JAN 14 1998

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Mr. Victor A. Dorr Agrevo USA Company Little Falls Centre One 2711 Centerville Road Wilmington, DE 19808

Dear Mr. Dorr:

Finale VM Herbicide Subject:

EPA Registration No. 45639-214

Application and Letter Dated November, 1998, and Letter Dated January 7, 1999; Request To Amena Registration To Update Precautionary Statements and To Delete "Applications in Rights-of-Hays, Industrial Sites, Ornamental and Christmas Tree Plantings"

Ine proposed label amendments described in the subject applicaion and letters have been reviewed. The proposed lanel submitted January 7, 1999 has been reviewed and found acceptable under the receral Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, provided that you:

- 1. Add the following statement following the directions for the compatibility test on page 10: "If the compatibility test shows signs of incompatibility, do not tank mix the product tested with Finale VM Herbicide".
- 2. Submit one (1) copy of your final printed label prior to releasing this pesticide product for shipment under the subject label, after revision as directed in comment l acove.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA, section 5(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the proposed label is enclosed for your recuras.

Sincerely yours,

SYMBOL				
		lanager (23)	1
	Réfeicide Registrat			
DATE INGIOSONE General 99A 01-14-99				

Edition #19: January 6, 1999

FINALE® VM HERBICIDE

FOR POSTEMERGENCE WEED CONTROL IN CONIFER AND HARDWOOD TREE PLANTINGS

ACTIVE INGREDIENT:

OTHER INGREDIENTS: 88.67%

TOTAL 100.00%

*Equivalent to 1.00 pound of active ingredient per U.S. gallon.

† Protected by U.S. Patent No 4,400,196

KEEP OUT OF REACH OF CHILDREN **WARNING - AVISO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

EPA Registration Number 45639-214

EPA Est. No. 45639-MI-001

Net Contents: 30 Gallons

In EPA Letter Dated

JAN 14 1999

Under the Federal Insecticide,

Fundicide, and Redenticide Act as amended, for the posticide

AgrEvo USA Company

Little Falls Centre One 2711 Centerville Road Wilmington, DE 19338



FIRST AID STATEMENT

If Swallowed: Rinse mouth thoroughly with plenty of water. Do NOT induce

vomiting. Get medical attention immediately.

If in Eyes: Flush with plenty of water. Get medical attention if irritation

persists.

If on Skin: Remove contaminated clothing. Wash skin immediately with plenty

of soap and water. Get medical attention.

If Inhaled: Remove individual to fresh air. Get medical attention if breathing

difficulty develops.

NOTE TO PHYSICIAN

If this product is ingested, endotracheal intubation and gastric lavage should be performed as soon as possible, followed by charcoal and sodium sulfate administration. Additionally, call 1-800-471-0660 immediately for further information.

In case of medical, environmental, or transportation emergencies or inquiries, call 1-800-471-0660 (24 hours/day).

For product inquiry information, call toll free: 1-800-331-2867.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS WARNING

Causes substantial but temporary eye injury. Harmful if swallowed, inhaled, or absorbed through skin. Avoid contact with skin, eyes, or clothing. Avoid breathing vapor or spray mist.

Personal Protective Equipment (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category C on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear:

Long-sleeved shirt and long pants; chemical-resistant gloves such as barrier laminate, butyl rubber ≥14 mils, nitrile rubber ≥14 mils, neoprene rubber ≥14 mils, polyviny! chloride (PVC) ≥14 mils, or Viton® ≥14 mils; shoes plus socks; protective eyewear.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

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 clean equipment or dispose of equipment washwaters in a manner that will contaminate water resources or arable land. Glufosinate-ammonium and its degradates have those properties normally associated with pesticides that have been detected in groundwater. Use of this product in areas with coarse soils and high water tables may result in groundwater contamination.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Do not use or store near heat or open flame.

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: Empty containers should be triple rinsed (or equivalent).

Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration; or, if allowed by State and local authorities, by burning. If

burned, stay out of smoke.

GENERAL INFORMATION

Finale VM Herbicide is a nonselective water-soluble herbicide for application as a foliar spray. When applied as recommended in this label, Finale VM Herbicide controls a broad spectrum of emerged annual and perennial grass and broadleaf weeds. Finale VM Herbicide will also control certain woody species including conifers. Plants that have not yet emerged at the time of application will not be controlled. THOROUGH SPRAY COVERAGE IS IMPORTANT. Visual effects and control from application of Finale VM Herbicide occur within 2 to 4 days after application under good growing conditions.

Avoid all contact, including direct spray and drift, with foliage or green tissue of desirable plants. This product is nonselective and will injure or kill all green vegetation contacted by the spray. If desirable vegetation is contacted, rinse the sprayed portion with water immediately.

