

Laddok® herbicide

January 9, 1992

POSTEMERGENCE FLOWABLE HERBICIDE

For Selective Postemergence Broadleaf Weed Control in Field Corn, Seed Corn, Silage Corn, Sweet Corn and Popcorn; and in Sorghum.

RESTRICTED USE PESTICIDE

FOR RETAIL SALE TO AND USE ONLY BY CERTIFIED APPLICATORS OR PERSONS UNDER THEIR DIRECT SUPERVISION, AND ONLY FOR THOSE USES COVERED BY THE CERTIFIED APPLICATOR'S CERTIFICATION.

THIS PRODUCT IS A RESTRICTED USE HERBICIDE DUE TO GROUNDWATER CONCERNS. USERS MUST READ AND FOLLOW ALL PRECAUTIONARY STATEMENTS AND INSTRUCTIONS FOR USE IN ORDER TO MINIMIZE POTENTIAL FOR ATRAZINE TO REACH GROUNDWATER.

Active Ingredients:

Sodium salt of bentazon* (3-(isopropyl)-1H-2,1,3-benzothiadiazin-4(3H)-one, 2,2-dioxide .....	19.0%
Atrazine* (2-chloro-4-ethylamino-6-isopropylamino-s-triazine).....	17.5%

Inert Ingredients ..... 63.5%

Total ..... 100%

\*Equivalent to 1.66 pounds per gallon each of bentazon and atrazine.

EPA REGISTRATION NO. 7969-54

KEEP OUT OF REACH OF CHILDREN

DANGER/PELIGRO

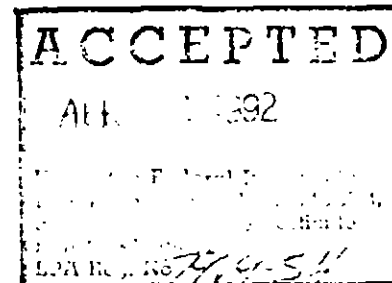
PRECAUCION AL USUARIO; Si usted no lee ingles, no use este producto hasta que la eti queta haya sido explicada ampliamente.

Corrosive. Causes eye damage and skin irritation. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves when handling. Harmful if swallowed.

If in eyes, immediately flush eyes with plenty of water. Get medical attention. If on skin, immediately flush skin with plenty of water. Get medical attention if irritation persists.

SHAKE WELL BEFORE USING  
NET CONTENT - 2-1/2 Gallons

BASF Corporation, Research Triangle Park, NC 27709-3528  
Not Intended For Use in California



## ENVIRONMENTAL HAZARDS

Atrazine, which is present in this product, can travel (seep or leach) through soil and can enter groundwater which may be used as drinking water. Atrazine has been found in groundwater. Users are advised not to apply LADDOK to sand and loamy sand soils where the water table (groundwater) is close to the surface and where these soils are very permeable, i.e., well-drained. Your local agricultural agencies can provide further information on the type of soil in your area and the location of groundwater.

This pesticide is toxic to aquatic invertebrates. Do not apply directly to water or wetlands. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from treated areas. Runoff and drift from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water by cleaning of equipment or disposal of wastes.

## Reentry and Workers' Protection Statements

Users are required to wear long-sleeve shirts and long pants or equivalent, chemical resistant gloves, and boots (waterproofed). In addition, persons involved in mixing/loading operations are required to use chemical resistant rubber or neoprene gloves and a face shield or goggles.

Do not apply this product in such a manner as to directly or through drift, expose workers or other persons. The area being treated must be vacated by unprotected persons. Do not enter treated areas without protective clothing until sprays have dried. Because certain states may require more restrictive re-entry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

## DIRECTIONS FOR USE

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

## GENERAL INFORMATION

Laddok® herbicide is intended for the postemergence control of a broad spectrum of broadleaf weeds. LADDOK does not control grasses. LADDOK is effective mainly through contact action; therefore, weeds must be thoroughly covered with spray. Large crop-and-weed-leaf canopies shelter smaller weeds and prevent adequate spray coverage.

Corn and sorghum are tolerant to LADDOK at all stages of growth. Very slight leaf speckling of corn or sorghum may occur but plants generally outgrow this condition within 10 days.

