

<p>U.S. ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (WH-567) WASHINGTON, D.C. 20460</p> <p>NOTICE OF PESTICIDE: <input checked="" type="checkbox"/> REGISTRATION <input type="checkbox"/> REREGISTRATION</p> <p>(Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)</p>	<p>EPA REGISTRATION NO. 45639-101</p>	<p>DATE OF ISSUANCE 11/21/84</p>
<p>TERM OF ISSUANCE</p>		<p>NAME OF PESTICIDE PRODUCT Conditional Anton CF</p>
<p>NAME AND ADDRESS OF REGISTRANT (Include ZIP code)</p> <p>Nor-Am Chemical Company 3500 Silverside Rd. P.O. Box 7495 Wilmington, DE 19803</p>		
<p>NOTE: Changes in labeling formula 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 U.S. EPA registration number.</p>		
<p>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.</p> <p>A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.</p> <p>Registration is in no way to be construed as an indorsement or approval of this product by this 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.</p> <p>This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:</p> <ol style="list-style-type: none"> 1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data. 2. Make the labeling changes listed below before you release the product for shipment: <ol style="list-style-type: none"> a. Add the phrase "EPA Registration No. 45639-101". b. The EPA Establishment Number must appear on the label or immediate container. c. Add "...except as specified on this label," to the Environmental Hazard, "Do not apply directly to any body of water." d. Change the restriction on page 2 to read: <p style="margin-left: 40px;">Do not graze or feed treated crop, forage, or hay to livestock. The treated crop is to be used only for seed production.</p> e. In the Posting Requirement Notice delete "[greenhouse]" since it is inappropriate for this use. <p><input checked="" type="checkbox"/> ATTACHMENT IS APPLICABLE</p>		
<p>SIGNATURE OF APPROVING OFFICIAL <i>James M. Stone</i></p>	<p>DATE 11/21/84</p>	

3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 Enclosure for a further description of final printed labeling.

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

Richard F. Mountfort
Product Manager (23)
Fungicide-Herbicide Branch
Registration Division (TS-767)

Enclosure

ANTOR[®] GS

EMULSIFIABLE SOLUTION

with comment
NOV 21 1984
This is the Federal Insecticide, Fungicide, and Rodenticide Act as amended, and this product is registered under
EPA Reg. No. 45639-101

Herbicide for Selective Weed Control in Bermudagrass Grown for Seed

Active Ingredients	Percent by Weight
Diethyl ethyl: [N-(chloroacetyl)-N-(2,6-diethylphenyl) glycine, ethyl ester]	43.3
Inert Ingredients	56.7
EPA Reg. No. 45639	100.00

This product contains 4 lbs. active ingredient per gallon.

KEEP OUT OF REACH OF CHILDREN

WARNING

STATEMENT OF PRACTICAL TREATMENT

If swallowed: Do not induce vomiting. Call a physician immediately. See "Note to Physician."

If in eyes: Flush with plenty of water. Get medical attention.

If on the skin: Wash skin with soap and plenty of water.

NOTE TO PHYSICIAN — Contains monochlorotoluene solvent.

SEE SIDE PANELS FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

PRECAUCION AL USARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

NET CONTENTS 30 GALLONS

Sold by: NOR-AM CHEMICAL COMPANY
Wilmington, DE 19803 U.S.A.

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling. Read entire Directions for Use and Disclaimer of Warranties before using this product.

GENERAL INFORMATION

ANTOR GS is an effective preemergence herbicide for use in established bermudagrass grown for seed (Cynodan dactylan). ANTOR GS controls germinating weeds only after shoot and root absorption. It should be applied in the irrigation water (water run) prior to weed germination.

WEED SPECIES CONTROLLED:

Annual Grass Weeds

Sprangletop

Leptochloa spp.

Watergrass

Echinochloa oryzoides

Canarygrass

Phalaris spp.

Annual Broadleaf Weeds

Redroot pigweed

Amaranthus retroflexus

APPLICATION RATE

Spring Application:

For early season weed control meter 2.0-4.0 quarts per acre of Antor GS into the irrigation water of established bermudagrass prior to weed emergence. Use the higher rate for extended residual control, heavy weed pressure, or on heavy soil types. Refer to the flow chart and sample calculation in the appendix for additional information.

Spring and Summer Application:

For control of weeds in both the spring and early summer months, meter Antor GS at a rate of 2.0 quarts per acre in the first spring irrigation followed by a second application in 6-8 weeks of 2.0 quarts per acre applied into the irrigation water. Refer to the flow chart and sample calculation in the appendix for additional information.

Fall Application:

For control of cool season winter weeds, meter 2.0-4.0 quarts per acre of Antor GS into the irrigation water prior to weed emergence. Application timing may coincide with the last irrigation of the year. Use the higher rate for extended residual control, heavy weed pressure or on heavy soil types. Refer to the flow chart and sample calculation in appendix for additional information.

Application made after weed emergence may result in unacceptable weed control.

APPLICATION METHOD

Type of device:

The constant flow device is recommended for metering Antor GS into the irrigation water for water-run applications of border type flood irrigation. This device is not recommended for other types of irrigation systems.

The necessary hardware is a length of pipe to reach from the chemical drum to just above the water level. A petcock valve, screen to prevent particles from clogging the flow orifice and a coupling to hold the orifice disc in place. Once the flow has begun by opening the petcock, open the venting petcock above the T coupler. This forms a constant head siphon, the flow rate governed by the orifice aperture.

