

US EPA ARCHIVE DOCUMENT

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

CASWELL # 63

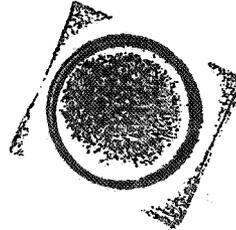
DATE: June 4, 1980

SUBJECT: EPA Registration Number: 538 - RAG
 Super Bonus S Weed Control Plus Lawn Fertilizer:
 Caswell # _____

FROM: Deloris Graham *DGH 6/26/80*
 FHB/TSS *E 6/27/80*

TO: Robert Taylor
 Product Manager (25)

22



Releasable

Applicant: O.M. Scott & Sons
 Marysville, Ohio 43040

Active Ingredient:

Atrazine(2-chloro-4-ethylamino-6-isopropylamino-s-
 triazine 0.6%

Inert Ingredients 99.40%

Background: Acute Oral, Acute Dermal, Eye and Skin Irritation
 Studies are submitted in support of conditional registration of
 this product. These studies were conducted by Raltech Scientific
 Services, Inc. These data are under accession number 242074.
 Alternate method of support is used.

Recommendation:

- 1) The Acute Oral, Acute Dermal, Eye and Skin Irritation studies
 are acceptable in support of conditional registration of
 this product.
- 2) ^{EITHER} An Acute Inhalation Study ~~must be submitted~~ or justification
 for not needing this study *must be submitted.*
- 3) FHB/TSS has no objections to the conditional registration
 of this product, provided an acceptable Acute Inhalation
 Study is submitted or a justification for not needing this
 study.

Atrazine/Review #29/6.4.80/10 pages

Label:

- 1) The following statement must appear under the "Environmental Hazards" subheading:

"Keep out of lakes, ponds, or streams. Do not contaminate water by cleaning of equipment or disposal of wastes."

Review:

- 1) Acute Oral Toxicity Study:

Raltech Scientific Services Inc; January 16, 1980;
Lab No. 765242.

Procedure: 5M and 5F rats (214-263g) received a 5g/Kg dose of the test material (F-9417). Observations were made at 1, 2.5, and 4 hours and daily thereafter for 14 days. Body weights were recorded initially and on day 7 and 14. Necropsies were performed on all animals.

Results: No mortalities. All animals appeared normal through 14 day observation period. Majority of animals gained weight. Necropsy revealed lungs with raised white areas, mild hydrometra in uterus. LD50 for males and females was greater than 5g/Kg.

Study Classification: Core Guideline Data.

Toxicity Category: IV - CAUTION

- 2) Acute Dermal Toxicity Study: Raltech Scientific Services Inc.; February 13, 1980; Lab No. 765247.

Procedure: 5M and 5F New Zealand white rabbits (2308-3000g) received a 2.0g/Kg dose of the test material (F-9417) at abraded skin sites under occlusive wrap for 24 hours. Observations were made daily for 14 days. Body weights were recorded initially, and on days 7 and 14. Necropsies were performed on all animals.

Results: No mortalities, Slight to moderate erythema in 2/5M and slight erythema in 3/5F. No edema present. Other symptom observed included diarrhea, hypoactive, respiratory congestion, purulent nasal discharge. Majority of animals gained weight. Necropsy revealed lungs had mild, multifocal, raised red areas,

an ovalshaped, soft, tan-light brown mass lying unattached on left renal fat. No other visible lesions. LD50 for males and females was greater than 2.0g/Kg.

Study Classification: Core Guideline Data

Toxicity Category: III-CAUTION

- 3) Eye Irritation Study: Raltech Scientific Services, Inc.; January 27, 1980; Lab No. 765242.

Procedure: Nine New Zealand white rabbits (5M and 4F) received a 0.1g dose of the test material in one eye. Animals were divided into two groups, Group I consisting of 6 rabbits with treated, unwashed eyes and Group II consisting of 3 rabbits with treated washed eyes. Observations were made at 24, 48, 72, and 96 hours, and at 7 days after treatment. Body weights were recorded.

