

BASF

PM 23

7969-76

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ACCEPTED

MAR 19 1998

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 7969-76

Conclude[®] XTRA B herbicide

Postemergence Herbicide

For broad spectrum weed control in soybeans

A soluble liquid formulation containing:

Active Ingredients:

Sodium salt of bentazon: sodium (3-isopropyl-1H-2,1,3-benzothiadiazin-4(3H)-one-2,2-dioxide).....29.2%

Sodium salt of acifluorfen: sodium 5-[2-chloro-4-(trifluoromethyl)phenoxy]-2-nitrobenzoate13.4%

Inert Ingredients57.4%

Total100.0%

*Equivalent to 2.67 pounds per gallon bentazon: 3-isopropyl-1H-2,1,3-benzothiadiazin-4(3H)-one 2,2-dioxide; and 1.33 pounds per gallon of sodium acifluorfen, sodium 5-[2-chloro-4-(trifluoromethyl)phenoxy]-2-nitrobenzoate.

EPA Reg. No. 7969-76

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 this label, find someone to explain it to you in detail).

STATEMENT OF PRACTICAL TREATMENT

If in eyes: Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention.

If on skin: Wash with plenty of soap and water. Get medical attention.

If swallowed: Call a doctor or get medical attention. Do not induce vomiting or give anything by mouth to an unconscious person. Drink promptly a large quantity of milk, egg whites, gelatin solution, or, if these are not available, drink large quantities of water. Avoid alcohol.

Note to physician: Probable mucosal damage may contraindicate the use of gastric lavage.

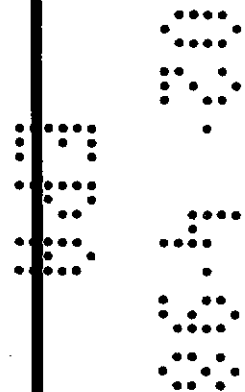
See inside booklet for complete **Precautionary Statements, Directions For Use, and Conditions of Sale and Warranty.**

Agricultural Use Requirements

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** for information about this standard.

Net contents: 60 gallons, 0.9375 gallons

BASF Corporation
P.O. Box 13528, Research Triangle Park, NC, 27709



**Precautionary Statement
Hazards to Humans and
Domestic Animals**

DANGER

Corrosive. Causes irreversible eye damage. Do not get in eyes or on clothing. Avoid contact with skin. Harmful if swallowed or absorbed through skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- 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 re-use them.

Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering Controls Statement

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

**User Safety Recommendations
Users should:**

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- 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

For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash waters. Do not apply when weather conditions favor drift from target area.

Groundwater Advisory

Bentazon and acifluorfen are present in this product. These chemicals are known to leach through soil into groundwater under certain conditions as a result of agricultural use. Use of this product in areas where soils are permeable, such as sand and soils with loamy sand textures, particularly where water tables are shallow could result in contamination of groundwater. The utilization of irrigated water in these areas will increase the likelihood of contamination.

Tank Mix of Conclude® Xtra B and Conclude® Xtra G herbicides (Hereafter referred to as Conclude® Xtra.)

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

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 48 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 over short-sleeved shirt and short pants
- Chemical-resistant gloves, such as barrier laminate or viton \geq 14 mils
- Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure

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be in the area during application. For any requirement specific to your State or Tribe, consult the agency responsible for pesticide regulation.

Storage and Disposal

Keep pesticide in original container. Do not put concentrate or dilute into food or drink containers. Store in a cool, dry place. Keep from freezing. Do not store diluted spray. Store above 32° F.

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

Pesticide wastes are acutely 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 Disposal:

Return **Prodigy™ System** to BASF for cleaning and refilling.

For **Duplex™ II System**, triple rinse container (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.

In Case of Emergency

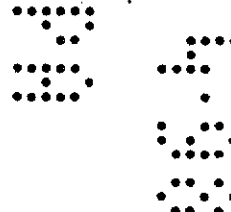
In case of large-scale spillage regarding this product, call:
CHEMTREC 800-424-9300
BASF Corporation 800-832-HELP

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.

