

Revised 3/9/81



21

LaddokTM

ACCEPTED
MAR 26 1981
Under the Federal Insecticide,
Fungicide and Rodenticide Act,
this pesticide is registered for the pesticide
EPA Reg. No. 7969-54

POSTEMERGENCE FLOWABLE HERBICIDE

ACTIVE INGREDIENTS:

Sodium salt of bentazon* (3-isopropyl-1H-2,1,
3-benzothiadiazin-4 (3H)-one, 2,2-dioxide) 18.52%
Atrazine* (2-chloro-4-ethylamino-6-
isopropylamino-s-triazine) 18.96%

INERT INGREDIENTS 64.52%

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

EPA REGISTRATION NO. 7969-54

KEEP OUT OF REACH OF CHILDREN

DANGER

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.

ENVIRONMENTAL HAZARDS

Do not apply directly to lakes, ponds, or streams. Do not contaminate
water by cleaning of equipment or disposal of wastes.

SHAKE WELL BEFORE USING

NET CONTENTS

2 1/2 Gallons

BASF WYANDOTTE CORPORATION
Parsippany, N. J. 07054

MADE IN WEST GERMANY

21

DIRECTIONS FOR USE

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

General Information

Laddok selective 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 is tolerant to Laddok at all stages of growth, but very slight leaf speckling may occur. Corn plants generally outgrow this condition within 10 days.

Always add oil concentrate according to the section entitled "Mixing and Application".

Timing of Applications

Apply Laddok early post-emergence when weeds are small and actively growing and before weeds reach the maximum size listed in the Laddok **APPLICATION RATE TABLE FOR CORN**. Such applications generally correspond to the corn growth stages of one to five 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 Laddok application in the following states: AZ, CA, CO, CT, ID, IL, IN, IA, KS, KY, ME, MA, MI, MN, MO, MT, NB, NV, NH, NJ, NY, ND, OH, OR, PA, RI, SD, UT, VT, WA, WV, WI, WY. A cultivation 5 or more days after application may be necessary if 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 gals. 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 gals. 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 nozzles.

Air equipment: Use a minimum of 5 gals. 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 not be located further 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 above—Air equipment. Do not apply Laddok by aircraft when wind is blowing at a velocity of 5 mph or greater. Coarse sprays (larger droplets) are less likely to drift.

Do not apply Laddok by air within 200 feet of ornamentals or sensitive non-target crops such as 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.

Mixing and Application

Oil concentrate must be added to the spray tank under all conditions. Use a non-phytotoxic oil concentrate (commonly referred to as oil concentrate) containing a blend of 80% paraffin base petroleum oil and 20% tolerance exempt surfactant.

For ground application use oil concentrate at the maximum rate of 1 quart/acre. For air application use oil concentrate at the maximum rate of 1 pint/acre. In California, refer to additional information under the APPLICATION RATE TABLE FOR CORN. Fill tank of a thoroughly clean sprayer half to two-thirds full with clean water. Start agitation and add Laddok, allow to mix thoroughly. Add oil concentrate 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 any streams or ponds.

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

Restrictions and Limitations

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.

Seed corn producers should consult the seed corn company regarding tolerance of seed production inbred lines to Laddok. Do not make more than one application of Laddok per season.

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

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 unseasonably cold weather, as unsatisfactory weed control may result.

Rainfall or overhead irrigation soon after application (within 8 hours) may nullify the effectiveness of Laddok.

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

Application Rate Table for Corn

| Weeds Controlled | Application Rates for Weed Growth Stages | | | |
|--|--|-------------|---------------|-------------|
| | 2 2/5 pts/A* | | 3 6/10 pts/A* | |
| | Leaf Stage | Max. Height | Leaf Stage | Max. Height |
| Cocklebur (<i>Xanthium pensylvanicum</i>) | 26** | 4" | 6 10 | 8" |
| Common Lambsquarters (<i>Chenopodium album</i>) | 48 | 2" | 8 12 | 4" |
| Common Ragweed (<i>Ambrosia artemisiifolia</i>) | up to 4 | 2" | 46 | 3" |
| Giant Ragweed (<i>Ambrosia trifida</i>) | up to 4 | 4" | 46 | 6" |
| Jimsonweed (<i>Datura stramonium</i>) | up to 8 | 4" | 6 10 | 8" |
| Ladysmthumb (<i>Polygonum persicaria</i>) | up to 8 | 4" | 6 10 | 8" |
| Penna. Smartweed (<i>Polygonum pennsylvanicum</i>) | up to 8 | 4" | 6 10 | 8" |
| Redroot Pigweed (<i>Amaranthus retrofractus</i>) | 48 | 2" | 8 12 | 4" |
| Velvetleaf (<i>Abutilon theophrasti</i>) | up to 4 | 2" | 46 | 5" |
| Velvetleaf (<i>Abutilon theophrasti</i>) | up to 6 | 2" | 6 10 | 4" |
| Wild Buckwheat (<i>Polygonum convolvulus</i>) | up to 4 | 3" | 46 | 5" |
| Wild Mustard (<i>Brassica heder</i>) | up to 8 | 4" | 6 10 | 8" |
| Wild Sunflower (<i>Helianthus annuus</i>) | up to 4 | 4" | 46 | 8" |
| Wegworts (<i>Bidens frondosa</i>) | Not Recommended | | up to 8 | 6" |
| Bristly Starbur (<i>Acanthospermum hispidum</i>) | Not Recommended | | up to 4 | 2" |
| Dayflower (<i>Commelina spp.</i>) | Not Recommended | | up to 8 | 4" |
| Pitchy Side or Teaweed (<i>Sida spinosa</i>) | Not Recommended | | up to 8 | 3" |
| Spurred Anoda (<i>Anoda cristata</i>) | Not Recommended | | up to 8 | 3" |

* Always add oil concentrate according to the Mixing and Application Section, above. In California, add non-phytotoxic oil (containing emulsifier) to the Laddok/water spray solution for application by ground equipment at the rate of 1/2 gallon per acre in coastal valleys and 1 gallon per acre in central valleys. Add non-phytotoxic oil to the spray solution for application by air equipment at the rate of 1% by volume (1 gallon per 100 gallons spray solution). The oil should have an unsulphonated residue rating of 90% or above.

** Do not treat earlier than leaf stage shown and do not count cotyledon leaves.

† Control may be partial or inconsistent.

For the control of:
Annual Morningglories (*Ipomoea spp.* and *Jacquemontia tamnifolia*), Canada Thistle (*Cirsium arvense*), Yellow Nutsedge (*Cyperus esculentus*). Refer to Basagran® Herbicide Label. Basagran® Trademark of BASF AG.

Storage and Disposal

Do not allow product to freeze.

Do not contaminate water, food or feed by storage or disposal. Open dumping prohibited. Do not reuse empty container.

Pesticide, spray mixture or rinsate that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticides or buried in a safe place away from water supplies.

Triple rinse container and dispose of in an incinerator or landfill approved for pesticide containers, or bury in a safe place.

Consult federal, state or local disposal authorities for approved alternative procedures such as limited open burning.

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 WYANDOTTE CORPORATION ("BWC") or the Seller. All such risks shall be assumed by the Buyer.

BWC 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. BWC MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. In no case shall BWC or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product. BWC 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 by a duly authorized representative of BWC.