

228-690

09/04/2009

1/19



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Ms. Lizbeth Rea
Product Registration
Nufarm Americas, Inc.,
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

SEP 4 2009

Subject: Notification for Label Revisions under PRN 98-10, and PRN 2007-4
Storage & Disposal and Primary Brand Name "Spyder Extra Selective Herbicide,"
Precautionary Statement and General Label Changes

Dear Registrant:

The Agency is in receipt of your Application(s) for Pesticide Notification under
Pesticide Registration Notices (PRN) 98-10 and 2007-4 dated June 29, 2009 for:

EPA Registration 228-690 "Spyder Extra Selective Herbicide"

The Registration Division (RD) has conducted a review of the request(s) for applicability
under PRN 98-10, and PRN 2007-4 and finds that the label changes requested fall within the
scope of PRN-98-10 and PRN-2007-4. The label has been date-stamped "Notification" and
will be placed in our records.

Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot
number, or other code identifying the batch of the pesticide distributed and sold be placed on
non-refillable containers. The code may appear either on the label (and can be added by non-
notification/PR Notice 98-10) or durably marked on the container itself.

If you have any questions, please contact me directly at 703-305-6249 or Owen F.
Beeder of my staff at 703-308-8899.

Sincerely,

A handwritten signature in black ink, appearing to read "Linda Arrington".

Linda Arrington
Notifications & Minor Formulations Team Leader
Registration Division (7505P)
Office of Pesticide Programs

2/19



United States
Environmental Protection Agency
 Washington, DC 20460

Registration
 Amendment
 Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 228-690	2. EPA Product Manager Jim Tompkins	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) SFM + MSM E-Pro Herbicide	PM# 25	
5. Name and Address of Applicant (Include ZIP Code) Nufarm Americas, Inc. 150 Harvester Drive, Ste. 200 Burr Ridge, IL 60527 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____	NOTIFICATION SEP - 4 2009
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.	
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.	

Explanation: Use additional page(s) if necessary. (For section I and Section II.)
 Notification of a primary brand name and minor label changes per PRN 98-10. This notification is consistent with the provisions of PRN 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PRN 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 FIFRA.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Metal	<input checked="" type="checkbox"/> Plastic
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt	No. per container
				<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
				<input type="checkbox"/> Other (Specify) _____	
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 4 x 5 lb.		5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph Paper glued Stenciled				<input type="checkbox"/> Other _____	

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)			
Name Lizbeth Rea	Title Regulatory Manager	Telephone No. (Include Area Code) 919/855-0701	
<p style="text-align: center;">Certification</p> <p>I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment (or both) under applicable law.</p>			6. Date Application Received (Stamped) ○○○○ ○○○○ ○○○○ ○○○○
2. Signature 	3. Title Regulatory Manager		
4. Typed Name Lizbeth Rea	5. Date 6/29/2009		



3/19

Nufarm Americas, Inc.
Lizbeth Rea
Registration Manager
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527
Phone: 919.655.0701 Fax: 919.342.5176
liz.rea@us.nufarm.com

June 29, 2009

Via Overnight Courier

Linda Arrington
Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504P)
U. S. Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 S. Crystal Drive
Arlington, VA 22202-4501

Subject: SFM + MSM E-Pro Herbicide
EPA Reg. No. 228-690
PBN & Label Changes via PR Notice 98-10

Dear Mr. Tompkins:

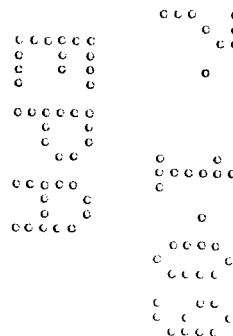
The following documents are attached in support of the change in primary brand name and minor label changes being made via notification under PR Notice 98-10.

- Application for a New Product Registration (EPA Form 8570-1)
- One (1) copy of the Spyder Extra Selective Herbicide label with changes tracked.
- Five (5) copies of the Spyder Extra Selective Herbicide label with changes incorporated.

Please call me at 919/655-0701 if you have any questions and/or comments regarding this submission.

Sincerely,

Lizbeth Rea
Regulatory Manager
Nufarm Americas Inc.



4/19

~~SFM + MSM E-Pro~~ Spyder Extra Selective Herbicide

Dispersible Granules

NOTIFICATION

SEP 4, 2009
By weight

ACTIVE INGREDIENTS:

Sulfometuron methyl

{Methyl 2-[[[(4,6-dimethyl-2-pyrimidinyl)amino]carbonyl]amino]sulfonylbenzoate}56.25%

Metsulfuron Methyl

Methyl 2-[[[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]carbonyl]aminosulfonyl]

Benzoate 15.00%

OTHER INGREDIENTS. 28.75%

TOTAL: 100.00%

KEEP OUT OF REACH OF CHILDREN CAUTION

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

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

EPA Reg. No. 84959-15228-690

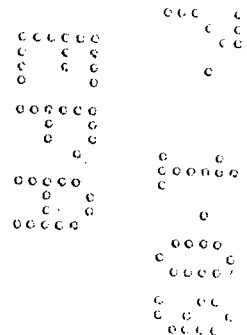
EPA Est. No.

Manufactured for:

Etigra, LLC Nufarm Americas Inc.

2214 Highway 44 West 150 Harvester Drive

Inverness, FL 34453 Burr Ridge, IL 60527



Net Weight:

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

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

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear:

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

NOTIFICATION

SEP 4 2009

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.

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

USER SAFETY RECOMMENDATIONS

Users Should: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

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.

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 by cleaning of equipment or disposal of equipment washwaters.

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

GENERAL INFORMATION

~~SFM + MSM E-Pro Herbicide~~ This product is a dispersible granule that is mixed in water and applied as a spray or impregnated on dry, bulk fertilizer. ~~SFM + MSM E-Pro Herbicide~~ This product controls many annual and perennial grasses and broadleaf weeds in conifer plantations and non-crop sites. It also may be used to control certain hardwoods and vines when applied in site preparation treatments.