Finale VM Herbicide works best when weeds are actively growing. Applications may be made on a broadcast, banded, or spot treatment basis depending on the situation. Weed control may be reduced when applications are made to weeds under stress due to drought or cool temperatures. Weeds under stress or in dense populations will require application at the highest rate recommended. Regrowth may occur due to the weed stage of growth at application, low use rate, or environmental conditions. Repeat treatments may be necessary to control plants generating from underground parts or seed. Refer to the *How to Apply* section of this label for the recommended rates and a list of weeds controlled.

Aerial applications of Finale VM Herbicide should be made only under the conditions specified within this label. Refer to the weed and stage of growth tables shown in the following sections for specific information.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not use this product until you have read the entire label. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

In the State of New York only: Not for use in Nassau and Suffolk Counties.

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 intervals. 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 12 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 such as barrier laminate, butyl rubber ≥14 mils, nitrile rubber ≥14 mils, neoprene rubber ≥14 mils, polyvinyl chloride (PVC) ≥14 mils, or Viton ≥14 mils; shoes plus socks; protective eyewear.

WHEN TO APPLY

Best results are obtained when weeds are actively growing. Weed control may be reduced when applications are made to weeds under stress due to drought or cool temperatures. Weeds under stress or in dense populations will require application of the highest recommended rate.

Finale VM Herbicide is rainfast in a minimum of one-half hour and an average of 4 hours after application depending upon weed species, environmental conditions, and herbicide application rate.

Finale VM Herbicide should be applied at the rate recommended in the *How to Apply* section of this label. Repeat applications of Finale VM Herbicide or tank mixes of Finale VM Herbicide plus one or more appropriate residual herbicide(s) will be needed to control weeds emerging from underground parts or seeds.

HOW TO MIX

Mix Finale VM Herbicide with water to make a finished spray solution as follows:

- 1. Fill the spray tank with the required amount of water.
- 2. Add the proper amount of this product, then mix thoroughly.

USE PRECAUTIONS

- 1. DO NOT apply this product through any type of irrigation system.
- 2. **DO NOT** apply directly to or allow drift to contact desirable green tissue or green, thin, or uncalloused bark of desirable vegetation.
- 3. Finale VM Herbicide is rainfast in a minimum of one-half hour and an average of 4 hours after application depending upon weed species, environmental conditions, and herbicide application rate.
- 4. DO NOT allow grazing of vegetation treated with this product.

HOW TO APPLY

Spot or Directed Applications

This product may be used as a spot- or directed-spray application. Prepare the desired volume of spray solution by mixing Finale VM Herbicide in water at the amounts indicated in the following table:

Percent Spray Solution	Amount of Finale VM Herbicide to Make the Following Volume of Spray Solution:				
	1 Gallon	25 Gallons	100 Gallons		
1 %	1½ fl oz	2 pints	1 gallon		
11/2%	2 fl oz	3 pints	1½ gallons		
21/2%	3 fl oz	5 pints	21/2 gallons		
3 %	4 fl oz	6 pints	3 gallons		
6 %	8 fl oz	12 pints	6 gallons		

Determine the proper percent spray solution depending upon the weed and stage of growth as shown in the following sections. Spray undesirable vegetation foliage on a

spray-to-wet basis. Do not apply beyond runoff. Ensure uniform and complete coverage. Use a coarse spray. To minimize drift, avoid spraying during windy conditions. Backpack, pump-up, and hydraulic sprayers may be used. Thoroughly clean the sprayer following use.

Ground Broadcast or Boom Applications

Apply 2 to 6 quarts of Finale VM Herbicide per acre in a minimum of 20 gallons of water per acre depending upon the weed species as shown in the following sections. Use adequate water and pressure to ensure thorough coverage.

Aerial Applications

Apply as a foliar treatment using a minimum of 5 gallons of water per acre to ensure thorough coverage. Do not apply when winds are gusty or under any conditions which favor drift on to desirable vegetation. Applications under conditions which cause drift of this product will result in damage to any vegetation contacted. Drift control additives may be used. If a drift control additive is used, observe and follow all directions and precautions as specified on the additive label.

Weeds Controlled by Finale VM Herbicide (Low Rate Range)

For spot- or directed-spray application:

Apply a 1% to 21/2% spray solution of Finale VM Herbicide.

For broadcast application:

Apply 3 quarts of Finale VM Herbicide per acre when the weed height or diameter is less than 6 inches.

Apply 4 quarts of Finale VM Herbicide per acre when the weed height or diameter is 6 inches or greater.

Bro	he	lost	F IA	leeds
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Grasses and Sedges

chickweed
clover
common cocklebur
filaree
jimsonweed
kochia
London rocket
malva (little mallow)
marestail
purslane
shepherdspurse
smartweed

barnyardgrass
cupgrass
fall panicum
giant foxtail
goosegrass
green Foxtail
Johnsongrass (rhizome)
lovegrass
shattercane
stinkgrass
windgrass
yellow foxtail

Weeds Controlled by Finale VM Herbicide (High Rate Range)

For spot- or directed-spray application:

Apply a 3% to 6% spray solution of Finale VM Herbicide

For broadcast application:

Apply 4 quarts of Finale VM Herbicide per acre when the weed height or diameter is less than 8 inches.

