

524-507

8/31/2009

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U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
 Registration Division (7505P)
 Ariel Rios Building
 1200 Pennsylvania Ave., NW
 Washington, D.C. 20460

EPA Reg. Number:

524-507

Date of Issuance:

AUG 31 2009

NOTICE OF PESTICIDE:

Registration
 Reregistration
 (under FIFRA, as amended)

Term of Issuance:

Name of Pesticide Product:

Fallow Master Broadpectrum
 Herbicide

Name and Address of Registrant (include ZIP Code):

Monsanto Company
 1300 I Street, Suite 450E
 Washington, D.C. 20005

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is reregistered in accordance with FIFRA section 4(g)(2)(C) provided you:

1. Submit and/or cite all data required for registration/reregistration review of your product when the Agency requires all registrants of similar products to submit data.
2. Make all the following changes to the product label:
 - a. It is recommended that additional text be added to the **Note to Physician** section that addresses eye irritation concerns.
 - b. Revise the second sentence in the **Environmental Hazards** section to read "Do not contaminate water when disposing of equipment **washwater or rinsate.**"
 - c. The double-notification text "Notify workers of the application by warning them orally and by posting warning signs at entrances to treated areas." in the **Agricultural Use Requirements** box is not longer required and may be removed.
 - d. Revise the **Storage and Disposal** statement from "Do not allow this product to contaminate water, foodstuffs, feed or seed by storage or disposal." to "Do not contaminate water, food, or feed by storage and disposal."

Signature of Approving Official:

Jim Tompkins
 Product Manager 25
 Herbicide Branch
 Registration Division (7505P)

Date:

AUG 31 2009

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- e. Revise the **Pesticide Disposal** statement from "Pesticide wastes may be hazardous." to "Pesticide wastes are acutely hazardous."
- f. Revise the heading from "General Information" to "Product Information", as the term "general" renders all information contained within to be advisory and unenforceable.
- g. Revise the second sentence under "~~General~~ Product Information" to read "**Apply** this product ~~should be applied~~ at least 15 days prior to planting of wheat, barley, oats, or sorghum (grain or forage)."
- h. In regards to the **Application Precautions and Warnings** section, it is suggested that the advisory precautions be distinguished from the mandatory restrictions by placing them under separate sections.
- i. On page 8, make the following changes:
 - i. Remove the bullet "The maximum single application rate of dicamba is 1.0 pound per acre."
 - ii. Remove the bullet "Do not make more than 2 applications of this product per year."
 - iii. Revise the fifth bullet to read "This product is ~~recommended~~ **used** for control of emerged weeds prior to establishment of labeled crops..."
 - iv. Revise the ninth bullet to read "Applications ~~should~~ **must** be made only when there is minimal risk from spray drift since very small quantities of spray..."
 - v. Revise the last bullet to read "Fallow Master Broadpectrum herbicide is subject to all federal, state, and county regulations for dicamba **and glyosate**."
 - vi. Add a bullet that reads "The minimum preharvest interval (PHI) for barley, oat grain, and wheat grain is 7 days; for sorghum grain is 30 days."
- j. Revise the **Spray Drift Management** statement to read "Avoiding spray drift at the application site is the responsibility of the applicator **and the grower**."
- k. On page 10, revise the second sentence to read "Where states have more stringent regulations, they ~~should~~ **must** be observed."
- l. On page 11, revise the first paragraph under **Timing of Application** to read "**Apply** this product ~~should be applied~~ postemergence to vigorously growing weeds when they have reached the ~~recommended~~ size given in the "APPLICATION RATES AND WEEDS CONTROLLED" section of this label. **Delay** application ~~should be delayed~~ until maximum emergence of the target weeds, but before weeds exceed the maximum size ~~recommended~~ **listed**. For annual weeds, allow 1 day after treatment before tillage."

- m. Revise all application rate units from “oz” to “fl oz”.
- n. Under **Post-Harvest Application**, revise the phrases in the first paragraph to read “**Allow** weeds ~~should be allowed~~ to re-grow after damage...” and “**Treat** weeds ~~should be treated~~ prior to the heading stage...”
- o. Correct the registration number of the glyphosate source listed on the alternate CSF dated February 19, 2009.

