



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

May 17, 2017

Kevin Kutcel  
Brooker Chemical Corporation  
3835R E. Thousand Oaks Blvd.  
Westlake, CA 91362

Subject: Label Amendment – New Marketing Statements, Simplified Directions for Use and Simplified Warranty and Disclaimer.  
Product Name: “Hormex Vitamin B1 & Hormone Concentrate”  
EPA Registration Number: 8281-9  
Application Date: 03/24/2017  
Decision Number: 528008

Dear Mr. Kutcel:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.


A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. “To distribute or sell” is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

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

Page 2 of 2  
EPA Reg. No. 8281-9  
Decision No. 528008

with FIFRA section 6. If you have any questions, please contact Gene Kaudy by phone at 703-347-0585, or via email at [Kaudy,gene@epa.gov](mailto:Kaudy,gene@epa.gov).

A handwritten signature in cursive script that reads "Shaja B. Joyner".

Shaja B. Joyner, Product Manager 20  
Fungicide-Herbicide Branch  
Registration Division 7505P

**HORMEX\* VITAMIN B1 & HORMONE CONCENTRATE**  
 TO PREVENT TRANSPLANT SHOCK AND PROMOTE PLANT GROWTH

Ingredient Statement

Active Ingredient

1-Napthaleneacetic Acid.....	0.24%
OTHER INGREDIENTS.....	99.76%
TOTAL.....	100.0%

\*Includes Vitamin B1 (Thiamin Hydrochloride - 0.25%)

KEEP OUT OF REACH OF CHILDREN

**CAUTION**

**FIRST AID**

<b>If on Skin or clothing:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> </ul>
<b>If in Eyes:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15 - 20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> </ul>
<b>If Inhaled:</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.</li> </ul>
<b>If Swallowed:</b>	<ul style="list-style-type: none"> <li>• Call a Poison Control Center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by the Poison Control Center or doctor.</li> <li>• Do not give anything to an unconscious person.</li> </ul>

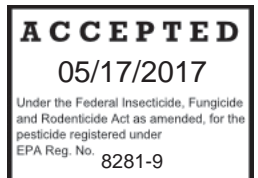
**EMERGENCY INFORMATION**

Have the product container or label with you when calling poison control center, doctor or going for treatment.  
 FOR THE FOLLOWING EMERGENCIES, 24 HOURS A DAY  
 For Medical & Transportation Emergencies (including spills or leaks) Call 800-424-9300.  
 For Product Use Information Call 818-576-1100

EPA Reg. No. 8281-9    EPA Est. No. 8281-CA-1

**Optional marketing statements**

- Over 50 years of proven plant science
- Accelerates plant growth
- Improves growing success
- Prevents transplant shock
- Faster & stronger roots for all plant varieties



## **PRECAUTIONARY STATEMENTS**

### **HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

CAUTION: Harmful if absorbed through skin or inhaled. Wash thoroughly with soap and water after handling and before eating, drinking, smoking or using the toilet. Remove and wash contaminated clothing before reuse.

### **PERSONAL PROTECTIVE EQUIPMENT**

All mixers, loaders, applicators, flaggers, and other handlers must wear: Long-sleeved shirt and long pants. Shoes plus socks, and chemical resistant gloves made of any waterproof material. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

### **USER SAFETY RECOMENDATIONS**

Users should wash hands before eating drinking, smoking, or using the restroom. Users should remove clothing/PPE immediately if product gets inside. Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

### **ENVIRONMENTAL HAZARDS**

Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from treated areas. Do not apply where runoff is likely to occur. Do not contaminate water when disposing of equipment washwater or rinsate.

### **DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Hormex Vitamin B-1 Hormone Concentrate is a root stimulant formulated to prevent and overcome transplant shock in plants. Hormex Vitamin B-1 Hormone Concentrate is not a fertilizer but is intended for use to aid in the success of transplanting and establishing plant material.

### **AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR 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), notification to workers, 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 48 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 • Protective eyewear.

### **RESTRICTIONS:**

Do not apply this product in a way that will contact any person, or pet, either directly or through drift. Keep people and pets out of the area during application. Only protected handlers may be in the area during application. For broadcast use, the maximum application rate is 0.11 pound active ingredient per acre of NAA equivalent for all uses. The maximum applications rate per year or crop cycle is not to exceed 0.33 pound active ingredient per acre of NAA equivalent. The minimum interval between applications is to be no less than 5 days. Hormex Vitamin B1 & Hormone Concentrate is not to be used for human consumption. Use on plant material only such as plant cuttings, potted plants, trees, shrubs, house plants or flowers.

### **INSTRUCTIONS:**

Hydroponics & Aeroponics - 1 - 2 tsp. per gallon of water when changing or adding water.

Cuttings - Dip base of cuttings in full strength Hormex for 1 – 5 minutes before planting in soil or other growing medium.

Transplanting - Drench newly planted soil area with Hormex solution containing 1-2 tsp. per 5 gallons of water once per week until established.

Bare Root Planting - Presoak plants for 15 minutes in solution of 2 tsp. per gallon of water. Then follow the "transplanting" directions.

Lawns and Groundcover - Use 1 oz. per 100sq. ft. applied though hose end sprayer.

Indoor Plants & Cut Flowers - Use 1 tsp. per gallon of water, every time you water or ½ tsp. for per quart vase.

### STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Store product in its original container in a cool, dry, locked place out of reach of children.

**PESTICIDE DISPOSAL: If empty:** Do not reuse this container. Place in trash or offer for recycling if available.

**If Partly Filled:** Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

**CONTAINER DISPOSAL:** Nonrefillable container. Do not reuse or refill this container. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.

### WARRANTY AND DISCLAIMER:

Seller makes no warranty or guarantee of any kind, express or implied, concerning effects of use of this product, other than those specified on this label. Buyer or user accepts all responsibility for results due to misuse or improper handling of this product.

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