Mr. Edward G. Jordan
BASF Corporation
P.O. Box 13528
Research Triangle Park, NC 27709

JAN 1 2 1994

Dear Mr. Jordan:

Subject: Minor Changes-Tank Mix with Atrazine

Laddok® Herbicide EPA Reg. No. 7969-54

Your submission dated Dec. 16, 1993

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable and a stamped copy is enclosed for your records.

We note that this labeling does not bear the required worker protection statements as outlined in PR Notices 93-7 and 93-11. We are aware that you have submitted labels in accordance with the instructions in those Notices. The new protective language in those submissions must be melded into this label for any shipments released after the deadlines that have been established. You may opt to do so immediately if you are electing the self-verification option, or after acceptance by the special Agency Worker Protection Standard review group (WSP). Finished printed labels should be submitted after acceptance by the WSP And in accordance with their instructions.

Sincerely yours,

Robert J. Taylor Product Manager 25 Fungicide-Herbicide Branch Registration Division (H7505C)

Enclosure

Laddok Rerbicide

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

(GROUND AND SURFACE WATER CONCERNS)

For retail sale to and use only by cartified 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 ground and surface water concerns. Users must read and follow all precautionary statements and instructions for use in order to minimize potential for atrazine to reach ground and surface water.

Active Ingredients:

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Sodium salt on 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:	
TOTAL 1	00.0%
*Equivalent to 1.66 pounds per gallon each of bentazon:	and atrazine

EPA Reg. No. 7969-54

EPA Est. No. 7969-WG-01

KEEP OUT OF REACH OF CHILDREN DANGER/PELIGRO

PRECAUCION AL USARIO; 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. May cause allergic skin response.

Shake Well Before Using

Net Contents 21/2 gallons

BASE Corporation
PO Box 13528, Research Triangle Park, NC 27709-3528

ACCULTIVE
with COMMENTS
in EFA Letter Dated:

Jul 12 1994

Under the Federal Incular
Fungicide, and the care
as amended, for
registered under 13
7 5 65-54

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 ne type of soil in your area and the location of groundwater.

This pesticide is toxic to aquatic invertebrates. For terrestrial uses, do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean highwater mark. 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 quatic organisms in neighboring areas. Do not contaminate water by cleaning of equipment or disposal of wastes.

Re-entry and Workers' Protection Statements

Users are required to wear longsleeved shirts and long pants or equivalent, chemical resistant gloves, and boots (waterproofed). In addition, persons involved in mixing/loading operations are required to use heavy-duty chemical resistant gloves 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 Because certain have dried. 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-weedleaf 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® HC 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 generall/
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, CT, DE, IA, ID, IL, IN, KS, KY, ME, MA, MI, MN, MO, MT, NE, NH, NJ, NY NC, ND, OH, OR, PA, RI, SD, UT, WA, WI, WV, 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

Ground Equipment: Use a minimum of 10 gallons of water per broadcast acre and a minimum of 40 psi pressure (measured at the boom, not at the pump (ir 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.

Aerial Application Special Directions

To obtain uniform coverage and a 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 ¾ 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 aircraft within 200 feet upwind of ornamental or sensitive nontarget crops such as

soybeans, peanuts, cotton, sugar beets, 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 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.

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-O analysis) may be substituted for 2.5 pounds 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 Gound Application: 5% v/v (conceptration): /1 gallon per

(concentration); (1 gallon per acre maximum).

Air Application: 2½% v/v (concentration) (½ gallon per acre maximum).

Rate of AMS

Ground Application: 2.5 pounds 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 HC: If a nitrogen solutions is not used, a nonphytotoxic oil concentrate (commonly referred to as oil concentrate) or Dash HC 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 (aly 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 tisfactory 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 Ground Application: 1.25% v/v concentration (2 pints/A maximum).

Air Application: 0.625% v/v concentration, (1 pint/A maximum).

Rate of Dash HC:
Ground Application: 0.625%
v/v concentration (1 pint/A maximum).

Air Application: 0.31% v/v concentration (½ pint/A maximum).

Jar Test for Estimating Suitability of Oil Concentrate

- 1. Water Supply: Use only water from intended source and at the source temperature.
- 2. Amount of Water in Jar: For 20 gal/A spray volume use 3½ cups (800 ml) of water.

For 10 gal/A spray volume use 1% cups (400 ml) of water.

For 5 gal/A spray volume use $\frac{1}{4}$ cup (200 ml) of water.

For other spray volumes, adjust proportionately to above.

