



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

January 11, 2023

Jessica Vigna
Federal Regulatory Manager
Makhteshim Agan of North America, Inc. (d/b/a ADAMA)
3120 Highwoods Blvd., Suite 100
Raleigh, NC 27604

Subject: Registration Review Label Amendments Incorporating Mitigation Measures from the Interim Decisions for Metolachlor and Fomesafen and the National Marine Fisheries Services' (NMFS) Biological Opinion on the Effects of Metolachlor on Pacific Salmonids
Product Name: MANA 14204
EPA Registration Number: 66222-244
Application Dates: 3-Dec-2022; 3-Sep-2021; 14-May-2021
Decision Numbers: 589016; 578304; 575839

Dear Jessica Vigna:

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all the information submitted with your application to support the Registration Review of the above referenced product in connection with the Metolachlor and Fomesafen Interim Decisions. The Agency has concluded that your submission is acceptable.

This letter also addresses the label mitigation resulting from the NMFS' Biological Opinion on the effects of Metolachlor on Pacific salmonids. The Agency has concluded that your submission is also acceptable. The label referred to above, submitted in connection with registration under FIFRA, as amended, is acceptable.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 12 months from the date of this letter. After 12 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

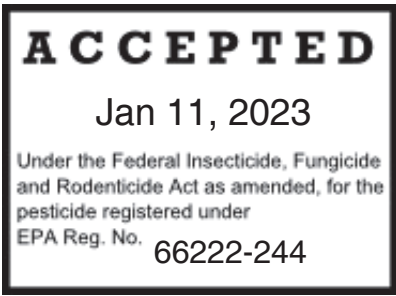
If you have any questions about this letter, please contact Srijana Shrestha at shrestha.srijana@epa.gov.

Sincerely,

A handwritten signature in blue ink, appearing to read "Linda Arrington", with a long horizontal flourish extending to the right.

Linda Arrington, Branch Chief
Risk Management and Implementation Branch 4
Pesticide Re-Evaluation Division
Office of Pesticide Programs

Enclosure: Stamped Label



METOLACHLOR	GROUP	15	HERBICIDE
FOMESAFEN	GROUP	14	HERBICIDE

MANA 14204
(Alternate Brand Name: Vise®)

Herbicide
For use in cotton and soybean for control of certain grasses and broadleaf weeds

ACTIVE INGREDIENT:	% BY WT.
Metolachlor*	48.26%
Sodium Salt of Fomesafen**	10.30%
OTHER INGREDIENTS	<u>41.44%</u>
TOTAL:	100.00%

Contains 4.45 lb. of metolachlor and 9.83% or 0.95 lb. of fomesafen active ingredient per gallon.

KEEP OUT OF REACH OF CHILDREN
DANGER / PELIGRO

*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.)*

Makhteshim Agan of North America, Inc. (d/b/a ADAMA)
3120 Highwoods Blvd., Suite 100
Raleigh, NC 27604

How can we help? 1-866-406-6262

EPA Reg. No. 66222-244

EPA Est. No. _____

NET CONTENTS:

FIRST AID

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.
IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-877-250-9291 for emergency medical treatment information. **NOTE TO PHYSICIAN:** For exposure to eyes, symptomology may include corneal and iris involvement, with full recovery expected. Probable mucosal damage may contraindicate the use of gastric lavage.

In case of spills, fire, leaks or accident, call INFOTRAC at 1-800-535-5053.
[For additional Precautionary Statements, First Aid, and Directions for Use, see inside of this booklet.]

NOTE: It is illegal to sell, use or distribute MANA 14204 within, or into, Nassau County or Suffolk County, New York.

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

DANGER. Corrosive. Causes irreversible eye damage. Harmful if swallowed. Do not get in eyes or on clothing. This product may cause skin sensitization reactions in some people. Wear appropriate protective eyewear such as goggles or face shield. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are listed below.

Mixers, loaders, applicators and other handlers must wear:

- Coveralls over short-sleeved shirt and short pants.
- Waterproof gloves
- Chemical-resistant footwear plus socks.
- Chemical resistant headgear for overhead exposure
- Protective eyewear (goggles or faceshield)
- Chemical-resistant apron when cleaning equipment, mixing, or loading

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. 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.

Mixers and loaders supporting aerial applications are required to use closed systems. The closed system must be used in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)]. When using the closed system, the mixers' and loaders' PPE requirements may be reduced or modified as specified in the WPS.

ENGINEERING CONTROLS STATEMENTS

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- 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.
- Remove and wash contaminated clothing before reuse.

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 disposing of equipment wash waters or rinsate. Do not apply when weather conditions favor drift from target area.

GROUNDWATER ADVISORY

Metolachlor is known to leach through soil into groundwater under certain conditions as a result of label use. This chemical may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow.

Fomesafen is known to leach through soil into ground water under certain conditions as a result of label use. This chemical may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow.

SURFACE WATER ADVISORY

This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having high potential for reaching surface water via runoff for several weeks or months after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of metolachlor from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall or irrigation is expected to occur within 48 hours. For more information, see the United States Department of Agriculture National Resource Conservation Service's manual, "Conservation Buffers to Reduce Pesticide Losses".

NON-TARGET ORGANISM ADVISORY:

This product is toxic to plants and may adversely impact the forage and habitat of non-target organisms, including pollinators, in areas adjacent to the treated site. Protect the forage and habitat of non-target organisms by following label directions intended to minimize spray drift.

Reporting Ecological Incidents: To report ecological incidents, including mortality, injury, or harm to plants and animals, call 1-866-406-6262.

DIRECTIONS FOR USE

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

Read entire label before using this product. This label must be in the possession of the user at the time of pesticide application.

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.

ENDANGERED SPECIES PROTECTION REQUIREMENTS:

It is a Federal offense to use any pesticide in a manner that results in an unauthorized "take" (e.g., kill or otherwise harm) of an endangered species and certain threatened species, under the Endangered Species Act section 9. When using this product, you must follow the measures contained in the Endangered Species Protection Bulletin for the area in which you are applying the product. You must obtain a Bulletin no earlier than six months before using this product. To obtain Bulletins, consult <http://www.epa.gov/espp/>, call 1-844-447-3813, or email ESPP@epa.gov. You must use the Bulletin valid for the month in which you will apply the product.

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 24 hours.

