



OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

September 17, 2024

Leanna Bosarge
Director, Regulatory Affairs
Control Solutions, Inc.
5903 Genoa-Red Bluff
Pasadena, TX 77507-1041

Subject: Label Amendment - Registration Review Mitigation for Metsulfuron-methyl
Product Name: MSM Plus Weed and Feed
EPA Registration Number: 53883-262
Application Date: December 27, 2017
Decision Number: 596112

Dear Leanna Bosarge:

The Agency, in accordance with the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, has completed reviewing all the information submitted with your application to support the Registration Review of the above referenced product in connection with the Metsulfuron-methyl Interim Decision, and has concluded that your submission is acceptable. The label referred to above, submitted in connection with registration under FIFRA, as amended, is acceptable.

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

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling and must be used at your next label printing. You must

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

If you have any questions about this letter, please contact Concepción Rodríguez by phone at 202-566-0820, or via email at rodriguez.concepcion@epa.gov.

Sincerely,

A handwritten signature in blue ink, appearing to read "Linda Arrington", with a stylized flourish at the end.

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

ENCLOSURE: Stamped label

MSM PLUS

Weed and Feed Fertilizer

XX-X-XX

For Use on St. Augustine, Bermudagrass, Zoysia, And Buffalograss Lawns for control of certain broadleaf weeds and grasses in turf of residential lawns, commercial and industrial sites, and golf courses.

ACTIVE INGREDIENT:

Metsulfuron-methyl (CAS #74223-64-6) . . . 0.00215%
 OTHER INGREDIENTS: 99.99785%
 TOTAL: 100.00000%

Contains 0.0043 lbs. of Metsulfuron-Methyl per ton.
 This is equivalent to an actual application rate of 0.00375 lb. active ingredient metsulfuron-methyl per acre when used as directed.

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID	
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.
If Swallowed:	<ul style="list-style-type: none"> • Call 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 the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If Inhaled:	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. • Call a poison control center or doctor for further treatment advice.
If on Skin or Clothing:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Causes moderate eye irritation. Harmful if swallowed, inhaled or absorbed through skin. Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling.

ENVIRONMENTAL HAZARDS

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

This herbicide is injurious to plants at low concentrations. Nontarget plants may be adversely affected from drift and runoff.

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

ACCEPTED

Sep 17, 2024

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 53883-262

This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having high potential for reaching surface water via runoff for weeks 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 metsulfuron methyl from runoff water and sediment. Runoff of this product will be greatly reduced by avoiding applications when rainfall or irrigation is expected to occur within 48 hours.

STORAGE AND DISPOSAL

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

Pesticide Storage: Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

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

Container Disposal: Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available. Completely empty bag into application equipment. Dispose of empty bag in a sanitary landfill or by incineration or if allowed by the state and local authorities, by burning. If burned, stay out of smoke.

DIRECTIONS FOR USE

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

Not for use on sod farms.

WEED RESISTANCE MANAGEMENT

For resistance management, CSI 15-113 MSM .165GR is a Group 2 herbicide. Any weed population may contain or develop plants naturally resistant to CSI 15-113 MSM .165GR and other Group 2 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. See use restrictions section for maximum application rates.

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

Rotate the use of CSI 15-113 MSM .165GR or other Group 2 herbicides within a growing season sequence or among growing seasons with different herbicide groups that control the same weeds in a field.

Adopt an integrated weed-management program for herbicide use that includes scouting and uses historical information related to herbicide use and that considers cultural (e.g., precision fertilizer application method and timing to favor the turf and not the weeds), biological and other management practices.

Users should scout before and after application.

Scout 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.

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 turf types and weed biotypes.

For further information or to report suspected resistance, contact Control Solutions, Inc. representatives at 1-800-242-5562.

Non-Target Organism Advisory Statement: 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 area. Protect the forage and habitat of non-target organisms by minimizing drift.

WINDBLOWN SOIL PARTICLES: This product has the potential to move off-site due to wind erosion. Soils that are subject to wind erosion usually have a high silt and/or fine to very fine sand fractions and low organic matter content. Other factors which can affect the movement of windblown soil include the intensity and direction of prevailing winds, vegetative cover, site slope, rainfall, and drainage patterns. Avoid applying this product if prevailing local conditions may be expected to result in off-site movement.

For Use On St. Augustine, Bermudagrass, Zoysia, and Buffalograss Lawns for control of listed broadleaf weeds and grasses in turf of residential lawns, commercial and industrial sites, and golf courses.

Handle and open container in a manner as to prevent spillage. If material is spilled for any reason or cause, carefully contain any spilled material to prevent non-target contamination. Do not walk through spilled material and dispose of as directed for pesticides above. Refer to Precautionary Statements on label for hazards associated with the handling of this material. In spill or leak incidents, keep unauthorized people away.