 Amount of herbicide and oil concentrate (or Dash HC) or UAN 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 HC (if used)
- 5. Cap jar, invert 10 cycles, let stand for 15 minutes, evaluate.
- 6. Evaluation: An ideal tank mix 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

	Application Rates for Laddok					
Weeds Controlled	2 Pints/A*		2½ Pints/A*		3½ Pints/A*	
	Leaf Stage	Maximum Height (in)	Leaf Stage	Maximum Height (in)	Leaf Stage	Maximum Height (in)
Beggarticks					Up to 6	6
Bristly Starbur			•••		Up to 4	2
Black Nightshade	•••		2-4	1	2-4	1
Burcucumber			***		3	3
Cockisbur	2.4**	3	2-10**	8	2-10**	8
Common Groundsei	•••		Up to 4	2	Up to 6	4
Common Lambsquarters	2-6	2	Up to 8	5	8-12	8
Common Ragweed		<u></u>	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	4	4-6	6
Jimsonwee	2-4	3	Up to 6	6	6-10	8
Kochia			` <u></u>	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 Side 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 6	5	Up to 8	8
Venice mallow			Up to 8	4	Up to 8	4
Wild Buckwheat			Up to 4	3	4-6	5
Wild Musterd		🔪	Up to 6	4	6-10	8
Wild Sunflower			Up to 5	6	4-6	8
Triazine Resistant Weeds	See Special D	irections Below				
Yellow Nutsedge						
Texow Nutseage Canada Thistle	See Special Directions Below See Special Directions Below					
Canada Instite Field Bindweed	See Special Directions Below					
LIEN DINGMESO	i pee phecial D	ILECTIOUS REJOM				

Always add UAN solution or oil concentrate or Dash HC to Laddok See section Additive Information

Addition of UAN or AMS will allow control of velvetleaf at the 8-leaf stage or 8 inch meximum height using 2½ pints/A; or at the 10-leaf stage or 10 inch meximum height using 3½ pints/A.



^{••} Do not treat earlier than leaf stage shown and do not count cotyledon leaves.

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 HC 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 2½ lbs/A. Use only fine feed grade or spray grade AMS. Fill sprayer tank twothirds full with clean water. Begin agitation, slowly add required amount of AMS to the tank. Adding too quickly may rlog 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 by adding 1/2 cup of AMS to 1 gallon of water and agitate 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 and Sorghum

Canada Thistle Yellow Nutsedge Field Bindweed

For suppression of these weeds, apply 3½ 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 HC according to sections, Additive Information, and, Mixing/Spraying. For best results cultivate 7-14 days after application.

Triazine-Resistant Weeds

Triazine-resistant biotypes of Amaranthus. (pigweeds), common lambsquarters, and common groundsel can be controlled with 2½ to 3½ pints/A 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 2½ to 3½ pints/A of Laddok plus ½ 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 The most each product. 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 Com Only

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; velveticof, tall waterhemp, sunflower; and the perennial weeds, Canada thistle, swamp

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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 mixes.

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
'orn growth but before the fifth
leaf is visible. Refer to the
Recommended Rates for
Postemergence Application of
Laddok plus 2,4-D for use rates.

Table 2
Recommended Rates for
Postemergence Application of
Laddck Plus 2,4-D LVE
for Broadleaf Weed Control

2½ pints/A	% pint/A or 4 fluid oz/A	1/6 pint/A or 2.7 fluid oz/A
Laddok	Gallon	Gallon
Rate of	4 Buj	6 tos/
2	,4-D LVE F	ate*

Spray Additives

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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 10 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 one-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 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 90 DF 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 90 DF tank mix include; crattgrass, fall panicum, giant foxtail, goosagrass, breat foxtail, stinkarass (Indian lovegrass), witchgrass and yellow foxtail. Refer to Table 1 for bro-dleaf weed control. Refer to the label for Blades 90 DF for defined conditions of best annual grass control. The must restrictive • • •

labeling applies to tank mixes.

Time and Rate of Application

A tank mix of Laddok plus Bladex 90 DF should be applied after corn has fully emerged but before the fifth leaf is visible. Annual grasses must not exceed 1½" in height for adequate control. Refer to Table 1 for rate and timing for broadleaf weed control. Use Bladex 90 DF at a rate of 1½ lbs/A.

Table 3

Laddok plus Bladex 90 DF Tank Mix Rate for Use in Field and Silage Corn

Leddak	Bladex 80 DF
2 pts/A	1% lbs/A
2½ pts/A	1% lbs/A
3½ pts/A	1% lbs/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 10 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 90 DF 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.

Tank Mix With Atrazine For postemergene use in corn and sorghum.

General Information

The tank mix of Laddok herbicide plus atrazine herbicide may be applied for postemergence control of broadleaf weeds at the proper growth stage for treatment as specified on this label. The addition of atrazine will provide residual weed control and provide suppression of giant, green and yellow foxtail.