Exception: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

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, wear:

- Coveralls over short-sleeve shirt and short pants
- Waterproof gloves
- Chemical-resistant footwear plus socks
- Protective eyewear (goggles or faceshield)

IMPORTANT: FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR WEED CONTROL, CROP INJURY, OR ILLEGAL RESIDUES.

MANDATORY SPRAY DRIFT MANAGEMENT

Avoiding spray drift at the application site is the responsibility of the applicator and the grower. The interaction of many equipment- and weather-related factors determines the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions regarding spraying.

Aerial Applications:

- Do not release spray at a height greater than 10 ft above the ground or vegetative canopy, unless a greater application height is necessary for pilot safety.
- For applications prior to the emergence of crops and target weeds, applicators are required to use a Coarse or coarser droplet size (ASABE S572.1).
- For all other applications, applicators are required to use a Medium or coarser droplet size (ASABE S572.1).
- For aerial applications: Do not apply when wind speeds exceed 15 mph at the application site. If the wind speed is greater than 10 mph, the boom length must be 65% or less of the wingspan for fixed wing aircraft and 75% or less of the rotor diameter for helicopters. Otherwise, the boom length must be 75% or less of the wingspan for fixed-wing aircraft and 90% or less of the rotor diameter for helicopters. Applicators must use ½ swath displacement upwind at the downwind edge of the field.
- Nozzles must be oriented, so the spray is directed toward the back of the aircraft.
- Do not apply when wind speeds exceed 15 miles per hour at the application site.
- Do not apply during temperature inversions.

Ground Boom Applications:

- User must only apply with the nozzle height recommended by the manufacturer, but no more than 3 feet above the ground or crop canopy unless making a turf, pasture, or rangeland

application, in which case applicators may apply with a nozzle height no more than 4 feet above the ground.

- For applications prior to the emergence of crops and target weeds, applicators are required to use a Coarse or coarser droplet size (ASABE S572.1).
- For all other applications, applicators are required to use a Medium or coarser droplet size (ASABE S572.1).
- Do not apply when wind speeds exceed 15 miles per hour at the application site.
- Do not apply during temperature inversions.

Boomless Ground Applications:

- Applicators are required to select the nozzle and pressure that deliver medium or coarser droplet size (ASABE S572.3) for all applications.
- Do not apply when wind speeds exceed 15 miles per hour at the application site.
- Do not apply during temperature inversions.

Where states have more stringent regulations, they must be observed.

The applicator should be familiar with and take into account the information covered in the **Mandatory Spray Drift Management** section.

SPRAY DRIFT ADVISORIES

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT.
BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.

IMPORTANCE OF DROPLET SIZE

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

Controlling Droplet Size – Ground Boom

- **Volume** - Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.
- **Pressure** - Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.
- **Spray Nozzle** - Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

Controlling Droplet Size – Aircraft

- **Adjust Nozzles** - Follow nozzle manufacturers' recommendations for setting up nozzles. Generally, to reduce fine droplets, nozzles should be oriented parallel with the airflow in flight.

BOOM HEIGHT – Ground Boom

For ground equipment, the boom should remain level with the crop and have minimal bounce.

RELEASE HEIGHT - Aircraft

Higher release heights increase the potential for spray drift.

SHIELDED SPRAYERS

Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

TEMPERATURE AND HUMIDITY

When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

TEMPERATURE INVERSIONS

Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or 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. Avoid applications during temperature inversions.

WIND

Drift potential generally increases with wind speed. **AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS.**

Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

Boomless Ground Applications:

Setting nozzles at the lowest effective height will help to reduce the potential for spray drift.

Handheld Technology Applications

Take precautions to minimize spray drift

Sensitive Areas

Apply MANA 14204 when the potential for drift to adjacent sensitive areas (e.g., residential areas, bodies of water, known habitat for threatened or endangered species, non-target crops) is minimal (e.g., when wind is blowing away from the sensitive areas). Flagmen and loaders should avoid inhalation of spray mist and prolonged contact with skin.

CHEMIGATION RESTRICTION

Do not apply MANA 14204 through any type of irrigation system.

WEED RESISTANCE MANAGEMENT

MANA 14204 is both a Group 14 and a Group 15 herbicide. Any weed population may contain or develop plants naturally resistant to Group 14 and/or Group 15 herbicides. Weed species with acquired resistance to Group (target site of action group number) and/or Group (target site of action group number) herbicides may eventually dominate the weed population if Group 14 and/or Group 15 herbicides are used repeatedly in the same field or in successive years as the primary method of control for targeted species. This may result in partial or total loss of control of those species by MANA 14204 or other Group 14 and/or Group 15 herbicides.

To delay herbicide resistance, take one or more of the following steps:

- Rotate the use of this product or other Group 14 or 15 herbicides within a growing season sequence of among growing seasons with different herbicide groups that control the same weeds in the field.
- Use tank mixtures with herbicides from a different group if such use is permitted; where information on resistance in target weed species is available, use the less resistance-prone partner at a rate that will control the target weed(s) equally as well as the more resistance-prone partner. Consult your local extension service or certified crop advisor if you are unsure as to which active ingredient is currently less prone to resistance.

- Adopt an integrated weed-management program for herbicide use that includes scouting and uses historical information related to herbicide use and crop rotation, and that consider tillage (or other mechanical control methods), cultural (e.g., higher crop seeding rates; precision fertilizer application method and timing to favor the crop and not the weeds), biological (weed-competitive crops or varieties), and other management practices.
- Scout before and after herbicide application to monitor weed populations for early signs or resistance development. Indicators of possible herbicide resistance include: (1) failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds; (2) a spreading patch of non-controlled plants of a particular weed species; (3) surviving plants mixed with controlled individuals of the same species. If resistance is suspected, prevent weed seed production in the affected area by an alternative herbicide from a different group or by a mechanical
- method such as hoeing or tillage. Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment when moving between fields, and planting clean seed.
- If a weed pest population continues to progress after treatment with this product, discontinue use of this product, and switch to another management strategy or herbicide with a different mode of action, if available.
- Contact your local extension specialist or certified crop advisors for 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 at **1-866-406-6262**.

