

pm 25 7969-54

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BASF

PEEL BACK BOOK HERE AND RESEAL AFTER OPENING

Laddok[®]

herbicide

Herbicide Use Restrictions

KEEP OUT OF REACH OF CHILDREN

DANGER/PELIGRO

Caution: May be harmful if swallowed. Causes skin irritation. Avoid contact with skin and eyes. Wash thoroughly with soap and water after handling. Do not eat, drink, or smoke while using this product.

For more information on safety and health hazards, see the inside booklet for Complete Precautions, Statements, Directions for Use and Conditions of Sale and Warranty.

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STATEMENT OF PRACTICAL TREATMENT

In case of skin contact, immediately wash skin with plenty of water. If irritation persists, seek medical attention. May cause allergic skin response. For more information on safety and health hazards, see the inside booklet for Complete Precautions, 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 section for information about this standard.

SHAKE WELL BEFORE USING

Contents Bulk

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

JJ9268
A0350294
LD1019

Not Intended for Use in California

ACCEPTED
JAN 19 1985

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 7969-54

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PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER

Corrosive Causes eye damage and skin irritation. Do not get in eyes, on skin, or on clothing. Harmful if swallowed.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Chemical-resistant footwear plus socks
- Protective eyewear

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. 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.

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

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

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

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 48 hours.

PPE required for early entry to treated areas that is permitted under Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

- Coveralls
- Waterproof gloves
- Chemical-resistant footwear plus socks
- Protective eyewear

General Information

Laddok® herbicide is intended for the pre- and post-emergence control of weeds. **Laddok** is effective mainly through contact. Canopies shelter smaller weeds and prevent

Corn and sorghum are tolerant to **Laddok** outgrowth this condition within 10 days.

Corn types included are field, sweet and popcorn. **Laddok** is available in solution, oil concentrate, or **Dash**® HC spray.

Timing of Applications

Apply **Laddok** early postemergence when weeds are small. See the **Application Rate Table for Corn and Sorghum**.

Early application to weeds produces the most effective control. Late application makes it easier to obtain thorough spray coverage and adequate control.

Do not cultivate within 5 days before or after application. Do not apply to corn, sorghum, soybean, cotton, alfalfa, clover, or other legumes. Do not apply to alfalfa or other legumes if all weeds are not controlled or if a second

WATER VOLUME AND SPRAY PRESSURE

Ground Equipment: Use a minimum of 10 gpm at the pump or in the line. When crop is in flower, use a pressure of 100 psi. Use a hollow cone or flat fan nozzle.

Air Equipment: Use a minimum of 5 gpm at the nozzle. Use a hollow cone or fan spray pattern.

AERIAL APPLICATION SPECIAL DIRECTIONS

To obtain uniform coverage and to avoid drift, use the following directions:

Nozzle Height: Maximum of 10 feet above the crop.

Nozzle Orientation: Nozzles must be oriented horizontally or at some angle between straight back and forward. Nozzles must be located no farther out than 10 feet from the aircraft.

Water Volume and Spray Pressure: See the Ground Equipment section.

Do not apply **Laddok** by aircraft when wind speed is greater than 10 mph.

Do not apply **Laddok** by aircraft within 200 feet of beets, sunflowers or okra.

Applicator must follow the most restrictive Federal, State, and local regulations and ordinances.

SPECIAL INFORMATION FOR IRRIGATION

In irrigated areas, atrazine may be present in the water. Atrazine is not toxic to fish, but it is toxic to aquatic invertebrates. In drought conditions, atrazine may be present in the water.

ADDITIVE INFORMATION

Nitrogen Solution: UAN (urea-ammonium-nitrate) solution, improved control of weeds. UAN solution is available in 28% and 32% solutions. UAN solution should also be added when corn, sorghum, or other crops are used. See the specific use recommendations.

UAN solution, commonly referred to as 28% solution, is suitable for application with herbicides.

AMS is a dry granular nitrogen source for UAN. AMS is recommended as an additive. Infer

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ACC
Use for the
Function
of the
Product
and the
Requirements
of the
Label

harmful if swallowed

Use with this product's concentrate. Do not reuse
containers for washables, use detergent and hot water.

Exposure limits listed in the Worker Protection Standard
may be reduced or modified as specified in the WPS.

Remove clothing
contaminated. As soon as possible, wash thoroughly.

