

This is a specimen label, intended for use only as a guide in providing general information regarding use of this product. As labels are subject to revision, always carefully read and follow the label on the product container.

MSM E•Pro

Turf Herbicide

ACTIVE INGREDIENT:

Metsulfuron methyl: Methyl 2-[[[(4-methoxy-6-methyl-1,3,5-triazin-2-yl) amino]-carbonyl]amino]sulfonyl]benzoate

By Weight

60.0%

OTHER INGREDIENTS:

40.0%

TOTAL:

100.0%

KEEP OUT OF REACH OF CHILDREN
CAUTION

**See inside label booklet for FIRST AID
and additional PRECAUTIONARY STATEMENTS**

EPA Reg. No. 81959-14
EPA Est. No. 82414-CHN-001

Product of China

Manufactured for:
Etigra, LLC
2214 Hwy 44 West
Inverness, FL 34453

REV 1006


ETIGRA™

FIRST AID	
If on skin or clothing:	<ul style="list-style-type: none"> Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 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 15-20 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.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-424-9300 for emergency medical treatment information.	

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION

Causes eye irritation. Avoid contact with skin, eyes or clothing. Avoid breathing dust or spray mist.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks

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

USER SAFETY RECOMMENDATIONS	
Users Should:	
<ul style="list-style-type: none"> Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. 	

Engineering Control 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.

IMPORTANT: When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for “applicators and other handlers” and have such PPE immediately available for use in a emergency, such as a spill or equipment break-down.

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 apply where runoff water may flow, during periods of intense rainfall or to water-saturated soils as off-target movement and injury may occur. Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

This herbicide is injurious to plants at extremely low concentrations. Nontarget plants may be adversely affected from drift and run-off.

IMPORTANT

DO NOT USE ON FOOD OR FEED CROPS. Injury to or loss of desirable trees or other plants may result if the precautions listed below are not followed.

- Do not apply MSM E-Pro – Turf Herbicide (except as recommended), or drain or flush equipment on or near desirable trees or other plants, or on areas where their roots may extend or in locations where the product may be washed or moved into contact with their roots.
- Do not use on lawns, walks, driveways, tennis courts, or similar areas except as recommended by this label.
- Prevent drift of spray to desirable plants.
- Do not contaminate any body of water, including irrigation water.
- Keep from contact with fertilizers, insecticides, fungicides and seeds.

Spraying and mixing equipment used with MSM E-Pro – Turf Herbicide must not be used for subsequent applications to food or feed crops with the exception of pastures, rangeland and wheat, as low rates of MSM E-Pro – Turf Herbicide can kill or severely injure most food or feed crops.

RESISTANCE

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

To better manage herbicide resistance through delaying the proliferation and possible dominance of herbicide resistance weed biotypes, it may be necessary to change cultural practices within and between crop seasons such as using a combination of tillage, retreatment, tank-mix partners and/or sequential herbicide applications that have a different site of action. Weed escapes that are allowed to go to seed will promote the spread of resistant biotypes.

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

INTEGRATED PEST MANAGEMENT

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

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency in your State responsible for pesticide regulation.

MSM E-Pro – Turf Herbicide should be used only in accordance with recommendations on this label.

Etigra will not be responsible for losses or damages resulting from the use of this product in any manner not specifically recommended by Etigra. User assumes all risks associated with such non-recommended use.

Do not apply more than 4 ounces MSM E-Pro – Turf Herbicide per acre per year.

Do not use on food or feed crops.

TANK MIXES

MSM E-Pro – Turf Herbicide may be tank mixed with other herbicides registered for the use sites described in this label. Use only those tank mix partners which are labeled for the appropriate use site. When tank mixing, use the most restrictive label limitations for each of the products being used in the tank mix.

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 4 HOURS.
PPE required for early entry that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is: <ul style="list-style-type: none"> Coveralls Shoes plus socks

NON-AGRICULTURAL USE REQUIREMENTS
The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses.
Do not enter or allow others to enter the treated area until sprays have dried.
Selective weed control in turf (industrial, unimproved only) are not within the scope of the Worker Protection Standard.

GENERAL INFORMATION

MSM E-Pro – Turf Herbicide is for use on Ornamental Turf, such as Lawns, Parks, Cemeteries, Golf Courses (Fairways, Aprons, Tees and Roughs) and similar non-crop areas. This product may also be used on Sod Farms.

