



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (H7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number:
1812-460

Date of Issuance:
MAR - 4 2004

NOTICE OF PESTICIDE:
 Registration
 Reregistration

Term of Issuance:
Conditional

Name of Pesticide Product:
Layby 74 Herbicide

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Griffin L.L.C.
C/o DuPont Crop Protection
Stine-Haskell Research Center
P.O. Box 30
Newark, DE 19714-0030

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A) provided that you:

1. Submit the results of the one year storage stability (830.6317) and corrosion characteristics (830.6320) studies once they are available.
2. Submit/cite all data required for registration/reregistration of your product when the Agency requires all registrants of similar products to submit such data.
3. Make the labeling changes listed below before you release the product for shipment.
 - a. Add the phrase "EPA Registration No. 1812-460."
 - b. Revise your Precautionary Statements to read "Harmful if swallowed, **inhaled**, or absorbed through the skin. Causes **moderate** eye irritation. Avoid breathing spray mist. Avoid contact with eyes, skin, or clothing. Prolonged or frequently repeated skin contact may cause an allergic reaction in some individuals.
 - c. Revise the glove statement under Personal Protective Equipment (PPE) for applicators and other (other than mixers or loaders) handlers to read "Chemical-resistant gloves **made of any waterproof material such as nitrile, butyl, neoprene, and/or barrier laminate.**"

Signature of Approving Official:

Date:

3-4-04

d. Revise the last sentence of your Environmental Hazards section to read “Do not contaminate water when **cleaning of equipment or** disposing of equipment washwater and rinsate.

e. Within the list of PPE for early re-entry in the Agricultural Use Requirements box, revise the current glove statement to a requirement for “chemical-resistant gloves **made of any waterproof material**”.

f. Under Storage and Disposal add the subheading “Pesticide Storage.”

g. A 76-day PHI must be added to your label.

4. Submit two (2) copies of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of labeling is enclosed for your records.

Layby 74

Herbicide For Cotton

ACTIVE INGREDIENT:

Linuron: 3-(3, 4-dichlorophenyl)-1-methoxy-1-methylurea..... 20.3%
Diuron: 3-[3,4-dichlorophenyl]-1,1-dimethylurea..... 20.0%

INERT INGREDIENTS: 59.7%
TOTAL..... 100.0%

This product contains 2 lbs. of Linuron and 2 lbs. of Diuron per gallon.

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID	
If swallowed	<ul style="list-style-type: none"> • Call poison control center or doctor immediately for treatment advice • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 – 20 minutes. • Call a poison control center or doctor for treatment advice.
If in eyes	<ul style="list-style-type: none"> • Hold eyes open and rinse slowly and gently with water for 15 – 20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment.</p> <p>For medical emergencies involving this product, call toll free 1-888-324-7598.</p>	

ACCEPTED
with COMMENTS
In EPA Letter Dated:

MAR - 4 2004

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under EPA Reg. No.
1912-460

1/14/04

1812-

042803

Griffin LLC
Valdosta, GA 31601

EPA Reg. No. 1812-
EPA Est No. _____

Net Contents: _____

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS (AND DOMESTIC ANIMALS)
CAUTION**

Harmful if swallowed or absorbed through the skin. Causes eye irritation. May irritate nose, throat and skin. Avoid breathing spray mist. Avoid contact with eyes, skin, or clothing. Prolonged or frequently repeated skin contact may cause an allergic reaction in some individuals.

PERSONAL PROTECTIVE EQUIPMENT

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category A on an EPA Chemical resistance category selection chart.

Mixers and Loaders must wear:

- Coveralls over long-sleeved shirt and long pants
- Chemical resistant footwear
- Chemical resistant gloves, such as Nitrile, Butyl, Neoprene, and/or Barrier Laminate
- Chemical resistant apron

Applicators and other (other than mixers and loaders) handlers must wear:

- Long sleeved shirt and long pants
- Shoes and socks
- Chemical-resistant gloves (Category A)

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.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic invertebrates. 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 weather conditions favor drift from areas treated. Do not contaminate water when disposing of equipment washwater and rinsate.

Ground Water Advisory:

Linuron is known to leach through soil into ground water under certain conditions as a result of agricultural use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground-water contamination.