Do not apply to groundwater which may be used as drinking
water and loamy sand soils where the water table
is shallow. Your local agricultural agencies can provide

Do not apply to areas where surface water is present or to
adjacent water bodies. Do not apply when weather conditions favor drift
hazards in neighboring areas. Do not contaminate

Do not apply in a way that will
contaminate surface water. For any
application

Standard 40 CFR part 170. This Standard contains
requirements for the storage, handling, and use of agricultural pesticides.
It also contains specific instructions and
requirements for Personal Protective Equipment (PPE) and restricted entry interval. The require-
ment for a restricted entry interval (REI) of 48 hours
applies to any application that involves contact with anything that

General Information

Laddok® herbicide is intended for the post-emergence 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**® 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 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, 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 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.

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 1/4 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.

Application must follow the most restrictive use cautions to avoid drift hazards, including those found in this labeling as well as applicable state and federal 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 weeds. Improved control of cocklebur, wild sunflower, Pennsylvania smartweed, green mallow and wild mustard may also be attained with the nitrogen solution (UAN) or AMS. UAN or AMS should be added to **Laddok** when velvetleaf is the primary target weed, however, oil concentrate should 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 the 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

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 3 $\frac{1}{2}$ cups (800 ml) of water
For 10 gal/A spray volume use 1 $\frac{1}{2}$ cups (400 ml) of water
For 5 gal/A spray volume use 5 $\frac{1}{6}$ cup (200 ml) of water
For other spray volumes, adjust proportionately to above
- 3. 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

Wild Mustard	—
Wild Sunflower	—
Triazine Resistant Weeds	See Spec. A-D*
Yellow Purselion	See Spec. A-D*
Canada Thistle	See Spec. A-D*
Field Bindweed	See Spec. A-D*

*Always add UAN solution or oil concentrate or **Dash**
See section **Additive Information**
**Do not treat earlier than leaf stage shown and do not
***Application of UAN or AMS will allow control of weeds
maximum height using 3 $\frac{1}{2}$ cups/A

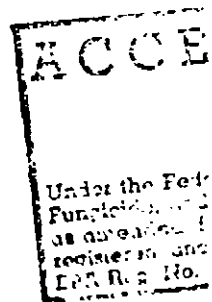


TABLE 1
APPLICATION RATE TABLE FOR CORN AND SORGHUM

WEEDS CONTROLLED	APPLICATION RATES FOR Laddok					
	2 PINTS/A*		2 1/2 PINTS/A*		3 1/2 PINTS/A*	
	LEAF STAGE	MAXIMUM HEIGHT (in)	LEAF STAGE	MAXIMUM HEIGHT (in)	LEAF STAGE	MAXIMUM HEIGHT (in)
Bugardicks					Up to 6	6
Bristly Starbur					Up to 4	4
Black Nightshade			2-4	1	2-4	1
Burcucumber					3	3
Cocklebur	2-4**	3	2-10***	8	2-10***	6
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	4	4-6	6
Jimsonweed	2-4	3	Up to 6	6	6-10	8
Kochia				4		4
Ludysthumb	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 5	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 6	2	6-9	4
Velvetleaf***	2-4	3	Up to 6	5	Up to 8	8
Vernice mallow			Up to 8	4	Up to 8	4
Wild Buckwheat			Up to 4	3	4-8	5
Wild Mustard			Up to 6	4	6-10	6
Wild Sunflower			Up to 5	6	4-6	5
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 HC to Laddok
See section Additive Information
**Do not treat earlier than leaf stage shown and do not count cotyledon leaves
***Addition of UAN or AMS will allow control of velvetleaf at the 6-leaf stage or 8-inch maximum height using 2 1/2 pints/A or at the 10-leaf stage or 10-inch maximum height using 3 1/2 pints/A

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Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 29692-54

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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 2 1/2 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 procedure 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, pre-dissolve 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 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 nutsedges 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 2 1/2 to 3 1/2 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 2 1/2 to 3 1/2 pints/A of **Laddok** plus 1/2 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

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 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 corn 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 POST-EMERGENCE APPLICATION OF LADDOK PLUS 2,4-D LVE FOR

RATE OF LADDOK pints/A	2,4-D LVE RATE*	
	4 LBS/ GALLON	2
2 1/2	2 1/2 pint. A or 4 fluid oz/A	2

*Refer to the section **Spray Additives**

SPRAY ADDITIVES

UAN solution (commonly referred to as 21 consistency) of control of some broadleaf may occur. New growth is normal and vigorous. Do not use brass or aluminum nozzles when spraying. Do not use oil additives, surfactants or other

WATER VOLUME AND SPRAY PRE

Use a minimum of 10 gallons of total spray volume per acre. Use only ground equipment.

