

SUPPLEMENTAL LABELING



REQUIREMENTS OF ATRAZINE MEMORANDUM OF AGREEMENT

USE REQUIREMENTS FOR ATRAZINE-CONTAINING PRODUCTS

STOP! Use requirements in this supplemental labeling supersede the requirements specified on labeling attached to the product containers of all atrazine-containing products, unless existing product labeling or state/local requirements are more restrictive. Refer to Appendix 1 at end of this supplemental labeling for a listing of Registered Products to which the following requirements apply:

RESTRICTED USE PESTICIDE:

Any product that contains greater than 4% atrazine active ingredient is Restricted Use.

RESTRICTED USE PESTICIDE

Due to ground and surface water concerns. For retail sale to and use only by Certified Applicators or persons under their direct supervision, and only for those uses covered by the Certified Applicators' certification.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS

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 resistant category selection chart.

- Liquid Products, Wettable Powders and Dry Solubles packaged in water soluble packets:**
 - Mixers, loaders, applicators, flaggers and other handlers must wear:
 - Long-sleeve shirt and long pants; shoes plus socks, chemical-resistant gloves such as polyethylene or polyvinyl chloride, and chemical resistant apron when mixing/loading, cleaning up spills, cleaning equipment, or otherwise exposed to the concentrate.
 - Applicators using spray equipment mounted on their backs must wear:
 - Coveralls over long-sleeve shirt and long pants; chemical-resistant footwear plus socks, chemical-resistant gloves such as polyethylene or polyvinyl chloride.
- Wettable Powders:**
 - Water-soluble packaging is required.
 - See above for personal protective equipment requirements.
- Dry Flowables & Water Dispersible Granules:**
 - Water-soluble packaging optional.
 - If in water-soluble packaging, see above for personal protective requirements.
 - If not in water-soluble packaging, mixers/loaders, cleaners of equipment or spills, and other handlers exposed to the concentrate must wear: Coveralls over long-sleeve shirt and long pants, chemical-resistant gloves such as polyethylene or polyvinyl chloride, chemical-resistant footwear plus socks, and chemical-resistant apron plus a NIOSH-approved dust/mist filtering respirator with any N, R, P, or HE filter or a NIOSH-approved dust/mist filtering respirator with approval number prefix TC-21C.
 - If not in water-soluble packaging, applicators and other handlers exposed to the diluted product must wear: long-sleeve shirt and long pants, shoes plus socks, and chemical-resistant gloves such as polyethylene or polyvinyl chloride.
 - Applicators using spray equipment mounted on their backs must wear: coveralls over long-sleeve shirt and long pants, chemical-resistant footwear plus socks, chemical-resistant gloves such as polyethylene or polyvinyl chloride.
 - If not in water-soluble packaging, aerial application is prohibited.
- Granular Products:**
 - Applicators and other handlers must wear: Long-sleeved shirt, long pants, shoes, and socks.

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

ENGINEERING CONTROLS

Mixers and loaders supporting aerial applications at a rate greater than 3 lbs. ai/A must use a closed system that meets the requirements for dermal protection listed in 40 CFR 170.240(d)(4) and must: wear the personal protective equipment required for mixers and loaders; wear protective

eyewear if the system operates under pressure; and be provided and have immediately available chemical resistant footwear for use in an emergency, such as a spill or equipment breakdown.

Pilots must use an enclosed cockpit as defined in 40 CFR 170.240(d)(6) for aerial applications. Pilots must wear the PPE required on this labeling for applicators; however, they need not wear chemical-resistant gloves when using an enclosed cockpit.

Human flaggers supporting aerial applications must use enclosed cabs as defined in 40 CFR 170.240(d)(5).

Water soluble packets when used correctly qualify as a closed mixing/loading system under 40 CFR 170.240(d)(4). Mixers and loaders using water soluble packets must: wear the personal protective equipment required on this labeling for mixers and loaders; and be provided and have immediately available chemical resistant footwear for use in an emergency, such as a broken package, spill, or equipment breakdown.

USER SAFETY RECOMMENDATIONS

- Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

Atrazine can travel (seep or leach) through soil and can enter ground water which may be used as drinking water. Atrazine has been found in ground water. Users are advised not to apply atrazine to sand and loamy sand soils where the water table (ground water) is close to the surface and where these soils are very permeable; i.e., well-drained. Your local agricultural agencies can provide further information on the type of soil in your area and the location of ground water.