Surface Water Advisory:

Linuron may contaminate surface water through spray drift or under certain conditions from surface runoff into adjacent surface water bodies (ponds, lakes, streams, etc.). For several weeks post-application, linuron has a high potential to runoff when applied to fields with any of the following conditions: sloping land draining into nearby surface waters; very poorly to somewhat poorly drained soils; areas with extremely shallow ground water; frequently flooded areas; fields with surface water canals or ditches; and highly erodible land cultivated with poor management practices.

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 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 intervals. 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 24 hours.

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

- Coveralls over short-sleeved shirt and short pants
- Chemical-resistant gloves
- Shoes plus socks
- Chemical-resistant headgear for overhead exposure

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

APPLICATION RESTRICTIONS

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.

Aerial application is prohibited.

Use on sand or loamy sand soils is prohibited.

Use on soils of less than 1% organic matter is prohibited.

GENERAL INFORMATION

Layby 74 is a flowable herbicide to be mixed in water and applied as a postemergence directed spray for selective control of weeds on cotton. It is non-corrosive to equipment, non-flammable and non-volatile.

Layby 74 is used to control emerged weeds. Results vary with rate applied and environmental conditions; best results are obtained on small (<2" tall) succulent weeds growing under conditions of high humidity and temperatures of 70EF or higher. Addition of a surfactant to the spray (where recommended) increases contact effects of Layby 74.

Moisture is required to activate the chemical in the soil to provide residual weed control; best results occur if rainfall (or irrigation) occurs within 2 weeks of application.

Since the effects of Layby 74 vary with soil, uniformity of application and environmental conditions, it is suggested that growers limit their first use to small areas. Observe all caution and limitations on labeling of all products used in mixtures.

GRASSES AND BROADLEAF WEEDS CONTROLLED BY Layby 74

Layby 74 controls actively growing emerged seedlings of these weeds:

Broadleaf

- Annual morningglory
- Carpetweed
- Cocklebur
- Dayflower, common
- Dog Fennel
- Fiddleneck (amsinckia)
- Florida beggarweed
- Florida purslane
(Florida pusley)
- Groundsel
- Knawel
- Lambsquarters
- Mustard
- Nettleleaf goosefoot
- Pigweed
- Prickly sida (teaweed)
- Purslane
- Ragweed (common)
- Sesbania
- Sicklepod
- Smartweed
- Velvetleaf (buttonweed)
- Wild buckwheat

Grasses

- Barnyardgrass
(watergrass)
- Broadleaf (signalgrass)
- Canarygrass
- Crabgrass
- Fall panicum
- Foxtail (including giant)
- Goosegrass
- Rattail fescue
- Ryegrass, annual
- Texas panicum

Control of emerged weeds under drought stress is usually impractical.

APPLICATION DIRECTIONS

Layby 74 should be used **only** in accordance with recommendations on this label. Injury to or loss of desirable trees or other **plants** may result from failure to observe the following:

GROUND APPLICATION: Use a fixed-boom power sprayer calibrated to a constant speed and rate of delivery. Openings in **screens** should be equal to or larger than 50 mesh. Continuous agitation in the spray tank is required **to** keep the material in suspension. Agitate by hydraulic means. If a by-pass or return line is used **it** should terminate at the bottom of the tank to minimize foaming. Avoid overlapping of spray **swaths** and shut off spray booms while starting, turning, slowing or stopping or injury to the crop may **result**.

Use sufficient volume of water for thorough coverage of weed foliage. Always apply in a manner and under conditions favorable to avoid spray drift.

CLEANING: Equipment should be cleaned of all traces of Layby 74 immediately after use. Nozzle tips and screens should be removed and cleaned separately. Flush tank, pump, hoses and boom with several changes of water.

Equipment should not be flushed or drained or Layby 74 applied near desirable trees or other plants, or on areas where their roots may extend, or in locations where the chemical may be washed or moved into contact with their roots. Layby 74 should not be used on home plantings of trees, shrubs or herbaceous plants, lawns, walks, driveways, tennis courts or similar areas. Keep drift of dry powder or spray from desirable plants.

SPRAY PREPARATION: Mix the proper amount of Layby 74 in a volume of water adequate to provide thorough coverage of weeds, usually 10-30 gallons per acre. Where use of surfactant is recommended dilute with 10 parts of water and add as last ingredient to nearly full tank. All dosages of Layby 74 (and tank mixtures) are expressed as broadcast rates; for band treatment, use proportionately less. For example, use 1/3 of the broadcast rate when treating a 14-inch band where row spacing is 42 inches. Where a range of dosages is given, use the lower rate on lighter soil (low in clay or organic matter), and the higher rate on heavier soils (high in clay or organic matter); for postemergence application use the lower rate on smaller weeds and the higher rate on larger weeds.

