

7969-188

3/30/2001

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

MAR 30 2001

Dr. Edward G. Jordan  
BASF Corporation  
P.O. Box 13528  
Research Triangle Park, NC 27709-3528

Subject: Apogee Plant Growth Regulator  
EPA Reg. No. 7969-188  
Your March 28, 2001 submission of revised labels for grass grown for seed

Dear Dr. Jordan,

The application above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable regarding the interim supplemental labeling for the use of Apogee on grass grown for seed. This interim label with livestock feeding restrictions will be valid until the Agency has had the opportunity to consider any comments received following establishment of tolerances. After evaluation of received comments, a less restrictive label allowing livestock grazing and feeding of hay and forage to livestock can be considered. No further action should be required on your part regarding consideration of a final supplemental label with reduced grazing/feeding restrictions. However, if the final supplemental label is approved, the Agency requests that the information in the final supplemental label be incorporated into the master Apogee label with the peanut and pome fruit uses.

CONCURRENCES

SYMBOL	7505K						
SURNAME	Elewanger						
DATE	3/30/01						

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**A copy of the stamped accepted interim label is enclosed for your records. You must submit a copy of the final printed label (interim supplemental label in this case) prior to distribution of this label in commerce. If there are questions concerning this matter, contact Dr. Tom Ellwanger at (703) 308-9352.**

Sincerely,

**Cynthia Giles-Parker  
Product Manager (22)  
Fungicide Branch  
Registration Division (7505C)**

**Enclosure**

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## Supplemental Label

3-28-01 EGJ-1

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# Apogee®

## Plant Growth Regulator

For use in grass grown for seed

EPA Reg. No. 7969-188

All applicable directions, restrictions, precautions and **Conditions of Sale and Warranty** on the EPA- registered label are to be followed. This labeling must be in the possession of the user at the time of application.

### Directions For Use

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

### General Information

**Apogee®** plant growth regulator is a production management tool for producers of grass grown for seed including perennial ryegrass, bluegrass, fine and tall fescue.

**Apogee** reduces vegetative growth (shorter internode length), and thus reduces the potential for lodging. Reduced lodging can lead to improved pollination, increased seed set, and better harvest efficiency.

**Apogee** is a systemic growth regulator and must be absorbed into the leaves to be effective. Use enough volume of spray to thoroughly wet the leaves without runoff. **Apogee** is rain fast within less than 8 hours of application. The growth regulator effects of **Apogee** do not occur by soil uptake.

The performance of **Apogee** can be affected by many factors including: crop growth stage, environmental conditions, plant vigor, moisture availability, fertility level, and cultural practices that affect crop vigor. **Apogee** does not affect vegetative growth the following year.

### Application Instructions

Refer to **Table 1** for application rates and timing. For consistent performance on grass grown for

seed, always use a commercial spray adjuvant such as **X-77**, a non-ionic surfactant, according to the manufacturer's rate recommendations. Also add a nitrogen source such as 1 quart per acre of 32% UAN or 1 pound per acre of ammonium sulfate. Use high-quality ammonium sulfate (spray grade) to avoid plugging nozzles.

### Broadcast Ground Application

**Water Volume:** Use a minimum of 10 gallons of spray solution per broadcast acre.

### Aerial Application

**Water Volume:** Use a minimum of 5 gallons of spray solution per broadcast acre.

### Restrictions and Limitations

Do not apply more than 29 ounces of **Apogee** per acre per year (0.5 pounds prohexadione calcium ai per acre).

Do not apply within 35 days before harvest.

Do not feed treated forage or hay to livestock.

Do not apply this product through any type of irrigation system.

Plantback/Rotation Restriction: If replanting or crop rotation is necessary in treated fields, do not plant any crop other than grass grown for seed for 30 days following the last application of **Apogee**.

ACCEPTED  
with COMMENTS  
In EPA Letter Dated

MAR 30 2001

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

7969-188

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**Table 1. Application Rates for Vegetative Growth Control in Grass Grown for Seed.**

<b>Application Timing</b>	<b>Apogee Rate per Acre</b>
<b>Single application:</b> <ul style="list-style-type: none"><li>• Apply from flag leaf emergence up to early heading stage of growth.</li></ul>	14-29 ounces*
<b>Split applications:</b> <ul style="list-style-type: none"><li>• Apply from flag leaf emergence up to early heading stage of growth.</li><li>• Make a second application 7-10 days later when new growth occurs.</li></ul>	7-14 ounces

\* For Kentucky Bluegrass, use a single application at the maximum rate of 29 ounces of **Apogee** per acre per year.

*Apogee is a trademark of BASF Corporation. Prohexadione calcium is patented by Kumiai Chemical Industry.*

*BASF Corporation, P.O. Box 13528  
Research Triangle Park, NC 27709-3528*

**BASF**