MSM E-Pro – Turf Herbicide controls the following perennial and annual weedy grasses:

Annual sowthistle	Crown vetch	Redroot pigweed
Aster	Curly dock	Redstem filaree
Bittercress	Dandelion	Shepherdspurse
Blue mustard	Dog fennel	Smallseed flaxweed
Buckhorn	False chamomile	Smooth pigweed
Bur buttercup	Fiddleneck tarweed	Spurge (prostrate)
Canada thistle	Field pennycress	Sweet clover
Carolina geranium	Flixweed	Tansy mustard
Chicory	Goldenrod	Treacle mustard
Clover (white)	Henbit	Tumble mustard
Common chickweed	Hoary cress (whitetop)	Virginia buttonweed
Common groundsel	Kochia	Wild carrot
Common mullein	Lambsquarters	Wild celery
Common purslane	Miners lettuce	Wild garlic
Common sunflower	Pennsylvania smartweed	Wild lettuce
Common yarrow	Plantain	Wild mustard
Conical catchfly	Prickly lettuce	Wild onion
Cow cockle	Prostrate knotweed	Wood sorrel (oxalis)

For use only on Kentucky Bluegrass, fine Fescue, Bermudagrass and St. Augustine grass turf areas.

USE PRECAUTIONS

Use lower rates for minimum chlorosis of the turf.

Do not apply MSM E-Pro – Turf Herbicide to turf under stress from drought, insects, disease, cold temperatures, high temperatures of above 85°F on cool season grasses, or poor fertility as injury may result.

Do not apply to turf less than 1 year old.

Do not use on bahiagrass where it is the desired turf, as severe injury may result.

Do not plant ornamentals such as shrubs, and trees in treated areas for at least 1 year after the last application, or bedding plants for at least 2 years.

IMPORTANT

Addition of nonionic surfactant of at least 80% active ingredient at 0.25 percent by volume (1qt/gal) provides maximum performance, but may temporarily increase chlorosis of the turf.

Allow one week between the application of MSM E-Pro – Turf Herbicide and other control (pesticide containing) products. (This guideline can be relaxed where severe insect or disease attack requires immediate treatment).

DO NOT USE ON FOOD OR FEED CROPS. Injury to or loss of desirable trees or other plants may result from failure to observe the following: Do not apply MSM E-Pro – Turf Herbicide (except as recommended) or drain or flush equipment on or neat desirable trees or other plants. Or on areas where their roots may extend or in locations where the chemical may be washes or moved into contact with their roots.

When overseeding, wait 2 months (8 weeks) after application. Do not apply to any body of water, including streams, irrigation water or wells. Do not apply where runoff water may flow onto agricultural land, as injury to crops may result.

Do not allow spray drift onto adjacent crops or other desirable plants or trees as injury may occur.

Follow these practices to minimize drift:

- Stop spraying if wind speed becomes excessive. Spray drift can occur at wind speeds less than 10 MPH. If sensitive plants are downwind, extreme caution must be used. Do not spray if winds are gusty.
- High temperatures, drought and low relative humidity increases the possibility of harmful spray drift. Caution must be used when these conditions are present and sensitive plants are nearby.
- Use large droplet size sprays to minimize drift.
- Use spray pressures of 35 psi or less when applying this product.

HOW TO USE

Use spray volumes of 20 to 80 gal/acre and pressures of 25 to 35 psi at the following rates of MSM E-Pro – Turf Herbicide for the weeds listed below:

0.125 to 0.25 oz PRODUCT/ACRE

Ryegrass (greens)

0.25 to 0.33 oz PRODUCT/ACRE

Bittercress	Clover (white)	Parsley-piert
Blue mustard	Creeping beggarweed	Prostrate spurge
Bur buttercup	Dandelion	Redstem filaree
Chickweed	Field pennycress	Spurweed
Chicory	Ground ivy (Fall)	Wild carrot

0.33 to 0.5 oz PRODUCT/ACRE

Annual sowthistle	Miners lettuce	Sweet clover
Aster	Plantain	Tansy mustard
Carolina geranium	Prickly lettuce	Treacle mustard
Common yarrow	Ragweed	Tumble mustard
Crown vetch	Redroot pigweed	Wild celery
Florida betony	Ryegrass (fairways)	Wild garlic
Ground ivy (Spring*)	Seedling dogfennel	Wild lettuce
Henbit	Shepherdspurse	Wild onion
Lambsquarters	Smooth pigweed	Woodsorrels (oxalis)
Lespedeza	Smallseed falseflax	

0.25 to 0.75 oz PRODUCT/ACRE

Bahiagrass*

0.5 to 1 oz PRODUCT/ ACRE

Brazil parsley	Crabgrass	Pennsylvania smartweed
Buckhorn plantain	Dogfennel	Plantain
Canada thistle**	Dollarweed*	Prostrate knotweed
Curly dock	Florida pusley	Sida (southern)
Common groundsel	Foxtail	Virginia buttonweed***
Common purslane	Hoarycress (whitetop)	Wild mustard
Common sunflower	Kochia	

* A repeat application may be required in 4 to 6 weeks.

