

SPECIMEN LABEL

SULFENTRAZONE	GROUP	14	HERBICIDE
S-METOLACHLOR	GROUP	15	HERBICIDE

Maxunitech Sulfen + S-moc

ACTIVE INGREDIENTS:

S-metolachlor % by weight 68.25%
Sulfentrazone 7.55%

OTHER INGREDIENTS: 24.20%

TOTAL: **100.00%**

Contains 7.0 lbs./gal. of active ingredients, which includes 0.7 pound ai sulfentrazone and 6.3 pounds ai S-metolachlor per gallon.

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.)

See label booklet for complete additional First Aid, Precautionary Statements, Directions For Use, and Storage and Disposal.

EPA Reg. No.: 95009-8



®

Manufactured For:

Maxunitech North America, Inc.

11601 Shadow Creek Pkwy, Suite 111-573

Pearland, TX 77584

FIRST AID

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 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.
HOTLINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor or going for treatment. For information on this pesticide product (including general health concerns or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378 , Monday through Friday, 8:00 AM to 12 PM Pacific Standard Time. In the event of a medical emergency, call your poison control center at 1-800-222-1222 .	

For Chemical Emergency:
Spill, Leak, Fire, Exposure, or Accident,
Call CHEMTREC Day or Night
Within USA and Canada: 1-800-424-9300

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION

Harmful if swallowed or absorbed through the skin. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. 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)

Applicators and other handlers must wear: Long-sleeved shirt and long pants, chemical-resistant gloves made of barrier laminate or Viton \geq 14 mils, and shoes plus socks.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product. 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.

ENGINEERING CONTROLS

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 170.607 (d-f)), the handler PPE requirements may be reduced or modified as specified in the WPS. 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 170.607 (d-f)). When using the closed system, the mixers' and loaders' PPE requirements may be reduced or modified as specified in the WPS.

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.
- Remove clothing/PPE 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.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and marine/estuarine invertebrates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean highwater mark. Drift and runoff may be hazardous to terrestrial and aquatic plants in neighboring areas. Do not contaminate water when disposing of equipment wash waters or rinsate.

Groundwater Advisory:

The active ingredients in this product are known to leach through soil into groundwater under certain conditions as a result of label use. These chemicals may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow.

Do not use on coarse soils classified as sand, which have less than 1% organic matter.

Surface Water Advisory:

Sulfentrazone can contaminate surface water through spray drift. Under some conditions, this product may also have a high potential for runoff into surface water (primarily via dissolution in runoff water), for several to many months post-application. These include poorly draining or wet soils with readily visible slopes toward adjacent surface waters, frequently flooded areas, areas overlying extremely shallow groundwater, areas with in-field canals or ditches that drain to surface water, areas not separated from adjacent surface waters with vegetated filter strips, and areas over-lying tile drainage systems that drain to surface waters.

S-metolachlor may impact surface water quality due to runoff of rainwater. This is especially true for poorly draining soils and soils with shallow ground water. S-metolachlor is classified as having high potential for reaching surface water via runoff for several months or more 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 S-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.

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 1-855-462-9621.

Mixing/Loading/Application Instructions:

Care must be taken when using this product 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.

Maxunitech Sulfen + S-moc may not be mixed or loaded within 50 feet of any wells (including abandoned wells and drainage wells), sinkholes, perennial or intermittent streams and rivers, and natural or impounded lakes and reservoirs. This setback does not apply to properly capped or plugged abandoned wells and does not apply to impervious pads or properly diked mixing/loading areas. This product 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 this product into or from pesticide handling or application equipment or containers within 50 feet 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 rainwater 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 specific minimum containment capacities do not apply to vehicles when delivering pesticide shipments to the mixing/loading site. States may have in effect additional requirements regarding wellhead setbacks and operational containment.

Product must be used in a manner that will prevent back siphoning in wells, spills or improper disposal of excess pesticide, spray mixtures or rinsates.

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 State or Tribal 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/essp/>, call 1-844-447-3813, or email ESPP@epa.gov. You must use the Bulletin valid for the month in which you 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. These requirements 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.

Exception: if the product is 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.

Personal Protective Equipment (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: Long-sleeved shirt and long pants, chemical-resistant gloves made of barrier laminate or Viton \geq 14 mils, and shoes plus socks.

WEED RESISTANCE MANAGEMENT

For resistance management, **Maxunitech Sulfen + S-moc**, which contains sulfentrazone and S-metolachlor, is a Group 14 and 15 herbicide respectively. Any weed population may contain or develop plants naturally resistant to **Maxunitech Sulfen + S-moc** and other Group 14 and Group 15 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. Appropriate resistance management strategies should be followed.

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

- Rotate the use of **Maxunitech Sulfen + S-moc** or other Group 14 and Group 15 herbicides within a growing season sequence or among growing seasons with different herbicide groups that control the same weeds in a 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 considers 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 of 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 Maxunitech North America, Inc. retailer or representative.

Report any incidence of non-performance of this product against a particular weed species to your Maxunitech North America, Inc. retailer or representative. If resistance is suspected, treat weed escapes with an herbicide having a different mechanism of action and/or use non-chemical means to remove escapes, as practical, with the goal of preventing further seed production.

Contact your local sales representative, crop advisor, or extension agent to find out if suspected resistant weeds to these MOAs have been found in your region. Do not assume that each listed weed is being controlled by multiple mechanisms of action. Co-formulated active ingredients are intended to broaden the spectrum of weeds that are controlled. Some weeds may be controlled by only one of the active ingredients in this product.

MANDATORY SPRAY DRIFT MANAGEMENT

Aerial Applications:

- Aerial application is allowed only when the field is too wet to safely apply pesticides using ground equipment.
- When this product is allowed to be applied by air, applicators must use a minimum finished spray volume of 5 gallons per acre.
- 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.
- Applicators are required to select a nozzle and pressure combination that delivers a coarse or coarser droplet size (ASABE S641).
- Do not apply as spray droplets smaller than coarse size.
- Applicators may spray only when wind speed is between 3 to 10 mph.
- Do not apply during temperature inversions.

Ground Applications:

- For boom spraying, the maximum release height must be 30 inches from the soil.
- Ground applicators must use a minimum finished spray volume of 10 gallons per acre.
- Applicators are required to select a nozzle and pressure combination that delivers a coarse or coarser droplet size (ASABE S572).
- Do not apply as spray droplets smaller than coarse size.
- Applicators may spray only when wind speed is between 3 to 10 mph.
- Do not apply during temperature inversions.

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.

Boom-less 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 - The pesticide should only be applied when the wind is blowing away from sensitive areas (e.g. residential areas, bodies of water, known habitat for threatened or endangered species, non-target crops). To assure that spray will not adversely affect adjacent sensitive non-target plants, apply Maxunitech Sulfen + S-moc by aircraft at a minimum upwind distance of 400 ft. from sensitive plants. Avoid application to humans or animals. Flagmen and loaders should avoid inhalation of spray mist and prolonged contact with skin.