~~SFM + MSM E-Pro Herbicide~~ This product may be used for general weed control on terrestrial non-crop sites and for selective weed control in certain types of unimproved turf grasses on these same sites. ~~SFM + MSM E-Pro Herbicide~~ This product may be used for the control of certain woody plants, vines and herbaceous weeds in site preparation and release of various conifers. ~~SFM + MSM E-Pro Herbicide~~ This product can be tank mixed with other herbicides registered for use in conifer plantations and non-crop sites. When tank mixing, use the most restrictive limitations on the labeling of both products.

Herbaceous weeds are controlled by both preemergence and postemergence activity. The best results on undesirable hardwoods and vines are obtained with a foliar spray between full leaf expansion in the spring and normal defoliation in the fall. The best results are obtained when the application is made before or during the early stages of weed growth before weeds develop an established root system. Moisture is required to move ~~SFM + MSM E-Pro Herbicide~~ this product into the root zone of weeds for preemergence control.

This product may be applied on conifer plantations and non-crop sites that contain areas of temporary surface water caused by collection of water between planting beds, in equipment ruts, or in other depressions created by management activities. It is permissible to treat intermittently flooded low lying sites, seasonally dry flood plains and

transitional areas between upland and lowland sites when no water is present. It is also permissible to treat marshes, swamps and bogs after water has receded, as well as seasonal dry flood deltas. DO NOT make applications to natural or man-made bodies of water such as lakes, reservoirs, ponds, streams and canals.

A drift control agent ~~may~~ can be used at the manufacturer's ~~recommended~~ specified rate in the application of this product SFM + MSM E-Pro Herbicide.

SFM + MSM E-Pro Herbicide This product is non-corrosive, nonflammable, nonvolatile, and does not freeze.

For best postemergence results, apply this product SFM + MSM E-Pro Herbicide to young, actively growing weeds. The use rate depends upon the weed species, weed size at application and soil texture. The degree and duration of control may depend on the following:

- Weed spectrum and infestation intensity
- Weed size at application
- Environmental conditions at and following treatment
- Soil pH, soil moisture, and soil organic matter

Use a high rate on established plants and on fine-textured soils and a lower rate on smaller weeds and coarse-textured soils.

This product SFM + MSM E-Pro Herbicide contains sulfometuron methyl. When applied alone or in combination with other products containing sulfometuron methyl, do not apply more than 6 ounces of active ingredient per acre per year,

This product SFM + MSM E-Pro Herbicide contains metsulfuron methyl. When applied alone or in combination with other products containing metsulfuron methyl, do not apply more than 2.4 ounces of active ingredient per acre per year.

ENVIRONMENTAL CONDITIONS AND BIOLOGICAL ACTIVITY

When applied as a spray, this product SFM + MSM E-Pro Herbicide is absorbed by both the roots and foliage of plants, rapidly inhibiting the growth of susceptible weeds. When applied on dry fertilizer, this product SFM + MSM E-Pro Herbicide is absorbed primarily by the roots. Two to 3 weeks after application to weeds, leaf growth slows, and the growing points turn reddish-purple. Within 4 to 6 weeks of application, leaf veins and leaves become discolored and the growing points subsequently die.

Warm, moist conditions following application accelerate the herbicidal activity of this product SFM + MSM E-Pro Herbicide; cold, dry conditions delay the herbicidal activity. In addition, undesirable hardwoods, vines and weeds hardened-off by drought stress are less susceptible to this product SFM + MSM E-Pro Herbicide. Moisture is needed to move SFM + MSM E-Pro Herbicide this product into the soil for preemergence weed control.

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 dominate 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 areas using a product affecting a different site of action.

To better manage herbicide resistance through delaying the proliferation and possible dominance of herbicide resistant 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. Do not let weed escapes go to seed. If applicable see Weeds Controlled section of label for additional information on managing herbicide resistant weed 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 herbicides 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 principals 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 violation of federal law o use this product in a manner inconsistent with its labeling.

~~This product SFM + MSM E-Pro Herbicide~~ should be used only in accordance with ~~recommendations~~ use instructions on this label or in ~~SFM + MSM E-Pro Herbicide~~ supplemental labeling.

~~Etiga, LLC/Nufarm~~ will not be responsible for losses or damages resulting from the use of this product in any manner not specifically ~~recommended~~ instructed by ~~Etiga, LLC/Nufarm~~. User assumes all risks associated with such non- ~~recommended~~ use.

Do not apply more than 10 2/3 ounces per acre per year. Do not use on food or feed crops.

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.

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 to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water is:

- Coveralls
- Chemical-resistant gloves made of any waterproof material such as polyethylene or polyvinylchloride
- Shoes plus socks

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box only 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.

Use on non-crop sites and turf (unimproved) are not within the scope of the Worker Protection Standard. Do not

CONIFER PLANTATIONS

APPLICATION INFORMATION

When applied as a spray, ~~this product SFM + MSM E-Pro Herbicide~~ is ~~recommended~~ expected to control certain undesirable woody plants, vines, and many broadleaf weeds and grasses in conifer plantation sites.

Apply sprays by ground equipment or by helicopter. Apply impregnated fertilizer by ground equipment or by air (helicopter or fixed wing aircraft) to control broadleaf weeds and grasses.

When applied as a spray, ~~this product SFM + MSM E-Pro Herbicide~~ controls woody plants and vines by postemergent foliar activity. The best results are obtained with foliar spray between full leaf expansion in the spring and normal defoliation in the fall.

~~This product SFM + MSM E-Pro Herbicide~~ may be tank mixed with other herbicides registered for use in conifer plantations; when tank mixing use the most restrictive limitations from the labels of both products.

APPLICATION TIMING

To control broadleaf weeds and grasses, apply ~~SFM + MSM E-Pro Herbicide~~ this product sprays before herbaceous weeds emerge or shortly thereafter. Apply impregnated fertilizer before weeds emerge.

APPLICATION RATES

Apply ~~this product SFM + MSM E-Pro Herbicide~~ at the rates indicated by conifer species. Use a lower rate on coarse-textured soils (i.e., loamy sands, sandy bams) and a higher rate on fine textured soils (i.e. sandy clay bams and silty clay bams).

