

US ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF PESTICIDES PROGRAMS
REGISTRATION DIVISION (75-767)
WASHINGTON, DC 20460

EPA REGISTRATION NO.
7969-107

DATE OF ISSUANCE
MAR 10 1994

TERM OF ISSUANCE
Conditional

NOTICE OF PESTICIDE: ☒ REGISTRATION
☐ REREISTRATION

Under the Federal Insecticide, Fungicide,
and Rodenticide Act as amended.

NAME OF PESTICIDE PRODUCT

Pix DF Plant Regulator

NAME AND ADDRESS OF REGISTRANT (Include ZIP Code)

BASF Corporation
Agricultural Products
P.O. Box 13528
Research Triangle Park, NC 27709-3528

NOTE: Changes in labeling formula 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 U.S. 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.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this 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 conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. Within 15 days of receipt of this Notice, submit in writing your agreement to change precautionary statements and signal word on the label, if the Agency's review of your submission concludes that this is necessary.
3. Revise the EPA Reg. No. to read "EPA Reg.No. 7969-107" and submit two (2) copies of your final printed labeling before you release the product for shipment.
4. Under Environmental Hazards, insert "For terrestrial uses," at the beginning of the first sentence.

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.

☐ ATTACHMENT IS APPLICABLE

A stamped copy of the label is enclosed for your records.

SIGNATURE OF APPROVING OFFICIAL

/s/

DATE

December 10, 1993

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EPA Est. 065387-AR-002

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to supplemental labeling under "Agricultural Use Requirements" in the Directions For Use section for information about this standard.

WARNING

May be fatal if swallowed. Do not breathe dust or spray mist. Do not get in eyes, on skin, or on clothing.

If swallowed: Contact a physician or Poison Control Center. Do not induce vomiting or give anything by mouth to an unconscious person.

If on skin: Wash thoroughly with plenty of soap and water. Remove contaminated clothing and footwear before reentry. Get medical attention if irritation occurs.

the system in the early 1980s, and the possibility of a future global environmental convention.

1. The Commission is composed of the following members:

1. Add 100 grams of 100% PVA (polyvinyl alcohol) to the mixing tank. If 100% PVA bags are not used, carefully tear open the roll bag. Each roll bag contains four inner (PVA) bags. Each inner bag contains 11.5 grams of formulated product, equivalent to one quart of a 2% (liquid) PIX Plant Repellent.

NOTES AND REFERENCES

1994

✓ 08-06-1972, RAINIER PARK, NORTH SLOPE 2770-352

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Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- long-sleeved shirt and long pants
- waterproof gloves and shoes plus socks

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.

Engineering Control Statements

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.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a 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 specified area during application.

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

ACCEPTED
with COMMENTS
In EPA Letter Dated:

MAR 10 1994

Under the Federal Insecticide
Fungicide and Rodenticide Act
as amended by the pesticide
reform act of 1992, EPA Reg. No.

7949-107

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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 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, waterproof gloves, and shoes plus socks.

IN CASE OF EMERGENCY

In case of large-scale spillage regarding this product, call:

CHEMTREC 800-424-9300

BASF CORPORATION . 800-832-HELP

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In case of medical emergency regarding this product, call:

1. Your local doctor for immediate treatment.
2. Your local poison control center (hospital).
3. BASF CORPORATION. . 800-832-HELP

STORAGE AND DISPOSAL

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

Pesticide Disposal: Pesticide wastes are toxic. 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 Disposal: Dispose of packaging 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

Pix® DF plant regulator is a foliar applied plant regulator which modifies the cotton plant in several beneficial ways. It is the only such compound which allows the grower to manage the cotton plant for short-season production leading to reduced risk of yield and quality loss due to delayed and prolonged harvest. The use of Pix DF will also result in several or all of the following: height reduction and more open canopy; better early boll retention and/or larger bolls; less boll rot; improved defoliation; reduced trash and lower ginning costs; better harvest efficiency; and darker green leaf color. Most of these effects often favorably influence the yield potential of the cotton plant.

