| NOTICE OF PESTICIDE: RESISTRATION | NAME OF PESTICIDE PRODUCT |
|--|---|
| (Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended) | Clando San 150 0 |
| NAME AND ADDRESS OF REGISTRANT (Include ZIP code) | |
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| IGDA' Riotechnology, Inc. | · |
| 9116 Ped Pranch Road | |
| Columbia, 20 21045 | |
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| NOTE: Changes in labeling formula differing in substance fro submitted to and accepted by the Registration Division prior product always refer to the above U.S. EPA registration numb | to use of the label in commerce. In any correspondence on this |
| On the basis of information furnished by the registrant, the at the Federal Insecticide, Fungicide, and Rodenticide Act. | bove named pesticide is hereby Registered/Reregistered under |
| A copy of the labeling accepted in connection with this Regi | stration/Reregistration is returned herewith. |
| health and the environment, the Administrator, on his motion, icide in accordance with the Act. The acceptance of any name | or approval of this product by this Agency. In order to protect may at any time suspend or cancel the registration of a pest- e in connection with the registration of a product under this exclusive use of the name or to its use if it has been covered |
| • | registere in accordance with FTFWA |
| section $3(c)(?)(A)$ provided that you | 1; |
| | red for registration/reredistration |
| or your product under FIPPA section registrants of similar products to a | 3(c)(f) when the Adency requires all |
| | ration Mo. 58200-11" to your label before |
| you release the product for shipment | |
| | your final printed labelies before you |
| release the product for shipment. I description of final printed labeling | Refer to the A-70 enclosure for a further |
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| | Susan Jewis Acting Product Manager (31) |
| | Publicide-Perticide Franch |
| | Pedistration Division (PDS(SC) |
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| ATTACHMENT IS APPLICABLE | BEST AVAILABLE COPY |
| SIGNATURE OF APPROVING OFFICIAL | DATE |
| PA Page 9579.4 (Page 8.74) | |

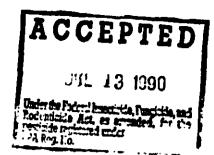
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IGI*

IGENE Biotechnology, Inc.

CLANDOSAN® 1500

CHITIN NEMATICIDE



FOR ORNAMENTALS AND LAWN AND TURF GRASSES
[FOR AGRICULTURAL CROPS]

U.S. PATENT NO. 4,536,207 OTHER U.S. AND FOREIGN PATENTS PENDING

> EPA EST. 33560-TN-1 EPA REG. NO. 58200-0

KEEP OUT OF REACH OF CHILDREN

CAUTION

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Avoid contact with eyes. Use eye protection when handling this product.

STATEMENT OF PRACTICAL TREATMENT:

In case of contact with eyes, immediately flush eyes with plenty of water. Get medical attention if irritation persists.

ACTIVE INGREDIENTS:

Chitin (Poly-N-acetyl-D-glucosamine)-Protein . . . 17.3% INERT INGREDIENTS:
Organic Buffer, Urea and Minerals 82.7%

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The IGI logo and ClandoSan[®] 1500 are trademarks
of IGEME Biotechnology, Inc.

PROMT PANEL (CONTINUED)

NET WEIGHT 50 LBs. (22.7 Kg)

IGI*

IGENE Biotechnology, Inc. 9110 Red Branch Road Columbia, Maryland 21045 1-800-346-6421

BACK PANEL - RIGHT COLUMN

DIRECTIONS FOR USE

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

For biological control of all plant-pathogenic nematodes.

APPLICATION METHODS:

PRE-PLANT SOIL INCORPORATION

ClandoSan® 1500 should be tilled, on a broadcast or band basis, or otherwise thoroughly mixed into soil 2-4 weeks before planting to stimulate proliferation of actinomyces and other soil microorganisms, which are responsible for the "earthy aroma" of freshly plowed fields.

For broadcast and band application under field, home garden and nursery conditions, the product should be tilled to a depth of 6-8 inches below the surface where plant roots commonly extend and where plant pathogenic nematodes tend to proliferate. The same equipment may be used for both band and broadcast applications.