WEEDS CONTROLLED

~~This product SFM + MSM E-Pro Herbicide~~ effectively controls or suppresses the weeds and vines listed under the "Weeds Controlled" in the Non-Crop section of this label when applied at the rates specified.

CONIFER SITE PREPARATION APPLICATION BEFORE TRANSPLANTING

Make all applications before transplanting to control specified hardwoods, vines, broadleaf weeds and grasses. To improve control of targeted pests, add a surfactant at the rate specified on the manufacturer's label or as limited by the companion product (tank mixtures) label.

USE RATES FOR SELECTED SPECIES USE RATES BEFORE TRANSPLANTING CONIFERS		
Species	Rate (ounces/acre)	When to Transplant into Treated Areas
Loblolly Pine	3 to 4	Planting season following application
Slash Pine	3	Planting season following application
Black Spruce	2 2/3 to 5 1/3	Not less than 13 months following application.
Red Pine	1 1/3 to 2 2/3	The following spring or summer but not less than 3 months after application. Areas receiving 2/3 to 1 1/3 oz./acre may be transplanted in a minimum of 30 days following application.
Douglas Fir	2 2/3 to 5 1/3	Planting season following application.

Other species of conifers may be planted providing the user has experience indicating acceptable tolerance to this product SFM + MSM E-Pro Herbicide. Without prior experience, it is recommended that small area plantings be tested for tolerance to this product SFM + MSM E-Pro Herbicide on a small area of plantings before large-scale plantings are made. The user accepts all responsibility for injury on any conifer species not listed above.

TANK MIXTURES

This product SFM + MSM E-Pro Herbicide may be tank mixed with site preparation treatments applied in the late summer to broaden the spectrum of undesirable hardwoods controlled and provide herbaceous weed control in the year following transplanting.

GLYPHOSATE

Tank mix 4 to 8 ounces of this product SFM + MSM E-Pro Herbicide with 2 to 10 pounds of active ingredient (isopropylamine salt) of glyphosate per acre. Refer to the glyphosate product container for a list of species controlled.

IMAZAPYR

Tank mix 4 to 8 ounces of this product SFM + MSM E-Pro Herbicide with 5 to 12 ounces of active ingredient (isopropylamine salt) of imazapyr per acre. Slash and loblolly pines may be transplanted the planting season following application. This tank mixture controls:

- Cherry
- Dogwood
- Elms
- Hickory*
- Oak, red
- Oak water
- Persimmon
- Sassafrass
- Sweetgum

GLYPHOSATE + IMAZAPYR

Mix 2 to 4 ounces of this product SFM + MSM E-Pro Herbicide with 8 to 32 ounces of active ingredient (isopropylamine salt) of glyphosate plus 5 to 6 ounces of active ingredient (isopropylamine salt) of imazapyr per acre. Slash and loblolly pines may be transplanted the planting season following application. This tank mixture controls:

- Cherry
- Dogwood
- Elms
- Hickory*
- Oak, red
- Oak water
- Persimmon
- Sassafrass
- Sweetgum

*Suppression.- a visible reduction in plant population and/or plant vigor as compared to an untreated area and generally not accepted as control.

VELPAR® DF, VELPAR® L OR VELPAR® ULW

Tank mix 4 to 8 ounces of this product SFM + MSM E-Pro Herbicide per acre with the rates recommended specified on the Velpar® label for various soil textures. Loblolly and slash pines may be transplanted the planting season following application. Refer to the Velpar® product label for a list of species controlled.

9/19

IMPROVED BRUSH CONTROL

Following a spring Velpar[®] ULW application, a tank mixture of this product SFM + MSM E-Pro Herbicide at 4 ounces per acre plus a minimum of 2.5 ounces of active ingredient imazapyr (isopropylamine salt) per acre will provide improved brush control.

These brush species include but are not limited to:

- | | |
|----------------------|-----------------------------|
| American beautyberry | <i>Callicarpa Americana</i> |
| Southern dewberry | <i>Rubus spp.</i> |
| Huckleberry | <i>Vaccinium spp.</i> |

Application should be made in the summer or fall following a spring application of Velpar[®] ULW. For best results make the application after brush species have completely defoliated twice following the Velpar[®] ULW application and refoilation of target brush species is evident.

This product SFM + MSM E-Pro Herbicide applied at this time will provide herbaceous weed control into the early growing season of the year following application. This treatment also targets brush species remaining after the spring Velpar[®] ULW application.

Loblolly, slash and longleaf pine may be transplanted the planting season following application.

Where burning is desired, burn only after adequate rainfall has occurred to move this product SFM + MSM E-Pro Herbicide into the soil. Soil disturbance from bedding or plowing may reduce spring herbaceous weed control.

CONIFER RELEASE APPLICATION AFTER TRANSPLANTING

Apply this product SFM + MSM E-Pro Herbicide after transplanting to control certain species of hardwoods, broadleaf weeds and grasses as listed in the Weeds Controlled listed in the Non-Crop section of this label

USE RATES FOR SELECTED SPECIES

Use Rates After Transplanting Conifers

Species	Rate (ounces/acre)
Loblolly Pine	2 2/3 to 4
Slash Pine	2 2/3 to 3

TANK MIXTURES HERBACEOUS WEED CONTROL

For loblolly pine, apply this product SFM + MSM E-Pro Herbicide at 2 to 4 ounces per acre plus Arsenal[®] AC (Applicators Concentrate) at 2 to 6 fluid ounces per acre.

For slash pine, apply this product SFM + MSM E-Pro Herbicide at 2 ounces per acre plus Arsenal[®] AC at 4 fluid ounces per acre. This tank mixture controls:

- | | |
|----------------|--------------|
| Common ragweed | Late boneset |
| Dogfennel | Panicgrass |
| Firewood | Pokeweed |

In addition to the herbaceous weeds listed, this tank mixture will aid in the suppression of perennial grasses such as bermudagrass and johnsongrass.

