



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

MAY 18 2000

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Dale R. Carlson, Ph.D.
BASF CORPORATION
P. O. Box 13528
Research Triangle Park, NC 27709-3528

Dear Dr. Carlson:

Subject: Revising Confidential Statement of Formula.
EPA Registration 7969-98 Ponnax Plant Regulator
Your application dated January 24, 2000

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended is acceptable provided that you make the labeling changes listed below before you release the product for shipment bearing the amended labeling:

1. Under PRECAUTIONARY STATEMENTS, Hazards to Humans and Domestic Animals should be corrected to read:

Caution. Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Harmful if inhaled. Avoid breathing spray mist.

2. To comply with PR Notice 2000-3 the "Statement of Practical Treatment" should be changed to "First Aid" and the First Aid Statements to read:

If swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by poison control center or doctor. Do not give anything by mouth to an unconscious person.

If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth, if possible. Call a poison control center or doctor for treatment advice.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call poison control center or doctor for treatment advice.

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing the eyes. Call a poison control center or doctor for treatment advice.

Directly below the First Aid Statements in PRN 2000-3 is the recommended format and placement of Emergency Phone Numbers on the label.

3. Under **Personal Protective Equipment** change "Waterproof gloves" to read "Chemical resistant gloves".

4. Under **Agricultural Use Requirements** the Early Entry PPE "Waterproof gloves" should be changed to read, "Chemical Resistant gloves (such as Nitrile, Butyl, Neoprene, and/or Barrier Laminate).

Submit one (1) copy of your final printed label prior to releasing this product for shipment.

The new basic formulation dated January 24, 2000 is acceptable and supersedes all previously accepted CSFs. A copy of your new CSF has been inserted into the file for this product.

Sincerely yours,



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

BASF

wjm 1-24-00 NVA 99-4-28-0055
Vers. 1.4
Added Reg. # and changed % ai
and inert

Ponnamax[®]

plant regulator

Active Ingredient*:

Mepiquat-chloride: N,N-dimethylpiperidinium chloride.....23.6%

Inert Ingredients:.....76.4%

Total.....100.0%

*Equivalent to 2.0 pounds per gallon

EPA Reg. No. 7969-98

**KEEP OUT OF REACH OF CHILDREN.
CAUTION**

See inside booklet for complete **Precautionary Statements, Statement of Practical Treatment, Directions For Use, and Conditions of Sale and Warranty.**

**ACCEPTED
with COMMENTS
In EPA Letter Dated:**

MAY 18 2000

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

7969-98

Net contents: 2 quarts (1.89 liters)

Precautionary Statements

Hazards to Humans and Domestic Animals

Caution. Avoid contact with eyes, skin, or clothing. In case of contact, immediately flush eyes or skin with plenty of water. Get medical attention if irritation persists.

Statement of Practical Treatment

If in eyes: Flush with plenty of water. Get medical attention if irritation persists.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

Follow the manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering Controls Statement

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Environmental Hazards

Do not apply directly to water, areas where surface water is present, or intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate.

Directions For Use

It is a violation of federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your state or tribe, consult the agency responsible for pesticide regulation.

All applicable directions, restrictions, precautions, and **Conditions of Sale and Warranty** are to be followed. This labeling must be in the user's possession during application.

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of **12 hours**. PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls
- Waterproof gloves
- Shoes plus socks

Storage and Disposal

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

Storage: Do not store below 32° F or above 100° F. Store in a dry place away from heat or open flame.

Pesticide Disposal: Pesticide wastes are toxic. Wastes resulting from this product may be disposed of on site or at an approved waste disposal facility. Improper disposal of excess pesticide, spray mix, or rinsate is a violation of federal law. If these wastes cannot be disposed of according to label instructions, contact the state agency responsible for pesticide regulation or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Disposal:

• **Plastic Containers:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

In Case of Emergency

In case of large-scale spillage regarding this product, call:

CHEMTREC 800-424-9300
BASF Corporation 800-832-HELP

In case of medical emergency regarding this product, call:

- Your local doctor for immediate treatment.
- Your local poison control center (hospital).
- BASF Corporation (800-832-HELP)

Steps to be taken in case material is released or spilled:

Wear the personal protective equipment specified on the label or the Material Safety Data Sheet. Recover the material for re-use according to label whenever possible. Cover the liquid with an absorbent material (such as pet litter). Sweep up and place in an appropriate container for disposal. Remove and wash clothing and personal protective equipment prior to re-use. Keep the spill out of all sewers and open bodies of water.

I. General Information

Ponnax® plant regulator is a foliar-applied plant regulator for use on Concord and Niagara grapes only.

Ponnax can modify the grape plant by regulating its growth and development. **Ponnax** may cause one or more of the following effects: reduction of internodal length, reduction of cane length, darker green leaf color, and increased berry set (more berries/cluster). Some of these effects can translate to improved yield potential.

Cleaning Spray Equipment

Clean application equipment thoroughly by using a strong detergent or commercial sprayer cleaner according to the manufacturer's directions and then triple rinsing the equipment before and after applying this product.

II. Application Instructions

Application Timing

Ponnax should be applied between the beginning of flowering and initial fruit set, but optimum results are achieved at mid-bloom (50% bloom).