Mixing

Fill tank of a thoroughly clean sprayer one half to two thirds full with clean water. Start agitation, add nitrogen solution then add **Laddok**, allow to mix thoroughly. While the agitator is running, add remaining quantity of water.

RESTRICTIONS AND LIMITATIONS I

Refer to each respective label for restrictions.

For use in field and silage corn only.

Do not apply on sorghum, popcorn, sweet corn, or dent corn. Response to 2,4-D and other herbicides vary in response to 2,4-D and other herbicides.

Do not apply this treatment under cold, wet conditions. The addition of the corn may result from this treatment. Cold and wet conditions may reduce control.

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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 LBS/ GALLON	6 LBS/ GALLON
1/2 pint/A	7/8 pint/A or 4 fluid oz/A	1 1/2 pint/A or 2 7/8 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 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

Thoroughly clean sprayer one-half to two-thirds full with clean water. Start agitation of UAN solution (if used) then add Laddok. Add 2,4-D LVE 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 cold, wet weather 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 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: crabgrass, fall panicum, giant foxtail, goosegrass, green foxtail, streakgrass (Indian lovegrass), witchgrass and yellow foxtail. Refer to Table 1 for broadleaf weed control. Refer to the label for Bladex 90 DF 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 90 DF should be applied after corn has fully emerged but before the 14th leaf is visible. Annual grasses must not be used for adequate control. Refer to Table 1 for rate and timing for broadleaf weed control. Use Bladex 90 DF at a rate of 1.0 lb/A.

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TABLE 3

Laddok PLUS BLADEx 90 DF TANK MIX RATE FOR USE IN FIELD AND SILAGE CORN

LADDOK	BLADEx 90 DF
2 pts/A	1 lb/A
2 1/2 pts/A	1 lb/A
3 1/2 pts/A	1 lb/A

Spray Additives

Under dry, and 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 postemergence 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 Laddok 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.

LADDOK	ATRAZINE*	OI
2 1/2 pts/A	1 lb/A	
2 1/2 pts/A	1 lb/A	
3 1/2 pts/A	0.75 lb/A	

* See Restrictions and Limitations for maximum allowable per season.
 * 1.25% w/v = 1 pt/10 gals water or 1.25 gal/100 gals.

Time and Rate of Application

Apply the tank mix of Laddok plus atrazine early postemergence size listed on the Laddok label. Apply the recommended rate plus atrazine.

Water Volume and Spray Pressure

Apply recommended rates of this tank mix as follows. Ground equipment only: Use a minimum of 10 gallons at the boom, not at the pump or in the line with stand.

Spray Additives

A nonphytotoxic oil concentrate (commonly referred to as nitrogen solution) may be substituted for oil concentrate w/v 15 gal/100 gal of spray solution or AMS at rate of 2.

RESTRICTIONS AND LIMITATIONS FOR LAD

Refer to each respective label for restrictions and limitations. Use only on field corn and grain sorghum.

RESTRICTIONS AND LIMITATIONS FOR LAD

Ground water contamination may be reduced by diking.

This product may not be mixed, loaded, or used with n

This product may not be mixed or loaded within 50 feet of water or within 200 feet around natural or impounded water. Back from runoff points must be planted to crop or

Where there are state/local requirements regarding application from the label, the more restrictive requirements apply.

Do not apply this product through any type of irrigation for postemergence applications, if there has been a previous soil application to that crop.

Postemergence application to corn and sorghum must not make more than one application of Laddok per

Do not use Laddok when crop is under stress from drought or recent rainfall, as crop injury may occur.

Do not apply Laddok if crop shows injury and phytotoxicity may be enhanced and/or prolonged.

Do not apply Laddok during prolonged periods of drought. Producers should consult the seed company re

Do not apply to sorghum that is heading out or blooming. Do not graze treated area of feed treated forage to l

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LADDOK	ATRAZINE*	OIL CONCENTRATE**
2.0 pt/A	1 lb/A	1.25% v/v
2.5 pt/A	1 lb/A	1.25% v/v
3.0 pt/A	0.75 lb/A	1.25% v/v

* See **Restrictions and Limitations** for maximum amounts of atrazine allowable per season.
 ** 1.25% v/v = 1 pt/10 gals water or 1.25 gal/100 gals of spray solution.

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 the maximum size listed on the **Laddok** label. Apply the recommended amount of **Laddok** according to the **Application Rate Chart** for **Laddok** herbicide plus atrazine.