UNDESIRABLE HARDWOOD CONTROL

Apply 4 ounces of this product SFM + MSM E-Pro Herbicide with 8 to 16 fluid ounces of Arsenal[®] AC per acre to control herbaceous weeds, grasses and undesirable hardwoods. Some minor conifer growth inhibition may be observed when release treatments are made during periods of active conifer growth. To minimize potential conifer height growth inhibition, broadcast release treatments may be made late in the growing season.

For loblolly pine a registered conifer release surfactant may be added at the rate ~~recommended~~ specified on the surfactant label.

For slash pine, over the top broadcast release treatments must be made after mid-august and only in stands 2 to 5 years old. For over the top applications to slash pine, do not add a surfactant. For light (sandy) soils do not exceed 12 fluid ounces of Arsenal[®] AC per acre.

Tank mixture controls:

Ash	Myrtle dahoon
Black gum	Oak, red
Blackberry*	Oak, white
Cherry	Oak, water
Dogwood*	Persimmon*
Elms*	Red Maple*
Hawthorn	Sassafrass
Hickories*	Sweetgum
Honeysuckle	Vaccinium
Hophornbeam	

*Suppression- a visible reduction in plant population and/or plant vigor as compared to an untreated area and generally not accepted as control.

**SPECIFIC WEED PROBLEMS
SITE PREPARATION OR AFTER PLANTING**

KUDZU

~~SFM + MSM E-Pro Herbicide~~ applied at Apply 8 ounces of this product per acre is recommended as part of a kudzu abatement program. Retreatment of any re-sprouting kudzu crowns following the initial treatment is necessary to fully control kudzu. Make applications to kudzu after leaves are fully mature and the plant has begun to bloom. Applications may continue until first frost. Apply this product SFM + MSM E-Pro Herbicide as a broadcast treatment for the initial application. Use spot-spray or broadcast follow-up applications as needed for thorough coverage. Thoroughly treat foliage and stems (spray-to-wet) without excess runoff. For handgun applications use a minimum of 100 gallons per acre. Boom or boom-less sprayer applications made by ground or air (helicopter only) equipment should use a minimum of 30 gallons per acre per application pass. Double pass applications from different directions can improve spray coverage. Prior to planting use a non-ionic surfactant (90% active ingredient) at the rate of 1 quart per 100 gallons of spray solution (0.25% v/v). After planting use a crop oil concentrate at the rate of 1 quart per 100 gallons of spray solution.

FERTILIZER IMPREGNATION

Dry bulk fertilizer may be impregnated or coated with this product SFM + MSM E-Pro Herbicide for application in the establishment of conifer plantations.

IMPREGNATION

To impregnate the fertilizer, use a system consisting of a conveyor or closed drum used to blend dry bulk fertilizers such as potassium nitrate, sodium nitrate and triple super phosphate are not compatible with this product SFM + MSM E-Pro Herbicide. Diammonium phosphate, potassium chloride, 16-16-16 and 24-4-4 have been used successfully. Do not use this product SFM + MSM E-Pro Herbicide on limestone.

If fertilizer materials are excessively dusty, use a suitable additive to reduce dust prior to impregnation. Dusty fertilizer may result in poor distribution and excessive risk of drift during application. The dry fertilizer must be properly impregnated and uniformly applied to avoid potential tree injury or mortality and poor weed control.

Consult the Application Rates section of this label for the appropriate rate of this product SFM + MSM E-Pro Herbicide to be used per acre. Apply this amount of this product SFM + MSM E-Pro Herbicide to the volume of fertilizer to be applied per acre. To impregnate dry bulk fertilizer, mix the amount of this product SFM + MSM E-Pro Herbicide as prescribed above in a sufficient quantity of water to uniformly coat the desired amount of fertilizer. Suspensions of this product SFM + MSM E-Pro Herbicide will require thorough agitation. Direct the spray nozzles to deliver a fine spray of the mixture toward the fertilizer for uniform coverage. The use of a colorant may be beneficial to visually determine the uniformity of impregnation.

Impregnation of this product SFM + MSM E-Pro Herbicide to dry bulk fertilizer may vary. If absorption of the impregnating spray by the fertilizer is not adequate, the use of an absorptive powder or additive, such as Microcel E (Johns Manville Product Company) or HiSil — 233 (Pittsburg Plate Glass) may be required to produce a dry, free-flowing mixture.

Apply impregnated fertilizer as soon as possible after impregnation for optimum performance. Impregnated fertilizer may become lumpy and difficult to apply following storage. Uniform and precise application of the fertilizer impregnated with this product SFM + MSM E-Pro Herbicide is essential for satisfactory weed control and to minimize tree injury.

Follow the instructions for spray tank clean out on this label for cleaning the equipment used to impregnate, transport and apply the fertilizer. Do not use the impregnation, transport or application equipment to make subsequent applications to crops.

BROADCAST APPLICATION

Applications may be made by ground or air (helicopter or fixed wing aircraft). Accurate calibration of the application equipment is essential for uniform distribution on the soil surface. Overlaps or skips between adjoining swaths or non-uniform distribution or

11/19

impregnated fertilizer within the swath will deliver poor results and may result in tree injury or mortality.

**IMPORTANT PRECAUTIONS
CONIFER PLANTATIONS ONLY**

- Applications of this product SFM + MSM E Pro Herbicide made to conifers that are suffering from loss of vigor caused by insects, disease, drought, winter damage, animal damage, excessive soil moisture, planting shock, previous agricultural practices, or other stresses, may injure or kill trees.
Applications of this product SFM + MSM E Pro Herbicide made after transplanting should only be made after adequate rainfall has closed the planting slit and settled the soil around the roots following transplanting.
- Do not apply this product SFM + MSM E Pro Herbicide to conifers grown for Christmas trees or ornamentals.
Do not use a surfactant with this product SFM + MSM E Pro Herbicide for herbaceous weed control when making over the top application to conifer seedlings in the spring after transplanting. A surfactant specifically registered for conifer release may be used when targeting specific weed problems such as undesirable hardwoods. Refer to the surfactant label for recommended specified use rates.
- ~~SFM + MSM E Pro Herbicide~~ Applications of this product may result in damage and mortality to other species of trees when they are present on sites with those listed in the preceding ~~recommendations~~ use instructions for conifer plantation uses.