For bulk soil treatment in greenhouse, home garden and nursery situations, soil should be sieved to remove large particles and crop debris and then blended with ClandoSan® 1500 in an appropriate mixer to assure homogenization with little or no segregation of particles.

POST-PLANT SURFACE APPLICATION

For post-plant surface application to lawns, turfgrasses, sod farms, golf course greens and fairways, ClandoSan[®] 1500 can be distributed at any point in the growing season using conventional applicators, and should be immediately irrigated to assure adequate subsurface penetration.

USE SITES*:

ClandoSan^e 1500 can be applied to the following:

BACK PANEL - RIGHT COLUMN (CONTINUED)

Fruits and Nuts

Includes caneberries, bushberries, vine fruits, strawberries, cranberries, pome fruits, stone fruits, nut crops -- tree and shrub (e.g., pecan, filbert) and other temperate fruits

Tropical and Subtropical Fruits and Nuts Citrus, banana, and plantain, palm fruits and nuts (e.g., date, coconut), pineapple, and other fruits and nuts

Beverage Crops

Includes cocoa, coffee, tea, chicory, mint

Vegetables

Includes leaf/stem, root, seed and pod, fruiting vegetables, and cucurbits, including commercial annual (e.g., tomato, bean) and commercial perennial (e.g., asparagus, rhubarb); annual legumes (e.g., crotalaria, soybean)

Greenhouse (Commercial)

Includes nursery/seed crop/medical crop/tobacco

Fiber Crops

Includes cotton, flax, and other

Grain and Edible Seed Crops Including corn, rice, wheat, barley, rye, oats, sorghum, alfalfa, other grains, other nongrains (e.g., squash, pumpkin), buckwheat, sesame, peanut, and sunflower

Seed sprout crops

Includes mung bean, red clover, soybean, alfalfa, and non-legume crops such as wheat, radish, and black mustard

Other Agricultural Crops

Crops for smoking and chewing; and oil crops.

Ornamental Plants

Including annual garden plants, temperate perennial non-food garden herbs, commercial greenhouse crops, (including nursery/seed crops/medical crops/tobecoo) houseplants, home and retail

BACK PANEL - RIGHT COLLEGE (CONTINUED)

greenhouse and conservatory plants, public display plantings, bulb, corm, and tuber ornamentals, subtropical/tropical garden evergreen plants, groundcovers and aquatic plants; ornamental trees, shrubs, and vines; and forest tree nurseries.

Lawn and Turf

Including cool season winter grasses, summer grasses, and ornamental bunch grasses.

*DO NOT USE ON CROPS WHICH MAY BE ADVERSELY AFFECTED BY HIGH RATES OF UREA NITROGEN.

APPLICATION RATES:

For all uses, a single annual application is sufficient for nematode control. For best results, soil analysis for nematode typing and counts of adult forms and larvae should be undertaken both before and after each crop season.

For broadcast application: recommended application rates are approximately 1 to 3 tons per treated acre on a broadcast basis (or 4.5 to 14.0 pounds per 100 square feet).

RATE CONVERSION CHART

| ClandoSan [®] 1500 TONS PER ACRE | ClandoSan ^o 1500 APPROXIMATE LBS. PER 100 SQ. FT. |
|--|---|
| 1.0 | 4.5 |
| 1.5 | 7.0 |
| 2.0 | 9.0 |
| 2.5 | 11.5 |
| 3.0 | 14.0 |

1 ACRE: 43,560 SQ. FT.

<u>For bulk soil application</u>: apply on a 0.1 to 0.3% weight/weight basis (i.e., 1 to 3 lbs. ClandoSan[®] 1500 for 1000 lbs. of soil, 1 to 3 grams per kilogram of soil, or 2.5 to 7.4 lbs. per cubic yard of soil).

BACK PANEL - RIGHT COLLEGE (CONTINUED)

For homeowner use: one 50 pound bag of ClandoSan^o 1500 will cover approximately 1,000 square feet at an application rate of 1 ton per treated acre on a broadcast basis. For bulk soil treatment, apply approximately 1.5 to 4.4 ounces ClandoSan^o 1500 per cubic foot.