Steps to be taken in case material is released or spilled:

Dike and contain spill with inert material (sand, earth, etc.) and transfer liquid and solid diking material to separate containers for disposal. Remove contaminated clothing and wash affected skin areas with water. Wash clothing before re-use. Keep spill out of all sewers and open bodies of water.



General Information

Conclude® Xtra is intended for the early postemergence control of a wide spectrum of broadleaf weeds and annual grasses in soybeans (See **Table 1**).

Mode of Action:

Conclude Xtra is effective through postemergence contact and systemic activity. Weeds must be thoroughly covered with spray. Large crop-and-weed-leaf canopies shelter smaller weeds and prevent adequate spray coverage.

Crop Tolerance:

All soybean varieties are tolerant to **Conclude Xtra** at all stages of growth. Leaf speckling may occur but plants generally outgrow this condition within 10 days.

Cultivation:

Do not cultivate before or during application or within five days after application of **Conclude Xtra**. Cultivation may put weeds under stress and reduce control obtained. A timely cultivation 5-7 days after applying **Conclude Xtra** may assist weed control in soybeans grown in rows more than 10 inches apart.

Duplex™ II System

Conclude Xtra is provided in a molded jug pack that contains enough **Conclude Xtra** to treat 5 acres.

Mixing

Fill tank of a thoroughly clean sprayer half to two-thirds full with clean water. Start agitation and add the recommended amounts of product in the following order: **Conclude Xtra B**, oil concentrate, and **Conclude Xtra G**. Then add the remaining quantity of water. Do not attempt to pour the contents of the **Duplex** container system (**Conclude Xtra**) into the tank simultaneously or poor mixing will result. Maintain constant agitation during application.

Prodigy™ System

Conclude Xtra is supplied in the **Prodigy System**, a unique, mini-bulk closed delivery system. It consists of a self-discharging tank that does not require any pumping mechanism and has a dry lock connector that protects the user from exposure to tank contents (the **Prodigy System** contains enough **Conclude Xtra** to treat 320 acres).

Do not refill Prodigy System.

Return **Prodigy System** to BASF for cleaning and refilling.

Conclude Xtra in a dedicated, returnable **Prodigy System** can only be used with the closed **Prodigy System** in which it comes packaged.

See **Prodigy System Operating Procedure** below.

Prodigy System Operating Procedure

Attention! The **Prodigy System** is a pressurized delivery system.

Do not attempt to open the container. Transfer product only by following these steps:

- 1) Install a male dry lock connector to the spray tank.
- 2) Uncoil the hose from the rack and connect the female dry lock connector (at the end of the hose attached to the tank) with the male dry lock connector installed on the spray tank.
- 3) Turn on the nitrogen gas supply.
- 4) Push down on the silver horizontal handle in front of the meter until both sides are locked in the lower position allowing the manifold to fill with pressure and product.
- 5) Set measuring meter to zero.
- 6) Turn the yellow manifold handle counter clockwise (to horizontal) until the desired amount of product, as indicated on the measuring meter, has been discharged into the spray tank.
- 7) Turn the yellow manifold handle clockwise (to vertical) to stop the discharge of product into the sprayer tank.
- 8) Lift the silver handle to the unlocked position in front of the meter to stop liquid and pressurization from flowing into the manifold.
- 9) Starting at the yellow handle on the **Prodigy Tank**, grasp the hose and walk toward the receiving tank holding the hose level or higher than the dry lock connection allowing all of the product to drain out of the hose.
- 10) Disconnect the female dry lock connector on the tank hose from the male dry lock connector on the spray tank.
- 11) Recoil the hose onto the hose rack.
- 12) Turn off the nitrogen gas supply when the **Prodigy System** operation is completed, the tank is empty, or tank is ready to be returned to the point of purchase.

Application Rate and Timing

Apply 24 ounces of **Conclude Xtra B** and 17 ounces of **Conclude Xtra G** per acre at early postemergence when weeds are small and actively growing (generally when soybeans are in the 2nd to 3rd trifoliate leaf stage of growth). Add the oil concentrate at a rate of 1 pint per acre. Maintain constant agitation during application. Under excessively dry, wet, or cold conditions, which may reduce herbicidal activity, add oil concentrate at the rate of 2 pints per acre.

