

PM-22

Reg # 55947-159

125

Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060. Approval expires 05-31-88



United States
Environmental Protection Agency
Washington, DC 20460

Registration
Amendment
 Other

OPP Identifier Number
250996

Application for Pesticide - Section I

1. Company/Product Number Sandoz Agro, Inc./55947-159	2. EPA Product Manager J. Stone	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Sandoz Agro, Inc./Frontier 6.0 Herbicide	PM# 22	
5. Name and Address of Applicant (Include ZIP Code) Sandoz Agro, Inc. 1300 E. Touhy Ave. Des Plaines, IL 60018 <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 checked="" type="checkbox"/> Final printed labels in response to Agency letter dated March 12, 1996
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application. NOTIFICATION
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below. APR 24 1996

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Label change comment (#6) per 3/12/96 EPA letter, tank mix directions for use incorporated as requested.

Notification of label change per PRN 95-2 -- revisions specifically noted in attached letter.

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 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 checked="" type="checkbox"/> Paper
				<input checked="" type="checkbox"/> Other (Specify) <u>mini-bulk</u>	
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 110/300 gal		5. Location of Label Directions <input type="checkbox"/> On Label <input checked="" 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 Nancy Huebl	Title Label Coordinator	Telephone No. (Include Area Code) (847) 390-3823
Certification 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.		6. Date Application Received (Stamp)
2. Signature <i>Nancy Huebl</i>	3. Title Label Coordinator	
4. Typed Name Nancy Huebl	5. Date March 14, 1996	

FRONTIER 6.0

Herbicide

Supplemental Labeling

For Weed Control in Sweet Corn, Grain Sorghum, Dry Bean and Peanut

EPA Reg. No. 55947-159

Directions For Use

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

Important

Before using this product, read and carefully observe all applicable directions, restrictions, and precautionary statements on the EPA-registered container label. In addition read and follow General Information, Weeds Controlled, Use Methods and Timing, Mixing and Application sections of the Directions For Use Booklet attached to the FRONTIER® 6.0 Herbicide (FRONTIER 6.0) container. Eclipta is now added to the list of weeds that are partially controlled by FRONTIER 6.0 in all crop uses. Follow all directions given below for crop specific uses in sweet corn, grain sorghum, dry bean and peanut.

If mechanically incorporated into soil, use uniform shallow surface incorporation. Avoid deep (more than 1 or 2 inch depth) incorporation or reduced weed control and/or crop injury may occur.

FRONTIER 6.0 Sweet Corn Use Programs

FRONTIER 6.0 may be used as a preplant surface, preplant incorporated, preemergence or post-emergence (up to 8 inch tall sweet corn) application in sweet corn. A single or split application may be used.

Before application to sweet corn, verify with your local seed company (supplier) the selectivity of FRONTIER 6.0 on your specific variety(s). This precaution will help avoid potential injury to sensitive varieties.

Delayed emergence or leaf wrapping of sweet corn may occur if extreme conditions of high rainfall with extended periods of water saturated soil and/or cool

weather occur during sweet corn germination and emergence.

Sweet corn may be grazed or fed to livestock at 40 or more days after application of FRONTIER 6.0. Sweet corn ears may be harvested at 50 or more days after application of FRONTIER 6.0.

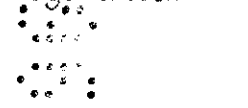
Do not use adjuvants with FRONTIER 6.0 in sweet corn.

FRONTIER 6.0 Use Rates in Sweet Corn

For FRONTIER 6.0 rates in sweet corn, use rates given for field corn, seed corn and popcorn in Directions for Use Booklet attached to the FRONTIER 6.0 container.