PRODUCT INFORMATION

Mode of Action: MANA 14204 is a selective herbicide for the control or partial control of certain grass, broadleaf and sedge weeds in cotton and soybeans. It may be applied as a preplant surface, preplant incorporated, or preemergence treatment. MANA 14204 is a mixture of the active ingredients metolachlor and fomesafen. Metolachlor is a biosynthesis inhibitor (Group 15) preventing cell division in emerging weeds. Fomesafen is a protoporphyrinogen oxidase inhibitor (Group 14) leading to cellular membrane disruption and plant death.

Activation: MANA 14204 must be activated by a small amount of soil moisture following application. In areas of low rainfall, follow a preemergence application to dry soil with light irrigation of 0.25 to 0.5 inch of water. As with many surface-applied herbicides, weed control and crop tolerance may vary with rainfall and/or soil texture. If rainfall or irrigation within 7 to 10 days does not occur, cultivate uniformly with shallow tilling equipment that will not damage the crop.

Crop Uses: MANA 14204 is registered only for use on cotton and soybeans.

Grazing Restrictions: Do not graze livestock in areas treated with MANA 14204 or harvest treated areas for forage or hay.

Crop Rotation: See the **Crop Rotation** section of this label for specific instructions on crop rotation.

Precaution: Crop injury may result if crop rotation guidelines are not followed.

Replanting: If replanting is necessary in fields previously treated with MANA 14204, the field may be replanted to soybeans. During planting, a minimum of tillage is recommended.

Precaution: Do not apply a second application of MANA 14204 or any product that contains s-metolachlor, fomesafen, or metolachlor as crop injury may occur in harvested soybeans.

Application Rate Ranges: Where a rate range is provided within a soil texture or organic matter classification, use a lower rate on soils that are relatively coarse-textured and/or low in organic matter. Use a higher rate on soils that are relatively fine-textured and/or high in organic matter.

Restrictions:

- Avoid treating powdery dry or light sand soils when conditions are favorable for wind erosion. Under these conditions, the soil surface to first be settled by rainfall or irrigation.
- Do not apply to impervious substrates, such as paved or highly compacted surfaces.
- Do not use tailwater from the first flood or furrow irrigation of treated fields to treat non-target crops, unless at least 1/2 inch of rainfall has occurred between application and the first irrigation.

MIXING INSTRUCTIONS AND EQUIPMENT CLEANUP

Mixing and Loading: Use care when mixing or loading MANA 14204 allow to prevent back-siphoning into wells, spills, or improper disposal of excess pesticide, spray mixtures, or rinsates. Check-valves or antisiphoning devices must be used on all mixing and/or irrigation equipment.

MANA 14204 may not be mixed or loaded within 50 ft. of perennial or intermittent streams and rivers, natural or impounded lakes and reservoirs. MANA 14204 may not be mixed/loaded or used within 50 ft. of all wells, including abandoned wells, drainage wells, and sink holes. Operations that involve mixing, loading, rinsing, or washing of MANA 14204 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 capacity 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 shipments to the mixing/loading site.

Mixing MANA 14204 in Water or In Liquid Fertilizers: When mixing MANA 14204 alone, add 1/3 of the required amount of water or fluid fertilizer to the spray or mixing tank. With the agitator running, add MANA 14204 into the spray tank. Continue agitation while adding the remainder of the water or fluid fertilizer. Begin application of the spray solution after MANA 14204 has completely dispersed in the water or fluid fertilizer. Maintain agitation until all of the mixture has been applied.

Tank Mixing: When mixing MANA 14204 with tank mixtures, add 1/3 of the required amount of water or fluid fertilizer to the mix tank. Start the agitator running before adding any tank mix partners. In general, tank mix partners should be added in this order: products packaged in water-soluble packaging, wettable powders, wettable granules (dry flowables), liquid flowables, liquids such as MANA 14204, and emulsifiable concentrates. Always allow each tank mix partner to become fully dispersed before adding the next product. Provide sufficient agitation while adding the remainder of the water. Maintain agitation until all of the mixture has been applied.

Important: When using MANA 14204 in tank mixtures, all products in water-soluble packaging should be added to the tank and mixed with plain water before any other tank mix partner, including MANA 14204. Allow the water-soluble packaging to completely dissolve and the product(s) to completely disperse before adding any other tank mix partner to the tank. Water-soluble packets will not properly dissolve in most spray solutions that contain fluid fertilizers.

If using MANA 14204 in a tank mixture, observe all directions for use, crop/sites, use rates, dilution ratios, precautions, and limitations that appear on the tank mix product label.

Restriction: Do not exceed the label dosage rate and follow the most restrictive label precautions and limitations.

MANA 14204 is compatible with most common tank mix partners. Test the physical compatibility of MANA 14204 with tank mix partners before use. To determine the physical compatibility of MANA 14204 with other products, use a jar test, as described below.

Compatibility Test

To ensure compatibility of MANA 14204 with other pesticides, perform a jar test before tank mixing. The following test assumes a spray volume of 25 gallons per acre. For other spray volumes, make appropriate changes in the ingredients.

Note: Nitrogen solutions or complete fluid fertilizers may replace all or part of the water in the spray for preplant surface, preplant incorporated, or preemergence applications only. Because liquid fertilizers vary, even within the same analysis, **always check compatibility with pesticide(s) before use.** Incompatibility of tank mixtures is more common with suspensions of fertilizer and pesticides.

Test Procedure

1. Add 1.0 pint of carrier (fertilizer or water) to each of 2 one quart jars with tight lids. **Note:** Use the same source of water that will be used for the tank mix and conduct the test at the temperature the tank mix will be applied.
2. To one of the jars, add 1/4 teaspoon or 1.2 milliliters of a compatibility agent approved for this use, such as Compex® or Unite® (1/4 teaspoon is equivalent to 2.0 pints per 100 gallons spray). Shake or stir gently to mix.
3. To both jars, add the appropriate amount of pesticide(s) in their relative proportions based on recommended label rates. If more than one pesticide is used, add them separately with dry pesticides first, flowables next, and emulsifiable concentrates last. After each addition, shake or stir gently to thoroughly mix.
4. After adding all ingredients, put lids on and tighten, and invert each jar ten times to mix. Let the mixtures stand 15 to 30 minutes and then look for separation, large flakes, precipitates, gels, heavy oily film on the jar, or other signs of incompatibility. Determine if the compatibility agent is needed in the spray mixture by comparing the two jars. If either mixture separates, but can be remixed readily, the mixture can be sprayed as long as good agitation is used. If the mixtures are incompatible, test the following methods of improving compatibility: (a) Slurry the dry pesticide(s) in water before addition, or (b) add 1/2 the compatibility agent to the fertilizer or water and the other 1/2 to the emulsifiable concentrate or flowable pesticide before addition to the mixture. If incompatibility is still observed, do not use the mixture.
5. After compatibility testing is complete, dispose of any pesticide wastes in accordance with the **Storage and Disposal** section of this label.