A stamped copy of your label is enclosed for your records. You must submit one (1) copy of the final printed label before you release the product for shipment. Products shipped after twelve (12) months from the date of this notice or the next printing of the label whichever occurs first, must bear the new revised label. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

Enclosure

MASTER LABEL FOR EPA REG. NO. 524-507

Registered Brand Names:

Fallow Master Broadpectrum Herbicide

For control or suppression of emerged weeds in fallow and reduced tillage small grain systems.

Complete Directions for Use

AVOID CONTACT OF HERBICIDE WITH FOLIAGE OF CROP OR OTHER DESIRABLE VEGETATION BECAUSE SEVERE INJURY OR DESTRUCTION MAY RESULT.

EPA Reg. No. 524-507

Fallow Master, and Monsanto and Vine Symbol are trademarks of Monsanto Company.

Read the entire label before using this product.

Use only according to label instructions.

Read the "LIMIT OF WARRANTY AND LIABILITY" before buying or using this product. If terms are not acceptable, return at once unopened.

THIS IS AN END-USE PRODUCT. MONSANTO DOES NOT INTEND AND HAS NOT REGISTERED IT FOR REFORMULATION. SEE INDIVIDUAL CONTAINER LABEL FOR REPACKAGING LIMITATIONS.

[CONTAINER LABEL STATEMENT]
THIS IS AN END-USE PRODUCT. MONSANTO DOES NOT INTEND AND HAS NOT REGISTERED IT FOR REFORMULATION OR REPACKAGING.

LIMIT OF WARRANTY AND LIABILITY

This Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes set forth in the Complete Directions for Use label booklet ("Directions") when used in accordance with those Directions under the conditions described therein. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, NO OTHER EXPRESS WARRANTY OR IMPLIED WARRANTY OF FITNESS FOR PARTICULAR PURPOSE OR MERCHANTABILITY IS MADE. This warranty is also subject to the conditions and limitations stated herein.

Buyer and all users shall promptly notify this Company of any claims whether based in contract, negligence, strict liability, other tort or otherwise.

To the extent consistent with applicable law, buyer and all users are responsible for all loss or damage from use or handling which results from conditions beyond the control of this Company, including, but not limited to, incompatibility with products other than those set forth in the Directions, application to or contact with desirable vegetation, unusual weather, weather conditions which are outside the range considered normal at the application site and for the time period when the product is applied, as well as weather conditions which are outside the application ranges set forth in the Directions, application in any manner not explicitly set forth in the Directions, moisture conditions outside the moisture range specified in the Directions, or the presence of products other than those set forth in the Directions in or on the soil, crop or treated vegetation.

This Company does not warrant any product reformulated or repackaged from this product except in accordance with this Company's stewardship requirements and with express written permission from this Company.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE LIMIT OF THE LIABILITY OF THIS COMPANY OR ANY OTHER SELLER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT (INCLUDING CLAIMS BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY, OTHER TORT OR OTHERWISE) SHALL BE THE PURCHASE PRICE PAID BY THE USER OR BUYER FOR THE QUANTITY OF THIS PRODUCT INVOLVED, OR, AT THE ELECTION OF THIS COMPANY OR ANY OTHER SELLER, THE REPLACEMENT OF SUCH QUANTITY, OR, IF NOT ACQUIRED BY PURCHASE, REPLACEMENT OF SUCH QUANTITY. IN NO EVENT SHALL THIS COMPANY OR ANY OTHER SELLER BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES.

Buyer and all users are deemed to have accepted the terms of this LIMIT OF WARRANTY AND LIABILITY which may not be varied by any verbal or written agreement.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

Keep out of reach of children

DANGER! PELIGRO!

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.)

CORROSIVE. CAUSES IRREVERSIBLE EYE DAMAGE

HARMFUL IF SWALLOWED OR INHALED

If swallowed, may cause irritation of mouth and throat.

Do not get in eyes, or on clothing.

Avoid breathing vapor or spray mist.

FIRST AID: Call a poison control center or doctor for treatment advice.

IF IN EYES

- Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

IF INHALED

- Remove individual to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.

IF SWALLOWED

- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to by a poison control center or doctor.
- Do not give anything to an unconscious person.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. This product is identified as **[INSERT BRAND NAME], EPA Reg. No. 524-507**. You may also contact (314) 694-4000, collect day or night for emergency medical treatment information.

