

Vincent Snyder, Jr.  
 The Scotts Company  
 14111 Scottslawn Road  
 Marysville, OH 43041

SEP 30 1997

Dear Mr. Snyder:

Subject: Revised Registration; Establishment of Range Registration  
 Turf Starter Plus Preemergent Weed Control  
 EPA Registration No. 538-241  
 Your Submissions Dated February 4 and September 8, 1997

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable with the following provisions:

- 1) Revise the Statement of Practical Treatment to read as follows:

"IF SWALLOWED: Call a doctor or get medical attention. Do not induce vomiting or give anything by mouth to an unconscious person. Drink promptly a large quantity of milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol."

"IF IN EYES: Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention."

"IF ON SKIN: Wash with plenty of soap and water. Get medical attention."

"IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention."

"NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage."

- 2) Add the requirement of a pesticide respirator jointly approved by the Mine Safety and Health Administration and the National Institute for Occupational Safety and Health to the list of personal protective equipment in the Precautionary Statements. Alternatively, sieve test information demonstrating that this product is formulated in a coarse granule, as outlined in the Notice of Pesticide Registration dated December 4, 1990, must be submitted within 30 days after receipt of this letter.

DK: 305-7546: HB/PM23

CONCURRENCES

SYMBOL ▶	7505C							
SURNAME ▶	D.KENNY							
DATE ▶	9/30/97							

A stamped copy is enclosed for your records. Please submit one (1) final printed copy for the referenced label, incorporating the above changes, before releasing the product for shipment.

The Agency has also reviewed the revised Confidential Statement of Formula dated February 4, 1997 for the basic formulation (including one copy for the high end of 1.5% active ingredient and one copy for the low end of 0.92% active ingredient). It has been determined that the Confidential Statement of Formula agrees with the label claim in compliance with PR Notice 91-2 and is acceptable. The Confidential Statement of Formula has been added to your file as part of the record.

Sincerely yours,

Joanne I. Miller  
Product Manager (23)  
Herbicide Branch  
Registration Division (7505C)

Enclosure

RANGE MASTER LABEL

TURF STARTER PLUS  
PREEMERGENT WEED CONTROL  
02/03/97 VS/kl

**ACCEPTED  
with COMMENTS  
In EPA Letter Dated**

SEP 30 1997

FRONT:

(Scotts®)  
(ProTurf®)  
BRAND

**Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
538-241**

XX-XX-XX

Turf Starter™ Plus Preemergent Weed Control

- provides initial green-up
- provides preemergent control or suppression of crabgrass, *Poa annua*, goosegrass and foxtail during bermudagrass sprigging
- provides a feeding of fertilizer, high in phosphorus to encourage turf establishment
- Scotts® Slow Release Polymer Encapsulated Fertilizer
- Controlled-release Poly-S® nitrogen provides uniform growth with extended feeding

OPTIONAL FRONT PANEL CLAIMS

- Poly-S technology
- provides preemergent control or suppression of crabgrass, *Poa annua*, goosegrass and foxtail
- provides a feeding of fertilizer
- provides a light nitrogen feeding
- selective control of sprouting annual broadleaf weeds

REC'D  
FEB -5 11:04  
SUPPL

Net Weight XX.XX lbs (XX.XX kg)

**KEEP OUT OF REACH OF CHILDREN  
WARNING  
PRECAUTIONARY STATEMENTS**

Hazards to Humans and Domestic Animals: WARNING. May be fatal if inhaled. Causes substantial but temporary eye injury. Wear goggles or safety glasses when applying this product. Causes skin irritation. Do not get in eyes, on skin, or on clothing. Wear protective clothing including long-sleeved shirt and gloves when handling. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

**STATEMENT OF PRACTICAL TREATMENT**

**IF IN EYES:** Flush with plenty of water. Get medical attention.

**IF ON SKIN:** Wash thoroughly with soap and water. Get medical attention if irritation persists.

Environmental Hazards: This pesticide is toxic to fish. Use with care when applying to areas adjacent to any body of water. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark.

PROTURF® Turf Starter™ Plus Preemergent Weed Control

ACTIVE INGREDIENT:	3-[2,4 dichloro-5-(Methylethoxy)phenyl]	
	5-(1,1-dimethyl)-1,3,4-oxadiazol-2(3H)-one.....	0.92 - 1.5%
INERT INGREDIENTS:	.....	98.5 - 99.08%
	Total	100.00%

EPA Reg No 538-241

EPA Est 538-XXX

Turf Starter™ Plus Ronstar

Guaranteed Analysis (XX-XX-XX)

Total nitrogen (N).....	XX%
X.X% ammoniacal nitrogen	
X.X% urea nitrogen	
Available phosphate (P <sub>2</sub> O <sub>5</sub> ).....	XX%
Soluble potash (K <sub>2</sub> O).....	XX%
Sulfur (S) (free).....	XX%

Derived from: Sulfur-coated urea, polymer coated sulfur-coated urea, monoammonium phosphate and potassium chloride.