Equipment Cleanup: Before application of MANA 14204, the spray equipment must be cleaned. 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 MANA 14204.

After application of MANA 14204, equipment cleanup is very important. Because some crops, other than soybeans, are sensitive to low rates of MANA 14204, special attention must be given to cleaning equipment before spraying a crop other than those registered for use and on this label. Mix only as much spray solution as needed. Immediately after spraying, clean equipment thoroughly using the following procedure:

1. Flush tank, hoses, boom, and nozzles with clean water.
2. Prepare a cleaning solution of one gallon of household ammonia per 50 gallons of water. Many commercial spray tank cleaners may be used as well. Consult your MANA representative for a partial listing of approved tank cleaners and more information about proper tank cleaning procedures. Do not use chlorine-based cleaners such as Clorox®.
3. When available, use a pressure washer to clean the inside of the spray tank with this solution. Take care to wash all parts of the tank, including the inside top surface. Completely fill the sprayer with the cleaning solution to ensure contact of the cleaning solution with all internal surfaces of the tank and plumbing. Start agitation in the sprayer and thoroughly re-circulate the cleaning solution for **at least 15 minutes**. All visible deposits must be removed from the spraying system.

4. Flush hoses, spray lines, and nozzles for at least one minute with the cleaning solution.
5. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean water mark. Do not contaminate water when disposing of equipment wash water or rinsate. Do not apply when weather conditions favor drift from target area.
6. Repeat steps 2-5.
7. Remove nozzles, screens, diaphragm check valves and strainers and clean separately in the ammonia cleaning solution after completing the above procedures.
8. Rinse the complete spraying system with clean water.

APPLICATION INSTRUCTIONS

MANA 14204 may be applied by ground and aerial equipment. As discussed below, use a minimum of 10 gallons per acre of spray mixture for ground application and 5 gallons per acre for aerial application. Prepare no more spray mixture than is needed for the immediate operation. Clean spray equipment is very important so be sure to thoroughly clean before mixing MANA 14204. Vigorous agitation is necessary to maintain uniformity of the spray mixture. Maintain maximum agitation throughout the spraying operation. Do not allow spray mixture to stand overnight in the spray tank. Flush the spray equipment thoroughly following each use and apply the rinsate to a previously treated area.

Ground Application: Apply MANA 14204 alone or in tank mixtures by ground equipment in a minimum of 10 gallons spray mixture per acre, unless otherwise specified. Use sprayers that provide accurate and uniform application. Calibrate sprayers often. If MANA 14204 is applied in combination with wettable powder or dry flowable formulations, screens and strainers with a minimum 50-mesh size.

If MANA 14204 is applied in a band, calculate the amount of herbicide needed for band treatment by the formula below:

$$\frac{\text{Band width in inches}}{\text{Row width in inches}} \times \text{broadcast rate} = \text{amount needed per acre of field}$$

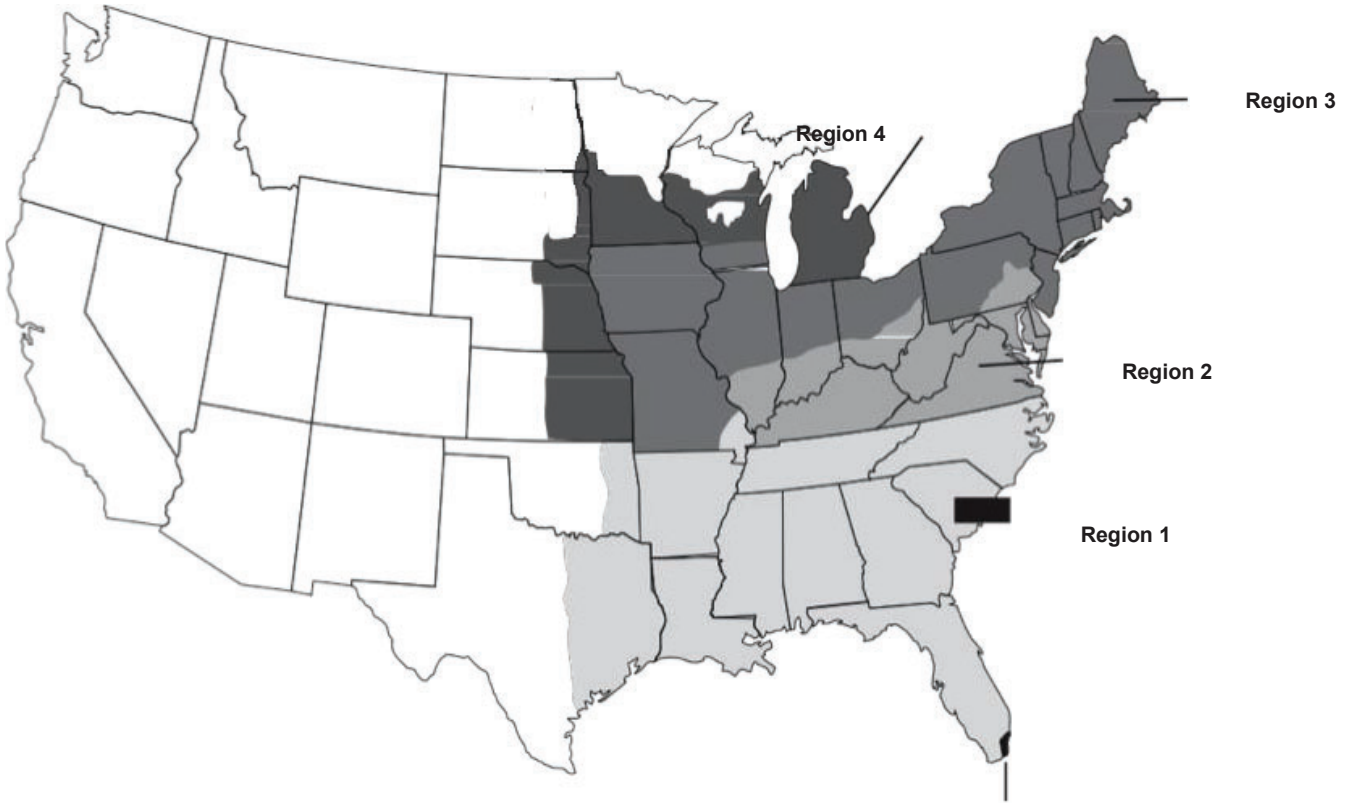
Aerial Application: Apply MANA 14204 in water using a minimum of 5 gallons per acre. Avoid application under conditions where uniform coverage cannot be obtained or where excessive spray drift may occur. Make applications at a maximum height of 10 feet above the soybeans with low drift nozzles at a maximum pressure of 40 psi. Avoid application to humans or animals. Flagmen and loaders should avoid inhalation of spray mist and prolonged contact with skin.