Corn types included are field, sweet and popcorn; and corn grown for seed or silage. Sorghum types include grain and forage. Always add UAN solution, oil concentrate, or Dash® spray adjuvant according to the section entitled "Additive Information."

**TIMING OF APPLICATIONS**

Apply LADDOK early postemergence when weeds are small and actively growing and before weeds reach the maximum size listed in the Application Rate Table for Corn and Sorghum. Such applications generally correspond to the crop growth stages of one to seven leaves.

Early application to weeds produces the most beneficial effect on weed control, allows use of the lower rate (depending on weed species), and makes it easier to obtain thorough spray coverage. Delay in application which permits weeds to exceed the maximum size stated will result in inadequate control.

Do not cultivate within 5 days before or after application of LADDOK in the following states: AZ, DE, CT, ID, IL, IN, IA, KS, KY, ME, MA, MI, MN, MO, MT, NE, NV, NH, NJ, NY, ND, OH, OR, PA, RI, SD, UT, WA, WV, WI, WY. A cultivation 5 or more days after application may be necessary if all weeds are not controlled or if a second flush of weeds occurs.

**WATER VOLUME AND SPRAY PRESSURE**

Apply recommended rates of LADDOK as follows:

Ground equipment: Use a minimum of 20 gallons of water per broadcast acre and a minimum of 40 psi pressure (measured at the boom, not at the pump or in the line). When crop and weed foliage is dense use up to 50 gallons of water and up to 80 psi pressure. Use standard high pressure pesticide hollow cone or flat fan nozzles spaced 20 inches apart. Do not use flood or whirl chamber nozzles.

Air equipment: Use a minimum of 5 gallons of water per acre and a maximum of 40 psi pressure. Use only diaphragm-type nozzles producing cone or fan spray patterns.

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## AERIAL APPLICATION-SPECIAL DIRECTIONS

To obtain uniform coverage and to avoid drift hazards, the following application equipment and practices should be used:

Nozzle height: Maximum of 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) or at some angle between straight back and straight down.

Nozzles must be located no farther out than three-fourths the distance from the center of the aircraft to the end of the wing or rotor.

Water volume and spray pressure: See Air equipment.

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

Do not apply LADDOK by air within 200 feet upwind of ornamental or sensitive nontarget crops such as soybeans, peanuts, cotton, sugarbeets, sunflowers or okra.

Applicator must follow the most restrictive use cautions to avoid drift hazards, including those found in this labeling as well as applicable state and local regulations and ordinances.

### SPECIAL INFORMATION FOR IRRIGATED AREAS

In irrigated areas, it may be necessary to irrigate prior to treatment with LADDOK to ensure weeds are growing actively. Weeds growing under drought conditions usually are not satisfactorily controlled.

### ADDITIVE INFORMATION

#### Nitrogen Solution:

UAN (Urea ammonium nitrate) solution or AMS (ammonium sulfate) may be added to LADDOK for improved control of velvetleaf. Improved control of cocklebur, wild sunflower, Pennsylvania smartweed, venice mallow and wild mustard may also be attained. Either nitrogen solution (UAN or AMS) should be added to LADDOK when velvetleaf is the primary target weed; however, oil concentrate should also be added when common lambsquarters or common ragweed is present. Consult the Application Rate Table for Corn and Sorghum for specific use recommendations.

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UAN solution, commonly referred to as 28%, 30%, or 32% nitrogen solution, is an agricultural grade fertilizer. Use only a high quality UAN solution suitable for application with herbicides.

AMS is a dry granular nitrogen source fertilizer. Several grades of AMS are currently available, however, only fine feed grade or spray grade AMS is recommended as an additive. Inferior grades of AMS do not dissolve adequately leading to plugging of spray nozzles. The use of AMS requires some preparation in mixing with LADDOK as compared to UAN. See section entitled Mixing/Spraying for AMS. Three quarts of liquid AMS (8-0-0 analysis) may be substituted for 2.5 pounds of granular AMS.