Total Postemergence, One-pass Weed Control

For optimum results with **Conclude Xtra** in a total postemergence, one-pass weed control system for soybeans, the following recommendations should be followed:

- plant rows 15" wide or less
- eliminate all vegetative weed growth prior to soybean planting
- apply **Conclude Xtra** according to weed sizes stated on this label (about 21 days after soybean planting).

Rhizome Johnsongrass

Rhizome johnsongrass is best controlled when **Conclude Xtra** is followed by **Poast Plus®** herbicide when johnsongrass is 6-8 inches tall. The timing of **Conclude Xtra** should follow label directions for control of the annual grasses and broadleaf weeds. This timing will usually not be optimum for controlling rhizome johnsongrass, however, **Conclude Xtra** will provide effective control of the johnsongrass vegetation and some rhizomes.

The sequential application of **Poast Plus** (1.5 pints per acre) will control the newly emerging vegetation as well as deplete the rhizome reserves when the following products and rates are used:

Conclude Xtra G: 17 ounces and **Conclude Xtra B:** 24 ounces per acre based on the annual grass labeled directions.

Poast Plus: 1.5 pints per acre on 6-8" rhizome johnsongrass. Use 2 pints of oil concentrate per acre in each spray mix.

Yellow Nutsedge

At the optimum application time of **Conclude Xtra** for most pests, yellow nutsedge may not be at the correct growth stage for optimum control. The best nutsedge control will be achieved by applying **Conclude Xtra** and a sequential application of **Basagran** at 1.5-2.0 pints per acre.

Table 1. Maximum Weed Heights Controlled by Tank Mixing Conclude Xtra B (24 ounces per acre) and Conclude Xtra G (17 ounces per acre) with Crop Oil Concentrate (1 pint per acre)

Broadleaves ¹	Maximum Weed Height	Grasses ¹	Maximum Weed Height
Bristly Starbur	3"	Barnyardgrass	4"
Carpetweed	2"	Broadleaf Signalgrass	4"
Cocklebur	6"	Crabgrass, Large	4"
Common Lambsquarters ²	2"	Crabgrass, Smooth	4"
Common Ragweed	3"	Foxtail, Giant	4"
Crotolaria	6"	Foxtail, Green	4"
Croton, Tropic	<2"	Foxtail, Yellow	4"
Woolly	<2"	Goosegrass	4"
Eclipta	2"	Johnsongrass (seedling)	4"
Giant Ragweed	6"	Junglegrass	4"
Jimsonweed	6"	Panicum, Browntop	4"
Ladysthumb	6"	Panicum, Fall	4"
Morningglories	2"	Panicum, Texas	4"
Nightshade, Black	2"	Red Sprangletop	4"
Pigweed, Redroot	2"	Red Rice	2"
Smooth	3"	Shattercane	4"
Prickly Sida/Teaweed ²	2"	Volunteer Cereals	4"
Redweed	3"	Witchgrass	4"
Sesbania, Hemp	6"	Woolly Cupgrass	4"
Smartweed, Pennsylvania	4"		
Spurred Anoda ²	2"		
Texasweed	3"		
Velvetleaf ²	2"		
Venice Mallow	2"		
Wild Mustard	4"		
		Perennials: (top growth suppression)	Maximum Weed Height
		Johnsongrass (Rhizome)	Based on application timing of annual grasses
		Yellow Nutsedge	

¹ For new germination or perennial regrowth, follow up no sooner than 15 days later with **Basagran® herbicide, Poast Plus® herbicide, Storm® herbicide, or Blazer® herbicide**. Refer to the respective labels for **Directions For Use**.

² Control may be inconsistent. A later application of **Basagran** may be necessary. (See **Basagran** label.)