WEEDS CONTROLLED OR PARTIALLY CONTROLLED - MANA 14204 provides control (C) or partial control (PC)¹ of the following weeds when used according to label directions:

ANNUAL GRASSES	BROADLEAVES
Barnyardgrass (C) Crabgrass spp. (C) Crowfootgrass (C) Cupgrass, prairie (C) Cupgrass, southwestern (C) Foxtail spp. (C) Goosegrass (C) Johnsongrass, seedling (PC) Junglerice (C) Panicum, fall (C) Panicum, Texas (PC) Red rice (PC) Signalgrass, broadleaf (C) Sandbur spp. (PC) Shattercane (PC) Witchgrass (C)	Carpetweed (C) Cocklebur, common (PC) Ecliptia (C) Galinsoga spp. (C) Horseweed/marestail (PC) Jimsonweed (PC) Lambsquarters, common (C) Morningglory spp. (PC) Nightshade, eastern black (C) Nightshade, hairy (PC) Pennycress, field (C) Pepperweed, Virginia (C) Pigweed spp. (C) Poinsettia, wild (C) Purslane, common (C) Pusley, Florida (C) Ragweed, common (C) Ragweed, giant (PC) Redweed (C) Sida, prickly/teaweed (PC) Smartweed, ladysthumb (C) Smartweed, Pennsylvania (C) Spurge, spotted (C) Starbur, bristly (C) Sunflower, common (PC) Velvetleaf (PC) Waterhemp spp. (C) SEDGES Nutsedge, yellow (PC)

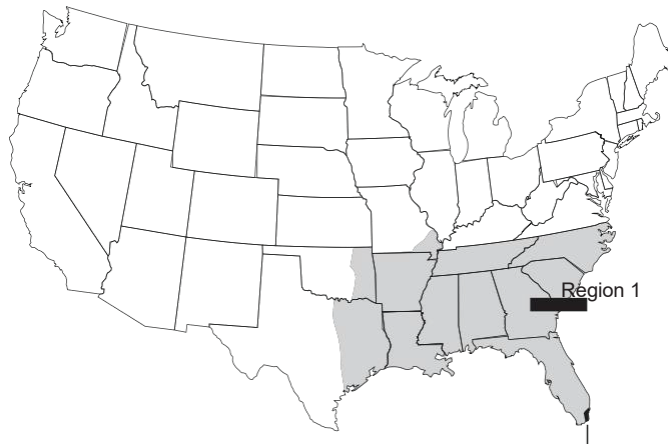
¹**Partial control:** a visual reduction of weed population as well as a significant loss of vigor; significant activity, but not always commercial weed control.

MANA 14204 REGIONAL USE MAP



Not for use in Miami-Dade County, FL

**REGION 1
(Maximum Rate 3 pints per acre per year)**



Not For Use in
Miami-Dade County, FL

REGION 1 - Includes the following states or portion of states where MANA 14204 may be applied: Alabama, Arkansas, Florida (except Miami-Dade County), Georgia, Louisiana, Mississippi, Missouri (counties of Bollinger, Butler, Cape Girardeau, Dunklin, Madison, Mississippi, New Madrid, Pemiscot, Perry, Ripley, Scott, Stoddard and Wayne), North Carolina, Oklahoma (East of U.S. Highway 75 and East of Indian Nation

Parkway), South Carolina, Tennessee, and Texas (includes area east of U. S. Highway 77 to State Road 239 including all of Calhoun County).

REGION 2

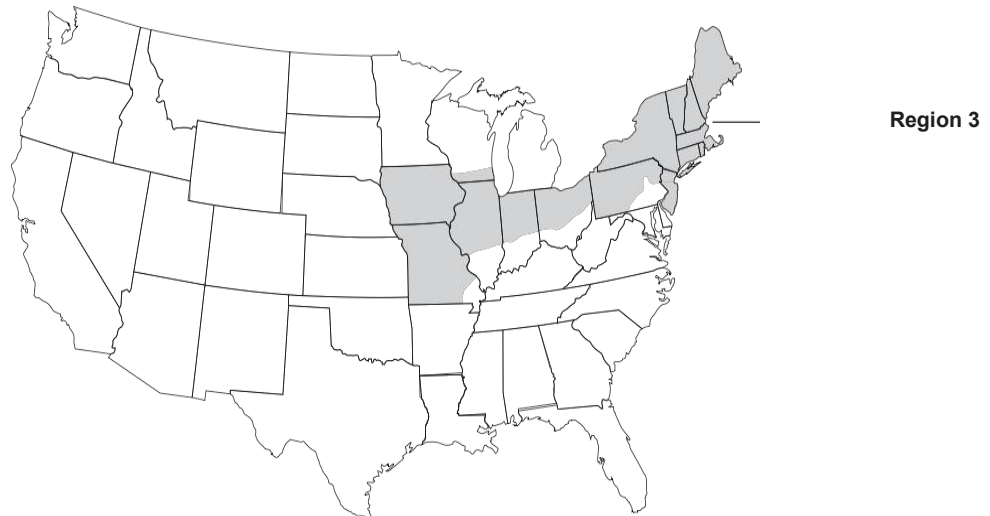
(Maximum Rate 3 pints per acre,alternate years)



REGION 2 - Includes the following states or portion of states where MANA 14204 may be applied: Delaware, Kentucky, Maryland, Virginia, West Virginia, South of Interstate 70 in the following states: Illinois, Indiana and Ohio and all areas South of Interstate 80 to the intersection of U.S. Highway 15 and East of U.S. Highway 15 and U.S. Highway 522 in Pennsylvania.