With the addition of a nitrogen solution to LADDOK on corn or sorghum, a slight leaf tip burn or yellowing and speckling may occur. New growth is normal and vigor is not reduced. Do not use brass or aluminum nozzles when spraying LADDOK with a nitrogen solution.

#### Rate of UAN Solution

Ground application - 5% v/v (concentration); (1 gallon per acre maximum)

Air application -(1/2 gallon per acre maximum) - 2-1/2% v/v (concentration);

#### RATE OF AMS:

GROUND APPLICATION: 2.5 lbs per acre

AIR APPLICATION: AMS is not recommended due to potential precipitation problems in reduced water volumes. AMS can be used provided a minimum of 10 gpa of solution is applied. Use only if the source of AMS has been demonstrated to be successful in local experience.

#### Oil Concentrate or DASH:

If a nitrogen solution is not used, a nonphytotoxic oil concentrate (commonly referred to as oil concentrate) or DASH should be added to the spray tank. Use oil concentrate if Canada thistle, yellow nutsedge or field bindweed are to be controlled. The oil concentrate must contain either a petroleum or vegetable oil base and must meet the following criteria: 1) be nonphytotoxic, 2) contain only EPA-exempt ingredients, 3) provide good mixing quality in the jar test (see below), and 4) be successful in local experience.

The exact composition of suitable oil products will vary; however, vegetable and petroleum oil concentrates should contain emulsifiers which provide good mixing quality. For vegetable oil concentrates, it has been observed that highly refined vegetable

oils are more satisfactory than unrefined vegetable oils. For additional information see "Jar Test for Estimating Suitability of Mixes" at the end of this section.

Rate of Oil Concentrate or Dash:

Ground application: 1.25% v/v concentration (2 pints/acre maximum)

Air application - 0.625% v/v (concentration), (1 pint/acre maximum)

Jar Test for Estimating Suitability of Mixes:

1. Water supply: Use only water from intended source and at the source temperature
2. Amount of water in jar:
  - Ground Application - For 20 gals./A spray volume use 3-1/2 cups (800 ml) of water.
  - Air Application - For 5 gals./A spray volume use 5/6 cup (200 ml) of water, or
  - For 10 gals./A spray volume use 1-2/3 cups (400 ml) of water.

For other spray volumes, adjust proportionately to above.
3. Amount of herbicide and oil concentrate (or Dash) or UAN solution to add: Add herbicide and oil concentrate or UAN solution at the rate of 1 teaspoon (5 ml) for each pint of recommended label rate.
4. Add components in following sequence, gently mixing between component additions:
  1. - Nitrogen solution (if used)
  2. - LADDOK
  3. - Other products (if used)
  4. - Oil concentrate or Dash (if used)
5. Cap jar, invert 10 cycles, let stand for 15 minutes, evaluate.
6. Evaluation: An ideal tank mix combination will be uniform; thus, the suitability of the oil concentrate is questionable if any of the following are observed:
  - Free oil at the surface - film or globules.
  - Flocculation - Fine particles which may be suspended in the liquid or found as a precipitated layer at the bottom of the jar.
  - Clabbering - Thickening texture (coagulated) resembling yogurt or a curd-like texture as with cottage cheese.

Table 1:

## APPLICATION RATE TABLE FOR CORN AND SORGHUM

Weeds Controlled	APPLICATION RATES FOR LADDOK					
	2 Pints/A*		2-1/2 Pints/A*		3-1/2 Pints/A*	
	Leaf Stage	Max. Height	Leaf Stage	Max. Height	Leaf Stage	Max. Height
Beggarticks	--	--	--	--	Up to 6	6"
Bristly Starbur	--	--	--	--	Up to 4	2"
Black Nightshade	--	--	2-4	1"	2-4	1"
Burcucumber	--	--	--	--	3	3"
Cocklebur	2-4**	3"	2-10**	8"	2-10**	8"
Common Groundsel	--	--	Up to 4	2"	Up to 6	4"
Common Lambsquarters	2-6	2"	Up to 8	5"	8-12	8"
Common Ragweed	--	--	Up to 4	4"	4-7	5"
Dayflower	--	--	--	--	Up to 6	4"
Devilsclaw	--	--	--	--	Up to 6	3"
Eastern Black Nightshade	--	--	2-4	1"	2-4	1"
Giant Ragweed	--	--	Up to 4	Up to 4	4-6	6"
Jimsonweed	2-4	3"	Up to 6	6"	6-10	8"
Kochia	--	--	--	4"	--	4"
Ladysthumb	2-6	4"	Up to 10	10"	10-14	12"
Morningglory, Annual	--	--	Up to 4	4"	4-6	6"
Pennsylvania Smartweed	2-6	4"	Up to 10	10"	10-14	12"
Prickly Sida or Teaweed	--	--	Up to 4	2"	Up to 6	3"
Redroot Pigweed	2-4	2"	Up to 10	6"	Up to 10	6"
Smallflower Morningglory	--	--	Up to 4	4"	4-6	6"
Smooth Pigweed	2-4	2"	Up to 10	6"	Up to 10	6"
Spurred Anoda	--	--	--	--	Up to 6	3"
Tall Waterhemp	--	--	Up to 8	2"	6-9	4"
Velvetleaf**	2-4	3"	Up to 8	8"	8-10	10"
Venice Mallow	--	--	Up to 8	4"	Up to 8	4"
Wild Buckwheat	--	--	Up to 4	3"	4-6	5"
Wild Mustard	--	--	Up to 6	4"	6-10	8"
Wild Sunflower	--	--	Up to 5	6"	4-6	8"
Triazine Resistant Weeds	See Special Directions Below					
Yellow Nutsedge	See Special Directions Below					
Canada Thistle	See Special Directions Below					
Field Bindweed	See Special Directions Below					
* Always add UAN solution or oil concentrate or DASH to LADDOK. See section Additive Information.						
** Do not treat earlier than leaf stage shown and do not count cotyledon leaves.						

Table 1

MIXING/SPRAYING

Fill tank of a thoroughly clean sprayer half to two-thirds full with clean water. Start agitation; add nitrogen solution then add LADDOK; allow to mix thoroughly. If used, add oil concentrate or DASH and remaining volume of water. Maintain constant agitation during application. Avoid allowing the mixture to stand overnight. Always clean sprayer thoroughly immediately after use by flushing the system with water and a strong detergent. Do not allow cleaning water to contaminate wells, streams or ponds.

Ammonium Sulfate (AMS)

AMS may be added in place of UAN to the spray solution. Use AMS at 2.5 lbs./A. Use only fine feed grade or spray grade AMS. Fill sprayer tank two-thirds full with clean water. Begin agitation, slowly add required amount of AMS to the tank. Adding too quickly may clog outlet lines. Allow AMS crystals to dissolve completely. Complete mixing procedures by addition of LADDOK and remaining water. Maintain agitation during application to ensure complete mixing. Rinse equipment after use to minimize corrosive activity of AMS.

To determine AMS quality, perform a jar test adding 1/3 cup of AMS to 1 gallon of water and agitate for 1 minute. If undissolved sediment is observed, predissolve AMS in water and filter prior to spray tank addition.

SPECIAL DIRECTIONS FOR OTHER WEED PROBLEMS

Postemergence application to corn and sorghum must be made before corn and sorghum reaches 12 inches in height.

CORN & SORGHUM

- Canada Thistle
- Yellow Nutsedge
- Field Bindweed

For suppression of these weeds, apply 3-1/2 pints of LADDOK per acre when Canada thistle plants are from 8-10 inches tall up to the bud stage, field bindweed vines are 8 to 10 inches long or yellow nutsedge is 1 to 4 inches tall. Add oil concentrate or Dash according to sections "Additive Information" and "Mixing/Spraying." For best results, cultivate 7 to 14 days after application.



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### Triazine-Resistant Weeds

Triazine-resistant biotypes of Amaranthus (pigweeds), common lambsquarters, and common groundsel can be controlled with 2-1/2 to 3-1/2 pints per acre of LADDOK. Apply according to weed sizes in the Application Rate Table (Table 1).

### Tank Mix of LADDOK plus Stinger for use in field corn.

Canada Thistle can be controlled by a tank mix of 2-1/2 to 3-1/2 pints/A of LADDOK plus 1/3 pint of Stinger® herbicide per acre. Apply when Canada thistle is at least 4 inches in diameter or height; when the majority of the basal leaves have emerged but before the bud stage.