Application Rate

Apply **Ponnax** at a rate of 10-16 fluid ounces (0.67-1 pint) per acre. A nonionic surfactant at a rate of 0.1% v/v should be included.

Method of Application

Although **Ponnax® plant regulator** is systemic, good coverage and contact with blooms is required for optimal performance. Spray volumes of 30-150 gallons per acre may be used.

III. General Mixing Information

Additives and/or other pesticides may be mixed in the spray tank with **Ponnax** using the information in this section.

Tank Mix Partners/Components

Other products registered for use in grapes may be tank mixed with **Ponnax** according to the specific tank mixing instructions in this label and respective product labels.

Read and follow the applicable **Restrictions and Limitations** and **Directions For Use** on all products involved in tank mixing. The most restrictive labeling applies to tank mixes.

Separate applications should be made if all target pests are not at the labeled growth stage for treatment at the same time.

Physical incompatibility, reduced pest control, or crop injury may result from mixing **Ponnax** with other pesticides (fungicides, insecticides, or miticides), additives, or fertilizers. BASF does not recommend using tank mixes other than those listed on BASF labeling. Local agricultural authorities may be a source of information when using other than BASF recommended tank mixes.

Compatibility Test for Mix Components

Before mixing additives and/or other pesticides, always perform a compatibility jar test.

For 20 gallons per acre spray volume, use 3.3 cups (800 ml) of water. For other spray volumes, adjust rates accordingly. Only use water from the intended

source at the source temperature.

Add components in the sequence indicated in the **Mixing Order** using 2 teaspoons for each pound or 1 teaspoon for each pint of recommended label rate per acre.

Always cap the jar and invert 10 cycles between component additions.

When the components have all been added to the jar, let the solution stand for 15 minutes. Evaluate the solution for uniformity and stability. The spray solution should not have free oil on the surface, nor fine particles that precipitate to the bottom, nor thick (clabbered) texture. If the spray solution is not compatible, repeat the compatibility test with the addition of a suitable compatibility agent. If the solution is then compatible, use the compatibility agent as directed on its label. If the solution is still incompatible, do not mix the ingredients in the same tank.

Mixing Order

When mixing additives and/or other pesticides in a spray tank, add the products to be used in the following sequence.

- 1) **Water.** Begin by agitating a thoroughly clean sprayer tank three-quarters full of clean water.
- 2) **Agitation.** Maintain constant agitation throughout mixing and application.
- 3) **Products in PVA bags.** Place any product contained in water-soluble PVA bags into the mixing tank. Wait until all water-soluble PVA bags have fully dissolved and the product is evenly mixed in the spray tank before continuing.
- 4) **Water-dispersible products** (such as dry flowables, wettable powders, suspension concentrates, or suspo-emulsions). If an inductor is used, rinse it thoroughly after the component has been added.
- 5) **Water-soluble products** (such as **Ponnax** and nonionic surfactants). If an inductor is used, rinse it thoroughly after the component has been added.
- 6) **Emulsifiable concentrates.** If an inductor is used, rinse it thoroughly after the component has been added.
- 7) **Water-soluble additives.** If an inductor is used, rinse it thoroughly after the component has been added.

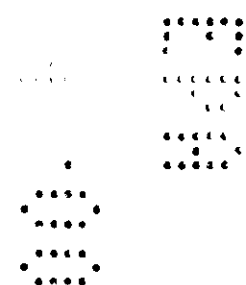
IV. Restrictions and Limitations

- Do not apply **Ponnax® plant regulator** on species other than Concord or Niagara grapes.
- **Maximum seasonal use rate:** Do not apply more than a total of **1 pint of Ponnax** (0.25 pounds a.i.) per acre, per season.
- **Restricted Entry Interval (REI): 12 hours**
- Do not apply **Ponnax** to vines under stress conditions; e.g., drought stressed, temperature stressed, disease or insect stressed, nutrient stressed, winter injury, etc., since such treatment may further reduce vegetative growth.
- Do not apply **Ponnax** after the end of the flowering or bloom period.
- **Rainfast period:** **Ponnax** is rainfast 6 hours after application.
- Do not graze animals on cover crops grown among sprayed vines.
- Do not apply this product by aerial application nor through any kind of irrigation system.

Table 1. Crop-Specific Restrictions and Limitations¹

Crop	Maximum Rate Per Acre Per Application	Maximum Rate Per Acre Per Season	Livestock Grazing or Feeding	Aircraft Application
Grape	1 pint	1 pint	No	No

110



777

Crops

This product can be used on the following crops:

Grape

Look inside for complete **Restrictions and Limitations** and **Application Instructions**.

Conditions of Sale and Warranty

The **Directions For Use** of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of BASF CORPORATION ("BASF") or the Seller. All such risks shall be assumed by the Buyer. BASF warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the **Directions For Use**, subject to the inherent risks, referred to above. BASF MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. IN NO CASE SHALL BASF OR THE SELLER BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. BASF and the Seller offer this product, and the Buyer and User accept it, subject to the foregoing **Conditions of Sale and Warranty** which may be varied only by agreement in writing signed by a duly authorized representative of BASF.

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