NON-AGRICULTURAL USES

**NON-CROP SITES
APPLICATION INFORMATION**

Use this product SFM + MSM E Pro Herbicide ~~is recommended~~ for general weed control as follows: uncultivated non-agricultural areas (such as, airports, highway, railroad, and utility rights-of-way, sewage disposal areas); uncultivated agricultural areas (non-crop producing, which includes: farmyards, fuel storage areas, fence rows, soil bank land, barrier strips); industrial sites (outdoor, such as, lumberyards, pipeline and tank farms).

This product SFM + MSM E Pro Herbicide ~~is not recommended for~~ can be used on recreation areas or for direct application to paved areas (surfaces).

Apply this product SFM + MSM E Pro Herbicide as a preemergence or early postemergence spray before or during the rainy season when weeds are actively germinating or growing.

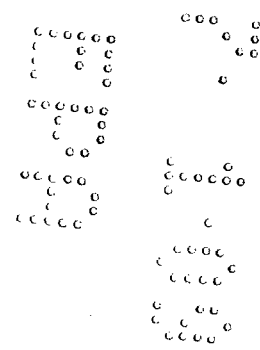
Apply by ground or helicopter.

Combination with other herbicides broadens the spectrum of weeds controlled. In addition, total vegetation control can be achieved with higher rates of this product SFM + MSM E Pro Herbicide plus residual-type companion herbicides. To improve the control of weeds, add surfactant at the rate of 0.25% by volume or at the rate specified on the manufacturer's label.

Apply this product SFM + MSM E Pro Herbicide at the rates indicated by weed type. When applied at lower rates, ~~SFM + MSM E Pro Herbicide~~ this product provides short term control of weeds listed; when applied at higher rates, weed control is extended.

WEEDS CONTROLLED

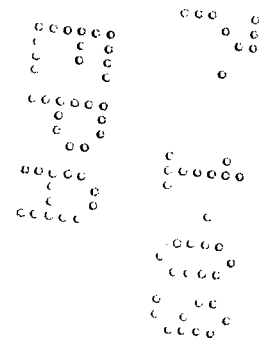
This product SFM + MSM E Pro Herbicide effectively controls the following broadleaf weeds and grasses when applied at the rates shown in non-crop sites:



2 2/3 to 3 Ounces Per Acre

Annual bluegrass
 Annual sowthistle
 Aster
 Bahiagrass
 Barnyardgrass
 Beackchervil (bur. woodland)
 Bearded sprangletop
 Beebalm
 Bitter sneezeweed
 Black mustard
 Blackeyed-susan
 Blue mustard
 Bouncingbet
 Bur buttercup
 Bur clover
 Carolina geranium
 Chicory
 Clover
 Cocklebur
 Common chickweed
 Common groundsel
 Common mallow
 Common mullein
 Common pokeweed
 Common purslane
 Common ragweed
 Common speedwell
 Common tansy
 Common vetch
 Common yarrow
 Conical catchfly
 Corn cockle
 Cow cockle
 Crown vetch
 Dandelion
 Downy brome (cheat)
 False chamomile
 Fescue
 Fiddleneck tarweed
 Field pennycress
 Flixweed
 Florida pusley
 Foxtail barley
 Foxtail fescue
 Goldenrod
 Green foxtail
 Hairy vetch
 Hop clover
 Houndstongue
 Italian ryegrass
 Johnsongrass
 Jointed goatgrass

Little barley
 Marestail/horseweed*
 Maximillion sunflower
 Medusahead
 Miners lettuce
 Mouseear chickweed
 Oxeye daisy
 Pennsylvania smartweed
 Pepperweed
 Plains coreopsis
 Plantain
 Poison hemlock
 Prickly coontail
 Red brome
 Red fescue
 Red root pigweed
 Redstem filaree
 Reed Canarygrass
 Riggut brome
 Rough fleabane
 Rye
 Salsify
 Sandbur (southern, field)
 Seashore saltgrass
 Seaside heliotrope
 Shepherd's purse
 Signalgrass
 Silky crazyweed
 Smallseed falseflax
 Smooth pigweed
 Snowberry, western
 Spreading orach
 Sweet clover
 Tansy ragwort
 Tansymustard
 Treacle mustard
 Tumble mustard
 Tumble pigweed
 Western ragweed
 Wheat
 Whitetop
 Whitestem Filaree
 Wild barley
 Wild carrot
 Wild garlic
 Wild lettuce
 Wild mustard
 Wild oat
 Wood sorrel
 Woolly cotton
 Yankeweed
 Yellow foxtail



Lambsquarters

*Certain biotypes of marestail/horseweed are less sensitive to this product SFM + MSM E Pro Herbicide and may be controlled by tank mixes with herbicides with a different mode of action.

3 to 4 Ounces Per Acre

Black henbane
Blackberry
Broom snakeweed
Buckhorn plantain
Bull thistle
Common crupina
Common sunflower
Crabgrass
Curly dock
Dewberry
Dogfennel
Dyer's woad
Fireweed
Gorse
Gumweed
Halogeton
Henbit

Honeysuckle
Multiflora rose (wild roses)
Musk thistle
Panicums (annual)
Plumeless thistle
Poorjoe
Prostate knotweed
Rosering gaillardia
Scotch thistle
Seaside arrowgrass
Sericea lespedeza
Snowberry
St. Johnswort
Teasel
White snakeroot
Whiteweed, hairy
Wild caraway

4 to 5 1/3 Ounces Per Acre

Crimson clover
Dogfennel
Giant foxtail
Giant ragweed
Little mallow
Palmer pigweed

Perennial pepperweed
Purple starthistle
Rush
Yellow nutsedge
Yellow rocket

Note: Use the higher level of the recommended rate ranges under the following conditions:

- Heavy weed growth
- Soils containing more than 2-1/2% organic matter
- High soil moisture areas, such as along road edges or railroad shoulders

**SPECIFIC WEED PROBLEMS
KOCHIA, RUSSIAN THISTLE, AND PRICKLY LETTUCE**

Since biotypes of kochia, marestail, Russian thistle, and prickly lettuce are known to be resistant to this product SFM + MSM E Pro Herbicide, tank mixture combinations with herbicides having different modes of action, such as Karmex® DF, HYVAR® X or KROVAR® I DF must be used. In areas where resistance is known to exist, these weeds should be treated postemergence with other herbicides registered for their control, such as 2,4-D or dicamba. Do not allow kochia, Russian thistle or prickly lettuce to form mature seed.