Personal Protective Equipment (PPE)

Some materials that are chemical-resistant to this product are polyethylene and polyvinyl chloride. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.

All mixers, loaders, and applicators and other handlers must wear: long-sleeved shirt and long pants, chemical resistant gloves (except for applicators using groundboom equipment, pilots and flaggers), shoes plus socks and protective eyewear. See engineering controls for additional requirements and exceptions.

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 (Personal Protective Equipment). If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering Controls

Pilots must use cockpits in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)].

<p>User Safety Recommendations:</p> <p>Users should:</p> <ul style="list-style-type: none"> • Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. • Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. • Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.
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In case of an emergency involving this product, call collect, day or night, (314) 694-4000.

Environmental Hazards

Do not apply directly to water, 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.

Physical or Chemical Hazards

Spray solutions of this product should be mixed, stored and applied using only stainless steel, fiberglass, plastic or plastic-lined steel containers.

DO NOT MIX, STORE OR APPLY THIS PRODUCT OR SPRAY SOLUTIONS OF THIS PRODUCT IN GALVANIZED STEEL OR UNLINED STEEL (EXCEPT STAINLESS STEEL) CONTAINERS OR SPRAY TANKS. This product or spray solutions of this product react with such containers and tanks to produce hydrogen gas which may form a highly combustible gas mixture. This gas mixture could flash or explode, causing serious personal injury, if ignited by open flame, spark, welder's torch, lighted cigarette or other ignition source.

ACTIVE INGREDIENTS*:

Glyphosate, N-(phosphonomethyl)glycine, in the form of its isopropylamine salt.....	23.3%
Dicamba, 3,6 dichloro- <i>o</i> -anisic acid,.....	4.1%
OTHER INGREDIENTS:	72.6%
	100.0%

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*Contains 262 grams per litre or 2.2 lbs per gallon of the active ingredient, glyphosate, in the form of its isopropylamine salt and 46 grams per litre or 0.4 lb per gallon of the active ingredient, dicamba acid. Equivalent to 194 grams per litre or 1.6 lbs per gallon of the acid glyphosate and 46 grams per litre or 0.4 lb per gallon of the acid dicamba.

The glyphosate component of this product is protected by U.S. Patent No. 4,405,531. Other patents are pending. No license granted under any non-U.S. patent(s).

DIRECTIONS FOR USE

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

For any requirements specific to your State or Tribe, consult the agency 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 24 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 worn over short-sleeve shirt and short pants, chemical-resistant footwear plus socks, chemical-resistant gloves made of waterproof material, chemical-resistant headgear for overhead exposure and protective eyewear.

Notify workers of the application by warning them orally and by posting warning signs at entrances to treated areas.

For more product information, call toll-free 1-800-332-3111.

Storage and Disposal

Proper pesticide storage and disposal are essential to protect against exposure to people and the environment due to leaks and spills, excess product or waste, and vandalism. Do not allow this product to contaminate water, foodstuffs, feed or seed by storage or disposal.

PESTICIDE STORAGE: STORE ABOVE 40°F to keep product in solution. Store pesticides away from food, pet food, feed, seed, fertilizers, and veterinary supplies. Keep container closed to prevent spills and contamination. See the container label for additional storage information.

[*ADDITIONAL PESTICIDE STORAGE STATEMENT FOR ALL PORTABLE CONTAINER LABELS:* If crystals form, place in a warm room (72°F), allow the product to reach room temperature and roll or shake periodically until crystals have dissolved.]

[*ADDITIONAL PESTICIDE STORAGE STATEMENT FOR ALL NON-PORTABLE CONTAINER LABELS:* Allow product to reach 40°F for several days and mix well or recirculate before using.]

PESTICIDE DISPOSAL: Pesticide wastes may be hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER HANDLING AND DISPOSAL: See container label for container handling and disposal statements and refilling limitations.

[CONTAINER HANDLING AND DISPOSAL STATEMENTS AND REFILLING LIMITATIONS FOR CONTAINER LABELS]

[CONTAINER HANDLING AND DISPOSAL STATEMENT AND REFILLING LIMITATION FOR NONREFILLABLE RIGID CONTAINERS OF LESS THAN 1-GALLON CAPACITY]

Nonrefillable container. Do not reuse or refill this container.