Chlorine, not more than ..... XX%

Product of USA

Professional Business Group  
The Scotts Company  
Marysville, Ohio 43041

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The Scotts Company  
14111 Scottslawn Road  
Marysville, Ohio 43041

For Sale to, Use and Storage by Professional Turf Maintenance Personnel only.  
Not for Use on Home Lawns

XXXX

Turf Starter Plus  
Preemergent Weed Control

GUSSETS:

RIGHT GUSSET:

XXXX

(Scotts®)  
(ProTurf®)  
BRAND

XX-XX-XX  
Turf Starter™ Plus  
Preemergent Weed Control

LEFT GUSSET:

(Scotts®)  
(ProTurf®)  
BRAND

XX-XX-XX  
Turf Starter™ Plus  
Preemergent Weed Control

XXXX

(Packaging Calendar)

BACK:

XX-XX-XX  
Turf Starter™ Plus Preemergent Weed Control  
XXXX

(Scotts®) XX-XX-XX  
(ProTurf®) Turf Starter™ Plus  
BRAND Preemergent Weed Control

Directions for use

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

Not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.

For use on established or sprigged bermudagrass, zoysiagrass, Seashore paspalum\* (see precautions), and St Augustinegrass ornamental turf for preemergent control or suppression of sprouting:

- crabgrass                      yellow foxtail                      *Poa annua*
- goosegrass                      green foxtail

\*Not currently registered in California.

How to Use

- Apply prior to or after sprigging \_\_\_ to \_\_\_ lbs. of product per acre (1.5 to 3.0 lbs. AI/acre) for suppression or control of listed annual grassy weeds in bermudagrass, zoysiagrass, and St. Augustinegrass.
- After application of this product on newly sprigged bermudagrass, zoysiagrass, and St Augustinegrass, wait until the grass has filled in and the stolons have rooted down before application of other PROTURF herbicide, combination fertilizer/herbicide or growth regulator products.
- On Seashore paspalum make application 10-14 days after sprigging.
- For established turf, apply at \_\_\_ to \_\_\_ lbs. of product per acre (2.0 to 4.0 lbs. AI/acre).

When to Use

Use this product to control or suppress the listed annual grassy weeds when establishing new turf areas or when treating established turf that has been thinned from winter injury, insects, diseases or other factors.

Precautions

Avoid contact with flowers and shrubs.

This product should not be used on established putting greens and tees because of the varied cultural practices used.

Do not apply product to moist turfgrass foliage.

This product may cause discoloration of bermudagrass and St Augustinegrass. This discoloration is temporary and will normally be outgrown within 2 to 3 weeks.

On Seashore paspalum wait 10-14 days after sprigging before application. An application made close to the time of sprigging may cause objectionable injury.

Irrigate immediately after application for best results.

Seeding into treated areas should be delayed until 4 months after treatment.

Storage and Disposal

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

STORAGE: Store in a clean, dry place. Reseal opened bag by folding top down and securing.

PESTICIDE 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: 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.

IMPORTANT NOTICE: DISCLAIMER AND LIMITATION OF LIABILITY

This product has been researched to provide necessary data to support its uses listed on the label. The user should always follow the label directions and exercise his judgement and caution when using the product under his growing conditions. NO WARRANTY OR REPRESENTATION IS MADE, EXPRESS, OR IMPLIED, CONCERNING THE RESULTS TO BE OBTAINED FROM THE USE OF THIS PRODUCT IF NOT USED IN ACCORDANCE WITH DIRECTIONS OR ESTABLISHED SAFE PRACTICE. The exclusive remedy of the user or Buyer, and the limit of liability of The Scotts Company or any of its affiliates, for any and all losses, injuries or damages resulting from the use or handling of this product shall be the purchase price paid by the user or Buyer for the quantity of this product involved. The Buyer and users are deemed to have accepted the terms of this Notice, which may be varied only by agreement in writing, signed by a duly authorized representative of The Scotts Company.

Professional Business Group  
The Scotts Company  
Marysville, Ohio 43041

### SUGGESTED SPREADER SETTINGS

To provide proper distribution calibrate spreader before application.

\_\_\_\_\_ lbs. treats \_\_\_\_\_ ft<sup>2</sup> at the XXX lbs. product/acre - HALF RATE (1.5 lbs. ai/A)  
 \_\_\_\_\_ lbs. treats \_\_\_\_\_ ft<sup>2</sup> at the XXX lbs. product/acre - LIGHT RATE (2.0 lbs. ai/A)  
 \_\_\_\_\_ lbs. treats \_\_\_\_\_ ft<sup>2</sup> at the XXX lbs. product/acre - MEDIUM RATE (3.0 lbs. ai/A)

SPREADER	GROUND OR PTO SPEED	WIDTH OF COVERAGE	SPREADER SETTING		
			lbs. product/acre		
			Half Rate	Light Rate	Medium Rate
Scotts Rotaries R-7*, R-7X*	3 mph	X ft	XX	XX	XX
R-8A (cone 8)	3 mph	X ft	XX	XX	XX
Lely Models (See below)	4.5 mph	X ft	XX	XX	XX
Vicon	4.5 mph	XX ft	XX	XX	XX

\*For the R-7X model, use adjustable pattern slide X/X closed.