For band application to all crops other than lawn and turfgrasses: row spacings can be used to determine the amount of ClandoSan® 1500 recommended for band application. Band widths should be equal to one-half the distance between rows and the bands should be centered directly over the centerline of the intended planting row. As a result, only one-half of available acreage is treated when band application is used and recommended application rates per acre for band application are equal to one-half the rates recommended for broadcast application. Recommended application rates on this basis are as follows:

Distance Between Rows (inches) 18 24 30 36 48

Band Width (inches) 9 12 15 18 24

Approximate Pounds of ClandoSan[®] 1500 Per 100 Feet of Banded Row, at equivalent of:

- 1 ton per treated acre 3.5 4.5 5.5 7.0 9.0
- 3 tons per treated acre 11.0 14.0 16.0 20.5 27.5

Application rates will vary according to the characteristics of the soil, types of plant-pathogenic nematodes, and extent of infestation. Acid soils (i.e., lower pH) or soils with a severe degree or type of infestation (i.e., root-knot nematode) will require the higher rates of application within the specified ranges. DO NOT ADJUST RATES OF APPLICATION IN ORDER TO MEET FERTILIZER REQUIREMENTS FOR YOUR SOIL.

| Typical Analysis | |
|--|-------------------------------------|
| Total Carbon (%) Total Mitrogen (%) Carbon: Mitrogen Ratio Kjeldahl "Protein" (%) Mineral Ash (% at 550°c) | 34.1 12.5 2.7 78.1 18.1 |

BACK PANEL - RIGHT COLUMN (CONTINUED)

The optimum soil temperature conditions for application of this product range from 40° to 95° F at a soil depth of 6 to 8 inches.

ClandoSan® 1500 has been shown to have controlled or slow release effects in soils and may not require reapplication at optimal rates which are recommended for first time use. For best results, soil analysis for nematode typing and counts of adult forms and larvae should be undertaken both before and after each crop season.

ENVIRONMENTAL HAZARD

Do not apply directly to water. Do not contaminate water when disposing of equipment washwater.

STORAGE AND DISPOSAL

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

STORAGE: Avoid exposure to extreme conditions such as heat, moisture, sunlight or contaminating substances.

DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

9110 Red Branch Road Columbia, Maryland 21045 1-800-346-6421

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PRODUCT DESCRIPTION

ClandoSan® 1500 is the registered trademark of IGENE Biotechnology, Inc. for a dried, granular chitin-protein material that is isolated from the tough polymer matrix of crustacean exoskeletons, especially crab and shrimp shells, and processed into pellets or granules by patented and patent pending processes developed by IGENE Biotechnology, Inc.

The commercial ClandoSan® 1500 product is composed of a blend of the crustacean chitin-protein complex with agricultural grade urea and an organic buffer

The ClandoSan® 1500 product acts in soils as a biological control agent to stimulate the growth of normal soil microorganisms, such as fungus-like actinomyces, bacteria, and fungi which produce chitinase and other enzymes and destroy plant pathogenic nematodes and their eggs. ClandoSan® 1500 does not have a direct adverse effect on plant-pathogenic nematodes either in vitro or in sterilised or irradiated soils.

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LIMITED WARRANTY

To the best of manufacturer's knowledge and belief, the information contained herein is correct. The data outlined and statements made are intended only as a source of

BACK PANEL - LEFT COLUMN (CONTINUED)

information. Appropriate tests under user's operating conditions should be run before use. Manufacturer makes no warranties, express or implied, including warranties of merchantability or fitness for a particular use. The parties agree that the buyer's exclusive remedy shall be a refund of the purchase price of the product. In no event shall manufacturer be liable for any incidental, consequential or special damages suffered or incurred by user or its officers, employees, sub-idiaries, affiliates, representatives or customers, as a result of the use of the product, whether under theories of warranty, negligence, or strict liability. Manufacturer disclaims all liability for results and for any damages, injury or patent infringement with respect to the use of the product or any material supplied by the manufacturer, whether under theories of warranty, negligence, or strict liability.

MANUFACTURED FOR

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IGENE Biotechnology, Inc.