[Alternate container statement: Nonrefillable container. Do not reuse this container to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your state.]

Triple rinse this container promptly after emptying.

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Then offer this container for recycling, if available. If recycling is not available, dispose of in accordance with local, state and federal regulations and procedures, which may include puncturing the properly rinsed container and disposing in a sanitary landfill. If not triple rinsed, this container is acute hazardous waste and must be disposed of in accordance with local, state and federal regulations. If rinsate cannot be used, follow pesticide disposal instructions.

[Alternate container disposal statement: Once properly rinsed, some agricultural plastic pesticide containers can be taken to a container collection site or picked up for recycling. To find the nearest site, contact your chemical dealer or Monsanto at 1-800-ROUNDUP (1-800-768-6387). If recycling is not available, dispose of in accordance with local, state and federal regulations and procedures, which may include puncturing the properly rinsed container and disposing in a sanitary landfill. If not triple rinsed, this container is acute hazardous waste and must be disposed of in accordance with local, state and federal regulations. If rinsate cannot be used, follow pesticide disposal instructions.]

[Additional statement for metal containers only: DO NOT cut or weld metal unrinsed containers.]

[CONTAINER HANDLING AND DISPOSAL STATEMENT AND REFILLING LIMITATION FOR NONREFILLABLE RIGID CONTAINERS OF GREATER THAN 1-GALLON BUT EQUAL TO OR LESS THAN 5-GALLON CAPACITY]

Nonrefillable container. Do not reuse this container to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your state.

[Alternate container statement: Nonrefillable container. Do not reuse or refill this container.]

Triple rinse or pressure rinse (or equivalent) this container promptly after emptying.

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap.

Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

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.

Once properly rinsed, some agricultural plastic pesticide containers can be taken to a container collection site or picked up for recycling. To find the nearest site, contact your chemical dealer or Monsanto at 1-800-ROUNDUP (1-800-768-6387). If recycling is not available, dispose of in accordance with local, state and federal regulations and procedures, which may include puncturing the properly rinsed container and disposing in a sanitary landfill. If not triple rinsed, this container is acute hazardous waste and must be disposed of in accordance with local, state and federal regulations. If rinsate cannot be used, follow pesticide disposal instructions.

[Alternate container disposal statement: Then offer this container for recycling, if available. If recycling is not available, dispose of in accordance with local, state and federal regulations and procedures, which may include puncturing the properly rinsed container and disposing in a sanitary landfill. If not triple rinsed, this container is acute hazardous waste and must be disposed of in accordance with local, state and federal regulations. If rinsate cannot be used, follow pesticide disposal instructions.]

[Additional statement for metal containers only: DO NOT cut or weld metal unrinsed containers.]

[CONTAINER HANDLING AND DISPOSAL STATEMENT AND REFILLING LIMITATION FOR NONREFILLABLE RIGID CONTAINERS OF GREATER THAN 5-GALLON CAPACITY]

Nonrefillable container. Do not reuse or refill this container.

[Alternate container statement: Nonrefillable container. Do not reuse this container to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your state.]

Triple rinse or pressure rinse (or equivalent) this container promptly after emptying.

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one 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 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.

Once properly rinsed, some agricultural plastic pesticide containers can be taken to a container collection site or picked up for recycling. To find the nearest site, contact your chemical dealer or Monsanto at 1-800-ROUNDUP (1-800-768-6387). If recycling is not available, dispose of in accordance with local, state and federal regulations and procedures, which may include puncturing the properly rinsed container and disposing in a sanitary landfill. If not triple rinsed, this container is acute hazardous waste and must be disposed of in accordance with local, state and federal regulations. If rinsate cannot be used, follow pesticide disposal instructions.

[*Alternate container disposal statement:* Then offer this container for recycling, if available. If recycling is not available, dispose of in accordance with local, state and federal regulations and procedures, which may include puncturing the properly rinsed container and disposing in a sanitary landfill. If not triple rinsed, this container is acute hazardous waste and must be disposed of in accordance with local, state and federal regulations. If rinsate cannot be used, follow pesticide disposal instructions.]

[*Additional statement for metal containers only:* DO NOT cut or weld metal unrinsed containers.]