On both short-staple and Pima cotton, the grower has the option of single, dual, or up to four low-rate multiple applications, which greatly facilitates his management flexibility. One of the major factors affecting cotton growth and development is soil moisture. If significant drought stress occurs when Pix DF is applied, or occurs after a full rate (1 bag/2 acres to 1 bag/4 acres) is applied, results may not be optimal. The low-rate multiple option gives the producer the ability to discontinue usage of Pix DF if any significant stresses occur after an earlier application; in such a case, the total quantity of Pix DF used over a season may be reduced. If stress is relieved, the grower has the option of continuing treatments with Pix DF. In addition, the rate range indicated allows the grower to tailor his usage of Pix DF to the degree of vegetative vigor in a given field. In areas where insecticides/miticides or foliar fertilizers are frequently applied, the timings are such that tank-mixing is often possible. (See Restrictions and limitations) Fields should be carefully scouted and Pix DF should not be applied if plants are under severe stress from weather factors, mite, insect or nematode damage, disease stress, herbicide injury, or fertility stress. In the absence of these stresses, up to four low-rate multiple applications could be made each season, generally using 1 bag/8 acres to 1 bag/16 acres each time. After the first application (at matchhead square in the absence of stress), the rate and timing of subsequent application(s) will depend on vegetative vigor; under good growing conditions, additional treatments (1 bag/8 acres to 1 bag/16 acres) should be made at 7-14 day intervals. However, if new growth at any time is excessive, higher rates of Pix DF (1 bag/4 acres to 1 bag/8 acres) can be used. If significant loss of squares and/or young bolls has occurred earlier due to insect pressure or other stresses, but now these stresses have been alleviated, the need for Pix DF is increased - excess vegetative growth is likely because of poor fruit load. Total use per season can not exceed 1 bag/1-1/3 acres or 3 bags/4 acres.

1 pt - 1/2 pt

1/2 pt - 1/4 pt

1/2 pt - 1/4

1 1/2 pt

Weight Bag x 35% = wt of a.i. in bag

5
0.35
25
15
1.55

wt. a.i. x 3/4

ac per bag wt a.i. / acre

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SPRAY VOLUME

Water as Diluent

Ground and aerial application:

When applying Pix DF with ground equipment, in all states but California, use a minimum of 2 gallons of water per acre; in California, use a minimum of 5 gallons per acre. For aerial application in all states but California, use a minimum of 2 gallons of water per acre; in California, use a minimum of 5 gallons per acre. Regardless of method or gallonage of application, thorough coverage of the cotton foliage is required.

RAIN-SAFE AND COMPATIBILITY

Rain-safe period:

If rain is expected within 8 hours, use a high quality EPA-exempt surfactant to make PIX DF rain-safe after 4 hours.

Compatibility:

Pix DF is readily soluble in water. Once dissolved, it is compatible with most insecticides and miticides. If in doubt, test compatibility by adding a teaspoon of the insecticide or miticide to a pint of ready-to-use spray solution of Pix DF. You may combine Pix DF with foliar fertilizers if your prior experience has shown the original liquid formulation of Pix to be compatible and noninjurious under your conditions. Always add Pix DF to water and allow to dissolve *before* adding other pesticides or fertilizers.

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RESTRICTIONS AND LIMITATIONS

Significant insect or mite damage after application(s) of Pix DF is likely to eliminate or greatly reduce the benefits derived from Pix DF.

Do not apply a single application of 1 bag/2 acre to 1 bag/4 acres of Pix DF to cotton that is drought stressed; i.e., stressed due to lack of soil moisture. If using the low-rate multiple option, discontinue use until the moisture stress is alleviated.

Do not apply more than 3 PVA bags of Pix DF per 4 acres per season.

Do not apply Pix DF within 30 days of harvest.

Do not graze or feed cotton forage to livestock.

Do not tank mix with other products other than those mentioned under Compatibility.

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

TIME AND RATE OF APPLICATION: SHORT-STAPLE AND LONG-STAPLE (PIMA) COTTON

The times and rates of application have been carefully researched and the Directions for use should be observed as specified below.

