

7-11-71

### EQUIPMENT AND MIXING

On all large areas use fixed boom power sprayers to be sure of an even rate of application. Calibrate equipment before spraying to find the amount of water needed to evenly cover the area to be treated. Mix the recommended weight of Monuron Wettable Powder into the proper volume of water. Agitator must be kept going until the material is sprayed out. Agitate by mechanical method or use a vacuum return line which ends at bottom of tank to reduce foaming. Do Not use an agitation. Openings in spray screens should be no smaller than 3/8 inch. A sprinkling can or small tank type sprayer can be used for small areas for control of weeds. Keep suspension mixed by shaking or stirring frequently.

### NON-CROP AREAS

Many annual and perennial grasses and broadleaf weeds in non-crop areas can be controlled to maintain bare ground where desired. The amount of Monuron used, the type of soil and amount of rainfall will determine the degree and length of time control will last.

Control can be obtained by pre-emergence treatment at any time except when the ground is frozen. Best results will be obtained if applied shortly before or at the time plant growth begins. Rain or thorough watering after application will cause the material to move to the root zone and thus speed up control.

Increased effectiveness on established weeds can be obtained by the addition of a surfactant to the spray mixture. Use a sprayer which will distribute the required amount evenly over the area to be treated. Use a coarse, drenching spray to reduce drift. Application may be made when top growth is dense, but better control will be obtained when weeds are short or when excess growth is mowed and removed before applying.

**GENERAL WEED CONTROL. For use on Non crop land such as Right-of-Ways, Industrial Plants, Lumber Yards, Tank Farms, Storage Areas, and Parking Lots** for control of most annual weeds use 5 to 20 pounds per acre. For perennial weeds use 20 to 60 pounds per acre.

When a longer period of control is needed, or when Johnsrass or other deep-rooted perennials are present, up to 80 pounds per acre and additional treatments may be needed. In areas of low rainfall control of deep-rooted perennials may not be possible with this product.

For small areas, use one half cupful per 100 square feet. This equals about 50 pounds per acre.

**IRRIGATION AND DRAINAGE DITCHES:** For most annual and perennial weeds use 40 to 100 pounds per acre, 1 to 2 1/2 pounds per 1000 square feet. For irrigation ditches apply only in the non-crop season and when the ditch is not in use but soil is moist. If ditch is not moist wet it down before treating. To reduce the movement of Monuron with irrigation water (to avoid possible crop injury) the weed killer must be fixed in the soil by moisture. Apply before expected seasonal rainfall, when soil in ditch is still moist. If rainfall has not totaled at least 4 inches after treatment, fill ditch and allow to stand for 72 hours; remaining water should be drawn off and wasted before using ditch.

**NOTE:** Do Not use in ditches into which tree or other desirable plant roots extend. Do Not contaminate domestic water or water to be used for livestock.

### SELECTIVE USE IN CROPS

For control of weed seedlings, such as annual morning glory, chickweed, crabgrass, foxtail, Johnsongrass, lambsquarters, pigweed, purslane, ragweed, Spanish needle, watergrass and wild mustard in certain crops. Before using this product get rid of any weeds that have become established by mechanical or other means.

For best results the soil should be well prepared and free from trash and clods. Do Not disturb or cultivate the surface of the soil after application unless specifically directed, as effectiveness may be reduced and crop may be injured. Rain or irrigation after application is needed to move the Monuron to the roots and thus speed up control. Application should be made to the surface of the soil with a fixed boom power sprayer which has been carefully cleaned and adjusted to apply the proper amount per acre. Use enough water (25 to 40 gallons per acre) to give even coverage of the area.

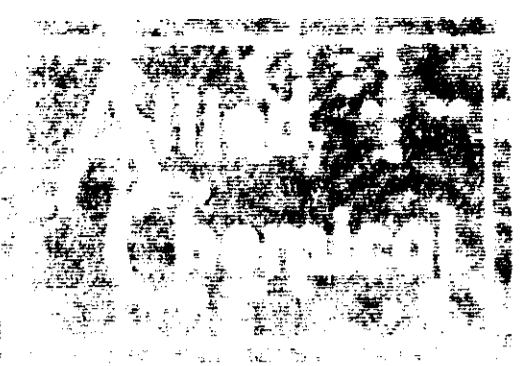
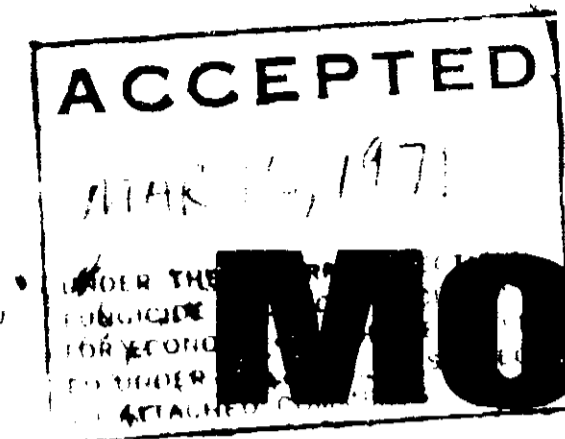
The rates given in the following directions are for broadcast application. When band treatment is recommended, use in proportion to the area to be treated. **Example:** If crop is planted on 42 inch centers and a 14 inch band is treated, only 1/3 of the area will be treated; therefore, only 1/3 of the amount recommended for broadcast application should be used.