REGION 3

(Maximum Rate 2.5 pints per acre, alternate years)



REGION 3 - Includes the following states or portion of states where MANA 14204 may be applied: Connecticut, Iowa, Maine, Massachusetts, Missouri (all counties except for those listed in Region 1), New Hampshire, New Jersey, New York (except Nassau or Suffolk counties), Pennsylvania (all areas except those listed in Region 1), Rhode Island, Vermont and Wisconsin (South of U.S. Highway 18 between Prairie Du Chien and Madison, and South of Interstate 94 between Madison and Milwaukee), and North of Interstate 70 in following states: Indiana, Illinois and Ohio.

REGION 4
(Maximum Rate 2 pints per acre, alternate years)



REGION 4 - Includes the following states or portion of states where MANA 14204 may be applied: Kansas (all counties east of or intersected by U.S. Highway 281), Michigan (Southern Peninsula), Minnesota (all areas South of Interstate 94), Nebraska (all counties east of or intersected by U.S. Highway 281), and Wisconsin (all areas, except those in Region 3, South of Interstate 94 from Minnesota state line to Eau Claire and South of U.S. Highway 29 from Eau Claire to Green Bay plus Door and Kewaunee counties. The following counties are excluded: Clark, Marathon, Wood, Portage, Adams, Shawano, Waupaca, Waushara and Marquette). North Dakota (all areas East of Interstate 29 from Fargo south to the South Dakota state line). South Dakota (all areas East of Interstate 29 from the North Dakota state line to Watertown, all areas east of Highway 81 from Watertown to Madison and all areas East and South of State Road 34 and U.S. Highway 281 to the Nebraska state line).

PRECAUTIONS: Avoid overlapping spray swaths, as injury may occur to rotational crops.

RESTRICTIONS

- Do not graze treated areas or harvest for forage or hay.
- Do not exceed 2.48 lb ai/A/crop of Metolachlor (0.557 gallon/A MANA 14204).
- Do not exceed 2.48 lb ai/A per year of Metolachlor from applications of MANA 14204 or any other metolachlor-containing product.
- A maximum of 3 pints of MANA 14204 (or a maximum of 0.375 lb ai/A of fomesafen from any product containing fomesafen: Flexstar®, MANA 14204, or Reflex®) may be applied per acre per year in Region 1 (See **Region 1 Use Map**).
- A maximum of 3 pints of MANA 14204 (or a maximum of 0.375 lb ai/A of fomesafen from any product containing fomesafen: Flexstar, MANA 14204, or Reflex) may be applied per acre in alternate years in Region 2 (See **Region 2 Use Map**).
- A maximum of 2.5 pints of MANA 14204 (or a maximum of 0.313 lb ai/A of fomesafen from any product containing fomesafen: Flexstar, MANA 14204, or Reflex) may be applied per acre in alternate years in Region 3 (See **Region 3 Use Map**).
- A maximum of 2 pints of MANA 14204 (or a maximum of 0.25 lb ai/A of fomesafen from any product containing fomesafen: Flexstar, MANA 14204, or Reflex) may be applied per acre in alternate years in Region 4 (See **Region 4 Use Map**).

COTTON

Post-Directed Application: MANA 14204 may be applied to emerged cotton as a post-directed treatment to control or partially control certain emerged broadleaf weeds such as hemp sesbania, waterhemp, pigweed species and morningglory species (See **Weeds Controlled or Partially Controlled** table for a complete list of weeds). Apply MANA 14204 at 2 to 2.33 pints per acre to weeds having 2 to 4 true leaves using calibrated post-directed, hooded or shielded application equipment. Apply in a minimum of 10 gallons

spray solution in order to obtain complete coverage of emerged weeds. Apply MANA 14204 to emerged weeds with a NIS at 0.25 to 0.5% v/v or COC at 1% v/v to if applied alone, or in a tank mix combination with other products that do not contain an adjuvant. MANA 14204 needs moisture activation to be effective so rainfall or irrigation is needed within 7 to 10 days after application to assure best performance.

Precaution: (1) Do not mix liquid nitrogen (28% or similar) to MANA 14204 or to MANA 14204 tank mixes in cotton or injury will occur. (2) Avoid contact to cotton foliage and stems that are not fully barked as unacceptable injury will occur.

Note: Cotton foliage is not tolerant to MANA 14204 applications. Calibrate application equipment (spray pressure, nozzle type and configuration, and orifice size) to avoid fine spray droplets contacting green cotton stems and foliage.

Tank-Mixtures for Post-Directed Application: MANA 14204 may be applied in combination with other post-directed herbicides labeled for use on cotton to increase the spectrum of weeds controlled. Products such as Caparol®, DSMA, Direx®, Envoke®, Karmex®, Layby™ Pro, MSMA, Suprend® or glyphosate (such as Touchdown® or Roundup® brands for use in glyphosate-tolerant cotton only) tank mixed with MANA 14204 may increase the species of weeds controlled. Refer to the tank-mix partner label for precautionary statements, restrictions, rates and a list of weeds controlled.

Post-Directed Application Timing in Cotton: As a post-directed application, MANA 14204 may be applied to cotton at least 6 inches in height through layby.

Precaution: Unacceptable injury will occur if care is not taken to avoid MANA 14204 spray contact with any green non-barked parts of the cotton stem or foliage.

Shielded and Hooded Applications

Precaution: To avoid injury, make a precision post-directed MANA 14204 application to the base of the cotton plant avoiding contact with the cotton stem or foliage.

Use only hooded or shielded spray equipment to apply MANA 14204 in cotton that is at least to 6 inches in height. Adjust nozzles to provide full coverage of emerged target weeds.

Layby Applications

Make a post-directed application of MANA 14204 to the base of the cotton plant avoiding contact with any non-barked portion of the cotton plant or foliage. Use precision post-directed equipment or hooded or shielded sprayers on cotton plants that have developed a minimum of 4 inches of brown bark through layby. Configure application equipment to provide full coverage of emerged target weeds.

Restrictions:

- Do not apply MANA 14204 later than 80 days before harvest.
- Do not apply more than 2.33 pints per acre per year of MANA 14204. Adhere to the maximum rate that may be applied in each geographic region (See the MANA 14204 Regional Use Maps).
- Do not graze or feed forage or fodder from cotton to livestock.