Product must not be mixed or loaded, or used within 50 feet of all wells, including abandoned wells, drainage wells, and sink holes. Operations that involve mixing, loading, rinsing, or washing of this product into or from pesticide handling or application equipment or containers within 50 ft. of any well are prohibited, unless conducted on an impervious pad constructed to withstand the weight of the heaviest load that may be positioned on or moved across the pad. Such a pad shall be designed and maintained to contain any product spills or equipment leaks, container or equipment rinse or wash water, and rain water that may fall on the pad. Surface water shall not be allowed to either flow over or from the pad which means the pad must be self-contained. The pad shall be sloped to facilitate material removal. An unroofed pad shall be of sufficient capacity to contain at a minimum 110% of the capacity of the largest pesticide container or application equipment on the pad. A pad that is covered by a roof of sufficient size to completely exclude precipitation from contact with the pad shall have a minimum containment of 100% of the capacity of the largest pesticide container or application equipment on the pad. Containment capacities as described above shall be maintained at all times. The above-specified minimum containment capacities do not apply to vehicles when delivering pesticide to the mixing/loading sites.

Additional State imposed requirements regarding well-head setbacks and operational area containment must be observed.

Product must not be mixed or loaded within 50 feet of intermittent streams and rivers, natural or impounded lakes and reservoirs. Product must not be applied within 66 feet of points where field surface water runoff enters perennial or intermittent streams and rivers or within 200 feet of natural or impounded lakes and reservoirs. If this product is applied to highly erodible land, the buffer or setback from runoff entry points must be planted to crop, or seeded with grass or other suitable crop.

This pesticide is toxic to aquatic invertebrates. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from treated areas. Runoff and drift from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when cleaning equipment or disposing of equipment wash water.

One of the following restrictions must be used in applying Atrazine to tile outletted fields containing standpipes:

- ◆ Do not apply within 66 feet of standpipes in tile-outletted fields.
- ◆ Apply this product to the entire tile-outletted field and immediately incorporate it to a depth of 2-3 inches in the entire field.
- ◆ Apply this product to the entire tile-outletted field under a no-till practice only when a high crop residue management practice is practiced. High crop residue management is described as a crop management practice where little or no crop residue is removed from the field during and after crop harvest.

DIRECTIONS FOR USE

ANY USE OF THIS PRODUCT IN AN AREA WHERE USE IS PROHIBITED IS A VIOLATION OF FEDERAL LAW. Before using this product, you must consult the Atrazine Watershed Information Center (AWIC) to determine whether the use of this product is prohibited in your watershed. AWIC can be accessed through www.atrazine-watershed.info, or 1-866-365-3014. If use of this product is prohibited in your watershed, you may return this product to your point of purchase or contact Makhteshim Agan for a refund. (**Note:** This statement is needed only if product contains greater than 4% active ingredient)

AGRICULTURAL USE REQUIREMENTS

Do not enter or allow 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
- shoes plus socks
- chemical-resistant gloves made of any waterproof material

NONAGRICULTURAL USE REQUIREMENTS

- **When applied as spray:** DO NOT ALLOW PEOPLE OR PETS TO ENTER THE TREATED AREA UNTIL SPRAYS HAVE DRIED.
- **When applied dry:** DO NOT ENTER OR ALLOW OTHERS TO ENTER UNTIL DUSTS HAVE SETTLED.
- **When applied as a solid (i.e. granular) and watered-in:** DO NOT ENTER OR ALLOW OTHERS (INCLUDING CHILDREN OR PETS) TO ENTER THE TREATED AREAS (EXCEPT THOSE INVOLVED IN THE WATERING) UNTIL THE WATERING-IN IS COMPLETE AND THE SURFACE DRY.
- **If soil incorporation is required after the application:** DO NOT ENTER OR ALLOW OTHERS TO ENTER THE TREATED AREA (EXCEPT THOSE PERSONS INVOLVED IN THE INCORPORATION) UNTIL THE INCORPORATION IS COMPLETE.
- **If the incorporation is accomplished by watering-in:** DO NOT ENTER OR ALLOW OTHERS TO ENTER THE TREATED AREA UNTIL THE SURFACE IS DRY AFTER THE WATERING-IN.

PRECAUTIONS AND RESTRICTIONS

1. Do not apply this product through any type of irrigation system.
2. Aerial application of dry flowable products that are not packaged in water soluble bags is prohibited.
3. Water-soluble packaging is required for wettable powder formulation.
4. Products labeled for any crop listed below must follow the crop specific limitations:

A. Corn and Sorghum

1. For soil applications prior to crop emergence.
 - a. On highly erodible soils (as defined by SCS):
 - If conservation tillage is practiced, leaving at least 30% of the soil covered with plant residues at planting, apply a maximum of 2 lbs. a.i. per acre as a broadcast application.
 - If the soil coverage with plant residue is less than 30% at planting, a maximum of 1.6 lbs. a.i. per acre as a broadcast application may be applied.
 - b. On soils not highly erodible:
 - Apply a maximum of 2 lbs. a.i. per acre as a broadcast application.
2. For post-emergence applications after crop emergence:
 - Post-emergent applications to corn and sorghum must be made before the crop reaches 12 inches in height.
 - If no atrazine was applied prior to corn emergence, apply a maximum of 2 lbs. a.i. per acre broadcast.
3. Where both a pre-emergence and a post-emergence are used, the total atrazine applied in the pre-emergence PLUS post-emergence treatment cannot exceed 2.5 lbs. active ingredient per acre per calendar year.
4. For all tank mixtures and sequential treatment of products containing atrazine, the total lbs. a.i. of atrazine applied cannot exceed 2.5 pounds active ingredient per year.

