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**ACCEPTED**  
NOV 18 1987  
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 400-49

# ALANAP®-L

KILLS BROADLEAF WEEDS

**PRECAUTIONARY STATEMENTS**  
**HAZARDS TO HUMANS**  
**WARNING**  
Causes eye irritation. Do not get in eyes, on skin or on clothing. Harmful if swallowed.  
**ENVIRONMENTAL HAZARDS**  
Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of wastes.



**STORAGE AND DISPOSAL**  
Do not contaminate water, food or feed by storage or disposal.  
**STORAGE:** Store in a dry location. ALANAP-L is normally a solution but it may crystallize in the cold (32°F.). Gentle warming (60°F.) will redissolve any crystals. Mild agitation, such as rolling, shaking, or stirring before use is recommended.  
**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved disposal facility.  
**CONTAINER DISPOSAL:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.  
**EQUIPMENT CLEANING:** Thoroughly rinse spray tank, hose and nozzles with water after application. Use ALANAP-L in metal or fiberglass tanks. ALANAP-L can be removed from metal or fiberglass tanks by washing thoroughly with ammonia water and rinsing several times with water containing a good detergent.

**COMPOSITION**  
Active Ingredients: (% by weight)  
Sodium salt of naptalam  
(sodium 2-[(1-naphthalenylamino) carbonyl] benzoate) ..... 23.7%  
Inert Ingredients: ..... 76.3%  
Total: ..... 100.0%  
Each gallon contains two pounds of active ingredient.

**KEEP OUT OF REACH OF CHILDREN**  
**WARNING**  
**STATEMENT OF PRACTICAL TREATMENT**  
**IF IN EYES:** Flush with plenty of water for fifteen minutes. Call a physician.  
**IF SWALLOWED:** Call a physician or Poison Control Center. Drink two large glasses of water and induce vomiting.  
**IF INHALED:** See a physician if an abnormal reaction occurs.  
**IF ON SKIN:** Wash thoroughly with soap and water.  
**SEE LEFT SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENT.**

9-29-87

UNIROYAL CHEMICAL COMPANY, INC.  
Middlebury, CT 06749  
EPA REG. NO. 400-49  
EPA EST. NO. Lot. No.  
ALANAP is a Registered Trademark of Uniroyal Chemical Company, Inc.  
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NET WEIGHT:

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**DIRECTIONS FOR USE**

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

**GENERAL INSTRUCTIONS**

**DO NOT APPLY THIS PRODUCT THROUGH ANY TYPE OF IRRIGATION SYSTEM.**

**DO NOT HARVEST SOYBEANS EARLIER THAN 60 DAYS POST-TREATMENT.**

**DO NOT GRAZE OR FEED FORAGE OR HAY FROM TREATED SOYBEANS OR PEANUTS TO LIVESTOCK.**

**OBSERVE ALL CAUTIONS AND LIMITATIONS ON LABELING OF ALL PRODUCTS USED IN MIXTURES.**

**PREEMERGENCE**

**1. PREPARATION OF SOIL**

Area to be treated must be free of all weeds at time of application. ALANAP-L usually will not control established weeds. To insure maximum weed control, it is important to have a relatively smooth soil surface. If the area to be treated has been plowed, the soil clods should be broken up. If weather factors make replanting necessary after ALANAP-L has been applied, thoroughly disk the area prior to replanting.

**2. METHOD OF APPLICATION**

- a. Uniform coverage of soil surface is essential.
- b. Apply ALANAP-L within 48 hours of planting.
- c. Rotary hoe may be used to destroy small weeds without impairing herbicide activity if dry weather follows ALANAP-L treatment.
- d. If irrigation is used best results are obtained when water is applied after spraying ALANAP-L.
- e. Avoid spray drift on areas planted to such sensitive crops as beets, tomatoes and spinach.
- f. Do not use ALANAP-L on silt loam soils of extremely fine texture.

**POSTEMERGENCE**

Uniform coverage of foliage is essential.

Do not apply if rain is expected within 6 hours of application.

**WEEDS CONTROLLED**

**BROADLEAF WEEDS:** *Common chickweed, common lambsquarters, common ragweed, common purslane, velvetleaf, common cocklebur, field and hedge bindweed, cutleaf groundcherry, white mustard, shepherds purse, redroot pigweed, hairy galinsoga and carpetweed (black and hairy nightshade are controlled in California).*

**NOTES:**

1. If heavy rains immediately follow ALANAP-L application, weed control normally will not be impaired. However, some stunting of growth or even some stand reduction may be noted, especially in the lighter soils temperature may accentuate this condition. With the return of good growing conditions the stunted plants will usually recover and maintain a normal growth pattern.
2. Do not mix ALANAP-L with liquid fertilizer solutions since solid precipitates may form.

