

Butralin

sucker control

PEEL HERE
TO OPEN

For Control of Suckers on Tobacco

COMPOSITION:

Active Ingredient: (% by weight)

butralin [4-(1,1-dimethylethyl)-N-(1-methylpropyl)-2,6-dinitrobenzeneamine] . . . 37.3%*

Other Ingredients** 62.7%

Total: 100.0%

*butralin content = 3.0 pounds per gallon, or 360 grams per liter.

**contains petroleum distillates

KEEP OUT OF REACH OF CHILDREN DANGER / PELIGRO

Si usted no entiende la etiqueta, busque a alguien
para que se la explique a usted en detalle.

(If you do not understand this label, find someone to explain it to you in detail.)

See inside booklet for additional First Aid, Precautionary Statements,
and Directions for Use

For PRODUCT USE INFORMATION: Call 1-866-761-9397

EPA Reg. No. 33688-4-400

(BD) EPA EST No. 037429-GA-002

(CD) EPA EST. No. 070815-GA-001

(MK) EPA EST No. 089332-GA-002

The EPA Establishment Number is identified by the circled
letters that match the first two letters in the batch number.

007/030411a

505652-B

FIRST AID

IF IN EYES:	<ul style="list-style-type: none">• Hold eye 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 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 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 by mouth-to-mouth, if possible.• Call a poison control center or doctor for further treatment advice.
NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. May pose an aspiration pneumonia hazard.	
EMERGENCY ASSISTANCE: Have the product container or label with you when calling a poison control center or doctor, or going for treatment. FOR 24-HOUR MEDICAL EMERGENCY ASSISTANCE CALL PROPHARMA: 1-866-303-6952 or +1-651-603-3432. FOR 24-HOUR CHEMICAL EMERGENCY (Spill, leaks, fire, exposure or accident) CALL CHEMTREC: 1-800-424-9300 or +1-703-527-3887.	

Distributed by:

Macdermid Agricultural Solutions, Inc.

245 Freight Street

Waterbury, CT 06702-1818

NET CONTENTS: 1 GALLON

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: CORROSIVE. Severe eye irritant. Causes irreversible eye damage. Harmful if swallowed or absorbed through skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Do not get in eyes, on skin or on clothing.

Personal Protective Equipment (PPE):

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

Applicators and Other Handlers Must Wear: Long-sleeved shirt and long pants; chemical-resistant gloves, such as Viton \geq 14 mils; shoes plus socks; protective eyewear when mixing, loading and applying this product. 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 and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-5)], 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 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

This product 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. Direct contamination of any body of water may kill fish and aquatic organisms. Do not contaminate water for irrigation or domestic purposes by cleaning of equipment or disposal of wastes. Use coarse spray only, directed down tobacco stalk. Do not use fine sprays. Avoid drift to adjacent crops as injury may result.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame. Do not store below 25°F.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read all label directions carefully before use.

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

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 12 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; chemical-resistant gloves, such as barrier laminate or Viton; shoes plus socks; protective eyewear.

FOR USE ON TOBACCO

GENERAL

BUTRALIN Sucker Control is a plant growth regulator for control of suckers on tobacco, including flue-cured, air-cured (burley, Maryland, and cigar-types) and dark types. This product is most effective when applied with ROYAL MH-30® or other maleic hydrazide products. Consult with your local Extension Service tobacco specialist for recommended treatments for your area.

BUTRALIN Sucker Control mixes readily with water to form a yellow, creamy emulsion. If a spray mixture is allowed to stand several hours, agitate thoroughly before resuming treatments.

See APPLICATION NOTES for additional important information.

APPLICATION EQUIPMENT

BUTRALIN SUCKER CONTROL MAY BE APPLIED WITH MOTORIZED FIELD SPRAYERS (HIGH-CLEARANCE OR TRACTOR MOUNTED) EQUIPPED WITH SOLID CONE NOZZLES THAT DELIVER A COARSE SPRAY. For example, a three solid-cone nozzle arrangement directed over the row, operating at 20 to 30 psi, delivers a coarse spray that runs down the stalk and wets suckers in the leaf axils.

This product may also be applied to individual plants by using a hand-held dropline, a knapsack sprayer, or jug application.

All sprayers should be equipped with a pressure regulator and pressure gauge.

APPLICATION TIMING

Apply this product alone or in a tank mix with ROYAL MH-30 or other maleic hydrazide product when tobacco plants are in the elongated button to early flower stage. Top leaves to be harvested should be at least 8 inches long at treatment time. All suckers greater than 1 inch long should be removed by hand prior to treating with this product. Any suckers that were shielded and escaped treatment should be removed by hand two to three weeks after treatment.

ON FLUE-CURED TOBACCO, apply **BUTRALIN** Sucker Control 5 to 7 days after the last fatty alcohol contact treatment.

ON BURLEY TOBACCO, **BUTRALIN** Sucker Control may be applied just before or immediately after topping.

Sucker control may not be consistent within a field if tobacco plants are not uniform when treated.

DO NOT HARVEST FIRST LEAVES FOR AT LEAST 7 DAYS AFTER TREATING FLUE-CURED TOBACCO AND AT LEAST 30 DAYS AFTER TREATING AIR-CURED (BURLEY, MARYLAND AND CIGAR TYPES) AND DARK TYPES OF TOBACCO.