[*Optional container label statement:* Return Properly Rinsed Container to Monsanto for Recycling Contact: 1-800-ROUNDUP (1-800-768-6387)]

[CONTAINER HANDLING AND DISPOSAL STATEMENT AND REFILLING LIMITATION FOR ALL REFILLABLE CONTAINERS, EXCEPT TRANSPORT CONTAINERS]

Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose.

Cleaning this container before refilling is the responsibility of the refiller. Cleaning this container before final disposal is the responsibility of the person disposing of the container.

To clean this container before final disposal, empty the remaining contents from this container into application equipment or a mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer the container for recycling, if available. To obtain information about recycling refillable containers, contact Monsanto Company at 1-800-ROUNDUP (1-800-768-6387).

[*Optional container label statement:* Return Properly Rinsed Container to Monsanto for Recycling Contact 1-800-ROUNDUP (1-800-768-6387)]

[CONTAINER HANDLING AND DISPOSAL STATEMENT FOR ALL TRANSPORT CONTAINERS AS DEFINED IN 40 CFR 156.3]

Emptied container retains vapor and product residue. Observe all precautions stated on this label until the container is cleaned, reconditioned or destroyed. Prior to refilling, inspect carefully for damage such as cracks, punctures, abrasions, and worn-out threads and closures. Clean thoroughly before reuse for transportation of a material of different composition or before retiring this transport vehicle from service.

GENERAL INFORMATION

Fallow Master Broadspectrum herbicide is a postemergence herbicide for control or suppression of emerged weeds in fallow and reduced tillage systems. This product should be applied at least 15 days prior to planting of wheat, barley, oats, or sorghum (grain or forage).

This product enters the plant through the foliage and moves throughout the plant. Visual effects of control are a gradual wilting or yellowing of the plant, which advances to complete browning of above-ground growth and deterioration of affected underground plant parts. Visible symptoms will usually develop on labeled weeds within 2 to 4 days after application, but may not occur for 7 or more days. Extremely cool or cloudy weather following treatment may slow activity of this product and delay the visual effects of control.

APPLICATION PRECAUTIONS AND WARNINGS

- Do not apply this product through any type of irrigation system.

- The maximum single application rate of dicamba is 1.0 pound per acre.
- Do not make more than 2 applications of this product per year.
- Delay planting of wheat, barley, oats, or sorghum (grain or forage) for 15 days after application of this product.
- Do not plant any crop other than corn, wheat, barley, oats, or sorghum (grain or forage) for 3 months after application or until this product has disappeared from the soil.
- This product is recommended for control of emerged weeds prior to establishment of labeled crops. Large amounts of green or decaying vegetation left standing or incorporated into the seedbed may enhance the development of disease in newly planted crops. This may result in poor emergence and/or stands, especially under cool and/or wet conditions.
- Do not feed or forage treated vegetation within 8 weeks after application.
- Spraying early to control young weeds before dense stands develop, or light cultivation to assist weed decay, will favor preparation of suitable seedbeds.
- THIS PRODUCT MAY CAUSE INJURY TO DESIRABLE TREES, PLANTS OR CROPS, ESPECIALLY SENSITIVE BROADLEAF PLANTS SUCH AS BEANS, COTTON, FLOWERS, FRUIT TREES, GRAPES, ORNAMENTALS, PEAS, POTATOES, SOYBEANS, SUNFLOWERS, TOMATOES AND OTHER BROADLEAF PLANTS IF BROUGHT INTO CONTACT WITH THEIR ROOTS, STEMS OR FOLIAGE. THESE PLANTS ARE MOST SENSITIVE DURING THEIR ACTIVE GROWTH AND DEVELOPMENT STAGE.
- Applications should be made only when there is minimal risk from spray drift since very small quantities of spray, which may not be visible, may severely injure susceptible crops or desirable vegetation. See the "AERIAL SPRAY DRIFT MANAGEMENT" Section of this label for additional information.
- Movement of this product on soil particles during windstorms may cause damage to susceptible plants that are contacted. This hazard is reduced if rainfall occurs shortly after application.
- Buyer and all users are responsible for all loss or damage in connection with the use or handling of mixtures of this herbicide or other materials that are not expressly recommended in this labeling. Mixing this product with herbicides or other materials not recommended on this label may result in reduced performance. Use of this product in any manner not consistent with this label may result in injury to persons, animals, or crops, or other unintended consequences.
- Fallow Master Broadpectrum herbicide is subject to all federal, state and county regulations for dicamba.