Set up and Calibration:

Set the Antor GS drum on planks over the ditch with the constant flow device pointed downward. Place the drum behind a gate or near some structure where there is turbulence for mixing of the herbicide. Start the herbicide flow to commence with the start of the irrigation cycle calibrated to finish with the end of the irrigation period.

To calibrate, estimate the length of time of the irrigation and number of acres to be treated. Calculate the flow rate for the amount of Antor GS to be applied and check the flow chart for the appropriate size orifice. (Refer to flow rate chart and sample calculation in Appendix). Select the appropriate orifice and measure the flow of herbicide for 1 minute in the measuring cup. Compare this to your calculations and adjust the orifice accordingly so that the correct amount is metered during the irrigation cycle. Tail water (run-off) from flood irrigation should be re-circulated or controlled so that it does not leave the field.

Flow Rates For Antor GS Using Various Tee Jet Orifices**

Tee Jet Orifice	CC Per Minute	Ounces Per Minute	Tee Jet Orifice	CC Per Minute	Ounces Per Minute
.015	10	.34	.048	105	3.55
.016	11	.37	.049	116	3.92
.018	14	.47	.051	122	4.13
.020	18	.61	.052	128	4.33
.022	23	.78	.054	139	4.70
.024	25	.85	.055	147	4.97
.026	34	1.15	.057	156	5.27
.028	38	1.28	.059	169	5.71
.030	44	1.49	.061	177	5.98
.032	48	1.62	.063	188	6.36
.034	55	1.86	.065	196	6.63
.035	59	1.99	.067	211	7.13
.037	63	2.13	.070	237	8.01
.040	76	2.60	.075	273	9.23
.041	80	2.71	.080	302	10.21
.043	86	2.91	.086	339	11.46
.045	95	3.21	.093	384	12.98
.046	98	3.31	1.03	477	16.13

** Figures were taken at 60°F and are approximate.
 Occasionally check to measure flow in the field to make sure you have
 the correct orifice and because rates vary with temperatures.

Sample Calculation

The following sample calculation is appropriate for Antor GS applied as water-run with a constant flow device in bermudagrass grown for seed.

1. Size of block to be watered in one irrigation setting.
eg. 10 acres
2. Antor GS rate per acre.
eg. 2 quarts
3. Total amount of Antor GS to be applied to 10 acre block.
eg. 2 qts/A x 10 acres = 20 quarts
4. Amount of time to irrigate the 10 acre block.
eg. 3 hours
5. Amount of Antor GS applied per hour.
eg. 20 qts ÷ 3 hours = 6.67 quarts/hr.
6. Ounces of Antor GS applied per hour.
eg. 6.67 qts/hr x 32 oz/qt = 213.4 oz./hr.
7. Ounces of Antor GS applied per minute.
eg. 213.4 oz/hr ÷ 60 min/hr = 3.56 oz/min.
8. Cubic centimeters (CC) of Antor GS per minute.
eg. 3.56 oz/min x 29.6 ml/oz. = 105.37 ml/min.
9. Check flow chart for flow rate.
eg. 105.37 ml/min. ≈ orifice No. 0.48
10. Always calibrate the orifice before beginning because of differences in orifice flow rate.

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GENERAL USE PRECAUTIONS

Do not apply ANTOR GS more than three times per season.

Apply ANTOR GS to bermudagrass which has been established for a minimum of 4 months. If applied earlier, crop injury may occur.

Take steps to insure that tail water does not reach other crops.

RESTRICTION

Do not feed treated crop, forage, or hay to livestock.

POSTING REQUIREMENTS

Areas being treated with pesticides applied through irrigation systems must be posted at the usual entrances to the area, at bulletin boards where workers assemble and where the treated area lies adjacent to roads, residential areas, or any other areas such as schools, parks or other public facilities. Posted signs must be legible from 25 feet away and be printed in English and any other appropriate language such as Spanish. Signs must be posted prior to application, during application and for at least one week after application, but may remain in place indefinitely. The sign must indicate the following:

NOTICE

Pesticides are applied in irrigation water in this field (greenhouse).

Do not enter this field (greenhouse) when the irrigation system is operating.

Do not drink, bathe in or play in water or in furrows, puddles, ponds, canals or ditches associated with this irrigation system.

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PRECAUTIONARY STATEMENTS

Hazards to Humans
(and Domestic Animals)

WARNING

The active ingredient in Antor may cause skin sensitization reactions in certain individuals. Wear coveralls and gloves while handling or using this product. Causes substantial but temporary eye injury. Harmful if swallowed. Do not get in eyes or on clothing. Wear goggles, face shield, or safety glasses when handling. Wash thoroughly with soap and water after handling. Avoid breathing of spray mist. Avoid contamination of food.

ENVIRONMENTAL HAZARDS

Do not apply directly to any body of water.
Do not apply when weather conditions favor drift from areas treated.
Do not contaminate water by cleaning of equipment or disposal of wastes.

PHYSICAL OR CHEMICAL HAZARDS

Do not use, pour, or store near heat or open flame.

STORAGE AND DISPOSAL

STORAGE

Protect ANTOR GS from freezing.
Open dumping is prohibited.

PESTICIDE DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Pesticide wastes are toxic. 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

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.

DISCLAIMER OF WARRANTIES: THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, WHICH EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of NOR-AM Chemical Company is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. UNDER NO CIRCUMSTANCES SHALL NOR-AM CHEMICAL COMPANY BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM FAILURE TO USE THIS PRODUCT IN ACCORDANCE WITH LABEL DIRECTIONS.