Do not cultivate prior to application. Wait 14 to 20 days after application before cultivating. Refer to this label and the Stinger label for restrictions and limitations. The most restrictive labeling applies to tank mixes.

### Mixing with Insecticides

It is permissible to tank mix an insecticide with LADDOK if the proper application timing of the insecticide coincides with the application timing for LADDOK. Insecticides that may be used are Pounce®, Pydrin®, Furadan®4F, Asana®, dimethoate, malathion, and Lorsban™ 4E. The addition of an insecticide as a tank mix to LADDOK may increase the potential for crop injury. Consult the respective labels for directions for use and restrictions and limitations of each product. The most restrictive labeling applies in tank mixes.

Before a tank mix of LADDOK plus an insecticide is mixed, a jar test should be conducted following the directions in the section "Jar Test for Estimating Suitability of Mixes."

### TANK MIX OF LADDOK PLUS 2,4-D LVE FOR USE IN FIELD AND SILAGE CORN ONLY.

#### General Information

A tank mix of LADDOK and 2,4-D LVE (low volatile ester) may be applied for postemergence control of the following troublesome broadleaf weeds; velvetleaf, tall waterhemp, sunflower, and the perennial weeds, Canada thistle, swamp smartweed and field bindweed. The tank mix should be applied to actively growing weeds. Refer to this label and the 2,4-D LVE label to define weeds controlled and conditions of best control. The most restrictive labeling applies to tank mix.

Time and Rate of Application

A tank mix of LADDOK plus 2,4-D LVE should be applied after corn has fully emerged through the four-leaf stage of corn growth but before the fifth leaf is visible. Refer to the Recommended Rates for Postemergence Application of LADDOK plus 2,4-D LVE for use rates.

Table 2:

RECOMMENDED RATES FOR POSTEMERGENCE APPLICATION OF LADDOK PLUS 2,4-D LVE FOR BROADLEAF WEED CONTROL

Rate of LADDOK	2,4-D LVE rate*	
	4 lb./Gallon	6 lb./Gallon
2-1/2 pints/A	1/4 pint/A or 4 fluid oz./A	1/6 pint/A or 2.7 fluid oz./A

\*Refer to the Section Spray Additives.

Spray Additives

UAN solution (commonly referred to as 28%, 30% or 32% nitrogen solution) at 1 gallon per acre may be added to this tank mix to aid in the consistency of control of some broadleaf weeds such as velvetleaf. With the addition of UAN, a slight leaf tip burn or yellowing and speckling may occur. New growth is normal and vigor is not reduced.

Do not use brass or aluminum nozzles when UAN is used.

Do not use oil additives, surfactants or other additives not recommended by each respective label.

Water Volume and Spray Pressure

Use a minimum of 20 gallons of total spray mixture per acre (broadcast basis) and 40 psi pressure with standard flat fan nozzles spaced 20 inches apart. Use only ground equipment to apply this tank mix.

Mixing

Fill tank of a thoroughly clean sprayer half to two-thirds full with clean water. Start agitation of UAN solution (if used) then add LADDOK; allow to mix thoroughly. While the agitator is

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running add 2,4-D LVE (Refer to Jar test for estimating suitability of mixes), then add the remaining quantity of water.

Restrictions and Limitations for LADDOK plus 2,4-D (LVE) Tank Mix. (Partial List)

Refer to each respective label for restrictions and limitations. The most restrictive labeling applies to tank mixes.

For use in field and silage corn only.

Do not apply on sorghum, popcorn, sweet corn, or corn grown for seed.

Crop varieties vary in response to 2,4-D and some are injured. Apply this tank mix only to varieties known to be tolerant to 2,4-D.

Do not apply this treatment under cold, wet weather conditions or to corn growing under stress caused by weather, insects, disease, etc. Yellowing of the corn may result from this treatment, particularly if cold adverse growing conditions occur after application. Extended or extreme cold and wet conditions may reduce stands. Thoroughly clean sprayer immediately after spraying.