Pre-harvest Intervals:

1. Field Corn: Do not harvest for forage within 60 days of application.
2. Sweet Corn: Do not harvest for forage within 45 days of application.
3. Sorghum: Do not harvest for forage within 60 days of a pre-emergence application and 45 days of a post-emergent application.

B. Other crops (Maximum application rates):

1. Sugarcane: Single application = 4 lbs. a.i. per acre.
Maximum to any one crop of sugarcane = 10.0 lbs. a.i. per acre.

2. Guava: Single application = 4 lbs. a.i./A. Maximum per year = 8 lb. a.i./A
3. Macadamia Nuts: Single application = 4 lb. a.i./A. Maximum per year = 8 lb. a.i./A.

C. Products with Chemical Fallow Instructions (Maximum application rates):

1. For soils in North and South Dakota with a pH of 7.5 or greater: Labels must reflect the maximum single application rate of 1.5 pounds a.i./acre. Only one application is allowed per season.
2. For soils in North and South Dakota with a pH of less than 7.5, labels must reflect the maximum single application rate of 2 pounds a.i./ acre. Only one application is allowed per season.
3. For all other sites: Labels must reflect the maximum single application rate of 2.25 pounds a.i./ acre. Only one application is allowed per season.

D. Products with Sod Farm Use Instructions (Maximum application rates):

1. For muck or peat soils only: The maximum single application rate is 4 pounds a.i. per acre. A maximum of 6 pounds a.i. may be applied per acre per calendar year.
2. For sand soil only: The maximum single application rate is 2 pounds a.i. per acre. A maximum of 3 pounds a.i. may be applied per calendar year.

E. Conservation Reserve Program (CRP):

1. Do not graze forage or cut forage for hay.
2. Under severe drought conditions, the Conservation Reserve Program allows grazing and making of hay from CRP acres, as so specified by the local Agricultural Stabilization & Conservation Service (ASCS) office.
3. This label does not allow grazing or making of hay from CRP acres that have been treated with atrazine under any circumstances.

F. Dry Bulk Fertilizer Impregnation

1. Impregnation of dry bulk fertilizer is restricted to commercial facilities. On-farm impregnation of dry bulk fertilizer is prohibited.
2. Impregnation of dry bulk fertilizer in commercial facilities is limited to 500 tons per day for no more than 30 days per year.

G. Lawns and Turf (not Sod Farms):

1. The maximum single application rate for liquid formulations on residential lawns and turf is 1 lb. ai/A (liquid products containing >4% ai are restricted use).
2. Granular lawn products must be watered in.
3. Turfgrass at Residential Sites (including home daycare facilities, schools, playgrounds, parks, recreational areas and sports fields): Single application = 1 lb. a.i./A. Maximum per year = 2 lb. a.i./A.

H. Conifers:

Single application = 4 lbs. a.i. per acre.
Maximum per year = 4 lbs. a.i. per acre.

I. Rights-of-Way/Roadsides:

Single application = 1 lb. a.i./A.
Maximum per year = 1 lb. a.i./A.

J. Conservation Reserve Program (CRP):

Single application at 2 lb. a.i./A.

K. For all tank mixtures and sequential treatment of products containing

atrazine, the total lbs. a.i. of atrazine applied cannot exceed the application limits described above.

PRECAUTIONS AND RESTRICTIONS FOR HOMEOWNER PRODUCTS:

1. Application of granular lawn products when using hand-held devices (e.g. belly grinder) is restricted to spot applications only.
2. Applications of granular lawn products by hand is prohibited.
3. **Granular lawn products must be watered in immediately after application.**
4. **Do not apply this product in a way that will contact any person or pet either directly or through drift.**
5. The maximum single application rate for liquid formulations on residential lawns and turf is 1 lb. a.i./A (liquid products containing >4% a.i. are restricted use). Maximum of two applications per year.

APPENDIX 1: REGISTERED PRODUCTS SUBJECT TO ATRAZINE MEMORANDUM OF AGREEMENT

REGISTRANT'S NAME: Agan Chemical Manufacturers, Ltd.	
EPA Reg. No.	Product Name
11603-32	Atrazine Technical
11603-32	Atrazine RE
REGISTRANT'S NAME: Makhteshim Agan of North America, Inc.	
EPA Reg. No.	Product Name
66222-36	Atrazine 4L
66222-37	Atrazine 90DF
66222-37	Atrazine 90WDG
264-477-66222	Bromoxynil + Atrazine