**CUCURBITS**

**Cantaloupe, Cucumber, Muskmelon and Watermelon.**

Apply ALANAP-L as a preemergence spray immediately after seeding. A second application postemergence to the crop may be made about a month after planting just before the crop is starting to vine, but before weeds have emerged. ALANAP-L can also be used as a postemergence spray immediately after transplanting crops. ALANAP-L may be used as a tank mix with

bensulfide (PREFAR) 1. See specific directions.

**1. PREEMERGENCE**

ALANAP-L: Use 6-8 quarts of ALANAP-L in 20-40 gallons of water per acre (broadcast). On light sandy soils reduce the rate to 4-6 quarts of ALANAP-L.

**2. IRRIGATED MELONS (Preplant or Preemergence):**

Prepare and shape seed beds. Band treat on the bed with the recommended rate (see above use directions for ALANAP-L alone or use directions for Prefar plus ALANAP-L) incorporate to 1-2½ inches. Plant, then irrigate as needed. On sandy loam or lighter soils ALANAP-L should not be used with sprinkler irrigation.

**3. POSTEMERGENCE:**

ALANAP-L may be used postemergence at up to 8 quarts per acre after plants are ready to vine.

**NOTES:**

1. Do not use ALANAP-L on vine crops of any kind when growing conditions are adverse namely in early spring when weather is cold and wet. Under such conditions ALANAP-L may cause stunting.
2. Do not apply postemergence to vine crops when temperature is 100°F. or above.

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**ALANAP plus PREFAR:**

**DIRECTIONS FOR USE PRE-PLANT OR PREEMERGENCE:** Cantaloupe, cucumber, muskmelon and watermelon —Apply 1-1½ gallons per acre of PREFAR 4E (4 to 6 lbs. a.i.) plus 1 to 2 gallons per acre of ALANAP-L (2 to 4 lbs. a.i.) in sufficient water (10 to 40 gal./acre) to provide uniform distribution. Incorporate lightly (½ to 1 inch) into the soil using suitable equipment just prior to planting. Use lower rates on light (sandy) soils and higher rates on heavier (clay) soils. Reduce the rate proportionately for band applications. For irrigated melons see treating sequence given above.

**BROADLEAF WEEDS CONTROLLED:**

PREFAR plus ALANAP-L in tank mix combination will control: *common chickweed, common lambsquarters, common ragweed, common purslane, velvetleaf, common cocklebur, field and hedge bindweed, cutleaf groundcherry, white mustard, shepherdspurse, redroot pigweed, hairy galinsoga, carpetweed.*

**ANNUAL GRASSES CONTROLLED:**

*Smooth and large crabgrass, foxtails, barnyard grass, goosegrass, fall panicum and red sprangletop.*

**IMPORTANT -** Follow all general directions for use and precautions listed above on the ALANAP-L label, as well as those listed on the PREFAR label. PREFAR is a registered trademark of Stauffer Chemical.

**NURSERY STOCK**

A. For established Woody Plants (e.g. elm, arborvitae, taxus, pine, spruce, maple, cedar, cottonwood, plum, thuja, picea, lilac, privet, philadelphus, azalea, holly, rhododendron, juniper.)

1. Apply ALANAP-L on a broadcast basis or as a band spray centering on the row. Additional applications may be made as required.
2. Direct spray so as to strike the nursery stock about 2-3 inches or less above the ground.

B. For small Woody Transplants (2 methods suggested).

1. Apply ALANAP-L prior to transplanting. Care should be taken not to disturb much of the treated area.
2. Apply ALANAP-L as directed spray after transplanting.

Use 12 quarts of ALANAP-L in 20-40 gallons of water per acre (broadcast). On light sandy soils the rate should be reduced to 8 quarts. If applying on silt or clay soils increase the rate to 16 quarts.

**NOTE:** Avoid application to foliage or nursery plantings. Do not use on herbaceous (non-woody) plants.

**Peanuts (except California)**

ALANAP-L is an effective preemergent herbicide for controlling annual broadleaf weeds. It is particularly effective for weeds that are deep seeded in peanuts. Weed seed that germinates in the top 1 inch of soil may be less effected by ALANAP-L because it moves rapidly through the soil profile under normal rainfall conditions. This weakness can be overcome with a light cultivation or by using a preemergent or preplant incorporated herbicide applied prior to or in combination with ALANAP-L such as LASSO® or DUAL® 8E.

**WEEDS CONTROLLED**

**ALANAP-L plus LASSO:**

*Common chickweed, common lambsquarters, common ragweed, common purslane, velvetleaf, common cocklebur, field and hedge bindweed, cutleaf groundcherry, white mustard, shepherds purse, redroot pigweed, hairy galinsoga and carpetweed, barnyardgrass, crabgrass, giant foxtail, green foxtail (robust purple, robust white), yellow foxtail, goosegrass, fall panicum, red rice, broadleaf signalgrass, witchgrass, black nightshade, hairy nightshade, Florida pusley, yellow nutsedge.*

**Partial Control:** Florida beggarweed, annual morningglory.

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ALANAP-L plus DUAL 8E.