Tank Mix of LADDOK plus BLADEX 90DF herbicide for use in Field and Silage corn only

#### General Information

A LADDOK plus Bladex® herbicide tank mix may be applied postemergence to field and silage corn for control of major troublesome broadleaf weeds and small annual grasses, and to reduce the potential triazine carryover into rotational crops. The tank mix should be applied to actively growing weeds. Annual grasses controlled by a LADDOK plus BLADEX 90DF tank mix include; crabgrass, fall panicum, giant foxtail, goosegrass, green foxtail, stinkgrass (Indian lovegrass), witchgrass and yellow foxtail. Refer to Table 1 for broadleaf weed control. Refer to the label for BLADEX 90DF for defined conditions of best annual grass control. The most restrictive labeling applies to tank mixes.

#### Time and Rate of Application

A tank mix of LADDOK plus BLADEX 90DF should be applied after corn has fully emerged but before the fifth leaf is visible. Annual grasses must not exceed 1-1/2 inches in height for adequate control. Refer to Table 1 for rate and timing for broadleaf weed control. Use BLADEX 90DF at a rate of 1-2/3 lb/acre.

Table 3.

LADDOK plus BLADEX 90DF Tank Mix Rate for Use in Field and Silage Corn.

LADDOK	BLADEX 90DF
2 PTS/A	1-2/3 lb/A
2-1/2 pts/A	1-2/3 lb/A
3-1/2 pts/A	1-2/3 lb/A

Spray Additives

Under dry, arid conditions of low humidity and the absence of dew formation at night, add the recommended rate of a surfactant such as X-77 spreader, or an emulsifiable vegetable (EV) oil suitable for use on growing corn. Do not use petroleum-based crop oils. Addition of a surfactant or EV oil is not recommended under moist, rainy conditions and when dew forms at night because injury may occur.

Water Volume and Spray Pressure

Use a minimum of 20 gallons of total spray mixture per acre (broadcast basis) and 40-50 psi pressure with standard high pressure hollow cone or flat fan nozzles spaced 20 inches apart. Use only ground equipment to apply this tank mix.

Mixing

Fill the spray tank half full with water and add the recommended amount of LADDOK, BLADEX 90DF and additive, if used, while the agitator is running. Then add the remaining quantity of water.

Restrictions and Limitations for LADDOK plus BLADEX 90 DF Tank Mix. (Partial List)

Refer to each respective label for restrictions and limitations. The most restrictive labeling applies to tank mixes.

Do not use this tank mix on sand, loamy sand or sandy loam soils that have 1% or less organic matter.

Do not apply to corn if the fifth leaf is visible.

Do not apply this treatment under cold, wet weather conditions or to corn growing under stress caused by weather, insects, disease,

etc. Yellowing of the corn may result from this treatment, particularly if cold, adverse growing conditions occur after application. Extended or extreme cold and wet conditions may reduce stands.

Plant only corn, peanuts, sorghum, or soybeans the year following use of this mixture. Small grains may be planted 15 months after application and all other crops may be planted after 18 months.

Do not apply on sorghum, popcorn, sweet corn, or corn grown for seed.

Do not use liquid fertilizer as a carrier for this tank mix; use water only.

Do not apply this tank mix by aerial equipment.

RESTRICTIONS AND LIMITATIONS for LADDOK

Groundwater contamination may be reduced by diking and flooring of permanent liquid bulk storage sites with an impermeable material.

This product may not be mixed/loaded, or used within 50 feet of all wells including abandoned wells, drainage wells, and sink holes.

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

Postemergence application to corn and sorghum must be made before corn and sorghum reaches 12 inches in height.

The maximum application rate of atrazine for corn and sorghum is 3 lbs. a.i. per acre per calendar year.

Application rates to non-crop land for industrial weed control cannot exceed a maximum of 10 lbs. active ingredient per acre per calendar year.

Do not make more than one application of LADDOK per season.

Do not use LADDOK when crop is under stress from prolonged cold, wet weather, poor fertility, or other factors or when crop is wet and succulent from recent rainfall, as crop injury may occur.

Do not apply LADDOK if crop shows injury (leaf phytotoxicity and/or plant stunting) produced by any other prior herbicide applications, because this injury may be enhanced and/or prolonged.