Off-Target Movement of Maxunitech Sulfen + S-moc

Drift of dilute spray mixtures containing Maxunitech Sulfen + S-moc must be prevented. Observation of the environmental conditions, correct application equipment design, calibration and application practices will reduce the risk of off-target spray drift. Maxunitech Sulfen + S-moc can cause damage by drift on to sensitive crops and other plants. This symptomology may manifest initially as discreet, localized spots where contacted by Maxunitech Sulfen + S-moc drift mixtures. Depending on sensitivity of the plants, the concentration of the spray solution and droplets size these spots or lesions may or may not coalesce. These effects will usually not have lasting effects on plant growth, but can reduce the value of affected fruit or foliage where grade or quality is associated with appearance. In drift instances with sensitive crops, defoliation of affected foliage could result.

PRODUCT INFORMATION

Maxunitech Sulfen + S-moc is a soil-applied herbicide for the control of susceptible broadleaf, grass, and sedge weeds.

If adequate moisture (1/2" to 1") from rainfall or irrigation is not received within 7 to 10 days after the Maxunitech Sulfen + S-moc treatment, a shallow incorporation (less than 2"), may be needed to obtain desired weed control. When activating moisture is not received a planned post-

emergence application of a labeled herbicide will be needed for optimum weed control. If an activating rainfall (1/2" to 1") is not received Maxunitech Sulfen + S-moc will provide a reduced level of control of susceptible germinating weeds.

Observe all instructions, crop restrictions, mixing directions, application precautions, replanting directions, rotational crop guidelines and other label information of each product when tank mixing with Maxunitech Sulfen + S-moc. Tank mixtures are permitted only in those states where the tank mix partner is registered.

Maxunitech Sulfen + S-moc can be mixed with water, liquid fertilizer, or mixtures of water and liquid fertilizer and applied as a pre-plant or pre-emergence treatment to labeled crops. It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

Under normal growing conditions, Maxunitech Sulfen + S-moc exhibits excellent crop safety. Soil applications of Maxunitech Sulfen + S-moc must be made before crop seed germination to prevent injury to the emerging crop seedlings. Maxunitech Sulfen + S-moc applied after crop emergence will cause severe injury to the crop. Poor growing conditions, such as excessive soil moisture, cool temperatures, and soil compaction or the presence of various pathogens may impact seedling vigor. Under these conditions, the active ingredients in Maxunitech Sulfen + S-moc can contribute to crop response. Refer to the specific directions of use for a particular crop/use pattern as set forth below for additional information.

IMPORTANT PRECAUTIONS:

1. Ensure the seed furrow is closed and the seed covered on acres treated with Maxunitech Sulfen + S-moc.
2. Soybean stunting may occur if excessive rainfall occurs after application but before soybeans emerge. Injury is more prevalent under poor drainage or compacted conditions or when soil is saturated for long periods of time. Soybeans outgrow stunting once favorable growing conditions return.
3. Do not apply if there are visible signs of cracking due to soybean emergence, or serious crop injury may result, such as but not limited to stand loss.
4. Seedling disease, nematodes, cold weather, deep planting (more than 2"), excessive moisture, high salt concentration, or drought may weaken soybean seedlings and increase the possibility of crop injury.
5. When tank mixing, follow the most restrictive use rates and precautions of the mixing partners.

Mechanism of Action:

Following the application of Maxunitech Sulfen + S-moc to soil, germinating seeds and seedlings take up Maxunitech Sulfen + S-moc from the soil solution. The amount of Maxunitech Sulfen + S-moc in soil solution available for weed uptake is determined primarily by soil type, soil organic matter and soil pH. Similar to other herbicides, Maxunitech Sulfen + S-moc adsorbs to the clay and organic matter (OM) fractions of soils; effectively limiting the amount of active ingredient immediately available to control weeds.

Influence of Soil Type, Organic Matter, and pH on Maxunitech Sulfen + S-moc Use Rates and Crop Response:

Coarse-textured and high pH >7.2 soils (see Table 1) will exhibit increased weed control and crop response with Maxunitech Sulfen + S-moc. It is important to know the soil type and soil pH levels of the field (or areas within a field) before application to determine the proper rate of Maxunitech Sulfen + S-moc for the crop. Soil organic matter content and soil pH can vary widely and independently of soil type and requires an accurate analysis of representative soil samples or grids of soil samples within a specific field to determine its content.

It is important to note that irrigation with highly alkaline water (high pH) following a Maxunitech Sulfen + S-moc soil application can also significantly increase the amount of Maxunitech Sulfen + S-moc available in the soil solution. Irrigation with water having a pH greater than 7.2 could result in adverse crop response. This response will ultimately depend on initial Maxunitech Sulfen + S-moc application rate, timing, amount and pH of irrigation water and sensitivity of the crop and its growth stage when irrigated. The risk of adverse crop response will lessen with the advance in growth stage among most crops.

Table 1: Soil Texture Classification Chart

COARSE	MEDIUM	FINE
Sand	Sandy clay loam	Silty clay loam
Loamy sand	Sandy clay	Silty clay
Sandy loam	Loam	Clay loam
	Silt loam	Clay
	Silt	

APPLICATION INFORMATION**Ground and Aerial Application:**

Utilize a sprayer equipped with the appropriate nozzles providing optimum spray distribution and coverage at the appropriate operating pressures. Utilize nozzles that produce minimal amounts of fine spray droplets to avoid spray drift. Apply a minimum of 10 gallons of finished spray solution per acre by ground or 5 gallons by air. The sprayer should be properly calibrated to deliver the appropriate volume of herbicide solution. Be aware that overlaps and slower ground speeds while starting, stopping or turning while spraying may result in excessive application and subsequent crop response.

Restrictions

Do not apply when wind speed favors drift beyond the area intended for treatment.

Do not apply under conditions which favor runoff or wind erosion of soil containing this product to non-target areas. To prevent off-site movement due to runoff or wind erosion:

1. Avoid treating powdery dry or light sand soils when conditions are favorable for wind erosion. Under these conditions, the soil surface should first be settled by rainfall or irrigation.
2. Do not apply to impervious substrates, such as paved or highly compacted surfaces.
3. Do not use tailwater from the first flood or furrow irrigation of treated fields to treat non-target crops, unless at least ½ inch of rainfall has occurred between application and the first irrigation.

Chemigation Application:

Apply Maxunitech Sulfen + S-moc in 0.25 to 1 inch of water. Use the lower water volume on coarse textured soil and higher volume on fine-textured soils. Applying >1" of irrigation water may result in reduced weed control by moving the product below the weed germination zone in the soil. Apply immediately after planting unless specified differently in the individual crop section. Maxunitech Sulfen + S-moc may be applied through sprinkler irrigation systems including center pivot, lateral move, end tow, solid set, or hand move irrigation systems. Crop injury, lack of effectiveness or illegal residues on or in the crop can result from non-uniform distribution of treated water. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers, or other experts. 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 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 also 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.