SOYBEANS

ALL TILLAGE SYSTEMS

Foundation Treatment for Planned Two-pass Weed Control Programs: MANA 14204 at 2 pints per acre may be applied in conventional and glyphosate-tolerant soybeans as a preemergence application on all soils to reduce competition from weeds for a period of up to 5 weeks when followed by a planned postemergence herbicide application (See **Weeds Controlled or Partially Controlled** table for a complete list of weeds). Be sure to consult the postemergence herbicide label for weeds controlled, optimum weed size, application rate, additional use directions, precautions, and limitation before use.

Preplant Surface Applied: MANA 14204 may be applied at 2 pints per acre prior to soybean planting only in minimum-tillage or no-tillage systems. If weeds are present at the time of treatment, apply MANA 14204 in a tank mixture with a burndown herbicide (such as Parazone®, Gramoxone Inteon®, or glyphosate brands). Weed control may be lessened if treated soil is moved out of the row or if untreated soil is moved to the surface during planting. Follow with a postemergence herbicide applied at the labeled rate and within the specific growth stage for soybeans and weed spectrum. Recommended postemergence treatments

include any product or combination of products labeled to control the specific weeds remaining in the field, including glyphosate (such as Roundup) brands (for use on glyphosate-tolerant soybeans only).

Preplant Incorporated: Apply MANA 14204 at 2 pints per acre in conventional tillage systems where incorporation into the top 2 inches of soil occurs within 7 days after application using an implement capable of providing uniform 2-inch incorporation. Follow with a postemergence herbicide applied at the labeled rate and within the specific growth stage for soybeans and weed spectrum. Recommended postemergence treatments include any product or combination of products labeled to control the specific weeds remaining in the field, including glyphosate (for example, Roundup) brands (for use on glyphosate-tolerant soybeans only).

Preemergence: Apply MANA 14204 at 2 pints per acre during planting (behind the planter), or after planting, but before weeds or soybeans emerge in conventional, conservation, or no-till systems. If weeds are present at the time of treatment, apply MANA 14204 in a tank mixture with a burndown herbicide (such as Parazone, Gramoxone Inteon® or glyphosate brands). Follow with a postemergence herbicide applied at the labeled rate and within the specific growth stage for soybeans and weed spectrum. Recommended postemergence treatments include any product or combination of products labeled to control the specific weeds remaining in the field, including glyphosate (such as, Roundup) brands (for use on glyphosate-tolerant soybeans only).

Replanting: If replanting is necessary in fields previously treated with MANA 14204, the field may be replanted to soybeans. During planting, a minimum of tillage is recommended.

Precaution: Do not apply a second application of MANA 14204 or any product that contains s-metolachlor, fomesafen, or metolachlor as crop injury may occur in harvested soybeans.

CONVENTIONAL TILLAGE SYSTEMS

MANA 14204 may be applied in conventional tillage systems either preplant incorporated or preemergence for control or partial control of the weeds (See **Weeds Controlled or Partially Controlled** table for a complete list of weeds). Apply MANA 14204 at the rates shown below alone, in tank mixture, or followed sequentially with postemergence herbicides to broaden the weed control spectrum or control newly emerged weeds.

Preplant Incorporated: Apply MANA 14204 into the top 2 inches of soil with 7 days after application and before planting using a suitable implement capable of providing uniform soil incorporation. Use this method of application especially if furrow irrigation is used or when a period of dry weather is expected after application of MANA 14204.

Preemergence Application: Before weeds or soybeans emerge, apply MANA 14204 during planting (behind the planter), or after planting. Reduced effectiveness will result if dry weather follows the preemergence application of MANA 14204. If weeds develop, shallow cultivation that will not damage the soybeans should be used to remove the weeds.

Use Rates for MANA 14204 in Conventional Tillage Systems (Broadcast Rates)

		Pints/A	
		0.5 to 3% Organic Matter	Over 3% Organic Matter
Soil Texture	Regions		
COARSE (Sand, loamy sand, sandy loam)	1, 2	2	2-2.25
	3	2	2-2.25
	4	2	2
MEDIUM (Loam, silt loam, silt)	1, 2	2.25-2.5	2.5-2.75
	3	2-2.25	2.25-2.5
	4	2	2

FINE (Sandy clay loam, sandy clay, silty clay, silty clay loam, clay, clay loam)	1, 2	2.75-3	2.75-3
	3	2.5 ¹	2.5 ¹
	4	2 ¹	2 ¹
¹ If weeds emerge before full canopy closure, apply an appropriate postemergence product.			

REDUCED TILLAGE AND NO-TILL SYSTEMS - PREPLANT

Surface and Preemergence Application: Apply MANA 14204 in reduced-till and no-till systems up to 15 days before planting or preemergence, but before soybean emergence. For control or partial control of the weeds listed in the **Weeds Controlled or Partially Controlled** table, use the high end of the rate range for applications of MANA 14204 made 15 days before planting (see table below for MANA 14204 rates). If weeds are present at time of application, burndown herbicides may be tank mixed with MANA 14204 (see **Burndown Weed Control** section). MANA 14204 may be followed sequentially with postemergence herbicides to broaden the weed control spectrum or control newly emerged weeds.

Use Rates for MANA 14204 in Reduced-Till and No-Till Systems (Broadcast Rates)

Soil Texture	Regions	Pints/A ¹
COARSE (Sand, loamy sand, sandy loam)	1, 2	2-2.5
	3	2-2.25
	4	2 ²
MEDIUM (Loam, silt loam, silt, sandy clay, sandy clay loam)	1, 2	2.5-2.75
	3	2.25-2.5
	4	2 ²
FINE (Sandy clay loam, sandy clay, silty clay, silty clay loam, clay, clay loam)	1, 2	2.75-3
	3	2.5 ²
	4	2 ²
¹ Use the lower rate range for soils with less than 3% organic matter. Use the higher rate range for soils with greater than 3% organic matter.		
² If weeds emerge before full canopy closure, apply an appropriate postemergence product.		