Results: In Group I, no corneal opacity. At 24 hours iris irritation present in 4/6(4/6=1) and conjunctival redness in 6/6(3/6=1, 1/6=1.5, 2/6=2); chemosis in 6/6(4/6=1, 1/6=1.5, 1/6=2); discharge in 2/6(1/6=0.5, 1/6=1). Other symptom observed was purulent discharge. At 72 hours all irritation had cleared.

In Group II, no corneal opacity. At 24 hours iris irritation in 2/3 animals (2/3=1) and conjunctival redness in 3/3(1/3=1, 1/3=1.5, 1/3=2); chemosis in 2/3(2/3=1); discharge in 2/3(2/3=1). Other symptom observed was purulent discharge. At 72 hours all irritation had cleared

Study Classification: Core Guideline Data

Toxicity Category: III-CAUTION

- 4) Dermal Irritation Study: Raltech Scientific Services, Inc.; January 27, 1980; Lab No. 765242.

Procedure: 3M and 3F New Zealand white rabbits received 0.5g dose of the test material at 2 abraded and 2 intact sites per animal under occlusive wrap for 24 hours. Observations were made at 24 and 72 hours after dosing.

Results: At 24 hours, very slight erythema in 5/6 animals at both abraded and intact sites and no edema present. At 72 hours 3/6 animals had very slight erythema. Primary irritation score at 24 hours was 0.7 and at 72 hours, 0.3. Primary irritation index was 0.5.

Study Classification: Core Guideline Data

Toxicity Category: IV-CAUTION

FRONT: (Scotts (R)) Super Bonus S (Scotts) Weed control plus lawn fertilizer (Lawn Pro) (ML)
 Treats 5,000 sq ft (465 m²)

3123

(Scotts (R))

SUPER BONUS S

WEED CONTROL PLUS LAWN FERTILIZER

For use on St Augustine, zoysia, centipede and carpetgrass lawns only.

Controls oxalis, dollarweed and other weeds listed on back.

Gives your lawn a full feeding of Scotts long lasting fertilizer.

A SCOTTS (R) Lawn ProTM PRODUCT

Available only at authorized Lawn Pro stores

NET WEIGHT 38 1/8 LBS (17.3 kg) 21-3-3

KEEP OUT OF REACH OF CHILDREN

CAUTION

PRECAUTIONARY STATEMENTS

Hazard to Humans and Domestic Animals: Avoid contact with skin, eyes, or clothing. In case of contact immediately flush eyes or skin with plenty of water. Get medical attention if irritation persists.

Environmental Hazards: Not for use on or under trees, shrubs, bedding plants, flowers or garden plants (see back for further explanation).

Storage and Disposal: Do not reuse empty container. Wrap container and put in trash container.

ACTIVE INGREDIENT:

Atrazine (2-chloro-4-ethylamino-6-isopropylamino-s-triazine)

.60%

INERT INGREDIENTS:

99.40%

Total 100.00%

EPA Reg No 538-XX
Super Bonus S

EPA Est No 538-OH-1
21-3-3

643-1138

Guaranteed Analysis

Total nitrogen (N)	21%
9.1% ammoniacal nitrogen	
8.0% urea nitrogen	
3.9% water insoluble nitrogen	
Available phosphoric acid (P ₂ O ₅)	3%
Soluble potash (K ₂ O)	3%
Sulfur(s) (Combined)	9.63%
Derived from: monoammonium phosphate, urea, methylene ureas, muriate of potash, ammonium sulfate. Chlorine not more than	2.44%

US Composition Pat No 3,076,699
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O M Scott & Sons

Product of USA
Marysville, Ohio 43040

3123 (Scotts (R)) Super Bonus S

weed control plus lawn fertilizer



GUSSETS:

(Scotts (R)) Super Bonus S
weed control plus
lawn fertilizer

3123

(Scotts (R)) Super Bonus S
weed control plus
lawn fertilizer

3123



BACK:

(W)
(o LAW) Lawm fertilizer
(Scotts) Weed control plus
Super Bonus S (Scotts (R)) Super Bonus S

3123 SUPER BONUS S
EASY
OPEN BAG
PULL
WHITE
TAPE

Treats 5,000 sq ft (465 m²)

07

(Scotts (R))

SUPER BONUS S

WEED CONTROL PLUS LAWN FERTILIZER

Use on St Augustine, zoysia, centipede and carpetgrass lawns only.