FRONTIER 6.0 Tank Mixtures and Sequential Use Programs in Sweet Corn

Tank mixtures and sequential use programs for field corn, seed corn, and popcorn in Directions for Use Booklet attached to the FRONTIER 6.0 container label apply for use in sweet corn when the companion product is registered for sweet corn use. Always read the companion product label(s) to verify allowed uses in sweet corn including: specific use rates by soil types, weed species, and weed or crop growth stage. Follow all precautions and restrictions including state and local use restrictions that may apply to specific companion products. In addition, this product can be used prior to or tank mixed with Basagran® or Laddok® S-12 herbicides for use on sweet corn in accordance with the most restrictive of label limitations and precautions. No label dosage rates should be exceeded. This product cannot be mixed with any product containing a label prohibition against such mixing.



FRONTIER 6.0 Grain Sorghum Use Programs

FRONTIER 6.0 may be used as a preplant surface, preplant incorporated, or preemergence application in sorghum. A single or split application program may be used. All FRONTIER 6.0 applications must only be made to sorghum seed that has been properly treated by the seed company with an approved chloroacetamide herbicide safener or severe injury may occur.

Under high soil moisture and/or cool conditions, FRONTIER 6.0 application may cause temporary stunting or leaf wrapping of sorghum. Sorghum will normally outgrow these symptoms in 10-14 days.

For best performance make preemergence surface applications within 5 days of the last preplant tillage. If weeds are emerged apply FRONTIER 6.0 with contact herbicides to control emerged vegetation.

Sorghum forage may be grazed or fed to livestock at 60 or more days after application. Grain and fodder may be harvested and fed at 80 or more days after application of FRONTIER 6.0.

FRONTIER 6.0 is not registered for use on sweet or forage sorghum.

Do not use adjuvants with FRONTIER 6.0 in sorghum.

FRONTIER 6.0 Use Rates in Sorghum

For FRONTIER 6.0 rates in sorghum use rates given for field corn, seed corn and popcorn in the Directions for Use Booklet attached to the FRONTIER 6.0 container. Additional rate recommendations specific for sorghum: for best weed control in coarse textured soil use 20 fl oz/A and for sorghum produced under irrigation, use a minimum of 23 fl oz/A.

FRONTIER 6.0 Tank Mixtures and Sequential Use Programs in Sorghum

FRONTIER 6.0 may be applied prior to, in tank mix with, or following use of one or more of the following herbicides in sorghum: atrazine, Cyclone[®] CF, Fallow Master[™], Gramoxone[®] Extra, glyphosate (Roundup[®]), Landmaster[®] BVV, and Milo-Pro[®]. In addition, this product can be used in sequential applications with other herbicides labeled for use on grain sorghum such as: BANVEL[®], Basagran, Buctril[®], Laddok S-12, MARKSMAN[®], WEEDMASTER[®] or 2,4-D. No label dosage rates should be exceeded. This product cannot be mixed with any product containing a label prohibition against such mixing.

When using tank mix or sequential applications with FRONTIER 6.0, always read the companion product label(s) to determine specific use rates by soil types, weed species and weed or crop growth stage. In addition, follow precautions and restrictions including state and local use restrictions that may apply to specific products.

FRONTIER 6.0 plus

atrazine
(0.75 to 2.0 lb ai/A)

Applications may be made preplant, preplant incorporated, or preemergence. Do not apply on coarse textured soils or medium textured soils with less than 1.5% organic matter.

FRONTIER 6.0 plus

Milo-Pro
(0.60 to 2.3 lb ai/A)

Applications may be made preplant or preemergence in states where Milo-Pro is approved for use. Do not apply this combination on sand or sandy loam soils.

FRONTIER 6.0 plus

Cyclone CF
or
Gramoxone Extra
(1.5 to 3.0 pt/A)
or
Roundup (glyphosate)
(0.5 to 4.0 lb ai/A)
or
Landmaster BVV
or
Fallow Master

Apply for burn down of emerged weeds in minimum or no-tillage production system. Application with Cyclone, Gramoxone or Roundup must be made before crop emergence. Landmaster or Fallow Master applications must be made 14 or more days before sorghum seeding.