Ground Application

Use a minimum of 10-20 gallons of water per broadcast acre at a minimum of 40 psi pressure (measured at the boom, not at the pump or in the line) to ensure adequate spray coverage. Use standard high pressure pesticide hollow cone or flat fan nozzles spaced 18-20 inches apart. Do not use flood, whirl chamber, or controlled droplet applicator nozzles.

Aerial Application

Use a minimum of 5 gallons of water per acre and a maximum of 40 psi pressure. To obtain uniform coverage and to avoid drift hazards, the following application equipment and practices should be used:

Nozzle Type: Use only diaphragm-type nozzles producing cone or fan spray patterns.

Nozzle Height: 6-10 feet above crop.

Nozzle Orientation: Nozzles must be oriented so as to discharge straight back with the air stream (opposite the direction of travel of the aircraft) and not more than 20° downwind.

Nozzles must be located no farther out than 3/4 the distance from the center of the aircraft to the end of the wing or rotor.

Do not apply **Conclude® Xtra** by aircraft when wind is blowing at a velocity above 10 mph. Coarse sprays (larger droplets) are less likely to drift.

Do not apply **Conclude Xtra** by air if ornamental or sensitive nontarget crops such as cotton, sugar beets sunflowers, or okra are within 200 feet downwind.

Grass crops such as corn, sorghum, wheat, rice, etc. are highly sensitive to **Conclude Xtra**. Applicator must follow the most restrictive use cautions to avoid drift hazard and must follow labeling as well as applicable state and local regulations and ordinances.

Procedure For Cleaning Spray Equipment

Clean sprayer thoroughly before and after application of **Conclude Xtra**, particularly if a herbicide with the potential to injure crops was previously used.

Consult the label of the previously used herbicide for cleaning instructions. If no instructions are available, the steps listed below are suggested for thorough cleaning of spray equipment prior to or following application of **Conclude Xtra**.

Step 1: Hose down thoroughly the inside as well as the outside of equipment while filling the spray tank half full of water.

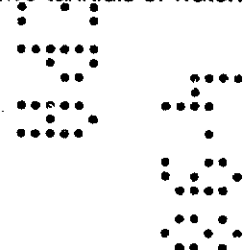
Flush by operating sprayer until the system is purged of this rinse water.

Step 2: Refill tank with water while adding 1 gallon household ammonia or 1 pint household dishwashing detergent or 1 pound of dishwasher detergent per 100 gallons of water. Or add a commercial sprayer cleaner according to the manufacturer's directions.

Operate the pump to circulate the detergent solution through the sprayer system for 5-10 minutes and discharge a small amount of solution through the boom and nozzles. Let the solution stand for 24 hours.

Step 3: Flush the detergent solution out of the spray tank through the boom.

Step 4: Remove the nozzles and screens and flush the system with two tankfuls of water.



Restrictions and Limitations

Always read and follow all label directions when using any pesticide alone or in tank mix combinations. The most restrictive label applies when using tank mixes. Only one application of **Conclude® Xtra** per acre per season should be made.

Do not apply to weeds under stress, such as stress due to lack of moisture, previous herbicide injury, mechanical injury or cold temperatures, as unsatisfactory weed control could result.

Do not apply if rainfall or overhead irrigation is expected soon after application.

Physical incompatibility, reduced weed control, or crop injury may result from mixing **Conclude Xtra** with other pesticides (fungicides, herbicides, insecticides or miticides) additives or fertilizers not recommended on the label. BASF does not recommend the use of **Conclude Xtra** in tank mixes other than those listed on BASF labels, supplemental labels, or technical bulletins. Local agricultural authorities may be a source of information when using other than BASF recommended combinations.

Do not apply **Conclude Xtra** to soybeans that show injury, leaf phytotoxicity, and/or plant stunting caused by any other prior herbicide applications because this injury may be enhanced or prolonged.

Do not apply **Conclude Xtra** through any type of irrigation system.

Do not apply to soybeans within 60 days of harvest.

Do not use treated plants for feed or forage.

Avoid drift to all other crops and non-target areas.

This product cannot be used to formulate or reformulate any other pesticide product.

In case of crop failure, only soybeans may be immediately replanted.