BURNDOWN WEED CONTROL

MANA 14204 can be used as part of a burndown herbicide program for control of existing vegetation prior to soybean planting and/or emergence in conservation tillage (reduced-tillage/no-till) systems. MANA 14204 may be tank mixed with Arrow[®] 2EC, Canopy[®], Canopy EX, Defy[®] LV-4, Defy[®] LV-6, I, Express[®] with Total Sol[®], glyphosate brands (such as Roundup), Fusilade[®] DX, Fusion[®], Parazone 3SL, Poast Plus[®] or SHARPEN[®] Powered by KIXOR[®] for control of emerged weeds prior to soybean planting or crop emergence. Refer to the tank mix product labels for specific rates, use directions, precautions, restrictions and limitations.

HERBICIDES THAT MAY BE APPLIED POSTEMERGENCE FOLLOWING MANA 14204

To provide additional control of certain weeds, MANA 14204 can be applied alone or in tank mixture and then followed by an application of a postemergence herbicide. Postemergence herbicides that may be applied with MANA 14204 include: Aim[®], Arrow 2EC, Assure[®] II, Basagran[®], Classic[®], Cobra[®], Extreme[®]¹, FirstRate[®], Fusilade DX, Fusion, Harmony[®] GT XP, Liberty[®] 280SL², Poast[®], Poast Plus[®], Pursuit[®], Raptor[®], Resource[®], Roundup Brands¹, Scepter[®], Select, Synchrony[®] STS[®], Synchrony[®] XP and Ultra Blazer[®].

¹Use on glyphosate-tolerant soybeans only.

²Use on LibertyLink[®] soybean only.

POSTEMERGENCE APPLICATION

MANA 14204 may be applied at 2 to 2.33 pints per acre as a postemergence application from cracking through the third trifoliolate stage of soybeans. Necrotic spotting, bronzing, leaf crinkling or curling of soybean leaves may occur following postemergence applications, but soybeans soon outgrow these effects and develop normally. Although MANA 14204 applied alone may control or partially control certain emerged broadleaf weeds in glyphosate-tolerant soybeans, a tank mix with glyphosate (such as Touchdown or Roundup® brands) may increase the spectrum of weeds controlled. Add a NIS containing at least 75% surface-active agent, at 0.25% v/v to the final spray volume if MANA 14204 is applied alone or tank mixed with glyphosate products that do not contain a built-in adjuvant.

Precaution: Use of a COC with MANA 14204 postemergence to soybeans could result in injury and is not advised.

Tank Mixtures for Postemergence Applications in Soybeans: On glyphosate-tolerant soybeans only, MANA 14204 may be tank mixed with one or more of the following herbicides: Touchdown Brands, Roundup Brands, and Glyphosate products (such as Glyphomax®). Apply only in water as the carrier for postemergence applications

MANA 14204 may be tank mixed with one or more of the following insecticides: Karate® Insecticide with Zeon Technology, Endigo™ ZC

Refer to this label and the labels of the tank mix partners for application methods and timings, precautionary statements, restrictions, rates, and weeds or insects controlled.

Precaution Do not use MANA 14204 postemergence on soybeans that are under stress including but not limited to that caused by drought, insect, disease, or injury from cultivation.

Restrictions:

- Do not exceed 2.33 pints per acre of MANA 14204 in a single postemergence application.
- Do not exceed 3.0 pints per acre of MANA 14204 per acre per year. Refer to Regional Use Map for maximum rate that may be applied within a specific region.
- Do not apply as postemergent if a preplant surface, preplant incorporated, or preemergence application of S-metolachlor containing products has been applied.
- Do not graze or feed treated forage or hay from soybeans to livestock following a postemergence application of MANA 14204.
- Make postemergence applications at least 90 days before harvest.

CROP ROTATION

Precaution: Do not rotate to any food or feed crops following application of MANA 14204 other than those listed in the table below or injury could result.

Time Interval Between Treatment With MANA 14204 And Planting Rotation Crops¹

Crop	Months
Dry bean, Snap bean, Soybean	0
Cotton	1
Barley, Oat, Rye, Wheat	4.5
Corn ^{2, 3} , Peanut, Pea, Rice	10
Alfalfa, Sugar Beet, Sunflower, Sorghum ⁴ or any other crops	18

¹ **Restriction:** Cover crops for soil building or erosion control may be planted any time, but do not graze or harvest for food or feed. Do not graze rotated small grain crops or harvest forage or straw for livestock.

²Use a 12 month minimum rotation interval for popcorn in the states of IA, IL, IN, KY, OH and Region 4 when applied at 2.0 pints per acre or greater

³Use 18 month minimum rotation interval for sweet corn in the states of CT, MA, ME, NH, NY, RI and VT.

⁴Sorghum may be planted back after 10 months in Region 1 only.

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 (5 gallons 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 and drain for 10 seconds after the flow begins to drip. Fill the container $\frac{1}{4}$ 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. If recycling is not available, puncture or 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 (greater than five gallons): 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 $\frac{1}{4}$ 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.

Refillable Container (greater than 55 gallons): Refill this container with MANA 14204 (containing the active ingredients metolachlor and fomesafen) 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 final disposal, offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill or by other procedures approved by state and local authorities.

Refilling or Returning Containers

If refilling or returning container is planned, end users are not authorized to remove tamper evident cables, one way valves or clean containers.

Recycle or Disposal of Containers

End users are authorized to remove tamper evident cable as required to remove the product from the container unless the container is equipped with one way valves and refilling or returning is planned. Instructions for container rinsing and either recycling or disposal are as follows:

Bottom Discharge IBC (e.g. Schuetz Caged IBC or Snyder Square Stackable)

Pressure rinsing 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 pressure rinse the container before final disposal, empty the remaining contents from the IBC into application equipment or mix tank. Raise the bottom of the IBC by 1.5 inches on the side which is opposite of the bottom discharge valve to promote more complete product removal. Completely pump or drain rinsate into application equipment or rinsate collection system while pressure rinsing. Continue pressure rinsing for 2 minutes or until rinsate becomes clear. Replace the lid and close bottom valve.

Top Discharge IBC, Drums, Kegs (e.g. Snyder 120 Next Gen, Bonar B120, Drums and Kegs)

Triple rinsing 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 triple rinse 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. Rinse all interior surfaces. Pour or pump rinsate into application equipment rinsate collection system. Repeat this rinsing procedure two more times.

SPILL, FIRE, LEAK or OTHER CHEMICAL EMERGENCY: In case of spill or leak on floor or paved surfaces, soak up with sand earth, or synthetic absorbent. Remove to chemical waste area.

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.

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