KUDZU

~~SFM + MSM E Pro Herbicide~~ Applied at 8 ounces of this product per acre is recommended as part of kudzu abatement program. Retreatment of any re-sprouting kudzu crowns following the initial treatment is necessary to fully control kudzu. Make applications to kudzu after leaves are fully mature and the plant has begun to bloom. Applications may continue until first frost. Apply this product SFM + MSM E Pro Herbicide as a broadcast treatment for the initial application. Use spot-spray or broadcast follow-up applications as needed for thorough coverage. Thoroughly treat foliage and stems (spray-to-wet) without excess runoff. For handgun applications use a minimum of 100 gallons per acre. Boom or boom-less sprayer applications made by ground or air (helicopter only) equipment should use a minimum of 30 gallons per acre per application pass. Double pass applications from different directions can improve spray coverage. Use a non-ionic surfactant (90% active ingredient) or crop oil concentrate at the rate of 1 quart per 100 gallons of spray solution (0.25% v/v).

TANK MIX COMBINATIONS

To improve preemergence to early postemergence control of weeds and grasses, add 2 2/3 to 5 1/3 ounces of this product SFM + MSM E-Pro Herbicide per acre to the ~~recommended~~ specified label rates of the following herbicides: HYVAR® X herbicide, Karmex® DF herbicide, KROVAR® I DF herbicide, VELPAR® L herbicide, VELPAR® DF herbicide, TELAR® herbicide, glyphosate, dicamba, or 2,4-D.

Apply this product SFM + MSM E-Pro Herbicide plus a combination herbicide at the rates and timing as shown on package labels for target weeds. For application method and other specifications, use the most restrictive directions for the intended combination.

Do not tank mix this product SFM + MSM E-Pro Herbicide with HYVAR® X-L herbicide.

TURF (UNIMPROVED ONLY)

APPLICATION INFORMATION

This product SFM + MSM E-Pro Herbicide is ~~recommended~~ used to control weeds on unimproved turf, on roadsides, or on other non-crop sites where the turf is well established as a ground cover. Applications may temporarily suppress grass growth and inhibit seedhead formation (chemical mowing).

BERMUDAGRASS RELEASE

APPLICATION TIMING

Apply this product SFM + MSM E-Pro Herbicide at 1/2 to 2 ounces per acre after bermudagrass has broken dormancy and is well established, usually 30 days after initial spring flush. If additional applications are necessary, apply this product SFM + MSM E-Pro Herbicide again during late spring early summer. On established weeds, apply this product SFM + MSM E-Pro Herbicide one to two weeks after mowing for the best results.

This product SFM + MSM E-Pro Herbicide may also be applied in late fall or early winter. Use the lower rates on small seedling weeds and higher rate on larger weeds.

TANK MIX COMBINATIONS-BERMUDAGRASS

(SOUTH ONLY)

Apply 1 to 2 ounces this product SFM + MSM E-Pro Herbicide per acre as a tank mix with 3 to 4 pounds active ingredient of MSMA per acre on well established bermudagrass during summer. Refer to the MSMA package label for a list of additional weeds that may be controlled. Two or more sequential applications of MSMA alone may be necessary to maintain weed control.

CENTIPEDEGRASS RELEASE

APPLICATION TIMING

Apply 1/2 to 2 ounces per acre of this product SFM + MSM E-Pro Herbicide in the fall or early winter, or in the early summer following green-up of the centipede. Refer to the listing of Weeds Controlled in this section for use rates and species controlled by SFM + MSM E-Pro Herbicide.

SMOOTH BROME AND CRESTED WHEATGRASS RELEASE AND SUPPRESSION

APPLICATION TIMING

Apply 1/2 to 1 1/2 ounces of this product SFM + MSM E-Pro Herbicide per acre to turf **after green-up and** before seedheads emerge (boot stage). Ensure that desirable grasses are well established at application, as premature treatment may result in top kill and stand reduction of desirable turf. Make only one application per year.

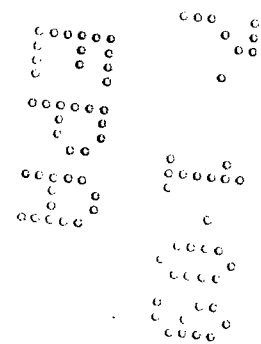
WEEDS CONTROLLED

This product SFM + MSM E-Pro Herbicide may be used to control the following weeds in turf (unimproved only) when applied at the use rates shown.

1/2 to 1 Ounces Per Acre

- | | |
|-----------------------------|--------------------|
| Asters (except heath aster) | Field pennycress |
| Buttercups | Fleabanes |
| Common broomweed | Goldenrod |
| Common chickory | Little barley |
| Common chickweed | Mouseear chickweed |
| Common sunflower | Redroot pigweed |
| Common vetch | Sweetclover |
| Common yarrow | Tansy mustard |
| Curly dock | White clover |
| False chamomile | Wild garlic |

1 to 2 Ounces Per Acre



Bitter sneezeweed
 Buckhorn plantain
 Carolina geranium
 Cheat (Downy brome)
 Common dandelion
 Common mullein
 Common ragweed
 Crimson clover
 Eveningprimrose
 Foxtail barley
 Giant ragweed

Hairy vetch
 Hopclover
 Jointed goatgrass
 Medusahead
 Musk thistle
 Prairie coneflower
 Redstem filaree
 Tumble mustard
 Wild carrot
 Wild oats
 Wild parsnip

IMPORTANT PRECAUTIONS
UNIMPROVED TURF

- Excessive injury to turf may result if a surfactant is used with this product SFM + MSM E-Pro Herbicide applications made to actively growing turf. The user assumes all responsibility for turf injury if a surfactant is used with this product SFM + MSM E-Pro Herbicide treatments applied to actively growing turf.
- This product SFM + MSM E-Pro Herbicide may temporarily discolor or cause top kill of turf grasses. Applications made while turf is dormant may delay green-up in the spring.
- Annual retreatments may reduce vigor, particularly at the higher recommended rates, where bahiagrass, crested wheatgrass and smooth brome are grown.
- This product SFM + MSM E-Pro Herbicide application on turf that is under stress from drought, insects, disease, cold temperatures, or late spring frost, may result in injury.