Do not apply LADDOK during prolonged periods of drought or during unseasonable cold weather, as unsatisfactory weed control may result.

Seed producers should consult the seed company regarding tolerance of seed population inbred lines to LADDOK.

Do not apply to sorghum that is heading out or blooming.

Do not graze treated area of feed treated forage to livestock for 21 days following application.

Rainfall or overhead irrigation soon after application may reduce the effectiveness of LADDOK.

Do not mix or apply LADDOK with any other fertilizer except as specifically recommended on this labeling.

Do not plant sugar beets or sunflower the season following application.

Do not plant oats the season following the application of LADDOK in soil having a calcareous surface layer.

In the intermountain region of the United States, do not plant any other crop the year following the application of LADDOK except corn or sorghum.

**STORAGE AND DISPOSAL**

Store above 15° 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. 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: Avoid contact, isolate area and keep out animals and unprotected persons. Confine spill and call:

Chemtrec 800-424-9300  
BASF 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 800-832-HELP.

**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.

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BLADEX is a registered trademark of E.I. DuPont de Nemours & Co. Inc.

X-77 is a registered trademark of Chevron Chemical Company.

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APPENDIX - SCIENTIFIC NAMES

Beggarticks	Bidens frondosa
Black Nightshade	Solanum nigrum
Burcucumber	Sicyos angulatus
Bristly Starbur	Acanthosperum hispidum
Canada Thistle	Cirsium arvense
Cocklebur	Xanthium strumarium
Common Lambsquarters	Chenopodium album
Common Ragweed	Ambrosia artemisiifolia
Dayflower	Commelina spp.
Devilsclaw	Proboscidea louisianica
Eastern Black Nightshade	Solanum ptycanthum
Field Bindweed	Convolvulus arvensis
Giant Ragweed	Ambrosia trifida
Jimsonweed	Datura stramonium
Kochia	Kochia scoparia
Ladysthumb	Polygonum persicaria
Morningglory, Annual	Ipomea spp.
Pennsylvania Smartweed	Polygonum pensylvanicum
Prickly Sida or Teaweed	Sida spinosa
Redroot Pigweed	Amaranthus retroflexus
Smallflower Morningglory	Jacquemontia tamnifolia
Smooth Pigweed	Amaranthus hybridis
Spurred Anoda	Anoda cristata
Tall Waterhemp	Amaranthus tuberculatus
Velvetleaf	Abutilon theophrasti
Venice Mallow	Hibiscus trionum
Wild Buckwheat	Polygonum convolvulus
Wild Mustard	Sinapis arvensis
Wild Sunflower	Helianthus annuus
Yellow Nutsedge	Cyperus esculentus



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## NOTICE TO PURCHASERS OF LADDOK® HERBICIDE

LADDOK is a restricted use pesticide. It is a violation of federal law to use this product in a manner inconsistent with its labeling.

### CHANGE IN DIRECTIONS FOR USE

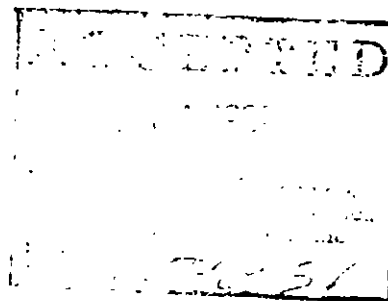
The Label enclosed with your Laddok® herbicide purchase contains incorrect information. Please make a note of and follow the correct information listed below.

Page 4

Special directions for other weed problems  
Postemergence application to corn and sorghum must be made before corn and sorghum reaches 12 inches in height.

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Restrictions and limitations 4th paragraph:  
Postemergence application to corn and sorghum must be made before corn and sorghum reaches 12 inches in height.



### REASON FOR CHANGE

BASF requested that the EPA modify the height restriction for application of LADDOK to corn and sorghum from 12 to 18 inches. On June 24, 1991 the EPA approved the requested change. The EPA has recently informed BASF that it inadvertently approved the change in height restriction and has requested that BASF delete this modification from the LADDOK label. BASF has voluntarily agreed to comply with this request.