Maxunitech Sulfen + S-moc should be metered into the irrigation system continuously for the duration of the water application. Maxunitech Sulfen + S-moc should be diluted in sufficient volume to ensure accurate application over the area to be treated. Use the appropriate amount of water to carry the product to the soil surface. Continuous agitation is required to maintain product suspension in the solution tank. A jar test should be

conducted to ensure that phase separation would not occur during dilution and application. Failure to achieve a uniform dilution throughout the time of application may result in undesirable residues or less than desirable weed control. Flush the lines at the completion of the application and then turn the water off promptly.

When using water from public water systems; **DO NOT APPLY Maxunitech Sulfen + S-moc THROUGH ANY IRRIGATION SYSTEM PHYSICALLY CONNECTED TO A PUBLIC WATER SYSTEM.** Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days of the year. Maxunitech Sulfen + S-moc may be applied through irrigation systems, which may be supplied by a public water system only if water from the water system is discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and to top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe. Before beginning chemigation, always make sure that the air gap exists and that there is no blockage of the overflow of the reservoir tank.

It is important to note that irrigation with highly alkaline water (high pH) following a Maxunitech Sulfen + S-moc soil application may significantly increase the amount of sulfentrazone available in soil solution. Irrigation with water having a pH greater than 7.2 could result in adverse crop response.

Restrictions:

1. Do not apply by chemigation if there are visible signs of cracking due to soybean emergence, or serious crop injury may result, such as but not limited to stand loss.
2. Do not apply this product through any other type of irrigation system.
3. Do not connect any irrigation system (including greenhouse systems) used for pesticide application to a public water system.

Application with Dry Fertilizers:

Maxunitech Sulfen + S-moc may be applied impregnated on dry fertilizers. When applied as directed with adequate soil coverage, Maxunitech Sulfen + S-moc dry bulk fertilizer mixtures will provide satisfactory weed control. Follow all Maxunitech Sulfen + S-moc label directions regarding product use rates per acre, registered crops, incorporation, special instructions, and precautions. Apply Maxunitech Sulfen + S-moc/dry fertilizer mixtures with ground equipment only. All individual State regulations relating to dry bulk fertilizer blending, registration, labeling, and application are the responsibility of the individual and/or company preparing, storing, transporting, selling, or applying the Maxunitech Sulfen + S-moc/dry fertilizer mixture.

Impregnation Directions:

To impregnate Maxunitech Sulfen + S-moc on dry bulk fertilizer, use a closed rotary-drum mixer or other commonly used dry bulk fertilizer blender equipped with suitable spray equipment.

Prepare a slurry of Maxunitech Sulfen + S-moc in a clean container using clear water. Slowly add the Maxunitech Sulfen + S-moc/water slurry to the impregnation spray tank and finish filling as needed with clear water. Spray nozzles must be placed to provide uniform coverage of Maxunitech Sulfen + S-moc onto the fertilizer during mixing.

Refer to the SPRAYER EQUIPMENT CLEAN-OUT section for directions for cleaning impregnation equipment, transport equipment, loading equipment and application equipment.

Apply the Maxunitech Sulfen + S-moc dry bulk fertilizer with an accurately calibrated dry fertilizer spreader. The Maxunitech Sulfen + S-moc dry bulk fertilizer mixture must be spread uniformly on the soil surface. Uneven spreading leaving untreated areas can cause poor weed control or overlapping areas with potential increased Maxunitech Sulfen + S-moc use rates could result in possible crop response.

A minimum of 200 pounds of dry bulk fertilizer impregnated with the listed amount of Maxunitech Sulfen + S-moc must be applied per acre to achieve adequate soil coverage for satisfactory weed control.

Refer to the appropriate crop section of the Maxunitech Sulfen + S-moc label to determine the rate of Maxunitech Sulfen + S-moc to be applied per acre. Use the following table to determine the amount of Maxunitech Sulfen + S-moc to be impregnated on a ton (2,000 pounds) of dry bulk fertilizer based on the rate of fertilizer that will be applied per acre.

For those rates not listed in Table 2, calculate the amount of Maxunitech Sulfen + S-moc to be impregnated on a ton of dry bulk fertilizer using the following formula:

$$\frac{2000}{\text{Pounds dry fertilizer per acre}} \times \frac{\text{Maxunitech Sulfen + S-moc use rate in fluid ounces per acre}}{\text{per acre}} = \text{Fluid Ounces of Maxunitech Sulfen + S-moc to be applied per ton of fertilizer}$$

Table 2: Rate Chart for Impregnation of Dry Bulk Fertilizers with Maxunitech Sulfen + S-moc

Dry Fertilizer Rate Per Acre	Fluid Ounces Maxunitech Sulfen + S-moc Per Ton of Fertilizer		
	Maxunitech Sulfen + S-moc Use Rate Per Acre		
Lb./A	14 fl. oz./A	26 fl. oz./A	35 fl. oz./A
200	140	260	350
250	112	208	280
300	93	173	233
350	80	148	200
400	70	130	175
450	62	114	154

Restrictions:

1. DO NOT impregnate Maxunitech Sulfen + S-moc onto coated on ammonium nitrate, potassium nitrate, or sodium nitrate either alone or in blends with other fertilizers because these materials will not absorb the herbicide.
2. Do not use Maxunitech Sulfen + S-moc alone or in mixtures on straight limestone, since absorption will not be achieved. Fertilizer blends containing limestone can be impregnated.
3. To avoid crop injury, do not use the herbicide/fertilizer mixture on crops where bedding occurs.

Application with Liquid Fertilizer:

Maxunitech Sulfen + S-moc may be applied using liquid fertilizer or fertilizer and water mixtures as the carrier. Adequate soil coverage is essential to achieve acceptable levels of weed control. Herbicide mixing, solution stability and/or compatibility problems may occur when liquid fertilizers are used as a carrier. Compatibility tests must be conducted prior to mixing to insure tank mixture compatibility and stability. The use of compatibility agents may be beneficial to achieve and maintain a homogenous solution.

Mixing Instructions for Liquid Fertilizer Applications:

Fill the clean spray tank to one half of the total volume with the fertilizer solution. Start the spray tank agitation system. Pre-slurry Maxunitech Sulfen + S-moc with water prior to adding to the spray tank. Carefully rinse the empty container, adding the rinsate to the spray tank.

Complete filling the spray tank to the desired level. Sufficient and continuous spray tank agitation is required at all times to maintain a homogenous spray solution. The spray system must be designed such that there is sufficient flow capacity to uniformly apply the spray mixture and maintain adequate tank agitation. Some systems may require separate pumps to simultaneously supply the spray system and the spray tank agitation system. Ensure the Maxunitech Sulfen + S-moc slurry is thoroughly mixed before application.

For tank mixtures with other herbicide(s), a compatibility test must be conducted to ensure product compatibility before mixing. Read and follow all the directions, precautions, and restrictions of the tank mixture products prior to mixing.

Apply the Maxunitech Sulfen + S-moc spray mixture immediately after mixing. It is not recommended to store the sprayer overnight or for any extended period of time with the Maxunitech Sulfen + S-moc spray mixture remaining in the tank.