This tank mix is effective through contact action. Therefore, weeds must be thoroughly covered with spray. Large crop and weed canopies shelter smaller weeds and prevent adequate spray coverage.

Atrazine products compatible with Laddck include AAtrex 4L and AAtrex Nine-O herbicides as well as other similar generic formulations containing atrazine. Refer to the respective atrazine labels. For additional directions and limitations.

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Time and Rate of Application

Apply the tank mix of Laddok plus atrazine early postemergence when weeds are small and actively growing but before weeds reach maximum size listed on the Apply Laddok label. the recommended amount of Laddok according to the Application Rate Chart for Laddok herbicide plus atrazine.

Application Rate Chart for Laddok plus Atrazine

Laddok	Atrazine*	Oil Concentrate**
2.0 pts/A	1 lb/A	1.25 % v/v
2.5 pts/A	1 lb/A	1.25% v/v
3.5 pts/A	0.75 lb/A	1.25% v/v
maximum allowable	ictions and Line amounts of a per season v = 1 pt/10 c	strazine

Water Volume and Spray Pressure

Apply recommended rates of this tank mix as follows:

1.25 gal/100 gals of spray solution.

Ground equipment only: Use a minimum of 10 gallons of water per acre on a broadcast basis. Use a minimum of 40 psi pressure (measured at the boom, not at the pump or in the line) with standard flat fan nozzles spaced 20 inches apart.

Spray Additives

A nonphytotoxic oil concentrate (commonly referred to as oil concentrate) or Dash HC spray additive should be added to the spray tank. A nitrogen solution may be substituted for oil concentrate. Nitrogen solutions which may be used are UAN or AMS. Apply UAN at a rate of 5% v/v (5 gal/100 gal of spray solution or AMS at rate of 2½ lbs/A).

Restrictions and Limitations for Laddok Plus Atrazine (Partial List) Refer to each respective label for restrictions and limitations.

for restrictions and limitations.
The most restrictive labeling applies when using a tank mix.

Use only on field corn and grain sorghum.

Restrictions and Limitations for Laddok

Ground water contamination my 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.

This product may not be mixed or loaded within 50 feet of intermittent streams or rivers, natural or impounded lakes or reservoirs. This product may not be applied aerially or by ground within 66 feet of the points where field surface water runoff enters perennial or intermittent streams or rivers or within 200 feet around natural or impounded lakes and reservoirs. If this product is applied to highly erodible land, the 66 foot buffer or set-back

from runoff points must be planted to crop or seeded with grass or other suitable crop.

Where there are state/local requirements regarding atrazine use (including lower maximum rates and/or higher set-backs) which are different from the label, the more restrictive requirements apply.

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

For postemergence applications, if there has been no previous soil application, the maximum rate of atrazine from all sources is 2 pounds ai/A. If there has been a previous soil application to that crop, do not exceed a total of 2.5 pounds ai/A per calendar year.

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

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

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prolonged.

Do not apply Laddok during prolonged periods of drought or during unseasonably 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 or 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.

Bulk/Mini-Bulk Containers and Refillable Containers of Less than 55 Gallons

Refillable/reusable containers should be returned to the point of purchase for cleaning and refilling. Refillable/reusable containers must be thoroughly cleaned before refilling.

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 CORP 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 mariner 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

Scientific Name

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Appendix

SA Common Name Beggarticks **Black Nightshade Bristly Starbur** Burcucumber Canada Thistle Cocklebur Common Lambsquarters Common Ragweed Davflower Devilsclaw Eastern Black Nightshade Field Bindweed -Giant Ragweed Jimsonweed Kochia Ladysthumb Morningglory, Annual Pennsylvania Smartweed Prickly Sida or Teaweed Redroot Pigweed Smallflower Morningglory Smooth Pigweed Spurred Anoda Tall Waterhemp Velvetleaf Venice Mallow Wild Buckwheat Wild Mustard Wild Sunflower Yellow Nutsedge

Bidens frondosa Solanum nigrum Acanthosperum hispidum Sicyos angulatus Cirsium arvense Xanthium strumarium Chenopodium album Ambrosia artemisiifolia Commelina spp. Probiscidea louisianica Solanum ptycanthum Convolvulus arvensis Ambrosia trifida Datura stramonium Kochia scoparia Polygonum persicaria Ipomea spp. Polygonum pensylvanicum Sida spinosa Amaranthus retroflexus Jacquemontia tamnifolia Amaranthus hybridis Anoda cristata Amaranthus tuberculatus Abutilon theophrasti Hibiscus trionum Polygonum convolvulus Sinapis arvensis Helianthus annuus Cyperus esculentus

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