Do Not allow sprayer to run while stopping, starting, slowing or turning as otherwise extra Monuron will be applied and injury to the crop may result.

**NOTE:** Do Not replant treated areas to any crops (unless specifically directed) within two years after last application as injury to later crops may result.

NET WEIGHT

50 POUNDS



# MONURON

WETTABLE POWDER WEED KILLER

CODE 9930

USDA Reg. No. 218-642

**ACTIVE INGREDIENT:**  
Monuron (3-(p. chlorophenyl)-1-dimethylurea) 80%  
**INERT INGREDIENTS:** 20%

— Keep out of reach of children

MAY CAUSE IRRITATION OF EYES, NOSE, THROAT AND SKIN.

Avoid breathing dust or spray mist.

Avoid contact with skin, eyes, and clothing.

**NOTE:** Do Not apply (except as recommended for crop use), allow to drift or drain or flush equipment onto or near croplands, lawns, trees or other desirable plants or to areas where their roots may extend. Do not allow contact with fertilizers, insecticides, fungicides or seeds. Application equipment should be thoroughly cleaned with water. Equipment which has been used to apply this product should not be used for applying insecticides, fungicides, fertilizers or other agricultural chemicals as plant injury may result. Do Not contaminate water used for domestic purposes. Do Not use on lawns, walks, driveways, tennis courts, or similar areas.

DO NOT RE-USE THIS CONTAINER

Destroy by burying in a safe place. Do not burn.



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MORRISTOWN, N. J., U. S. A.

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9930  
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PRINTED IN U.S.A.

**SUGAR CANE:** Before field use of Monu Do Not treat where crop is growing on spray to avoid chlorosis, do not spray

**SUGAR CANE IN HAWAII AND PUERTO R** after harvesting plant (ratoon crop)

One or two additional sprays at 2 Do Not make more than 3 applications, and harvest. Pineapple or sugar cane c

**SUGAR CANE IN LOUISIANA:** For use on in a single application either in fall or

Fall (August through October) Afte

Spring (January through April) Afte come up. If cane has come up treat cane plants. Use the higher rate o

Do Not use on light (sandy or low organ

**SUGAR CANE IN FLORIDA:** On soils with treatment. Apply before weeds emerge between the rows at the rate of 2 pou than 6 pounds per crop cycle. Do Not t

**PINEAPPLE IN HAWAII:** Right after plan vesting plant crop; for ratoon crop use can be made either broadcast or on inte Additional applications of 2 pounds per broadcast sprays (no more than 12 pot plant crop. Pineapple or sugar cane ma

**COTTON (Lay-By) IN ARIZONA AND SCUTI AREAS OF THE MID-SOUTH:** Do Not use acre on the heavier soils and 1 pound between the rows. Avoid contact with c ately after the last cultivation. Best we The surface of the soil over the row mu more than 1/2 pounds per acre. Do Not following last application as other crops

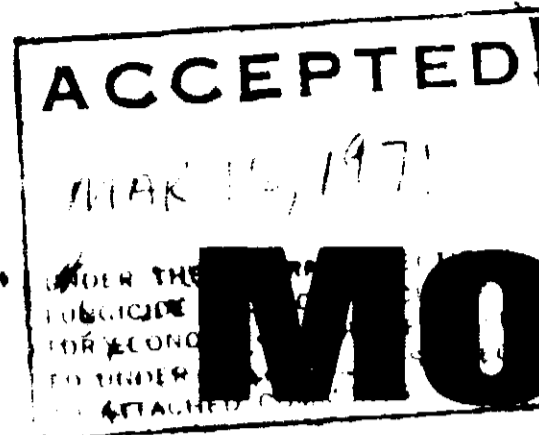
**ASPARAGUS:** Do Not apply to newly seed as severe injury may result. Use 1 to 2 pounds per acre in soils high in clay o one season but do not exceed 3 pounds than 4 weeks before spears emerge and period, application may be delayed but s immediately following harvest provided i of 4 pounds in late November or Decem

**ORANGES, LEMONS AND AVOCADOS IN CA** in groves for at least one year. Do Not home plantings. Apply in late fall and v application of 3 to 4 pounds per acre fo give good weed control. A split applicati be used in place of the above schedule.