Thoroughly re-agitate spray mixture if product is left sitting in the tank for extended period of time.

If Maxunitech Sulfen + S-moc is mixed and loaded in nurse tanks, thorough agitation of spray solution is required prior to off-loading and application.

Follow all Maxunitech Sulfen + S-moc label directions regarding product use rates per acre, registered crops, application instructions, incorporation directions, special instructions, and all precautions.

All individual State regulations relating to liquid fertilizer blending, storage, transportation, registration, labeling, and application are the responsibility of the individual and/or company preparing, selling, or applying the Maxunitech Sulfen + S-moc and fertilizer mixture.

**MAXIMUM ALLOWABLE Maxunitech Sulfen + S-moc
USE PER ACRE PER 12 MONTH CROPPING YEAR PERIOD**

The total allowed usage includes all applications made to the field per twelve-month cropping year. This includes all pre plant and after plant pre emerge treatments.

RESTRICTION: Do not exceed maximum allowed use rate of sulfentrazone or S-metolachlor on each crop. **Refer to the crop section of this label for specific product use directions.**

Table 3:

Crop	Maxunitech Sulfen + S-moc Fl. oz./A	Total Lb. a.i./A	Sulfentrazone Lb. a.i./A	S-metolachlor Lb. a.i./A
Dry Beans and Peas	38.7	2.12	0.21	1.90
Horseradish	25.0	1.36	0.13	1.23
Soybeans	38.7	2.12	0.21	1.90
Sunflowers	38.7	2.12	0.21	1.90

CROP ROTATIONAL RESTRICTIONS

The following Table 4 shows the minimum interval in months from the time of the last Maxunitech Sulfen + S-moc application until Maxunitech Sulfen + S-moc treated soil can be replanted to the crops listed. Cover crops for soil health and erosion control can be planted at any time after an application of Maxunitech Sulfen + S-moc, but do not use cover crops for food or feed. Consult your local University extension service for cover crop sensitivity to Maxunitech Sulfen + S-moc. When Maxunitech Sulfen + S-moc is tank mixed with another herbicide, refer to the partner label for re-cropping instructions, following the directions that are most restrictive.

Some crops have rotational intervals greater than 12 months after a Maxunitech Sulfen + S-moc application due to potential crop injury. A representative bioassay of the field shall be completed with the rotational crop to accurately determine the planned crop's sensitivity to Maxunitech Sulfen + S-moc.

RESTRICTION: Do not rotate to food or feed crops other than those listed on the label.

Table 4:

Crop	Interval (Months)
Alfalfa*	12
Barley	4 ½
Cabbage (transplant only)	2
Cereal Grains (Oats, Pearl Millet, Proso Millet, Teosinte, WildRice)	12

Crop	Interval (Months)
Buckwheat	12
Corn, Field	4
Corn, Pop	10
Corn, Sweet	12
Cotton	18 or 12**
Cowpea (succulent)	8
Dry Shell Peas	Anytime
Dry Shell Beans	4
Horseradish	Anytime
Limas Beans-Tennessee Only	4
Peanuts	4
Potatoes	4
Rice	10
Rye	4½
Safflower	Anytime
Sorghum	10
Soybeans	Anytime
Succulent peas	8
Sugar Beets	36 or 24***
Sunflowers	Anytime
Triticale	4½
Tobacco	10
Tomato	4
Wheat	4½

*To avoid injury to rotational alfalfa:

1. Do not apply more than 1.9 lbs. a.i. S-metolachlor per acre in the previous crop.
2. Do not make lay-by or other post-emergent applications of products containing S- metolachlor in the previous crop.

** Cotton may be planted after 12 months where Maxunitech Sulfen + S-moc was applied at rates 36 fl. oz./acre or less and meets the following conditions:

- Medium and fine soils
- Ph <7.2
- Rainfall or irrigation must exceed 15" after application of Maxunitech Sulfen + S-moc to rotate to cotton.

***Sugar beets can be planted after 24 months with a successful bioassay.

For all other crops not listed, the rotation interval is a minimum of 12 months with a representative bioassay to determine crop safety before planting.

REPLANTING INSTRUCTIONS

If initial planting of labeled crops fails to produce a stand, only crops labeled for Maxunitech Sulfen + S-moc or the tank mix partner; whichever is most restrictive, may be planted based on the amount of product initially applied. When replanting use minimum soil tillage to preserve the herbicide barrier and achieve maximum weed control.

RESTRICTIONS: Do not retreat field with Maxunitech Sulfen + S-moc or another herbicide containing sulfentrazone and S-metolachlor. Do not plant treated fields to any crop at intervals that are inconsistent with the Rotational Crop Guidelines on this label.

BAND TREATMENT APPLICATIONS

For band treatments, apply the broadcast equivalent rate and volume per acre. To determine these:

$$\frac{\text{Band Width Inches}}{\text{Row Width Inches}} \times \text{Broadcast Rate Per Acre} = \text{Band Rate}$$

$$\frac{\text{Band Width Inches}}{\text{Row Width Inches}} \times \text{Broadcast Volume Per Acre} = \text{Band Volume}$$

MIXING AND LOADING INSTRUCTIONS

Maxunitech Sulfen + S-moc may be applied alone, or in tank mixtures with other labeled herbicides for the control of additional weed species. Mixtures with some other pesticides have not been tested. Conduct appropriate compatibility tests prior to tank mixing with other pesticides. It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

It is important that spray equipment is clean and free of existing pesticide residues before preparing Maxunitech Sulfen + S-moc spray mixtures. For all tanks containing spray solution follow the spray tank clean out procedures specified on the label of the product or products previously applied.

For best results fill spray tank with one half of the volume of clean water needed for the field to be treated. Start agitation system. Slowly add the Maxunitech Sulfen + S-moc to the spray tank. Carefully rinse the empty container, adding the rinsate to the spray tank. Complete filling the spray tank to the desired level. Continuous spray tank agitation is required at all times to maintain a uniform spray solution. Make sure Maxunitech Sulfen + S-moc is thoroughly mixed before application.

Use the Maxunitech Sulfen + S-moc spray mixture immediately after mixing. Avoid storing the sprayer overnight or for any extended period of time with the Maxunitech Sulfen + S-moc spray mixture remaining in the tank.

If Maxunitech Sulfen + S-moc is tank mixed with other labeled herbicides, it is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

SPRAYER EQUIPMENT CLEAN-OUT

As soon as possible after spraying Maxunitech Sulfen + S-moc and before using sprayer equipment for any other applications, the sprayer must be thoroughly cleaned to avoid potential crop effects using the following procedure.

Residues left in mixing equipment, spray tanks, hoses, spray booms and nozzles can cause crop effects if they are not properly cleaned. In addition, users must take appropriate steps to ensure proper equipment clean-out for any other products mixed with Maxunitech Sulfen + S-moc as required on the other product labels. More complete cleaning can be achieved if the spray system is cleaned immediately following the application.