Lely models WTR, WFR, HR and 1250. PTO at 450 rpm.

### (OPTIONAL DIRECTIONS FOR USE ON COOL AND WARM SEASON SPECIES)

#### Directions for Use

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

Not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.

For use on established bermudagrass, bluegrass, bentgrass, buffalograss, perennial ryegrass, St. Augustinegrass, Seashore, paspalum\*, tall fescue and zoysia turfgrasses for preemergent control or suppression of the following sprouting weeds:

#### Sprouting Grassy Weeds

carpetgrass	goosegrass
crabgrass	<i>Poa annua</i> *
green foxtail	yellow foxtail

#### Sprouting Dicot Weeds

Florida pusley	stinging nettle
oxalis	Virginia buttonweed
pigweed	

\*Not currently registered in California.

#### How to Use

Provides control of sprouting annual grassy and dicot weeds in established turf, thus eliminating the development of large weed plants that smother the desirable turfgrasses.

Allow one week between the application of this and other control products. (This guideline can be relaxed where severe insect or disease attack requires immediate treatment).

After this product has been applied for two to three consecutive years and annual grassy weeds have been effectively controlled, further application should be withheld until need is established.

Prior to seeding or sprigging, the soil surface should be disturbed or worked to dilute any remaining chemical residue.

Not for use on dichondra, centipedegrass, red fescue and *Poa annua* if it is the desired species.

Disturbance of the soil surface after application of this product will disrupt the herbicide barrier and reduce the effectiveness.

Irrigate immediately after application for best results.

#### When to use

**Crabgrass and Goosegrass Control:** For preemergent control, apply XXX to XXX pounds of product per acre (1.5 to 4 pounds of active ingredient/acre) in early spring prior to weed seed germination. Applications made after March or April may not be fully effective. If the half rate is used (XXX lbs. product/A or 1.5 lbs. AI/acre), a repeat application of XXX lbs. (half rate) of product in 6 to 10 weeks is recommended.

**Annual Bluegrass Control:** For preemergent control, apply XXX - XXX pounds of product per acre (2-4 pounds of active ingredient/acre) in late summer to early fall or in early spring prior to seed germination.

**Virginia buttonweed, Pigweed, Florida Pusley, Oxalis, Stinging Nettle, and Carpetgrass Control:** For preemergent control of these weeds, apply XXX pounds of product per acre (4 pounds of AI/acre) in early spring prior to weed seed germination.

#### Precautions

Avoid contact with flowers and shrubs.

This product should not be used on established putting greens and tees because of the varied cultural practices used.

Do not apply product to moist turfgrass foliage.

This product may cause discoloration of bentgrass, bermudagrass and St. Augustinegrass. This discoloration is temporary and will normally be outgrown within 2 to 3 weeks.

For bentgrass and St. Augustinegrass, do not exceed the rate of XXX lbs. of product per acre (3.0 lbs. of AI/acre).

Do not apply to bentgrass turf mowed at less than 3/8 inch.

Do not apply this product to newly seeded areas.

Seeding into treated areas should be delayed until 4 months after treatment.

#### **Storage and Disposal**

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

**STORAGE:** Store in a clean, dry place. Reseal opened bag by folding top down and securing.

**PESTICIDE 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:** 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.

**IMPORTANT NOTICE: DISCLAIMER AND LIMITATION OF LIABILITY**

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Distributed by:  
 Professional Business Group  
 The Scotts Company  
 Marysville, Ohio 43041

**SUGGESTED SPREADER SETTINGS**

To provide proper distribution calibrate spreader before application.

- \_\_\_\_\_ lbs. treats X,XXX ft<sup>2</sup> at the HALF RATE (X.XX lbs. N/M) 1.5 lbs. ai/A
- \_\_\_\_\_ lbs. treats X,XXX ft<sup>2</sup> at the LIGHT RATE (X.XX lbs. N/M) 2.0 lbs. ai/A
- \_\_\_\_\_ lbs. treats X,XXX ft<sup>2</sup> at the MEDIUM RATE (X.XX lbs. N/M) 3.0 lbs. ai/A
- \_\_\_\_\_ lbs. treats X,XXX ft<sup>2</sup> at the HEAVY RATE (X.XX lbs. N/M) 4.0 lbs. ai/A

SPREADER	GROUND OR PTO SPEED	WIDTH OF COVERAGE	SPREADER SETTING			
			HALF RATE XXX	LIGHT RATE XXX	MEDIUM RATE XXX	HEAVY RATE XXX
Scotts Drop	3 mph	overlap wheels	X	X	X	X
Gandy (30")	3 mph	overlap wheels	X	X	X	X
Scotts Rotaries R-7*, R-7X*	3 mph	X ft	X	X	X	X
R-8A (cone X)	3 mph	X ft	X	X	X	X
Lely Models (See below)	4.5 mph	X ft	X	X	X	X
Vicon (Model 02)	4.5 mph	XX ft	X	X	X	X
Vicon (Model 03)	4.5 mph	XX ft	X	X	X	X

\*For the R-7X model, use adjustable pattern slide ¼ closed.

Lely models WTR, WFR, HR and 1250. PTO at 450 rpm.