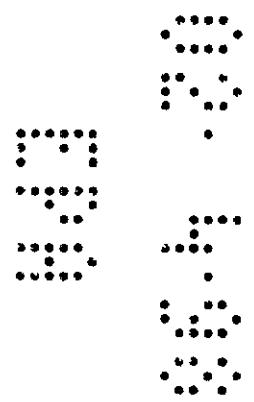
Crop rotation restriction: Root crops (such as carrots, turnips, sweet potatoes, etc.) must not be planted in field treated with **Conclude Xtra** for 18 months following treatment.

After application of **Conclude Xtra**, do not apply more than 1.5 pounds a.i. of bentazon per acre, per season; or 0.25 pounds a.i. of sodium acifluorfen per acre, per season.

Do not apply sequential applications of **Blazer®, Basagran®, or Poast Plus® herbicides** within 15 days following the application of **Conclude Xtra**.

After application of **Conclude Xtra**, do not apply more than 0.375 pounds of a.i. of clethodim per acre, per season.

Do not use selective application equipment such as recirculating sprayers, wiper applicators, or shielded applicators when applying **Conclude Xtra**.



The following are scientific names for the weeds listed in this label. For specific recommendations on control of these weeds refer to the **Application Rate Table**.

Broadleaf Weeds

Common Name	Scientific Name
Anoda, Spurred	<i>Anoda cristata</i>
Carpenterweed	<i>Mollugo verticillata</i>
Cocklebur	<i>Xanthium strumarium</i>
Crotalaria	<i>Crotalaria spectabilis</i>
Croton, Tropic	<i>Croton glandulosus</i>
, Woolly	<i>Croton capitatus</i>
Dayflower	<i>Commelina communis</i>
Ducksalad	<i>Heteranthera limosa</i>
Eclipta	<i>Eclipta alba</i>
Gooseweed	<i>Sphenoclea zeylandica</i>
Jimsonweed	<i>Datura stramonium</i>
Ladysthumb	<i>Polygonum persicaria</i>
Lambsquarters, Common	<i>Chenopodium album</i>
Mallow, Venice	<i>Hibiscus trionum</i>
Morningglory, Cypressvine	<i>Ipomoea quamoclit</i>
, Entireleaf	<i>Ipomoea hederacea, var. integruscula</i>
, Ivyleaf	<i>Ipomoea hederacea</i>
, Palmleaf	<i>Ipomoea wrightii</i>
, Pitted	<i>Ipomoea lacunosa</i>
, Purple Moonflower	<i>Ipomoea muricata</i>
, Smallflower	<i>Jacquemontia tamnifolia</i>
, Tall (common)	<i>Ipomoea purpurea</i>
Mustard, Wild	<i>Sinapis arvensis</i>
Nightshade, Black	<i>Solanum nigrum</i>
Pigweed, Redroot	<i>Amaranthus retroflexus</i>
, Smooth	<i>Amaranthus hybridus</i>
Ragweed, Common	<i>Ambrosia artemisiifolia</i>
, Giant	<i>Ambrosia trifida</i>
Redstem	<i>Ammannia spp.</i>
Redweed	<i>Melochia corchorifolia</i>
Sesbania, Hemp	<i>Sesbania exaltata</i>
Sida, Prickly, (Teaweed)	<i>Sida spinosa</i>
Smartweed, Pennsylvania	<i>Polygonum pennsylvanicum</i>
Spikerush	<i>Eleocharis macrostachya</i>
Starbur, Bristly	<i>Acanthospermum hispidum</i>
Texasweed	<i>Caperonia palustris</i>
Velvetleaf	<i>Abutilon theophrasti</i>
Waterhemp, Tall	<i>Amaranthus tuberculatus</i>
Yellow Nutsedge	<i>Cyperus esculentus</i>

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.

Blazer, Conclude, Poast Plus, and Storm and are registered trademarks of BASF Corporation.
Basagran is a registered trademark of BASF AG.
Prodigy and Duplex are trademarks of BASF Corporation.
 The *Prodigy tank and manifold* are covered by U.S. Patent 5,465,874 and other pending patent applications.

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