1. Drain sprayer tank, hoses, spray boom and spray nozzles. Use a high-pressure detergent wash to remove physical sediment and residues from the inside of the sprayer tank and thoroughly rinse. Then, thoroughly flush sprayer hoses, spray boom and spray nozzles with a clean

- water rinse. Remove and clean spray tips and all filters and screens (tank, spray hose and spray tips) separately in the ammonia solution of Step 2.
- Next, prepare a sprayer cleaning solution by adding 3 gallons of ammonia (containing at least 3% active) per 100 gallons of clean water. Prepare sufficient cleaning solution to allow the operation of the spray system for a minimum of 15 minutes to thoroughly flush hoses, spray boom and spray nozzles.
 - Convenient and thorough cleaning of the sprayer can be achieved if the ammonia solution or fresh water is left in the spray tank, hoses, spray booms and spray nozzles overnight or during storage.
 - Before using the sprayer, completely drain the sprayer system. Rinse the tank with clean water and flush through the hoses, spray boom, and spray nozzles with clean water. Remove and clean spray tips and all filters and screens (tank, spray hose and spray tip) separately in an ammonia solution.
 - Properly dispose of all cleaning solution and rinsate in accordance with Federal, State, and local regulations and guidelines.

Do not apply sprayer cleaning solutions or rinsate to sensitive crops.

Do not store the sprayer overnight or for any extended period of time with Maxunitech Sulfen + S-moc solution remaining in the tank, spray lines, spray boom plumbing, spray nozzles or strainers. If the sprayer has been stored or idle, purge the spray boom and nozzles with clean water before beginning any application.

Should small quantities of Maxunitech Sulfen + S-moc remain in inadequately cleaned mixing, loading and/or spray equipment, they may be released during subsequent applications potentially causing effects to certain crops and other vegetation. Maxunitech North America, Inc. accepts no liability for any effects due to inadequately cleaned equipment.

Do not drain or flush equipment on or near desirable trees or plants.

Do not contaminate any body of water including irrigation water that may be used on other crops.

SOYBEANS

Table 5:

Maxunitech Sulfen + S-moc Use Rate			
Fall, Spring Early Pre-plant, Pre-emergence, and Pre-plant Incorporated Applications			
Broadcast Rate	fl. oz. Maxunitech Sulfen + S-moc Per Acre		
	Soil Texture		
% Organic Matter	Coarse	Medium	Fine
<1.5	19-25	25-32	25-32
1.5-3	25	25-32	25-32
>3	25	25-32	32-38.7
<ul style="list-style-type: none"> Refer to the previous information on soil types under the COARSE, MEDIUM, and FINE categories For soils with pH >7.2 use the lowest rate for that specific soil texture and organic matter. 			

Weeds Controlled:

The following is a general list of weeds for which Maxunitech Sulfen + S-moc has shown control or suppression. The level of control will vary per use rate, cropping system, environmental conditions, moisture levels and soil type. Maxunitech Sulfen + S-moc may not control all of the weeds listed under all crop conditions.

Amaranth, Palmer	<i>Amaranthus palmeri</i>
Amaranth, spiny	<i>Amaranthus spinosus</i>
Amaranth, spleen	<i>Amaranthus dubius</i>

Barnyardgrass	<i>Echinochloa crus-galli</i> (L.) Beauv.
Broadleaf signalgrass	<i>Urochloa platyphylla</i> (Nash) R. D. Webster
Copperleaf, hophornbeam	<i>Acalypha ostryifolia</i> Riddell
Crabgrass spp.	<i>Digitaria</i> spp.
Crowfootgrass	<i>Dactyloctenium aegyptium</i> (L.) Willd.
Cupgrass, Prairie	<i>Eriochloa contracta</i> Hitchc.
Cupgrass, Southwestern	<i>Eriochloa acuminata</i> (J. Presl) Kunth
Fall Panicum	<i>Panicum dichotomiflorum</i> Michx.
Florida Pusley	<i>Richardia scabra</i> L.
Foxtail, Giant	<i>Setaria faberi</i> Herm.
Foxtail, Green	<i>Setaria viridis</i> (L.) Beauv.
Foxtail, Robust	<i>Setaria viridis</i> var. <i>robusta</i>
Foxtail, Yellow	<i>Setaria glauca</i> (L.) Beauv.
Foxtail, bristly	<i>Setaria verticillata</i> (L.) Beauv.
Goosegrass	<i>Eleusine indica</i> (L.) Gaertn.
Groundcherry, cutleaf	<i>Physalis angulata</i> L.
Hairy galinsoga	<i>Galinsoga ciliata</i> (Raf.) Blake
Kochia (ALS- and Triazine-Resistant)	<i>Kochia scoparia</i> (L.) Schrad.
Lambsquarters, common	<i>Chenopodium album</i>
Morningglory, entireleaf	<i>Ipomea hederacea integrifusc</i>
Morningglory, ivyleaf	<i>Ipomea hederacea hederacea</i>
Morningglory, Palmleaf	<i>Ipomea Wrightii</i>
Morningglory, pitted	<i>Ipomoea lacunosa</i> L.
Morningglory, purple	<i>Ipomea turbinate</i>
Morningglory, red	<i>Ipomea coccinea</i>
Morningglory, scarlet	<i>Ipomea hederifolia</i>
Morningglory, small flower	<i>Jacquemontia tannifolia</i> (L.) Griseb.
Morningglory, tall	<i>Ipomea, purpurea</i>
Nightshade, black	<i>Solanum nigrum</i>
Nightshade, eastern black	<i>Solanum americanum</i>
Pigweed, red root	<i>Amaranthus retroflexus</i>
Pigweed, smooth	<i>Amaranthus hybridus</i>
Pigweed, spiny	<i>Amaranthus</i>
Sida, prickly	<i>Sida spinosa</i> L.
Smartweed, Pennsylvania (seedling)	<i>Polygonum pensylvanicum</i> L.
Star of Bethlehem	<i>Ornithogalum umbellatum</i> L.
Texas panicum	<i>Panicum texanum</i> L.
Thistle, Russian	<i>Salsola tragus</i> L.

Tropical Spiderwort	<i>Commelina benghalensis</i> L.
Waterhemp, common	<i>Amaranthus rudis</i>
Waterhemp, tall	<i>Amaranthus tuberculata</i>
Witch grass	<i>Panicum capillare</i> L.
SEDGES (suppression only)	
Nutsedge, purple	<i>Cyperus rotundus</i>
Nutsedge, yellow	<i>Cyperus esculentus</i>
Sedge, annual	<i>Cares</i> spp.

Fall Applications:

Maxunitech Sulfen + S-moc may be applied as a fall treatment to the stubble of harvested crops for pre-emergence control of labeled weeds the following spring in no-till and conservation tillage production systems. Fall applications of Maxunitech Sulfen + S-moc must be made in weed control programs that include, as needed, spring application of pre-plant, Pre-emergence, or post-emergence herbicides for the following crop season. Applications to ridge till production systems must be made after the formation of ridges or bedded. Apply when the sustained soil temperature at a 4-inch depth is less than 55 degrees F and falling.