MSM Plus Controls

Grasses: Bahiagrass, ryegrass

Broadleaves:

Annual blue-eyed grass	English daisy	Puncturevine
Annual sowthistle	Evening primrose	Prickly lettuce
Aster	Field pennycress	Prostrate knotweed
Bittercress	Field bindweed	Purslane, common
Black medic	Field violet	Ragweed
Blue Mustard	Florida betony	Redroot pigweed
Brazil & Florida Pusley	Florida Pusley	Redstem (filaree)
Broadleaf plantain	Ground Ivy	Shepardspurge
Buckhorn plantain	Groundsel, common	Smallseed falseflax
Bushy buttonweed	Henbit	Spotted spurge
Bur buttercup	Hop clover	Spurge
Bur buttercup	Jersey cudweed	Spurweed
Canada thistle	Lambsquarters, common	Tansy mustard
Carolina mullein	Lawn burweed	Trecle mustard
Catsear, common	Lespedeza	Tumble mustard
Chickweed, common	Matchweed	Virginia buttonweed
Creeping Beggartweed	Miners lettuce	White clover

Creeping indigo	Mouse-ear chickweed	Wild carrot
Crown vetch	Nimblewill	Wild celery
Cud weed	Old world diamond-flower	Wild garlic
Curly dock	Parsley-piert	Wild lettuce
Cutleaf evening primrose	Pennsylvania smartweed	Wild mustard
Dandelion, common	Pigweed, redroot	Wild onion
Dollarweed	Pigweed, smooth	Yarrow, common
Dogfennel	Plaintains	Yellow woodsorrel
Eclipta		

AMOUNT TO USE

Apply MSM Plus at rate of 20 lbs. 5,000 sq. ft. Do not water in for 24 hours after application. A second application applied no earlier than 2 months after the initial application, in the same year, to the same area, at the same rate, will give longer weed control and turfgrass response to the fertilizer.

WHEN TO APPLY

Apply MSM Plus anytime weeds are actively growing. For severe weed problems, a second treatment may be required 2 months after the first. Apply in the fall to control winter weeds such as henbit, chickweed and cutleaf evening primrose. Apply after sprigging/sodding new St. Augustinegrass, bermudagrass, or zoysiagrass lawns to prevent competition from newly emerging weeds. For best results, apply to wet grass. Do not water for 24 hours following application.

USE RESTRICTIONS

- Not for use on sod farms.
- Apply no more than 20 lbs. per 5,000 sq. ft. per application, which is equivalent to 0.00375 pounds of active ingredient Metsulfuron-Methyl per acre.
- Do not apply in such a manner that will contact any person or pet whether directly, or through drift.
- Avoid disturbing particles by keeping children and pets off treated areas until product has been watered in per instructions and foliage is dry.
- Do not apply by hand or with hand held "belly grinder" spot treat applicator. For safety, overall best weed control, and plant food results, apply with a suitable, correctly calibrated, broadcast or drop type, granule fertilizer spreader. See Spreader Settings section.
- Do not apply to lawns or mixed lawns of bahiagrass, centipedegrass, bluegrass, fine fescue, bentgrass, ryegrass, tall fescue or dichondra because injury may occur.
- Do not apply on or under the branch spread (rootzone) area of trees, shrubs, bedding plants, flowers or garden plants, particularly in compact, slowly draining soils.
- Do not plant sprigs/sod for 1 month or sow new grass seed for 2 months following application.
- Allow at least 2 months between applications if a second application is needed.
- Allow one week between application of this product and other pesticide products.

SPREADER SETTINGS

FOR ONE PASS APPLICATION: For best results, apply in a circular path starting on the outside and working toward the center. A little overlap (1 to 2 inches) of product will ensure complete coverage for weed control and fertilizer benefit.

BROADCAST TYPE SPREADER SETTING

20 LBS.PER 5,000 SQ. FT.

Republic EZ Rotary	xx.x
Scott's EasyGreen	xx.x
Quaker Rotary	xx.x
Ortho Rotary (6000)	xx.x
EV-N Spread	xx.x
True Temper	xx.x
Precision Rotary	xx.x

DROP TYPE SPREADER SETTINGS

FOR ONE PASS APPLICATION: First apply 2 border strips along the edge of each end of the lawn. Then apply products along the length of the lawn, overlapping slightly, 1 to 2 inches, and shutting off the spreader before turning as you reach the edge of the border strip, 20 lbs. to treat 5,000 sq. ft.

Ortho Drop	xx.x
Republic EZ Drop	xx.x
Scott's Drop (PF3)	xx.x
Scott's Even Green	xx.x

[WARRANTY

Read the entire Directions for Use and Warranty before using this Product. By using this product, user or buyer accepts the following warranty.

[[The directions for use of this product are believed to adequate and must be followed carefully. It is impossible to eliminate all risks associated with the use of this product. Unintended consequences may result because of unknown factors. All such risks shall be assumed by the user or buyer.]]

Control Solutions Inc. is committed to providing high quality products. To the extent consistent with applicable law, Control Solutions Inc. makes no warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond statements on this label. To the extent consistent with applicable law, Control Solutions Inc., the manufacturer, or the Seller shall not be liable for indirect, special, incidental or consequential damages. To the extent consistent with applicable law, the exclusive remedy of the user or buyer shall not exceed the purchase price paid.]

[Optional statement]

Buyer and user assume all responsibilities for safety and use not in strict accordance with directions. *[Optional statement]*

[Information in this box will differ based upon the fertilizer component of the formulation.]

GUARANTEED ANALYSIS XX-X-X

Total Nitrogen (N).....	15 %
Urea Nitrogen	13.04%
Ammoniacal Nitrogen	1.96%
Available Phosphate Acid (P ₂ O ₅).....	5 %
Soluble Potash (K ₂ O)	10 %
Chlorine, not more than	8 %
Derived from: Diammonium Phosphate, Urea, Muriate of Potash.	

NET WEIGHT 4 lbs, 8 lbs, 16 lbs, 20 lbs, 40 lbs

Control Solutions, Inc.
5903 Genoa-Red Bluff Rd.
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EPA Reg. No. 53883 – 262
EPA Est.