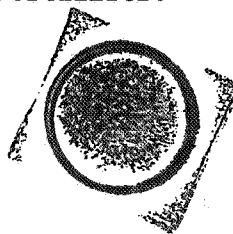


## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

DATE: June 4, 1980  
22  
SUBJECT: EPA Registration Number: 538 - RAG  
Super Bonus S Weed Control Plus Lawn Fertilizer:  
Caswell # \_\_\_\_\_  
FROM: Deloris Graham *DSH* 6/26/80  
FHB/TSS *E* 6/27/80  
TO: Robert Taylor  
Product Manager (25)

CASWELL #63

*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) <sup>EITHER</sup> 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

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 FRONT: ( Scotts (R) Super Bonus S ( Scotts )  
 Treats 5,000 sq ft (465 m<sup>2</sup>)

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 Pro<sup>TM</sup> 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: . . . . .

.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) . . . . .  |       |
| 9.1% ammoniacal nitrogen  | 21%   |
| 8.0% urea nitrogen  |       |
| 3.9% water insoluble nitrogen   |       |
| Available phosphoric acid ( $P_2O_5$ ) . . .  |       |
| Soluble potash ( $K_2O$ ) . . . . .   | 3%    |
| Sulfur(s) (Combined) . . . . .  | 3%    |
| Derived from: monoammonium phosphate, urea, methylene ureas, muriate of potash, ammonium sulfate. | 9.63% |
| Chlorine not more than . . . . .  |       |

2.44%

US Composition Pat No 3,076,699  
(c) 1981, The O M Scott & Sons Company. All rights reserved.  
O M Scott & Sons

Product of USA  
Marysville, Ohio 43040

3123 (Scotts (R)) Super Bonus S

weed control plus lawn fertilizer

GUSSETS:

06

(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 uM7)  
( Scotts)  
Super Bonus S  
Weed control plus  
lawn fertilizer  
(Scotts (R))

3123 SUPER BONUS S  
EASY  
OPEN BAG  
PULL  
WHITE  
TAPE

07

Treats 5,000 sq ft (465 m<sup>2</sup>)

(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<br>may result in injury to trees,<br>shrubs, bedding plants, flowers or<br>garden plants.   | DON'T | USE ON OR UNDER THE BRANCH<br>SPREAD (ROOTZONE) AREA OF TREES,<br>SHRUBS, BEDDING PLANTS, FLOWERS<br>OR GARDEN PLANTS, PARTICULARLY<br>ON COMPACT, SLOWLY DRAINING,<br>SOILS IN THE DALLAS/FT. WORTH<br>AREA. |
| DO | apply to newly sprigged St August-<br>ine, zoysia, centipede or carpet-<br>grass lawns to prevent competition<br>from germinating weeds.  | DON'T | use on centipede or carpetgrass,<br>lawns during the period of winter<br>dormancy (approximately October<br>15 to March 15).  |
| DO | apply to St Augustine and zoysia<br>lawns in January, February or<br>early March to prevent germina-<br>tion of these annual weeds: crab-<br>grass, paspalum, prostrate spurge<br>and sedges. | DON'T | apply to newly seeded zoysia,<br>centipede or carpetgrass lawns<br>until after the new grass has<br>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<sup>(R)</sup> Lawn Pro<sup>TM</sup> PRODUCT**

Available only at authorized Lawn Pro stores

Scotts Policy

3123

No-Quibble Guarantee

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.

SCOTTS...the lawn people  
MARYSVILLE, OHIO 43040

**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

NAME (please print)

ADDRESS

CITY

STATE

ZIP

|      |                            |            |
|------|----------------------------|------------|
| 3123 | (Scotts (R)) Super Bonus S | (Scotts )  |
|      | weed control plus          | (Lawn Pro) |
|      | lawn fertilizer            | ( TM)      |