** Suppression only involving a visual reduction in competition compared to an untreated area.

*** Controls seeding Virginia buttonweed. Suppression only of more mature plants. Repeat application may be required in 4 to 6 weeks.

The required amount of MSM E-Pro – Turf Herbicide should be added when the spray tank is half full of water and, with agitator running, add the proper amount of product. Finish adding the required amount of water. Continuous agitation is required to keep the product in suspension.

Spray preparations of this product may degrade in acid solutions if not used in 24 hours; it is stable in alkaline solutions. Thoroughly reagitate before using.

Tank mixes with other registered herbicides should be tested for compatibility before full scale mixing. Use mechanical or bypass agitation to thoroughly mix the spray suspension. It is not necessary to premix this product with water in a separate container prior to adding it to the spray tank. This product should always be added to the tank first, before any other herbicides or adjuvants.

Use on Kentucky Bluegrass and Fine Fescue:

Apply 0.25 to 0.5 oz of MSM E-Pro – Turf Herbicide per acre for control of the listed weeds. Do not exceed 0.5 oz per acre within a 9-months period.

Use on St. Augustinegrass, Bermudagrass and Zoysiagrass (Meyers and Emerald):

Apply 0.25 to 1.0 oz MSM E-Pro – Turf Herbicide per acre for weed control. Some chlorosis or stunting of the turfgrass may occur following application.

Bahiagrass Control:

For the selective control of Bahiagrass in Bermudagrass turf, use 0.25 to 0.75 oz of MSM E-Pro – Turf Herbicide per acre. Use the higher rates of the range on Argentine, Common and Paraguayan Bahiagrass. Apply a repeat treatment in 4 to 6 weeks if necessary. Some chlorosis or stunting of the Bermudagrass may occur following the application.

Use on Centipedegrass:

Apply 0.25 to 0.5 oz of this product per acre for weed control. Some chlorosis or stunting of the turfgrass may occur following the application.

IMPORTANT:

Addition of a nonionic surfactant of at least 80% active ingredient at 0.25% by volume (1 qt/100 gals) provides maximum performance, but may temporarily increase chlorosis of the turf.

Allow one week between the application of MSM E-Pro – Turf Herbicide and other control (pesticide-containing) products. (This guideline can be relaxed where a severe insect or disease attack requires immediate treatment.)

RECOMMENDED SPRAYER CLEANUP

Immediately after spraying thoroughly remove all traces of MSM E-Pro – Turf Herbicide from mixing and spray equipment as follows:

1. Drain tank, rinse interior surface of tank, then flush tank, boom and hoses with clean water for a minimum of 5 minutes.
2. Fill the tank with clean water, then add an ammonia cleaning solution. Use on gallon ammonia (containing 3% active) per 100 gallons of water. Turn on sprayer long enough to flush through boom, hoses and nozzles. Stop spraying, but keep agitator working in the tank for 15 minutes, then drain.
3. Repeat step 2.
4. Repeat step 1.
5. Nozzles and screens should then be removed and cleaned separately. To remove traces of cleaning solution, rinse the tank thoroughly with clean water and flush through hoses and boom.
6. Flush boom and hoses with clean water for 5 minutes just prior to using the sprayer for the first time after MSM E-Pro – Turf Herbicide application.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store product in original container only. Store in cool, dry place.

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

CONTAINER DISPOSAL: Triple rinse (or equivalent). 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.

CONDITION OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product should be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather, presence of other materials or other influencing factors in the use of the product, which are beyond the control of Etigra, LLC or Seller. To the fullest extent permitted by law, all such risks shall be assumed by the Buyer and User, and Buyer and User agree to hold Etigra, LLC and Seller harmless for any claims relating to such factors.

Etigra, LLC warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or Etigra, LLC, and Buyer and User assume the risk of any such use. ETIGRA, LLC MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

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