Single or Dual Applications

STATE	DIRECTIONS FOR USE	RATE/ACRE
AL, AR, AZ, CA, FL, GA, LA, MO, MS, NM, NC, SC, TN, VA	First application: Apply when cotton is actively growing and is between 20" and 30" tall, provided cotton is not more than 7 days beyond early bloom stage (5-6 blooms per 25 row feet). If cotton is 24" tall and has no blooms, apply Pix DF. Use 1 bag/4 acres on cotton where excessive vegetative growth is not likely to be a problem, and 1 bag/2 acres in areas tending to have excessive vegetative growth. See Restrictions and limitations.	1 PVA bag/4 acres to 1 bag/2 acres
	Second application for control of excessive vegetative growth: If the cotton field has a history of vigorous growth, and/or conditions after the first application of Pix DF favor vigorous growth, apply a second application 2 to 4 weeks after the first application.	1 PVA bag/ 4 acres
OK, TX (except Rio Grande Valley)	Areas where excessive vegetative growth is not a problem First application: Apply when cotton is in early bloom stage (5-6 blooms per 25 row feet) and actively growing. If no blooms are present and the cotton is 20" tall and actively growing, apply Pix DF. See Restrictions and limitations.	1 PVA bag/ 4 acres
	Second application: If conditions after the first application of Pix DF favor vigorous growth, apply a second application 2-4 weeks after the first application.	1 PVA bag/ 4 acres
OK, TX	Areas where excessive vegetative growth is a problem First application: Apply when cotton is actively growing and between 20" and 30" tall, provided cotton is not more than 7 days beyond early bloom stage (5-6 blooms per 25 row feet). If cotton is 24" tall and has no blooms, apply Pix DF).	1 PVA bag/ 2 acres
	Second application for control of excessive vegetative growth If cotton field has a history of vigorous growth, and/or conditions after the first application of Pix DF favor vigorous growth, apply a second application 2-4 weeks after the first application.	1 PVA bag/ 4 acres

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LOW-RATE MULTIPLE APPLICATIONS

GEOGRAPHIC AREA (STATES)	TIME OF APPLICATION	AVG. HISTORICAL PIX (4.2%) USE RATE = 1/2 PINT/A (OR NEW USERS OF PIX DF)	AVG. HISTORICAL PIX (4.2%) USE RATE = 1 PINT/A (OR FULLY IRRIGATED)
AL, AR, AZ, CA, FL, GA, LA, MO, MS, NC, NM, OK, SC, TN, TX, VA	First application: Optimal results will be achieved when plants are in the matchhead square* stage of growth.	1 PVA bag/16 acres	1 PVA bag/8 acres
	Second application: 7-14 days later, or when regrowth occurs.	1 PVA bag/16 acres to 1 PVA bag/8 acres	1 PVA bag/8 acres to 1 PVA bag/4 acres
	Third application: 7-14 days later, or when regrowth occurs.	1 PVA bag/16 acres to 1 PVA bag/8 acres	1 PVA bag/8 acres to 1 PVA bag/4 acres
	Fourth application: 7-14 days later, or when regrowth occurs.	1 PVA bag/16 acres to 1 PVA bag/8 acres	1 PVA bag/8 acres to 1 PVA bag/4 acres

* matchhead square is when the first square of a typical cotton plant is 1/8 - 1/4" in diameter. The first application should go on when 50% of the plants have one or more matchhead squares.

CONVERSION CHART - PIX DF TO ORIGINAL 4.2% PIX	
AMOUNT OF PIX DF	AMOUNT OF PIX (4.2%)
1 PVA bag/16 acres	1/8 pint (2 oz)/acre
1 PVA bag/8 acres	1/4 pint (4 oz)/acre
1 PVA bag/4 acres	1/2 pint (8 oz)/acre
1 PVA bag/2 acres	1 pint (16 oz)/acre
1 PVA bag/1.34 acres	1 1/2 pint (24 oz)/acre

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CONDITIONS OF SALE AND WARRANTY

The Directions for Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of BASF CORPORATION ("BASF") or the Seller. All such risks shall be assumed by the Buyer. BASF warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for use, subject to the inherent risks referred to above. **BASF MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. IN NO CASE SHALL BASF OR THE SELLER BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.** BASF and the Seller offer this product, and the Buyer and User accept it, subject to the foregoing Conditions of Sale and Warranty which may be varied only by agreement in writing signed by a duly authorized representative of BASF.

ADDITIONAL INFORMATION

For additional information concerning this label and the use of Pix DF, call BASF's COMMSERV® Communications Service at 1-800-367-8896.

Pix is a registered trademark of BASF AG.
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ACCEPTED
with COMMENTS
In EPA Letter Dated:

MAR 10 1994

The Federal Insecticide
and Fungicide Act
and the pesticide
labeling EPA Reg. No.

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