APPLICATION RATE

When using motorized sprayers or hand-held droplines, mix 3 to 4 quarts of **BUTRALIN** Sucker Control alone or 2 to 4 quarts of this product in a tank mix with ROYAL MH-30 or other maleic hydrazide product at the labeled rate, in 50 gallons of water for each acre to be treated. Use the higher **BUTRALIN** Sucker Control rate in seasons when sucker pressure is heavier. At this volume per acre, the amount of spray mixture per plant should be sufficient to run down the entire stalk contacting all leaf axils and sucker buds.

When applying this product using the knapsack sprayer or jug method, mix 2.0 to 2.5 fluid ounces of **BUTRALIN** Sucker Control per gallon of water and apply about one-half fluid ounce of spray mixture per plant. One gallon of spray mixture should treat about 250 plants.

APPLICATION METHOD, BY TOBACCO TYPE

For all application methods, excess mixture should not be allowed to reach the ground line and puddle around the base of each plant.

A. TANK MIXES OR SINGLE TREATMENT PROGRAMS

Before using any tank mix combination, carefully read and follow the label directions of all products used.

Flue-Cured Tobacco

To control suckers on flue-cured tobacco, begin with a standard fatty alcohol contact program. Five to 7 days after contacts, apply a tank mix of 3 quarts of **BUTRALIN** Sucker Control plus 1.5 to 2.0 gallons of ROYAL MH-30 (or other maleic hydrazide product at label rate) in 50 gallons of water per acre. Apply as a coarse spray to get rundown on the stalk.

Air-Cured Tobacco (burley, Maryland, cigar)

On heavy suckering varieties or when extended sucker control is desired, to reduce escapes, use a tank mix of **BUTRALIN** Sucker Control at 2 quarts plus ROYAL MH-30 at 1.5 to 2.0 gal/A (or other maleic hydrazide product at label rate) in 50 gallons of water per acre. Use the higher rate of maleic hydrazide when tank mix is to be applied to 14L8, 2110, or other heavy suckering varieties. Apply as a coarse spray to get rundown on the stalk. Apply within 24 hours after topping.

If this product is used alone, apply 3 to 4 quarts in 50 gallons of water per acre, just before or immediately after topping. Apply as a coarse spray to get rundown on the stalk. Use the higher rate in seasons when sucker pressure is heavier.

Dark Tobacco

To control suckers on dark types, apply 3 to 4 quarts of **BUTRALIN** Sucker Control in 50 gallons of water as a single application just before or after topping. Apply as a coarse spray to get rundown on the stalk. Use the higher rate in seasons when sucker pressure is heavier.

On heavy suckering varieties or when extended sucker control is desired, use a tank mix of **BUTRALIN** Sucker Control at 2 quarts plus ROYAL MH-30 at 1.5 to 2.0 gal/A (or other maleic hydrazide product at label rate) in 50 gallons of water per acre. Use the higher rate of maleic hydrazide when the tank mix is to be applied to known heavy suckering varieties. Apply as a coarse spray to get rundown on the stalk. Apply within 24 hours after topping.

B. SEQUENTIAL TREATMENT PROGRAMS

Flue-Cured Tobacco

WHEN APPLIED BEFORE MALEIC HYDRAZIDE TREATMENT:

Apply 3 quarts of this product in 50 gallons of water per acre at the elongated button to early flower growth stage. Apply as a coarse spray. Five to seven days later, make an application of ROYAL MH-30 or other maleic hydrazide product according to label directions.

WHEN APPLIED AFTER MALEIC HYDRAZIDE TREATMENT:

Apply contact sucker chemicals, followed by ROYAL MH-30 or other maleic hydrazide product according to label directions. About 3 weeks later, apply **BUTRALIN** Sucker Control at 3 quarts in 50 gallons of water per acre. Apply as a coarse spray to get rundown on the stalk.

APPLICATION NOTES

1. Use BUTRALIN Sucker Control and maleic hydrazide products only once per season, whether in combination or in sequence.
2. Rain occurring more than two hours after these treatments should not affect the effectiveness of this product. Refer to labels of tank mix partner products for any additional rainfree precautions.
3. This product is most effective when the spray contacts the sucker buds directly. In fields where tobacco plants are lodged or leaning, plants should be straightened prior to treatments, so spray mixture runs down the stalk evenly and contacts all sucker buds.
4. Applying treatments to wet plants immediately after heavy rain or when there is heavy dew is not recommended.
5. Plants that are under drought stress when treated may not respond to sucker control products properly.
6. Applying treatments on windy days is not recommended, as sprays may not be deposited uniformly on the leaf axils and sucker buds.
7. Immature leaves that are less than 8 inches long at the time of treatment with this product may develop cupped or curled appearance.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Do not store near fertilizers, seeds, insecticides or fungicides. Store in original container only. After partial use, replace lid and close tightly. Store in a secure place that is temperate and dry. Do not store below 25°F. Do not store under conditions which might adversely affect the container or its ability to function properly.

PESTICIDE 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.

CONTAINER DISPOSAL:

Nonrefillable Containers 5 gallons or less:

Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. **Triple rinse as follows:** Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer container for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities. Plastic containers are also disposable by incineration or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Recycling:

Once cleaned, some agricultural plastic pesticide containers can be taken to a container collection site or picked up for recycling. To find the nearest site, contact your chemical dealer or manufacturer, or contact the Ag Container Recycling Council (ACRC) at 1-877-952-2272 (toll free) or www.acrecycle.org.

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 conditions not reasonably foreseeable to seller, and to the extent consistent with applicable law, the buyer assumes the risk of any such use.**

MH-30® is a registered trademark of MacDermid Agricultural Solutions, Inc.

“BUTRALIN Sucker Control” is a product of NuFarm, S.A. (U.S. Affiliate-Nufarm Americas, Inc.).

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