If weeds are emerged at the time of application, utilize a tank mixture with a suitable burndown herbicide at labeled rates. It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

For Fall Application:

- Apply after September 30 in ND, SD, MN, WI and north of Route 30 in IA.
- Apply after October 15 north of Route 91 in NE and south of Route 30 in IA.
- Apply after October 31 north of Route 136 in IL.
- Do not make fall applications south of Interstate 70.

Early Pre-plant, Pre-plant Incorporated, and Pre-emergence Applications (Spring Applications):

Use on medium to fine soils with minimum tillage or no-tillage systems in CO, CT, DE, IA, IL, IN, KS, KY, MA, MD, ME, MI, MN, MO, MT, ND, NE, NH, NY, OH, PA, RI, SD, TN, VA, VT, WI, WV, and WY.

Maxunitech Sulfen + S-moc can be applied Early Pre-plant, Pre-plant Incorporated or Pre-emergence up to 3 days after planting but prior to emergence. For pre-plant incorporated applications, incorporation must be uniform and no deeper than 2 inches. Improper soil incorporation may result in erratic weed control and/or crop injury. Maxunitech Sulfen + S-moc applied near or after crop emergence may cause severe injury to the crop. Maxunitech Sulfen + S-moc can be applied alone or in combination with other soybean herbicides, including those containing sulfentrazone, as long as the sulfentrazone active ingredient rate does not exceed 0.375 lb. a.i./A per year.

Maxunitech Sulfen + S-moc may be followed by labeled post-emergence soybean herbicides for increased control of grass and broadleaf weeds. It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture. When using Maxunitech Sulfen + S-moc in no-till or minimum till cropping systems, tank mix with an appropriate burndown herbicide for improved control of existing weeds. Apply on coarse soils no more than 2 weeks prior to planting.

Precautions:

- When applying Maxunitech Sulfen + S-moc with other registered herbicides, refer to specific label information on precautions, restrictions, instructions, limitations, application methods and timings, and weeds controlled.

Restrictions:

- Do not apply more than 38.7 fl. oz. (1.91 lbs. a.i. s-metolachlor and 0.21 lb. a.i. sulfentrazone) per acre of Maxunitech Sulfen + S-moc per crop year.
- Do not apply more than 38.7 fl. oz. (1.91 lbs. a.i. s-metolachlor and 0.21 lb. a.i. sulfentrazone) of Maxunitech Sulfen + S-moc per acre

per application.

- Do not apply more than 2 applications of this product per year when using reduced application rates equal to or less than 19.3 fl oz per acre.
- Do not apply more than 0.375 lb. a.i. sulfentrazone total per acre per year.
- Do not graze or feed treated soybean forage, hay, or straw to livestock for 30 days after treatment.
- Do not use on soils classified as sand, which have less than 1% organic matter.
- Do not apply to frozen soils or existing snow cover to prevent Maxunitech Sulfen + S-moc runoff from rain or snowmelt that may occur following application.
- Do not apply after crop seed germination.

SUNFLOWERS

Table 6:

Maxunitech Sulfen + S-moc Use Rate			
Pre-emergence and Pre-plant Incorporated Applications			
Broadcast Rate	Fl. Oz. Maxunitech Sulfen + S-moc Per Acre		
	Soil Texture		
% Organic Matter	Coarse	Medium	Fine
<1.5	19-21	19-25	21-30
1.5-3	19-25	21-32	25-32
>3	21-25	25-32	32-38.7
<ul style="list-style-type: none"> • Refer to the previous information on soil types under the COARSE, MEDIUM, and FINE categories • For soils with pH >7.2 use the lowest rate for that specific soil texture and organic matter. 			

Weeds Controlled:

When applied according to directions in sunflower, Maxunitech Sulfen + S-moc will provide control of:

Amaranth, Palmer	Thistle, Russian
Kochia (ALS- and Triazine-Resistant)	Waterhemp, common
Lambsquarters, common	Waterhemp, tall
Morningglory, ivyleaf	Barnyardgrass
Morningglory, tall	Fall Panicum
Nightshade, Eastern black	Foxtail, giant
Nightshade, black	Foxtail, green
Pigweed, red root	Foxtail, yellow
Pigweed, smooth	Witch grass

Note: Partial control will occur under dry conditions, under heavy pest pressure or at low use rates under 26 fl. oz. Under these conditions plan to use a labeled post-emergence herbicide for improved control.

Pre-emergence (Spring Applications):

Maxunitech Sulfen + S-moc can be applied Pre-emergence up to 3 days after planting as a soil surface application if seedlings have not broken the soil surface and if the seed furrow is completely closed and completely covered with soil. Adequate moisture (1/2" to 1") is required for herbicide activation from rainfall or irrigation. If adequate moisture is not received within 7 to 10 days after the Maxunitech Sulfen + S-moc treatment, a shallow incorporation may (less than 2 inches) be needed to obtain desired weed control. When activating moisture is not received a planned post-emergence application of a labeled herbicide will be needed for optimum weed control. If an activating rainfall (1/2" to 1") is not

received Maxunitech Sulfen + S-moc will provide a reduced and inconsistent level of control of susceptible germinating weeds. If dry conditions persist, weed control may be reduced. If applying on coarse soils with less than 1.5% organic matter, wait a minimum of 7 days after application before planting.

If weeds are emerged at the time of Maxunitech Sulfen + S-moc application, use a labeled burndown herbicide such as ascarfentrazone-ethyl, glyphosate or paraquat at the full-labeled rate in combination with Maxunitech Sulfen + S-moc as needed.

Spring Pre-Plant Incorporated (PPI):

When planting into soil treated pre-plant with Maxunitech Sulfen + S-moc minimize soil disturbance to maintain the herbicide barrier on the soil surface to achieve maximum weed control. Maxunitech Sulfen + S-moc can be applied as a Pre-plant Incorporated treatment in the spring up to 2 weeks prior to planting in reduced and conventional tillage sunflowers. Maxunitech Sulfen + S-moc should be shallowly incorporated in the soil no deeper than 2 inches. Incorporating Maxunitech Sulfen + S-moc deeper than 2 inches can result in inconsistent weed control. Use the appropriate rate from Table 9 above for the soil texture, soil organic matter, and soil pH level.

Precautions:

- Plant sunflowers 1.5" deep and completely cover with soil.
- Adverse crop response may occur on coarse-textured soils with low organic matter (less than 1.5%) and pH of 7.2 or higher, or on highly eroded soils, hilltops, or in areas of calcareous outcroppings. Maxunitech Sulfen + S-moc use rates should be reduced to 14 fl. oz. in those areas or not applied in these areas at all. Inadequate seed furrow closure or shallow planting (less than 1.5 inch) may result in undesirable crop response and this product should not be applied. Poor growing conditions such as excessive moisture, low temperatures, soil compaction and diseases may also cause undesirable crop response.