SOIL LIMITATIONS: Unless otherwise directed, do not use on sand, loamy sand, gravelly soils or exposed subsoils nor on soils containing less than 1% organic matter as crop injury may result.

CROP ROTATION:

Layby 74 Type of Application	Subsequent Crops that may follow treated cotton
Band postemergence*	Any crop 4 months after last application, except for cereals, where only barley, oats, rye and wheat may be planted*
Band preemergence (other sources of diuron) plus postemergence -or- Broadcast preemergence (other sources of diuron) plus band postemergence	Cotton, soybeans, corn or grain sorghums (not sorghos or forage sorghums nor grass sorghums) the next spring. Do not replant treated areas to any other crop within 1 year after last application as injury to subsequent crops may result
Broadcast postemergence (layby)	Cotton, corn, grain sorghums (not sorghos or forage sorghums nor grass sorghums) the next spring. Do not replant treated areas to any other crop within 1 year after last application as injury to subsequent crops may result

*NOTE – other applications of diuron from additional sources applied in any manner other than band postemergence disqualifies this crop rotation option.

RECOMMENDED USES

COTTON

East of Rocky Mountains

Postemergence Directed Spray (Early Season): Apply Layby 74 1.0 pt/A as a directed or hooded/shielded spray application to cotton at least 6" tall and 1.0-1.5 pt/A to cotton at least 8" tall. Use the lower rate on smaller cotton and for control of susceptible weeds less than 2" tall. Use the higher rate on larger cotton and for control of susceptible weeds up to 2" tall.

Layby (Late Season): Apply Layby 74 as a directed or hooded/shielded sprayer application to cotton a minimum of 15" tall for control of susceptible emerged weeds up to 4" tall and residual control of germinating weeds following application according to soil type as indicated: 1.6 pt/A on coarse soils; 2 pts/A on medium soils; 2.4 pt/A on fine soils.

Application: Apply in sufficient volume, normally 10-30 gallons per acre, and in such a manner as to provide thorough coverage of weeds without contacting cotton foliage. The spray solution should be applied uniformly across the soil surface and to the base of cotton mainstems. Do not allow spray solution to contact cotton foliage as the crop will be injured. Use flat fan or similar spray tips which provide thorough coverage without producing excessive fine particles. Spray pressure should not exceed 40 psi, and on smaller cotton and where practical, should be limited to a maximum of 30 psi.

Adjuvants: For control of emerged weeds, addition of 2.0 qt of an approved agricultural non-ionic surfactant or 1.0 gal crop oil concentrate per 100 gal finished spray solution is recommended. Use of crop oil concentrate is not recommended for cotton less than 12" in height.

Tankmixes: Layby 74 may be tank mixed with other herbicides labeled for postemergence directed, hooded/shielded sprayer and/or layby applications in cotton, including MSMA, paraquat, Direx, Linex, Aim EC, and glyphosate (Roundup Ready varieties only). However, precautions and restrictions associated with each product used in tank mixtures must be followed, and the most restrictive label must be followed. Do not add surfactant or crop oil concentrate to tank mixtures containing glyphosate products which do not require the addition of a surfactant.

PRECAUTIONS and Limitations:

Do not allow livestock to graze treated cotton. Do not use on Pima varieties of cotton. The maximum cumulative rate of diuron, from all sources, that may be applied to cotton in a single growing season is 0.8 lb/A on coarse soils, 1.5 lb/A on medium soils, and 2.2 lb/A on fine soils. The maximum cumulative rate of linuron, from all sources, that may be applied to cotton in a single growing season is 1.5 lb/A. Minimum re-treatment interval is 21 days.

10/10

NOTICE TO BUYER: Purchase of this material does not confer any rights under patents of countries outside of the United States.

WARRANTY STATEMENT

GRIFFIN warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with directions under normal use conditions. 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 the manner of use or application, all of which are beyond the control of GRIFFIN.

Except as may be otherwise provided in any controlling State law, GRIFFIN shall not be liable for consequential, special or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the Buyer. The exclusive remedy of any buyer or user of this product for any and all losses, injuries, or damages resulting from or in any way arising from the use, handling, or application of this product, whether in contract, warranty, tort, negligence, strict liability, or otherwise, shall not exceed the purchase price paid for this product or at Griffin's election, the replacement of this product.

GRIFFIN MAKES NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.