Apply 6 quarts of Finale VM Herbicide per acre when the weed height or diameter is 8 inches or greater.

The rates listed above will also control the weeds listed in the Weeds Controlled by Finale VM Herbicide - Low Rate Range section of this label.

Broadleaf Weeds

annual sowthistle

bindweed buffalobur burdock

Canada thistle curiv dock dandelion

dogbane (hemp) field gromwell

fleabane goldenrod horsetail

lambsquarters leafy spurge

mugwort musk thistle

nettle

nightshade pennycress

pigweed, red root

plantain

prickly lettuce

ragweed

Russian thistle

tansy mustard velvetleaf

vervain

Virginia cooperleaf

white heath aster

wild buckwheat

wild mustard

wild onion

wild rose wild turnip

woodsorrel

vellow rocket

Grasses and Sedges

annual bluegrass

bahiagrass

barley

Bermudagrass

carpetgrass crabgrass

dallisgrass

downy bromegrass

fescue

guineagrass

Kentucky bluegrass

nutsedge

paragrass

quackgrass

ryegrass sandbur

smooth bromegrass

torpedograss

vaseygrass

wheat

wild oat

Woody Species

Finale VM Herbicide will provide control, partial control or suppression of the perennial woody weed species listed below. Apply 2 to 6 quarts of Finale VM Herbicide per acre. Use the high recommended rates per acre of this product when conditions are not optimum for spray coverage, such as when weed growth is heavy or dense. Lower recommended rates may be used when the target species is conifer and when vegetation growth conditions allow for uniform spray coverage.

Common Name

big maple blackberry deer brush Douglas fir

evergreen huckleberry

gallberry hazel

honeysuckle multiflora rose

oak pine poison-ivy poison-oak

roundleaf greenbriar

salmonberry
sweet gum
sumac
thimbleberry
trumpetcreeper
varnishleaf
vine maple

western red cedar

Scientific Name

Acer spp. Rubus spp. Ceanothus spp.

Pseudotsuga mensiesii

Gaylussacia spp.

llex spp.
Corylus spp.
Lonicera spp.
Rosa multiflora
Quercus spp.
Pinus spp.
Rhus radicans
Rhus toxicodendron
Smilox retundifolio

Smilax rotundifolia Rubus spectabilis Liquidamber styraciflua

Rhus spp.

Rubus parviflorus Campis radicans Ceanothus spp. Acer eircinatum Juniperus spp.

Tank Mix Recommendations

Finale VM Herbicide is compatible in tank mixes with many other herbicides. Follow the more restrictive label limitations and use precautions for each product. No label dosage rates should be exceeded.

Tank mix applications of Finale VM Herbicide plus the following herbicides are recommended for broad spectrum postemergence and preemergence weed control.

Arsenal® Herbicide Applicators Concentrate Chopper® Herbicide

Compatibility of Finale VM Herbicide and clay-based dry flowable herbicides should be determined in a jar test before tank mixing. A quart jar compatibility test should be conducted as follows:

- 1. Fill the jar three-quarters full with water
- Add the appropriate amount of herbicide in the following order: (a) dry flowable,
 (b) wettable powder, (c) aqueous suspensions, (d) flowables, (e) liquids and (f) solutions and emulsifiable or liquid concentrates. Shake or gently stir jar after each addition to thoroughly mix.
- 3. After adding all ingredients, let the mixture stand for 15 minutes and then look for separation, large flakes, precipitates, gels, heavy oily film on the jar or other signs of incompatibility.

WHERE TO APPLY

Conifer and Hardwood Tree Plantings

When applied as recommended on this label, this product may be used for the control of undesirable plants in site preparation prior to planting and establishment of conifer and hardwood plantations. Do not apply Finale VM Herbicide as an over-the-top broadcast spray to desirable conifer or hardwood plantings.

Site Preparation Application: Finale VM Herbicide may be used for pre-plant site preparation for the control of the weeds listed on this label in conifer and hardwood tree plantings. Seedling conifer and hardwood trees may be planted into the treated area after the restricted entry interval (REI) of 12 hours has elapsed. Refer to the How to Apply section of this labeling for the appropriate application rates to control specific weeds.

Directed Spray Application: Finale VM Herbicide may be applied as a directed spray for conifer release in conifer plantations. Refer to the *How to Apply* section of this labeling for the appropriate application rate to control specific species.

IMPORTANT: READ BEFORE USE

By using this product, user or buyer accepts the following conditions, warranty, disclaimer of warranties and limitations of liability.

Conditions: The directions for use of this product are believed to be adequate and should be followed carefully. However, because of extreme weather conditions and soil conditions, manner of use and other factors beyond AgrEvo USA Company's control, it is impossible for AgrEvo USA Company to eliminate all risks associated with the use of this product. As a result, crop injury or ineffectiveness is always possible. All such risks shall be assumed by the user or buyer.

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