Water Volume and Spray Pressure

Apply recommended rates of this tank mix as follows:

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 1/2 v/v (5 gal/100 gal of spray solution) or AMS at rate of 2.7 lbs/A.

RESTRICTIONS AND LIMITATIONS FOR LADDOK PLUS ATRAZINE TANK MIX (PARTIAL LIST)

Refer to each respective label 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 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.

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 setback 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 a.i./A. If there has been a previous soil application to that crop, do not exceed a total of 2.5 pounds a.i./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 apply **Laddok** when crop is under stress from prolonged cold, wet weather, poor fertility, or other factors or when crop is wet and soil is saturated 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 injury may be enhanced and/or 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 of feed treated forage to livestock for 21 days following application.

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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

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 X 77 is a registered trademark of Chevron Chemical Company
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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.

APPENDIX

CONT

- Beggarlice
- Black Nightshade
- Broadleaf Starling
- Burcucumber
- Canada Thistle
- Cocklebur
- Common Lamb'squarter
- Common Ragweed
- Dayflower
- Devilsclaw
- Eastern Black Nightshade
- Field Bindweed
- Giant Ragweed
- Jimsonweed
- Kochia
- Ladysthumb
- Morningglory, Annual
- Pennsylvania Smartweed
- Prickly Side or Teaweed
- Redroot Pigweed
- Smallflower Morningglory
- Smooth Pigweed
- Spurred Amaranth
- Tall Waterhemp
- Velvetleaf
- Vernice Mallow
- Wild Buckwheat
- Wild Mustard
- Wild Sunflower
- Yellow Nutsedge

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APPENDIX

COMMON NAME

SCIENTIFIC NAME

Beggarticks
 Black Nightshade
 Bristly Starbur
 Burcucumber
 Canada Thistle
 Cocklebur
 Common Lambsquarters
 Common Ragweed
 Dayflower
 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
 Tail Waterhemp
 Velvetleaf
 Venice Mallow
 Wild Buckwheat
 Wild Mustard
 Wild Sunflower
 Yellow Nutsedge

Bidens bonariensis
Solanum nigrum
Acanthusperum hispidum
Sicyos angulatus
Cirsium arvense
Xanthum strumarium
Chenopodium album
Ambrosia artemisiifolia
Commelina spp
Proboscidea leucostachya
Solanum pycnanthum
Convolvulus arvensis
Ambrosia trifida
Datura stramonium
Kochia scoparia
Polygonum persicaria
Ipomea spp
Polygonum pennsylvanicum
Sida spinosa
Amaranthus retroflexus
Jacquemontia tamnifolia
Amaranthus hybridus
Anoda cristata
Amaranthus tuberculatus
Abitilon theophrasti
Hibiscus trionum
Polygonum convolvulus
Sinapis arvensis
Helianthus annuus
Cyperus esculentus

per the application of Laddok except com

us Improper disposal of excess pesticide according to label instructions, contact your nearest EPA Regional Office for guidance use of in a sanitary landfill, or by incineration

Refillable/reusable containers must be thoroughly cleaned before reuse

animals and unprotected persons. Confine

is. The directions are believed to be reliable and tested with use of this product. Crop injury, inefficiency, or other damage resulting from the use of this product may be caused by conditions, presence of other materials, or use of other products. BASF CORPORATION ("BASF") or the Seller. All other chemical descriptions on the label and is reasonably expected to above. **BASF MAKES NO OTHER EXPRESS WARRANTY OR IMPLIED WARRANTY, IN NO CASE SHALL BASF BE LIABLE FOR DAMAGES RESULTING FROM THE USE OR MISUSE OF THIS PRODUCT.** User accept it, subject to the foregoing Conditions. Authorized representative of BASF

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Laddok[®]

herbicide

Postemergence Flowable Herbicide
RESTRICTED USE PESTICIDE
(GROUND AND SURFACE WATER CONCERNS)

KEEP OFF OF REACH OF CHILDREN
DANGER TO BEHETIC

SHAKE WELL BEFORE USING

See attached booklet for Complete Precautionary Statements, Directions for Use and Conditions of Sale and Warranty.

Net Contents Bulk

BASF Corporation

P.O. Box 3528, Research Triangle Park, NC 27709-3528

Not Intended for
Use in California

USE28
AKS284
1/11/11

ACCEPTED

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended for the pesticide
registration under
EPA Reg. No. 2969-54

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