FRONTIER 6.0 Dry Bean Use Programs

FRONTIER 6.0 may be used as a preplant surface applied, preplant incorporated, preemergence or early postemergence (first to third trifoliate stage) treatment to all dry bean classes (such as small whites, navy, black turtle soup, pink, pinto, great northern, red Mexican, red kidney and cranberry) and lentils. A single or split application program may be used.

Before application to dry beans, verify with your local seed company (supplier) the selectivity of FRONTIER 6.0 on your specific dry bean class and variety. This precaution will help avoid potential injury to sensitive classes or varieties.

This product is not registered for use in succulent beans or cowpeas.

Dry beans may be harvested 70 or more days after FRONTIER 6.0 application.

If extreme conditions of high rainfall and extended periods of water saturated soil occur during dry edible bean germination or early seedling development, FRONTIER 6.0 use may result in temporary growth suppression. This suppression has not resulted in reduced dry edible bean yield.

FRONTIER 6.0 use postemergence may occasionally result in some temporary spotting or browning of dry bean leaves.

Do not use adjuvants with FRONTIER 6.0 in dry beans.

FRONTIER 6.0 Use Rates in Dry Bean

For FRONTIER 6.0 rates in dry bean use rates given for soybeans in the Directions for Use Booklet attached to the FRONTIER 6.0 container. Additional recommendations specific to dry beans are to use FRONTIER 6.0 at a maximum of 16 fl oz/A on coarse soils with CEC < 5 or organic matter less than 1.5% for soil applications made prior to crop emergence.

FRONTIER 6.0 may be tank mixed with or applied sequentially in one or more of the following herbicide combination programs.

FRONTIER 6.0 Tank Mixtures and Sequential Use Programs in Dry Bean

FRONTIER 6.0 may be applied prior to, in tank mix with, or following use of one or more of the following herbicides in dry bean: Basagran, Eptam®, glyphosate (Roundup), paraquat (Gramoxone Extra), Prowl® 3.3 EC, Pursuit®, Sonalan™, and trifluralin (Treflan™). In addition, FRONTIER 6.0 may be applied postemergence following preplant or preemergence use of alachlor (Lasso®) or Dual®. In addition, this product can be tank mixed with Far-Go® or sethoxydim (Poasi®) herbicides for use on dry beans in accordance with the most restrictive of label limitations and precautions. No label dosage rates should be exceeded. This product cannot be mixed with any product containing a label prohibition against such mixing.

When using tank mix or sequential applications with FRONTIER 6.0, always read the companion product label(s) to determine specific dry bean classes registered, use rates by soil types, weed species, and weed or crop growth stage. In addition, follow precautions and restrictions including state and local use restrictions that may apply to specific products.

FRONTIER 6.0 plus Basagran 4 EC (1.0 to 2.0 pt/A)	Make application after the first trifoliolate leaf has fully expanded through the third trifoliolate leaf stage of dry bean.
FRONTIER 6.0 plus Pursuit® 2.0 SL (2.0 to 3.0 fl oz/A) or Pursuit® 70DG (0.72 to 1.1 oz/A)	Application may be made preplant, preemergence or postemergence. Make post-emergence application after first trifoliolate leaf has expanded through the third trifoliolate leaf stage of dry bean.
FRONTIER 6.0 plus Prowl 3.3 EC (1.2 to 3.6 pt/A) or trifluralin (0.5 to 1.0 lb ai/A) Treflan™ 4 EC (1.0 to 2.0 pt/A) or Sonalan™ 3 EC (1.5 to 4.5 pt/A) or Eptam® 7-E (2.0 to 4.5 pt/A)	FRONTIER 6.0 may be used in tank mix with or applied sequentially after the use of these products. For best performance, use FRONTIER 6.0 preemergence following preplant incorporation of these products. If tank mixed, applications must be mechanically incorporated into the soil. Use uniform thorough incorporation in upper 1 to 2 inches of soil.
FRONTIER 6.0 plus Roundup (glyphosate) (0.5 to 4.0 lb ai/A) or Gramoxone Extra (1.5 to 3.0 pt/A)	Apply for burn down of emerged weeds in minimum or no-till production systems. Application must be made before crop emergence.