MIXING INSTRUCTIONS

Fill the spray tank to about 3/4 of the desired volume with clean water. Add the required amount of this product, then complete the filling process while maintaining agitation. Remove the hose from the mixing tank immediately after filling to avoid siphoning back into the carrier source. During mixing and application, foaming of the spray solution may occur. To prevent or minimize foam, terminate bypass and return lines at the tank bottom and/or use an agriculturally approved anti-foam or defoaming agent.

Additional surfactant is not recommended for this formulation.

NOTE: Reduced results may occur if water containing soil is used, such as water from ponds and unlined ditches.

AMMONIUM SULFATE

The addition of 1 to 2 percent dry ammonium sulfate by weight (or liquid equivalent) may increase the performance of Fallow Master Broadspectrum herbicide tank mixtures on annual weeds. Add 8.5 to 17 pounds of dry ammonium sulfate per 100 gallons of spray solution. The improvement in performance may be apparent where environmental stress is a concern. Use the higher rate of ammonium sulfate with Fallow Master Broadspectrum when treating large or dense populations of annual weeds. Low-quality ammonium sulfate may contain material that will not readily dissolve which could result in nozzle-tip plugging. To determine quality, perform a jar test by adding 1/3 cup of ammonium sulfate to 1 gallon of water and agitate for 1 minute. If undissolved sediment is observed, predissolve the additive in water and filter prior to addition to the spray tank. If ammonium sulfate is added directly to the spray tank, add slowly with agitation. Adding too quickly may clog outlet line. Ensure that ammonium sulfate is completely dissolved in the spray tank before adding herbicides. Thoroughly rinse the spray system with clean water promptly after use to reduce corrosion. Observe all precautionary statements on the ammonium sulfate product label.

NOTE: Compatibility problems may occur at carrier volumes below 5 gallons per acre.

APPLICATION EQUIPMENT

This product may be applied using either ground or aerial spray equipment. For ground application, apply in 3 to 10 gallons of water per acre. For aerial application, apply in 3 to 5 gallons of water per acre.

SPRAY DRIFT MANAGEMENT

AVOID DRIFT. EXTREME CARE MUST BE USED WHEN APPLYING THIS PRODUCT TO PREVENT INJURY TO DESIRABLE PLANTS AND CROPS.

Do not allow this herbicide solution to mist, drip, drift or splash onto desirable vegetation as minute quantities of this product can cause severe damage or destruction to the crop, plants or other areas on which treatment was not intended.

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment- and weather-related factors determine the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions.

GROUND APPLICATION: Apply this product at the rates specified on this label in 3 to 10 gallons of water per acre as a broadcast spray. For optimum spray distribution and coverage, use flat-fan or low-volume flood nozzles. When using flood nozzles, space them no more than 40 inches apart and ensure double overlap of spray pattern. Refer to the manufacturer's recommendations for correct pressure and nozzle height above the target canopy. Avoid pressure and nozzles that produce fine droplets or mist.

Use appropriate marking devices to ensure uniform spray coverage and best results from this product.

AERIAL APPLICATION: Apply this product at the rates specified on this label in 3 to 5 gallons of water per acre as a broadcast spray. **TO PREVENT INJURY TO ADJACENT DESIRABLE VEGETATION, APPROPRIATE BUFFER ZONES MUST BE MAINTAINED.**

AERIAL SPRAY DRIFT MANAGEMENT

The following drift management requirements must be followed to avoid off-target drift movement from aerial applications to agricultural field crops.

- 1. The distance of the outermost nozzles on the boom must not exceed 3/4 the length of the wingspan or rotor.

2. Nozzles must always point backward parallel with the air stream and never be pointed downwards more than 45 degrees. Where states have more stringent regulations, they should be observed.

Importance of droplet size

The most effective way to reduce drift potential is to apply large droplets. The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. Applying larger droplets reduces drift potential, but will not prevent drift if applications are made improperly, or under unfavorable environmental conditions (see the **Wind, Temperature and Humidity**, and **Temperature Inversion** sections of this label).