Gives your lawn a full feeding of Scotts long lasting fertilizer.

Apply to control these weeds anytime they are growing:

black medic	eveningprimrose	purslane
blue toadflax	Florida betony	red sorrel
buckhorn	Florida pusley	(sheep sorrel)
burclover	fragrant cudweed	rescuegrass
Carolina geranium	(rabbittobacco)	shepherdspurse
chickweed	henbit	sowthistle
dandelion	lippia	stinging nettle
dichondra	(matchweed)	Venus lookingglass
dollarweed	mustard	wild mustard
	oxalis	
	pepperweed	

If complete control is not obtained a second treatment may be required 2 months after the first.

How To Use

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

- DO apply as directed. Misapplication may result in injury to trees, shrubs, bedding plants, flowers or garden plants.
- DO apply to newly sprigged St Augustine, zoysia, centipede or carpetgrass lawns to prevent competition from germinating weeds.
- DO apply to St Augustine and zoysia lawns in January, February or early March to prevent germination of these annual weeds: crabgrass, paspalum, prostrate spurge and sedges.
- DON'T USE ON OR UNDER THE BRANCH SPREAD (ROOTZONE) AREA OF TREES, SHRUBS, BEDDING PLANTS, FLOWERS OR GARDEN PLANTS, PARTICULARLY ON COMPACT, SLOWLY DRAINING SOILS IN THE DALLAS/FT. WORTH AREA.
- DON'T use on centipede or carpetgrass lawns during the period of winter dormancy (approximately October 15 to March 15).
- DON'T apply to newly seeded zoysia, centipede or carpetgrass lawns until after the new grass has been mowed at least twice.

DO apply only when grass blades are dry. When daytime temperatures are 80° or above, water sufficiently to rinse particles off the grass blades.

DON'T plant sprigs for one month, or sow new grass seed for six months following application of this product.

DO apply at Scotts Spreader (Standard, Automatic or Precision Flow Control Model) setting (Treats 5,000 sq ft) . . . X

DON'T apply to lawns or mixed lawns of bahia, bermudagrass, bluegrass, bentgrass, dichondra, ryegrass or tall fescue because injury may occur.

DO slightly overlap spreader's wheel tracks to avoid "stripes" of untreated lawn.

DON'T use a rotary-type spreader to apply this product.

What to expect

This product does not work overnight. It is designed to provide slow, steady controlled action. The length of time for control depends upon the type of weeds involved and their stage of development. Full control may require two months. It is not necessary to rake out dead weeds. They will eventually disintegrate and disappear.

A few weeds may be resistant to control. If this happens, please send us the weed plant so we can identify it and we will advise you by return mail.

A SCOTTS (R) Lawn ProTM PRODUCT

Available only at authorized Lawn Pro stores

<p>Scotts Policy 3123</p> <p>No-Quibble Guarantee</p> <p>If for any reason you are not satisfied with results after using this product, you are entitled to get your money back. Simply send us evidence of purchase and we will mail you a refund check promptly.</p> <p style="text-align: right;">SCOTTS...the lawn people MARYSVILLE, OHIO 43040</p>

Free Bulletin Service

As a Scotts user, you are entitled to a free subscription to Lawn Care, which has been helping lawnowners for over 50 years.

ILLUS)

Unless you already receive Lawn Care, send us this coupon and we'll mail you the seasonal issues prepared especially for your region.

Cut out and mail to SCOTTS, Marysville, Ohio 43040

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NAME (please print) _____

ADDRESS _____

CITY _____

STATE _____ ZIP _____