FRONTIER 6.0 Peanut Use Programs

FRONTIER 6.0 may be used preplant surface, preplant incorporated, preemergence or postemergence (up to 80 days prior to harvest) in peanut. A single or split application may be used.

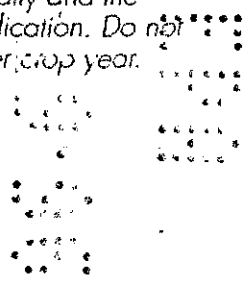
Peanut hay or straw may be grazed or fed to livestock at 80 or more days after last application of FRONTIER 6.0.

Do not use adjuvants with FRONTIER 6.0 in peanuts.

FRONTIER 6.0 Use Rates in Peanut

Use FRONTIER 6.0 at 16-32 fl oz/A when applied alone or in tank mix combinations. Use 20 to 32 fl oz/A for soil applications and higher rates (25-32 fl oz/A) for improved control or suppression of difficult weeds like yellow nutsedge, Florida beggarweed, eclipta, common ragweed and other broadleaf species.

FRONTIER 6.0 may also be used in a split application using 1/2 to 2/3 the maximum rate initially and the remaining 1/2 to 1/3 in sequential application. Do not exceed a maximum of 32 fl oz/A per crop year.



FRONTIER 6.0 Tank Mixtures and Sequential Use Programs in Peanut

FRONTIER 6.0 may be applied prior to, in tank mix with, or after use of one or more of the following herbicides in peanut: Balan™, Basagran, Blazer®, Bugle®, Classic®, 2,4-DB (Butyrac®), Dual, Lasso, Prowl 3.3 EC, Poast, Poast Plus®, Pursuit, Sonalan, Starfire®, Storm®, Tough®, trifluralin (Treflan), Vernam® or Zorial®, in accordance with the most restrictive of label limitations and precautions. No label dosage rates should be exceeded. This product cannot be mixed with any product containing a label prohibition against such mixing.

When using tank mix or sequential applications with FRONTIER 6.0, always read the companion product label(s) to determine specific use rates by soil type, weed species, and weed or crop growth stage. In addition, follow precautions and restrictions including state and local use restrictions that may apply to specific products.

This labeling must be in the possession of the user at the time of the pesticide application.

Registered Trademarks

Balan™, Sonalan™, Sonalan™ 3 EC, Treflan™ and Treflan™ 4 EC are trademarks of Dow-Elanco.

Basagran®, Blazer®, Laddok® S-12, Poast®, Poast Plus® and Storm® are registered trademarks of BASF Corporation.

Bugle® is a registered trademark of AgroEvo USA Company.

Bucrit® and Butyrac® are registered trademarks of Rhone-Poulenc Ag Company.

Classic® is a registered trademark of E.I. Du Pont de Nemours and Co., Inc.

Cyclone® CF, Eptam®, Eptam® 7-E, Gramoxone® Extra, Starfire® and Vernam® are registered trademarks of Zeneca, Inc.

Dual® is a registered trademark of Ciba Geigy Corporation.

Fallow Master™, Far-Go®, Landmaster® BW, Lasso® and Roundup® are trademarks of Monsanto Agricultural Company.

Milo-Pro® is a registered trademark of Griffin Corporation.

Prowl® 3.3 EC, Pursuit®, Pursuit® 2.0 Sl and Pursuit® 70DG are registered trademarks of American Cyanamid Company.

BANVEL®, FRONTIER® 6.0, MARKSMAN®, TOUGH®, WEEDMASTER® and ZORIAL® Herbicide are registered trademarks of Sandoz Ltd.

Registrant:



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