Controlling droplet size

- **Volume:** Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with the 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 protection. When higher flow rates are needed, use higher flow rate nozzles instead of increasing pressure.
- **Number of nozzles:** Use the minimum number of nozzles that provide uniform coverage.
- **Nozzle orientation:** Orienting nozzles so that the spray is released backwards, parallel to the airstream, will produce larger droplets than other orientations. Significant deflection from the horizontal will reduce droplet size and increase drift potential.
- **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. Solid stream nozzles oriented straight back produce larger droplets than other nozzle types.
- **Boom Length:** For some use patterns, reducing the effective boom height to less than $\frac{3}{4}$ of the wingspan or rotor length may further reduce drift without reducing swath width.
- **Application Height:** Applications should not be made at a height greater than 10 feet above the top of the largest plants unless a greater height is required for aircraft safety. Making applications at the lowest height that is safe reduces the exposure of the droplets to evaporation and wind.

Swath Adjustment

When applications are made with a crosswind, the swath will be displaced downward. Therefore, on the up and downwind edges of the field, the applicator must compensate for this displacement by adjusting the path of the aircraft upwind. Swath adjustment distance should increase, with increasing drift potential (higher wind, smaller droplets, etc.).

Wind

Drift potential is lowest between wind speeds of 2 to 10 mph. However, many factors, including droplet size and equipment type determine drift potential at any given speed. Application should be avoided below 2 mph due to variable wind direction and high inversion potential. **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 low relative humidity, set up equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry.

Temperature inversions

Applications should not occur during a temperature inversion because drift potential is high. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to the light variable winds common during inversions. Temperature inversions are characterized by increasing temperatures 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 an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

Sensitive areas

The pesticide should only be applied when the potential for drift to adjacent sensitive areas (e.g. residential areas, bodies of water, known habitat for threatened or endangered species, non-target crops) is minimal (e.g. when wind is blowing away from the sensitive areas).

TIMING OF APPLICATION

This product should be applied postemergence to vigorously growing weeds when they have reached the recommended size given in the "APPLICATION RATES AND WEEDS CONTROLLED" section of this label. Application should be delayed until maximum emergence of the target weeds, but before weeds exceed the maximum size recommended. For annual weeds, allow 1 day after treatment before tillage.

Reduced control may result if application is made during poor growing conditions such as drought stress, disease or insect damage or if weeds have been mowed, grazed or cut. Heavy dust on foliage or an overstory canopy covering targeted weeds may also reduce control.

Rainfall or irrigation occurring within 6 hours after application may reduce effectiveness. Heavy rainfall or irrigation within 2 hours after application may wash this product off the foliage and a repeat application may be required.

SPRAYER CLEANUP

The steps listed below are suggested for thorough cleaning of spray equipment following application of this product. Failure to thoroughly clean the sprayer may result in injury to desirable vegetation subsequently sprayed with the equipment.

1. Thoroughly rinse the inside as well as the outside surfaces of equipment while filling the spray tank half full with water. Flush by operating the sprayer until the system is purged of the rinse water.
2. Fill the tank with water while adding 1 quart of household ammonia for every 25 gallons of water. Operate the pump to circulate the ammonia solution through the sprayer system for 15 to 20 minutes and discharge a small amount of the ammonia solution through the boom and nozzles. Let the solution stand for several hours, preferably overnight.
3. Flush the solution out of the spray tank through the boom.
4. Remove the nozzles and screens and flush the system with two full tanks of water.

Thoroughly wash aircraft, especially landing gear, after each day of spraying to remove residues of this product accumulated during spraying or from spills. **PROLONGED EXPOSURE OF THIS PRODUCT TO UNCOATED STEEL SURFACES MAY RESULT IN CORROSION AND POSSIBLE FAILURE OF THE PART. LANDING GEAR ARE MOST SUSCEPTIBLE.** The maintenance of an organic coating (paint) which meets aerospace specification MIL-C-38413 may prevent corrosion.

APPLICATION RATES

AND WEEDS CONTROLLED

For best results, apply this product after most weed seeds have germinated but before seedhead formation in grasses or flower bud formation in broadleaves.

When applied as directed, this product will provide control or suppression of the grass and broadleaf weed species listed below. Application rates are for maximum weed height at time of treatment.

