this tank-mix through sprinkler irrigation systems including center pivot, lateral move, side (wheel) roll, solid set or hand move irrigation systems only. Do not apply these herbicides through any other type of irrigation system.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from nonuniform distribution of treated water. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts. **Do not connect an irrigation system (including greenhouse systems) used for Involve™ Herbicide application to any public water system.** A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

The sprinkler chemigation system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock. Do not apply when wind speed favors drift beyond the area intended for treatment.

Specific Requirements for Application Through Sprinkler Irrigation Systems

1. In center pivot and continuous lateral move systems, **Involve™ Herbicide** + Bronate should be applied continuously for the duration of the water application. In solid set systems, application of the tank-mix should be made during the last 30 to 45 minutes of the irrigation set.
2. Set the sprinkler system to deliver approximately 0.5" or less of water per acre for best product performance.
3. Fill the supply tank with half of the water amount desired, add the **Involve™ Herbicide** and agitate it well. Add the Bronate and then add the remaining water amount with agitation. Bronate requires a dilution with at least 4 parts water to 1 part Bronate.
4. Agitation is recommended in the pesticide supply tank when applying this tank-mix.
5. The use of a surfactant is not recommended with this tank-mix application.
6. Inject the **Involve™ Herbicide** + Bronate solution at least 8 ft ahead of a right angle turn of irrigation pipe to insure adequate mixing. Allow sufficient time for the herbicide mixture to be flushed through the lines before turning off irrigation water.
7. Follow the **Involve™ Herbicide** and Bronate label instructions for spray tank cleanout both before and after application. Flush lines with clean water following application.
8. Do not apply when wind speed favors drift beyond the area intended for treatment. Avoiding spray drift is the responsibility of the applicator.

CROP ROTATION

Crops may be planted at specified time intervals following application of labeled rates of **Involve™ Herbicide**. Use the time intervals listed below to determine the required time interval before planting.

**Time Interval before Planting*
(days after treatment with Involve™ Herbicide)**

Crop	Days
Wheat (including durum), Barley, Triticale and Oat	0
Cotton	14
Sugarbeets, Winter Rape, and Canola	60
Any other crop	45

*Refer to individual product labels to determine rotational crop restrictions when tank mixtures are used.

GENERAL PRECAUTIONS AND RESTRICTIONS

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

- Do not apply, drain or flush equipment on or near desirable trees or other plants, or on areas where their roots may extend, or in locations where the chemical may be washed or moved into contact with their roots.
- Do not use on lawns, walks, driveways, tennis courts, or similar areas. Prevent drift of spray to desirable plants.
- Take all necessary precautions to avoid all direct or indirect contact (such as spray drift) with non-target plants or areas.
- Carefully observe all sprayer cleanup instructions both prior to and after using **Involve™ Herbicide**, as spray tank residue may damage crops other than wheat, barley, oats, and triticale.

Wheat, barley, oats, and triticale may differ in their response to various herbicides. Consult your crop consultant, state experiment station, or Cooperative Extension Service as to the sensitivity to any herbicide. If no information is available, limit the initial use of **Involve™ Herbicide** to a small area.

Under certain conditions, such as heavy rainfall, prolonged cold weather (daily high temperature less than 50°F), or wide fluctuations in day/night temperatures prior to or soon after **Involve™ Herbicide** application, temporary discoloration and/or crop injury may occur. To reduce the potential for crop injury, tank-mix **Involve™ Herbicide** with 2,4-D (ester formulations perform best) and apply after the crop is in the tillering stage of growth (See the TANK MIXTURES IN CEREALS section of this label for more information).

Involve™ Herbicide should not be applied to wheat, barley, oats, and triticale that is stressed by severe weather conditions, drought (including low levels of subsoil moisture), low fertility, water-saturated soil, disease, or insect damage, as crop injury may result. Risk of injury is greatest when crop is in the 2- to 5-leaf stage. Severe winter stress, drought, disease, or insect damage following application also may result in crop injury.

Dry, dusty field conditions may result in reduced control in wheel track areas.

Specific Use Restrictions

1. Do not apply **Involve™ Herbicide** to any other crop other than registered crops of wheat, barley, oat, triticale, fallow, Imazethapyr Tolerant Canola (in ND, MN and MT), or CDC Triffid Flax (in ND, MN and MT).
2. Do not apply **Involve™ Herbicide** to wheat, barley, oats, and triticale underseeded with another crop.
3. Do not graze fields treated with **Involve™ Herbicide** or feed treated forage or hay. Harvested straw may be used for bedding and/or feed.
4. Do not harvest sooner than 45 days after the last application of **Involve™ Herbicide**.
5. Do not exceed a maximum of 0.4 oz **Involve™ Herbicide** per acre to any one crop during one growing season for oat (spring and winter), and 1.0 oz product per acre applied to any one crop during one growing season for wheat (including durum), barley, and triticale.
6. Do not apply **Involve™ Herbicide** by air in the state of NY.

STORAGE AND DISPOSAL

Do not contaminate water, foodstuffs, feed, or seed by storage or disposal.

PESTICIDE STORAGE: Store product in original container only.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Nonrefillable Container (flexible-bag-all weights): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Dispose of sack in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Nonrefillable Container (rigid-fifty lbs. or less): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Nonrefillable Container (rigid-greater than fifty lbs.): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Offer for recycling.

Refillable Container: Refillable container. Refill this container with thifensulfuron-methyl and tribenuron-methyl only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

FOR 24-HOUR EMERGENCY ASSISTANCE (SPILL, LEAK, OR FIRE), CALL INFOTRAC AT 1-800-535-5053.

LIMITATION OF WARRANTY AND LIABILITY

Read the entire directions for use, conditions of warranties and limitations of liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following **CONDITIONS, DISCLAIMER OF WARRANTIES** and **LIMITATIONS OF LIABILITY**.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Makhteshim Agan of North America, Inc. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, Makhteshim Agan of North America, Inc. makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond the statements made on this label. No agent of Makhteshim Agan of North America, Inc. is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, Makhteshim Agan of North America, Inc. disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use or handling of this product.

LIMITATIONS OF LIABILITY: To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid or at Makhteshim Agan of North America, Inc.'s election, the replacement of product.

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Involve™ Herbicide (66222-xxx) (to EPA 09-30-08)