Follow directions carefully. Timing and specifically recommended, and other influ all risks of use, storage or handling of

NET WEIGHT

50 POUNDS



# MONURON

WETTABLE POWDER WEED KILLER

CODE 9930

U. S. PAT. NO. 2,818,840

**ACTIVE INGREDIENT:**

Monuron (3-(p-chlorophenyl)-1,1-dimethylurea)

80%

**INERT INGREDIENTS:**

20%

— Keep out of reach of children

**MAY CAUSE IRRITATION OF EYES, NOSE, THROAT AND SKIN.**

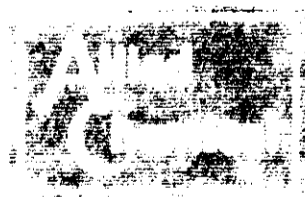
**Avoid breathing dust or spray mist.**

**Avoid contact with skin, eyes, and clothing.**

**NOTE: Do Not apply (except as recommended for crop use), allow to drift or drain or flush equipment onto or near croplands, lawns, trees or other desirable plants or to areas where their roots may extend. Do not allow contact with fertilizers, insecticides, fungicides or seeds. Application equipment should be thoroughly cleaned with water. Equipment which has been used to apply this product should not be used for applying insecticides, fungicides, fertilizers or other agricultural chemicals as plant injury may result. Do Not contaminate water used for domestic purposes. Do Not use on lawns, walks, driveways, tennis courts, or similar areas.**

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SUGAR CANE

SUGAR CANE IN HAWAII

SUGAR CANE IN MISSISSIPPI

Spring

**SUGAR CANE IN FLORIDA**

Apply before weed emergence after planting. Apply 4 to 8 pounds per acre as a broadcast spray. After harvesting plant crop (for ratoon crop use 4 pounds per acre) before differentiation a second and third application can be made either broadcast or on interspaces at 2 pounds per acre. At least 2 months interval must be allowed between treatments. Additional applications of 2 pounds per acre may be made as needed to interspaces of plant crop only. Do not apply more than 3 broadcast sprays, no more than 12 pounds per acre, before differentiation nor more than 16 pounds of this product per acre per plant crop. Pineapple or sugar cane may be planted on treated areas one year after last application.

**PINEAPPLE IN HAWAII** Right after planting, before weed emergence, apply 4 to 8 pounds per acre as a broadcast spray. After harvesting plant crop (for ratoon crop use 4 pounds per acre) before differentiation a second and third application can be made either broadcast or on interspaces at 2 pounds per acre. At least 2 months interval must be allowed between treatments. Additional applications of 2 pounds per acre may be made as needed to interspaces of plant crop only. Do not apply more than 3 broadcast sprays, no more than 12 pounds per acre, before differentiation nor more than 16 pounds of this product per acre per plant crop. Pineapple or sugar cane may be planted on treated areas one year after last application.

**COTTON (Lay-By) IN ARIZONA AND SOUTHERN CALIFORNIA (ALSO ONLY ON HEAVY SOILS IN TEXAS, NEW MEXICO, OKLAHOMA AND DELTA AREAS OF THE MID-SOUTH):** Do Not use on light (sandy or low organic) soils as cotton plants may be injured. Apply 1 1/2 pounds per acre on the heavier soils and 1 pound per acre on lighter soils. Spray must be directed at the soil, under the cotton plants and between the rows. Avoid contact with cotton plants. Do Not apply until cotton plants are 20 inches high. Make application immediately after the last cultivation. Best weed control is gained in irrigated cotton, if field is irrigated within 3 to 4 days after spraying. The surface of the soil over the row must be thoroughly wet to carry the Monuron to the roots of the germinating weeds. Do Not use more than 1 1/2 pounds per acre. Do Not plant crops other than cotton, corn or grain sorghum (not other sorghums) within one year following last application as other crops may be injured.

**ASPARAGUS:** Do Not apply to newly seeded asparagus, to young plants for one season after setting nor to plants with roots exposed, as severe injury may result. Use 1 to 2 pounds per acre on light sandy soils and soils low in clay or organic matter. Use 2 to 4 pounds per acre on soils high in clay or organic matter. Apply as a broadcast or band treatment. Two applications can be made in one season but do not exceed 3 pounds per acre per application. Make first application before weeds become established, no earlier than 4 weeks before spears emerge and no later than early cutting periods. If weeds are controlled by cultural means into the cutting period, application may be delayed but should be made immediately after the last cultivation. The second application should be made immediately following harvest provided rainfall is expected. In the State of Washington (irrigated crop) apply only a single treatment of 4 pounds in late November or December.

**ORANGES, LEMONS AND AVOCADOS IN CALIFORNIA (except Imperial and Coachella Valleys):** Do Not use under trees unless established in groves for at least one year. Do Not allow spray or drift to contact foliage or fruit. Direct spray only at ground. Do Not apply to home plantings. Apply in late fall and winter, right after grove has been laid up in final form (non-tillage program). Make a single application of 3 to 4 pounds per acre for a first treatment. In following years annual applications of 2 to 3 pounds per acre should give good weed control. A split application of 2 pounds per acre in October or November and the same amount in March or April can be used in place of the above schedule. Do Not use on light soils (loamy sand or sand) as trees may be injured.

Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended, and other influencing factors in the use of this product are beyond the control of the seller. Buyer assumes all risks of use, storage or handling of this material not in strict accordance with directions given herewith.