GRASS REPLANT INTERVALS

Following a treatment with this product SFM + MSM E-Pro Herbicide at use rates up to 2 ounces per acre the following grasses may be replanted:

Alta fescue	Smooth brome
Meadow foxtail	Sheep fescue
Orchardgrass	Western wheatgrass

The intervals recommended are used for soils with a pH of less than 7.5. Soils having a pH greater than 7.5 will require longer intervals. These recommended intervals are for applications made in the spring. Because SFM + MSM E-Pro Herbicide the degradation of this product is slowed by cold or frozen soils, applications made in the fall should consider the intervals as beginning in the spring following treatment.

Testing has indicated that there is considerable variation in response among species of grasses when seeded into areas treated with this product SFM + MSM E-Pro Herbicide. If species other than those listed above are to be planted into areas treated with this product SFM + MSM E-Pro Herbicide a field bioassay should be performed, or previous experience may be used to determine the feasibility of replanting treated areas.

ADDITIONAL USE INSTRUCTIONS FOR CONIFER PLANTATIONS, NON-CROP SITES AND TURF

SPRAY EQUIPMENT:

Low rates of this product SFM + MSM E-Pro Herbicide can kill or severely injure most crops. Following a this product SFM + MSM E-Pro Herbicide application, the use of spray equipment to apply other pesticides to crops on which this product SFM + MSM E-Pro Herbicide or its active ingredients are not registered may result in their damage. The most effective way to reduce this crop damage potential is to use dedicated mixing and application equipment.

APPLICATION GROUND

Use a sufficient volume of water to ensure thorough coverage when applying this product SFM + MSM E-Pro Herbicide as a broadcast or directed spray. Select a spray volume and delivery system that will ensure thorough coverage and uniform spray pattern. Be sure that the sprayer is calibrated before use. Avoid overlapping and shut off spray booms while starting, turning, slowing, or stopping to avoid injury to desired species.

AIR

Select a spray volume and delivery system that will ensure thorough coverage and a uniform spray pattern. Be sure the sprayer is calibrated. Avoid overlapping and shut off spray booms while starting, turning, or slowing to avoid injury to desired species.

MIXING INSTRUCTIONS

1. Fill spray tank 1/2 full of water

16/19

2. With the agitator running, add the proper amount of this product SFM + MSM E-Pro Herbicide
3. If using a companion product, add the ~~recommended-specified label~~ amount.
4. For postemergent applications, add the proper amount of spray adjuvant.
5. Add the remaining water.
6. Agitate the spray tank thoroughly

This product SFM + MSM E-Pro Herbicide spray preparations are stable if they are pH neutral or alkaline and stored at or below 100°F.

SPRAYER CLEANUP

Thoroughly clean all mixing and spray equipment following applications of this product SFM + MSM E-Pro Herbicide as follows:

1. Drain tank; thoroughly rinse spray tanks, boom and hoses with clean water.
2. Fill the tank with clean water and 1 gallon of household ammonia (contains 3% active) for every 100 gallons of water. Flush the hoses, boom, and nozzles with the cleaning solution. Then add more water to completely fill the tank. Circulate the cleaning solution through the tank and hoses for at least 15 minutes. Flush the hoses, boom and nozzles again with the cleaning solution and then drain the tank. Equivalent amounts of an alternate-strength ammonia solution or a commercial cleaner can be used in the cleanout procedure. If a commercial cleaner is used, carefully read and follow the individual cleaner instructions.
3. Remove the nozzles and screens and clean separately in a bucket containing cleaning agent and water
4. Repeat step 2.
5. Rinse the tank, boom and hoses with clean water.
6. Dispose of the rinsate on a labeled site or at an approved waste disposal facility. If a commercial cleaner is used follow the directions for rinsate disposal on the label.

Notes:

1. Do not use chlorine bleach in combination with ammonia when cleaning spray equipment. Do not clean spray equipment in an enclosed area.
2. Steam-cleaning aerial spray tanks is ~~recommended~~ before performing the above cleanout procedure to facilitate the removal of any caked deposits.
3. When this product SFM + MSM E-Pro Herbicide is tank mixed with other pesticides, all required cleanout procedures should be examined and the most rigorous procedure should be followed.

SPRAY DRIFT MANAGEMENT

The interaction of many equipment and weather-related factors determines the potential for spray drift. The applicator is responsible for considering all these factors when making application decisions. AVOIDING SPRAY DRIFT IS THE RESPONSIBILITY OF THE APPLICATOR.

Importance of Droplet size

The most effective way to reduce drift potential is to apply large droplets (>150-200 microns). The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. The presence of sensitive species nearby, the environmental conditions, and pest pressure may affect how an applicator balances drift control and coverage. APPLYING LARGER DROPLETS REDUCES DRIFT POTENTIAL BUT WILL NOT PREVENT DRIFT IF APPLICATIONS ARE MADE IMPROPERLY OR UNDER UNFAVORABLE ENVIRONMENTAL CONDITIONS! See **Wind, Temperature and Humidity, and Surface Temperature Inversions** sections of this label.

CONTROLLING DROPLET SIZE

GENERAL TECHNIQUES

- **VOLUME-** Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.
- **PRESSURE-** Use the lower spray pressures recommended for the nozzle. Higher pressure reduces droplet size and does not improve canopy penetration. WHEN HIGHER FLOW RATES ARE NEEDED, USE A HIGHER-CAPACITY NOZZLE INSTEAD OF INCREASING PRESSURE.
- **NOZZLE TYPE-** Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles.