ANNUAL WEED SPECIES	Fallow Master Broadspectrum	
	Rate Per Acre	Maximum Height
Foxtail, green <i>Setaria viridis</i>	32 oz	12"
Barley <i>Hordeum vulgare</i>	32 oz	6"
Brome, downy* <i>Bromus tectorum</i>		
Cheat* <i>Bromus secalinus</i>		
Foxtail <i>Setaria spp.</i>		
Kochia* <i>Kochia scoparia</i>		
Lettuce, prickly* <i>Lactuca serriola</i>		
Lambsquarters <i>Chenopodium album</i>	32 oz	12"
Mustard, tansy <i>Descurainia pinnata</i>		
Mustard, tumble <i>Sisymbrium altissimum</i>		
Pigweed <i>Amaranthus spp.</i>		
Sandbur, field <i>Cenchrus spp.</i>		
Stinkgrass <i>Eragrostis cilianensis</i>		
Wheat <i>Triticum aestivum</i>		
Witchgrass <i>Panicum capillare</i>		
Barnyardgrass <i>Echinochloa crus-galli</i>	44 oz	6"
Buffalobur <i>Solanum rostratum</i>		

Goatgrass
Aegilops cylindrica

Mustard, blue
Chorispora tenella

Panicum, fall
Panicum dichotomiflorum

Oats, wild 44 oz 12"
Avena fatua

Thistle, Russian
Salsola kali

*For control of heavy infestations or dense, over-wintered stands, use 44 fluid ounces.

POST-HARVEST APPLICATION

This product will provide weed control following grain harvest. Weeds should be allowed to re-grow after damage incurred during harvesting operations and to recover from environmental stress before application of this product. Weeds should be treated prior to the heading stage of annual grasses and before broadleaf weeds exceed 24 inches in height. Ammonium sulfate will improve performance on annual weeds under stress conditions.

A treatment rate of 32 fluid ounces per acre will control weeds including downy brome, green foxtail, stinkgrass and volunteer wheat.

A treatment of 44 fluid ounces per acre will control kochia, lambsquarters, mustard, pigweed and Russian thistle.

A treatment of 52 fluid ounces per acre will control barnyardgrass, sandbur, witchgrass, yellow foxtail, and prickly lettuce.

FALLOW MASTER BROADSPECTRUM plus ATRAZINE

Tank mixtures of Fallow Master Broadspectrum herbicide plus atrazine will provide postemergence control of the annual weeds listed below in fallow and reduced tillage systems. In addition, these tank mixtures will provide soil residual control of weeds listed on the atrazine label.

ANNUAL WEEDS CONTROLLED

Barnyardgrass
Echinochloa crus-galli

Brome, downy
Bromus tectorum

Foxtail, green
Setaria viridis

Kochia
Kochia scoparia

Lambsquarters
Chenopodium album

Lettuce, prickly
Lactuca serriola

Pigweed, redroot
Amaranthus retroflexus

Sandbur, field
Cenchrus spp.

Stinkgrass
Eragrostis cilianensis

Thistle, Russian
Salsola kali

Wheat
Triticum aestivum

Witchgrass
Panicum capillare

Mustard, tansy
Descurainia pinnata

Apply 32 fluid ounces of this product plus 1 pound or less of the active ingredient, atrazine, per acre. Use 44 fluid ounces of this product plus 2 pounds or less of the active ingredient, atrazine, per acre. Use 52 fluid ounces of this product plus 1 to 3 pounds of the active ingredient, atrazine, per acre. In Oregon and Washington, do not exceed 1 pound of the active ingredient, atrazine, per acre. Barnyardgrass will be suppressed by a treatment of 52 fluid ounces per acre rate and will require up to 70 fluid ounces per acre for control. The addition of ammonium sulfate is recommended to increase the performance of Fallow Master Broadpectrum herbicide plus atrazine tank mixtures.

Consult the atrazine label for use rates, soil type, planting, cropping and other restrictions, as well as other precautionary statements and use according to the most restrictive label.

These tank mixtures may be applied with ground or aerial equipment. See the "APPLICATION EQUIPMENT" section for instructions.

EPA Reg. No. 524-507

In case of an emergency involving this product, call collect, day or night, (314) 694-4000.

© [INSERT DATE]

MONSANTO COMPANY
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ACCEPTED
with COMMENTS
in EPA Letter Dated

AUG 31 2009

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

524-507