These Crop Specific Use directions are based upon the interactive effects of Maxunitech Sulfen + S-moc and the primary soil and environmental factors, which affect its activity on various weed species and tolerance among crops. The user is required to observe the instructions and guidance previously presented under Product Application Instructions, Maxunitech Sulfen + S-moc Product Use Rates, Rotational Crop Guidelines, Replanting Instructions, Weed Controlled and any other section of this label pertinent to the anticipated crop use. It is important to note that not all varieties or cultivars of a given crop species have been evaluated under treatment with Maxunitech Sulfen + S-moc. Consult seed companies and university or extension weed management personnel for additional information on specific local varieties or cultivars and any other pertinent information on Maxunitech Sulfen + S-moc under specific local conditions.

Restrictions:

- Do not apply more than 38.7 fl. oz. (1.91 lbs. a.i. s-metolachlor and 0.21 lb. a.i. sulfentrazone) of Maxunitech Sulfen + S-moc per acre per crop year.
- Do not apply more than 38.7 fl. oz. (1.91 lbs. a.i. s-metolachlor and 0.21 lb. a.i. sulfentrazone) of Maxunitech Sulfen + S-moc per acre per application.
- Do not apply more than 2 applications of this product per year when using reduced application rates equal to or less than 19.3 fl oz per acre.
- Do not apply herbicides containing sulfentrazone to sunflowers if Maxunitech Sulfen + S-moc has been previously applied within the same twelve-month period.
- Do not apply to frozen soils or existing snow cover to prevent Maxunitech Sulfen + S-moc runoff from rain or snowmelt that may occur following application.
- Do not allow livestock to graze or feed in treated area.
- Do not apply after crop seed germination.
- Do not use on soils classified as sand, which have less than 1% organic matter.

DRY SHELLED BEANS AND PEAS

Dried cultivars of bean (*Lupinus*); bean (*Phaseolus*)(includes field bean, black bean, kidney bean, lima bean (dry), navy bean, pink bean, pinto bean, tepary bean), small red bean, great northern bean; bean (*Vigna*) (includes adzuki bean, blackeyed pea, catjang, cowpea, crowder pea moth bean, lentil, mung bean, rice bean, southern pea, urd bean); broad bean (dry); guar; Lablab bean; pea (*Pisum*) (includes field pea and chickpea) and pigeonpea.

Table 7:

Maxunitech Sulfen + S-moc Use Rate			
Fall or Spring Early Pre-plant, Pre-emergence, and Pre-plant Incorporated Applications			
Broadcast Rate	Fl. Oz. Maxunitech Sulfen + S-moc Per Acre		
	Soil Texture		
% Organic Matter	Coarse	Medium	Fine
<1.5	Do not use	19-26	19-26
1.5-3	19-26	21-32	26-32
>3	21-26	26-32	32-38.7
<ul style="list-style-type: none"> ● Refer to the previous information on soil types under the COARSE, MEDIUM, and FINE categories ● For soils with pH >7.2 use the lowest rate for that specific soil texture and organic matter. 			

Weeds Controlled:

The following is a general list of weeds for which Maxunitech Sulfen + S-moc has shown control or suppression. The level of control will vary per use rate, cropping system, environmental conditions, moisture levels and soil type. Maxunitech Sulfen + S-moc may not control all of the weeds listed under all crop conditions. For crops where lower use rates are needed for crop tolerance refer to their specific weed list.

Amaranth, Palmer	Thistle, Russian
Kochia (ALS- and Triazine-Resistant)	Waterhemp, common
Lambsquarters, common	Waterhemp, tall
Morningglory, ivyleaf	Barnyardgrass
Morningglory, tall	Fall Panicum
Nightshade, Eastern black	Foxtail, giant
Nightshade, black	Foxtail, green
Pigweed, red root	Foxtail, yellow
Pigweed, smooth	Witch grass

Note: Partial control will occur under dry conditions, under heavy pest pressure or at low use rates under 26 fl. oz. Under these conditions plan to use a labeled post-emergence herbicide for improved control.

Fall Application:

Maxunitech Sulfen + S-moc may be applied in the fall following crop harvest or in existing fallow fields to control or suppress weeds the following season. Maxunitech Sulfen + S-moc should be applied to the harvested crop stubble or soil surface without incorporation. Moisture in the form of rain or snow will move and activate the product. Do not mechanically incorporate in the fall or spring after application because this activity may destroy the herbicide barrier and weed escapes can occur. Do not apply to frozen soils to prevent Maxunitech Sulfen + S-moc runoff from rain or snow that may occur following application. Maxunitech Sulfen + S-moc may be tank mixed with other labeled herbicides to control emerged weeds. When activating moisture is not received a planned post-emergence application of a labeled herbicide will be needed for optimum weed control. If an activating rainfall (1/2" to 1") is not received Maxunitech Sulfen + S-moc will provide a reduced and inconsistent level of control of susceptible germinating weeds. If dry conditions persist, weed control may be reduced. Fall application of Maxunitech Sulfen + S-moc may require a follow up grass herbicide treatment as grass escapes may occur.

Maxunitech Sulfen + S-moc should be applied when the sustained soil temperature is 55°F and falling at a soil depth of 4 inches. Applications to ridge till production systems must be made after the formation of ridges or bedded.

For Fall Application:

- Apply after September 30 in ND, SD, MN, and WI and north of Route 30 in IA.
- Apply after October 15 north of Route 91 in NE and south of Route 30 in IA.
- Apply after October 31 north of Route 136 in IL.

Maxunitech Sulfen + S-moc can be tank mixed with other labeled herbicides. It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

Early Pre-plant and Pre-emergence (Spring Applications):

Maxunitech Sulfen + S-moc can be applied early pre-plant or Pre-emergence up to 3 days after planting if seedlings have not broken the soil surface and if the seed furrow is completely closed and completely covered with soil. Adequate moisture (1/2" to 1") is required for herbicide activation from rainfall. If adequate moisture is not received within 7 to 10 days after the Maxunitech Sulfen + S-moc treatment, a shallow incorporation (less than 2 inches) may be needed to obtain desired weed control. When activating moisture is not received a planned post-emergence application of a labeled herbicide will be needed for optimum weed control. If an activating rainfall (1/2" to 1") is not received Maxunitech Sulfen + S-moc will provide a reduced and inconsistent level of control of susceptible germinating weeds. If dry conditions persist, weed control may be reduced. If weeds are emerged at the time of Maxunitech Sulfen + S-moc application, use a burndown herbicide such as AIM herbicide, glyphosate or paraquat at the full-labeled rate in combination with Maxunitech Sulfen + S-moc as needed.

Pre-Plant Incorporated (PPI):

Maxunitech Sulfen + S-moc can be applied as a Pre-plant Incorporated treatment in the spring prior to planting in reduced and conventional tillage dry beans and peas. Maxunitech Sulfen + S-moc should be shallowly incorporated in the soil no deeper than 2 inches. Incorporating Maxunitech Sulfen + S-moc deeper than 2 inches can result in inconsistent weed control. Minimize furrow and ridge formation in the tillage operations. Use the appropriate rate from Table 11 above for the soil texture, soil organic matter, and soil pH level.