CONTROLLING DROPLET SIZE- AIRCRAFT

- **NUMBER OF NOZZLES-** Use the minimum number of nozzles with the highest flow rate that provide uniform coverage.
- **NOZZLE ORIENTATION-** Orienting nozzles so that the spray is emitted backwards, parallel to the airstream will produce larger droplets than other orientations.

- **NOZZLE TYPE-** Solid stream nozzles (such as disc and core with swirl plate removed) oriented straight back produce larger droplets than other nozzle types

BOOM LENGTH AND HEIGHT

- **BOOM LENGTH (aircraft)-** The boom length should not exceed 1/4 of the wing length, using shorter booms decreases drift potential. For helicopter use a boom length and position that prevents droplets from entering the rotor vortices.
- **BOOM HEIGHT (aircraft)-** Application more than 10 feet above the canopy increase the potential for spray drift.
- **BOOM HEIGHT (ground)-** Setting the boom at the lowest height which provides uniform coverage reduces the exposure of droplets to evaporation and wind. The boom should remain level with the crop and have minimal bounce.

WIND

Drift potential increases at wind speeds of less than 3 mph (due to variable direction and inversion potential) or more than 10 mph. However, many factors, including droplet size and equipment type determine drift potential at any give wind speed. AVOID APPLICATIONS DURING GUSTY OR WINDLESS CONDITIONS.

NOTE: Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect spray drift

TEMPERATURE AND HUMIDITY

When making applications in hot and dry conditions, set up equipment to produce larger droplets to reduce effects of evaporation.

SURFACE TEMPERATURE AND INVERSIONS

Drift potential is high during a surface temperature inversion. Surface inversions restrict vertical air mixing, which causes small suspended droplets to remain close to the ground and move laterally in a concentrated cloud. Surface inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified 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 a surface inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

SHIELDED SPRAYERS

Shielding the boom or individual nozzles can reduce the effects of wind. However, it is the responsibility of the applicator to verify that the shields are preventing drift and not interfering with uniform deposition of the product.

IMPORTANT PRECAUTIONS FOR CONIFER PLANTATIONS, NON-CROP SITES AND TURF

Injury to or loss of desirable trees or other plants may result from failure to observe the following:

- If equipment is drained and flushed on or near desirable trees or other plants or on areas where their roots may extend, or in locations where the chemical may be washed or moved into contact with their roots.
- Treatment of powdery, dry soil or light, sandy soil when there is little likelihood of rainfall soon after treatment may result in off target movement and possible damage to susceptible crops when soil particles are moved by wind or water. Injury to crops may result if treated soil is washed, blown or moved onto land used to produce crops. Exposure to **SFM + MSM-E-Pro Herbicide** this product may injure or kill most crops. Injury may be more severe when the crops are irrigated. Do not apply this product **SFM + MSM-E-Pro Herbicide** when these conditions are identified and powdery, dry soil or light or sandy soil are known to be prevalent in the area to be treated.
- Applications made where runoff water flows onto agricultural land may injure crops. Applications made during periods of rainfall, to soils saturated with water, surfaces paved with materials such as asphalts or concrete, or soils through which rainfall will not readily penetrate may result in runoff and movement of this product **SFM + MSM-E-Pro Herbicide**. Do not treat frozen soil. Treated soil should be left undisturbed to reduce the potential for this product **SFM + MSM-E-Pro Herbicide** movement by soil erosion due to wind or water.

Do not use on lawns, walks, driveways, tennis courts, or similar areas. Keep from contact with fertilizers, insecticides, fungicides and seeds.

Do not apply in or on irrigation ditches or canals including their outer banks. Do not apply through any type of irrigation system.

Do not use the equipment used to mix or apply this product **SFM + MSM-E-Pro Herbicide** on crops unless specifically directed by supplemental labeling. When applied on fertilizer, do not use the impregnation, transport or application equipment to make subsequent applications to crops. The mixing and application equipment may be used for conifer plantations and non-crop applications only.

If non-crop or conifer plantations sites treated with this product SFM + MSM E-Pro Herbicide are to be converted to a food, feed, or fiber agricultural crop or to a horticultural crop do not plant the treated site for at least one year after the SFM + MSM E-Pro Herbicide application. A field bioassay must then be completed before planting to crops. To conduct a field bioassay, grow to maturity test strips of the crop(s) you plan to grow the following year. The test strips should cross the entire field including knolls and low areas. Crop response to the bioassay will indicate whether or not to plant the crop(s) grown in the test strips. In the case of suspected off-site movement of this product SFM + MSM E-Pro Herbicide to cropland, soil sample should be quantitatively analyzed for this product SFM + MSM E-Pro Herbicide or any other herbicide which could be having an adverse effect on the crop in addition to conducting the above-described bioassay.

Do not use this product in the following counties of Colorado: Saguache, Rio Grande, Alamosa, Costilla and Conejos.

Do not use this product in California.

STORAGE AND DISPOSAL

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

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

PESTICIDE DISPOSAL: Waste 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.

Nonrefillable Containers 5 Gallons or Less: Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available. 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 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities. Plastic containers are also disposable by incineration, or, if allowed by State and local authorities, by burning. If burned stay out of smoke.

Nonrefillable containers larger than 5 gallons: Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available. If recycling or reconditioning not available, puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities. Plastic containers are also disposable by incineration, or, if allowed by State and local authorities, by burning. If burned stay out of smoke. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. **Triple rinse as follows:** Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. **Pressure rinse as follows:** Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

Refillable containers larger than 5 gallons: Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or a mix tank. Fill the container about 10% full with water and, if possible, spray all sides while adding water. Agitate vigorously or recirculate water with the pump for two minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

Or

Refillable Container: Refill this container with pesticide only. Do not reuse this container for any other purpose. Close all openings and replace all caps. Contact Nufarm's Customer Service Department at 1-800-345-3330 to arrange for return of the empty refillable container.

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

19/19

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.~~

~~To the extent allowed by state law, neither Etigra, LLC or Seller shall be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF ETIGRA, LLC AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF ETIGRA, LLC OR SELLER, THE REPLACEMENT OF THE PRODUCT.**~~

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