Common chickweed, common lambsquarters, common ragweed, common purslane, velvetleaf, common cocklebur, field and hedge bindweed, cutleaf groundcherry, white mustard, shepherds purse, redroot pigweed, hairy galinsoga and carpetweed, barnyardgrass, crabgrass, crowfootgrass, fall panicum, foxtail millet, giant foxtail, goosegrass, green foxtail, prairie cupgrass, red rice, signalgrass (Brachiaria), southwestern cupgrass, witchgrass, yellow foxtail, yellow nutsedge, black nightshade, Florida pusley.

Partial Control: Florida beggarweed, annual morningglory.

ALANAP-L alone:

Common chickweed, common lambsquarters, common ragweed, common purslane, velvetleaf, common cocklebur, field and hedge bindweed, cutleaf groundcherry, white mustard, shepherds purse, redroot pigweed, hairy galinsoga and carpetweed.

APPLICATION TIMMING and RATE

ALANAP-L should be sprayed uniformly on the soil prior to crop emergence (immediately after planting through ground cracking).

ALANAP-L plus LASSO (liquid):

Use ALANAP-L at 4 quarts plus LASSO at 2 quarts in 20-40 gallons of water per acre broadcast.

ALANAP-L plus DUAL 8E:

Use ALANAP-L at 4 quarts plus DUAL 8E at 2 pints in 20-40 gallons of water per acre.

ALANAP-L alone:

Use ALANAP-L alone at 4-8 quarts in 20-40 gallons of water per acre broadcast. On light sandy soils the rate should be reduced to 4 quarts.

LASSO is a Registered Trademark of Monsanto Agricultural Products Co.  
DUAL is a Registered Trademark of Ciba-Geigy Corp.

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SOYBEANS

Use ALANAP-L as a preemergence spray immediately after seeding, or as an overtop application when soybeans are about 14" tall to 60 days before harvest.

PREEMERGENCE THROUGH CRACKING

Use 8 quarts of ALANAP-L in 20-40 gallons of water per acre (broadcast). On light sandy soils the rate should be reduced to 4 quarts. A band treatment may also be used.

NOTES:

Do not apply ALANAP-L to soil area where crop seeds are exposed or shallow planted. The usual depth of planting to insure a stand is sufficient providing that the crop seeds are well covered with soil.

POSTEMERGENCE

ALANAP-L Butyrac 200 or Butoxone

Application Timing: Apply on soybeans that are 14" tall but before 60 days of harvest.

Ground Application:

Apply 2-3 quarts of ALANAP-L plus 3-4 ounces of Butyrac\* 200 or Butoxone\*\* in 10-20 gallons of water per acre (broadcast rate) on soybeans. The spray boom should be positioned 18"-24" above the tops of the soybean plants or weeds and be equipped with hollow cone nozzles. Maintain a high spray pressure (40-50 psi) during application. This insures a fine spray mist for better overall coverage.

Aerial Application:

Apply 2-3 quarts of ALANAP-L plus 3-4 ounces of Butyrac 200 or Butoxone in a minimum of 5 gallons of water per acre on soybeans. Nozzle size and orientation should provide maximum droplet breakup without causing excessive drift. Do not apply by air within 50 feet of susceptible crops such as cotton, tomatoes and tobacco. For best results, use 2 quarts of ALANAP-L plus 3 ounces of Butyrac 200 or Butoxone on weeds that 10-12 inches tall such as *common cocklebur, giant ragweed, wild mustard or sunflower*. However, if these weeds are taller than 12 inches, use 3 quarts of ALANAP-L plus 4 ounces of Butyrac 200 or Butoxone. ALANAP-L plus Butyrac 200 or Butoxone if applied according to directions will control or suppress growth of above weeds reducing their competition to the soybean crop.

NOTES:

1. Use surfactant (nonionic 80-20 etc.) or COC at manufacturers recommended dosage.
2. Avoid application of this tank mix to drought stressed soybeans.
3. Do not apply the tank mix if rain is expected within 6 hours after application.
4. Applications of this tank mix should not be made when weather conditions favor drift.
5. Observe all cautions and limitations on the Butyrac 200 or Butoxone labels.

\*Butyrac 200 contains 2 lbs/gallon of 4-(2,4-dichlorophenoxy) butyric acid and is a registered trademark of Union Carbide.

\*\*Butoxone contains 1.75 lbs/gallon of 4-(2,4-dichlorophenoxy) butyric acid and is a registered trademark of Rhone-Poulenc, Inc.

**IMPORTANT NOTICE** — Seller warrants that this product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with the directions and instructions specified on the label under normal conditions of use, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use of this product, contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use.