Precautions:

- Under extended periods of dry weather, adequate weed control may not be achieved. Adequate moisture (1/2" to 1") is required for herbicide activation from rainfall. If adequate moisture is not received within 7 to 10 days after the Maxunitech Sulfen + S-moc treatment, a shallow incorporation may be needed to obtain desired weed control. When activating moisture is not received a planned post-emergence application of a labeled herbicide will be needed for optimum weed control. If an activating rainfall (1/2" to 1") is not received Maxunitech Sulfen + S-moc will provide a reduced and inconsistent level of control of susceptible germinating weeds. If dry conditions persist, weed control may be reduced.
- Adverse crop response may occur on coarse-textured soils with low organic matter (less than 1.5%) and pH of 7.2 or higher, or on highly eroded soils, hilltops, or in areas of calcareous outcroppings. Maxunitech Sulfen + S-moc use rates should be reduced to 13 fl. oz. in those areas or not applied in these areas at all. Inadequate seed furrow closure or shallow planting (less than 1.5 inch) may result in undesirable crop response and this product should not be applied. Poor growing conditions such as excessive moisture, low temperatures, soil compaction and diseases may also cause undesirable crop response.

These Crop Specific Use directions are based upon the interactive effects of Maxunitech Sulfen + S-moc and the primary soil and environmental factors, which affect its activity on various weed species and tolerance among crops. The user is required to observe the instructions and guidance previously presented under Product Application Instructions, Maxunitech Sulfen + S-moc Product Use Rates, Rotational Crop Guidelines, Replanting Instructions, Weed Controlled, Crop Liability Disclaimer and any other section of this label pertinent to the anticipated crop use. It is important to note that not all varieties or cultivars of a given crop species have been evaluated under treatment with Maxunitech Sulfen + S-moc. Consult seed companies and university or extension weed management personnel for additional information on specific local varieties or cultivars and any other pertinent information on Maxunitech Sulfen + S-moc under specific local conditions.

Restrictions:

- Do not apply more than 38.7 fl. oz. (1.91 lbs. a.i. s-metolachlor and 0.21 lb. a.i. sulfentrazone) of Maxunitech Sulfen + S-moc per acre per year.
- Do not apply more than 38.7 fl. oz. (1.91 lbs. a.i. s-metolachlor and 0.21 lb. a.i. sulfentrazone) of Maxunitech Sulfen + S-moc per acre per application.
- Do not apply more than 2 applications of this product per year when using reduced application rates equal to or less than 19.3 fl oz per

acre.

- Do not apply additional sulfentrazone containing products to dry field beans and peas if Maxunitech Sulfen + S-moc has been previously applied within the same twelve-month period.
- Do not apply after crop emerges, or if the seedling is close to the soil surface.
- Do not incorporate to depths greater than 2 inches.
- Do not apply to frozen soils or to existing snow cover to prevent Maxunitech Sulfen + S-moc runoff from rain or snow melt that may occur following application.
- Do not use on soils classified as sand, which have less than 1% organic matter.
- Do not use for forage within 60 days after an application of Maxunitech Sulfen + S-moc.
- Do not cut for hay within 120 days after an application of Maxunitech Sulfen + S-moc.

HORSERADISH

Apply a single application of Maxunitech Sulfen + S-moc at a broadcast rate of 19-25 fl. oz. per acre to the soil surface after planting but before weed or crop emergence. Use listed lower rates on soils relatively coarse-textured and listed higher rates on fine-textured soils.

Apply in at least 10 gallons per acre finished spray solution by ground.

Following the application of Maxunitech Sulfen + S-moc to soil, germinating seeds and seedlings take up Maxunitech Sulfen + S-moc from the soil solution. The amount of Maxunitech Sulfen + S-moc in soil solution available for weed uptake is determined primarily by soil type, soil organic matter and soil pH. Similar to other herbicides, Maxunitech Sulfen + S-moc adsorbs to the clay and organic matter (OM) fractions of soils; effectively limiting the amount of active ingredient immediately available to control weeds. Adequate moisture is required for herbicide activation (1/2" to 1" of rainfall or irrigation). If an activating rainfall (1/2" to 1") is not received Maxunitech Sulfen + S-moc will provide a reduced level of control of susceptible germinating weeds.

Weeds Controlled:

The following is a general list of weeds for which Maxunitech Sulfen + S-moc has shown control or suppression. The level of control will vary per use rate, cropping system, environmental conditions, moisture levels and soil type. Maxunitech Sulfen + S-moc may not control all of the weeds listed under all crop conditions. For crops where lower use rates are needed for crop tolerance refer to their specific weed list.

Barnyardgrass	Nightshade, black
Fall panicum	Nightshade, eastern black
Foxtail, giant	Palmer amaranth
Foxtail, green	Pennsylvania smartweed
Foxtail, yellow	Pigweed, red root
Morningglory, entireleaf	Pigweed, smooth
Morningglory, ivyleaf	Waterhemp, common
Morningglory, pitted	Waterhemp, tall
Morningglory, smallflower	

Restrictions:

- Do not exceed 25 fl. oz. (1.23 lb. a.i. s-metolachlor and 0.14 lb. a.i. sulfentrazone) of Maxunitech Sulfen + S-moc per acre per crop year.
- Do not exceed 25 fl. oz. (1.23 lb. a.i. s-metolachlor and 0.14 lb. a.i. sulfentrazone) of Maxunitech Sulfen + S-moc per acre per application.
- Do not apply more than 1 application of this product per year.
- Do not use on soils classified as sand, which have less than 1% organic matter.
- Do not apply to frozen soils or to existing snow cover to prevent Maxunitech Sulfen + S-moc runoff from rain or snow melt that may occur following application.
- Do not apply directly on the crop after the crop emerges or if the seedling sprouts are close to the soil surface.
- Harvest horseradish at normal timing.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE: Store product in original container only, away from other pesticides, fertilizer, food, or feed. Do not use or store around the home. Avoid storage below 32F. Product that has been frozen should be thawed and recirculated prior to its use. Store in a cool, dry place and avoid excess heat.

In Case of Spill: In case of spill, avoid contact, isolate area, and keep out animals and unprotected persons. Confine spills. Call CHEMTREC (Transportation and spills): 1-800-424-9300.

To Confine Spill: To confine spill: If liquid, dike surrounding area or absorb with sand, cat litter or commercial clay. If dry material, cover to prevent dispersal. Place damaged package in a holding container. Identify contents.

PESTICIDE DISPOSAL: Waste resulting from the use of this product must be disposed of at an approved waste disposal facility.

CONTAINER HANDLING:

NONREFILLABLE CONTAINER (EQUAL TO OR LESS THAN 5 GALLONS): DO NOT reuse or refill this container. Triple rinse container (or equivalent) 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 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. 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.

CONDITION OF SALE AND 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 Maxunitech North America, Inc. To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer. **DISCLAIMER OF WARRANTIES:** To the extent consistent with applicable law, Maxunitech 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 Maxunitech 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, Maxunitech 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 Maxunitech North America, Inc.'s election, the replacement of product.