

SEP 25 1996

Mr. Fred Piskiewicz  
Sandoz Agro, Inc.  
1300 East Touhy Avenue  
Des Plaines, IL 60018

Dear Mr. Piskiewicz:

Subject: Zorial 5G  
EPA Registration No. 55947-57  
Application Dated May 13, 1996, Request for Supplement  
Labeling To Add the Use-Site, Alfalfa; and Resubmission  
Application Dated July 30, 1996

The subject proposed supplemental labeling submitted on July 30, 1996 has been reviewed and found to be acceptable under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) as amended, provided that you:

1. revised throughout the labeling the expression of dosage as "lbs" instead of "lb", because the plural is required in all cases.
2. submit one (1) copy of the final printed label before releasing the product for shipment under the supplemental label.

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

A stamped copy of the labeling is enclosed for your records.

Sincerely yours,

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

Enclosure

CONCURRENCES

SYMBOL							
SURNAME	.Wilson:	Diskette	ABC30:	09-19-96			
DATE							

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pzor5g\_s.95b, 7/22/96

ACCEPTED  
with COMMENTS  
In EPA Letter Dated

SEP 25 1996

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
55947-57

RECD EPA/OPP/DPD1  
96 JUL 31 P4:27

**ZORIAL 5G®**  
**Herbicide**  
Supplemental Labeling

***Alfalfa Directions for Use***

EPA Registration No 55947-57

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**Directions for Use**

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

Use precautions - - -

- \* Zorial 5G is only recommended for preemergent weed control in established alfalfa; do not apply to seedling alfalfa earlier than 5 months following emergence.
- \* Do not apply Zorial 5G within 28 days of harvest.
- \* Soil disturbances such as rodent burrowing and fire ant mounding may result in temporary bleaching or reduced growth in alfalfa treated with Zorial 5G.
- \* Do not apply to alfalfa planted with small grain or grass companion cover unless injury to the companion crop is acceptable. Alfalfa seed germinating after Zorial 5G is activated in the soil will not become established.

Application timing and rates - Zorial 5G may be applied to healthy stands of established alfalfa at 20 lb/A no earlier than 5 months following emergence. An additional 20 lb/A may be applied later in the first crop year to extend late season weed control.

Application in each of the following crop years may be made at 20 to 40 lb/A depending upon weed pressure, soil texture, and cultural practices:

- \* Use the lower rate on coarse soils (sand, loamy sand, sandy loam) and when low populations of easily controlled annual weeds are expected.
- \* Use the higher rate on medium to fine textured soils (sandy clay through clay) and when heavier weed pressure is expected. The 40 lb maximum annual rate may be applied in a single application or in split applications.

Do not apply more than 40 lb/A per crop year.

Incorporation by rainfall or irrigation is necessary to activate Zorial 5G in soil before weed seeds germinate and emerge. A minimum of one inch rainfall or irrigation is necessary to incorporate Zorial 5G.

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pzor5g\_s.95b, 7/22/96

Application may be made during dormancy, as long as soil is not frozen, or in actively growing stands. Application should always follow mowing and removal of hay to ensure spray reaches the soil surface. In areas which have less than 15 inches annual moisture (rainfall and snow combined) or less than 4 inches spring rainfall, fall or winter applications are recommended.

Zorial 5G will not control emerged weeds. Established weeds or weeds that emerge before activation may be controlled with postemergent herbicides that bear labeling for use in the culture of alfalfa.

**Weeds Controlled** - Zorial 5G applications in alfalfa will control or suppress germinating seed of weed species listed below:

- Controlled: Cheat, Annual Bluegrass, Chickweed, Shepherdspurse, Downy Brome, Italian Ryegrass .
- Suppressed: Sandbur, Henbit

**Rotational Crop Restrictions** - For 16 months following the last application of Zorial 5G, treated acreage may only be rotated to cotton, soybeans, peanuts or asparagus. Soybean and peanuts may show pigment loss (bleaching in leaf veins) and/or stand reduction in Texas (west of I-35), southwest Oklahoma, and New Mexico if planted within 16 months following the last Zorial 5G application.

Special rotational instructions for California or Arizona: Soils containing more than 65% sand should be bioassayed prior to crop rotation. Rotational crops may be planted when no signs of phytotoxicity (bleaching or pigment loss in viens) are observed in bioassay plantings for four months following emergence.

Alfalfa stands treated with Zorial 5G should be irrigated as in normal production the year prior to rotation in California and Arizona.

**This labeling must be in the possession of the user at the time of application.**

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**REGISTERED TRADEMARKS**

ZORIAL 5G® is a registered trademark of Sandoz Agro Inc

**SANDOZ AGRO INC.**