

PM 22

68891-3

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ACCEPTED
 DEC 20 1996
 Under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 68891-3

PROPEL™

PLANT GROWTH REGULATOR

Active Ingredient	
2-hydroxypropanoic acid *	80.0%
Inert Ingredients	20.0%
TOTAL	100.0%

* Contains 8 lbs of active ingredient per gallon

WARRANTY LIMITATIONS AND DISCLAIMER

1 Entek warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated when used in accordance with the use directions under normal conditions. Entek neither makes, nor authorizes any agent or representative to make any other warranty of fitness or of merchantability guarantee or representation express or implied concerning this material.

2 Critical and unforeseeable factors beyond Entek's control prevent Entek from eliminating all risks in connection with the use of this material. Such risks include but are not limited to damage to plants and crops to which the material is applied, lack of complete control and damage caused by drift to other plants or crops. Such risks occur even though the product is reasonably fit for uses stated herein and even though label directions are followed. Buyer and user acknowledge and assume all risks and liability resulting from the handling, storage and use of this material (except those assumed by Entek in (1) above). Entek shall not be liable for incidental or consequential damages.

PATENTS AND PATENTS PENDING

The product contained herein is described in the following U.S. method of use patent 4863506 and 5510322. Other U.S. and foreign patents are pending.

A license is hereby granted to the purchaser under the above listed U.S. Patent only and only for the use of the product contained herein and only in accordance with the instructions on this label. **NO OTHER LICENSE EXPRESS OR IMPLIED IS GRANTED. NOT FOR EXPORT.**

TRADEMARKS

PROPEL™ is a trademark of Entek Corporation

Manufactured for



Entek Corporation
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 Brea CA 92822-0458
 (800) 760-7150

KEEP OUT OF REACH OF CHILDREN

DANGER PELIGRO

Si usted no entiende la etiqueta busque a alguien para que se la explique a usted en detalle. (If you do not understand the label find someone to explain it to you in detail.)

SEE ADDITIONAL PRECAUTIONARY STATEMENTS
 ON THE NEXT PAGE

STATEMENT OF PRACTICAL TREATMENT

IF IN EYES Hold eyelids open and flush with 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 SWALLOWED Call a physician or get medical attention. Do not induce vomiting. Drink promptly a large quantity of milk, egg whites, gelatin solution or if these are not available, drink large quantities of water. Avoid alcohol.

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

PHYSICIAN Call 1 (800) 424-9300 for further information.

EPA Reg No 68891-3

EPA Est No _____

48498 CA 1 _____ 51896 WA 1 _____, 68891 CA 1 _____

Net Contents _____ Gallons

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER

CORROSIVE. Causes irreversible eye damage or skin burns. Harmful if swallowed or absorbed through the skin. Do not get in eyes on skin or on clothing.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

- Applicators and other handlers must wear
 - Coveralls over long-sleeved shirt and long pants
 - Waterproof gloves
 - Chemical-resistant footwear plus socks
 - Protective eyewear
 - Chemical-resistant headgear for overhead exposure
 - Chemical-resistant apron when cleaning equipment, mixing, or loading

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

ENGINEERING CONTROLS STATEMENTS. 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.

Do not work in enclosed areas or clean up large spills without NIOSH-approved respiratory protection.

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 outside of gloves before removing. 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 areas treated. Do not apply where runoff is likely to occur. Do not contaminate water when disposing of equipment wash waters. Do not apply in any manner not specified on the label.

CHEMIGATION

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

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.

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 in this labeling about personal protective equipment (PPE) and restricted-entry intervals and notification to workers. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard (WPS).

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 over long-sleeved shirt and long pants
- Waterproof gloves
- Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure

Notify workers of the application by warning them orally and by posting warning signs at entrances to treated areas.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. **Pesticide Storage:** Do not store at temperatures above 140°F. Do not store mixed material.

Pesticide Disposal: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or residue 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: Triple rinse (or equivalent) all containers and offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

GENERAL USE INSTRUCTIONS

Before using this material read warranty limitations and disclaimer

Unless otherwise indicated in the specific instructions for a particular crop PROPEL™ should be used with an agriculturally approved high quality non ionic surfactant at a rate of 1 2 quarts per 100 gallons of water (0 25% 0 50%)

TANK MIXES OF PROPEL AND PRODUCTS OTHER THAN AGRICULTURALLY APPROVED SURFACTANTS ARE NOT RECOMMENDED

ALMONDS

To increase nut set apply two pints of PROPEL per acre immediately following bloom (early nut set) using sufficient spray volume for complete coverage (usually 100 to 300 gallons per acre)

APPLES

To promote fruit set and increase solids apply 2 to 4 pints of PROPEL per acre during full king bloom To enhance the rate of ripening apply 1 to 2 pints of PROPEL per acre 30 to 45 days prior to normal harvest date Apply higher labeled rate where optimum growing conditions and maximum growth is taking place If a surfactant is used its use rate shall not exceed four ounces per 100 gallons of spray volume on maturing fruit Use sufficient spray volume for complete coverage of the trees (usually 200 to 300 gallons per acre)

BEANS (Green and Dry)

To increase pod set apply 1 to 2 pints of PROPEL per acre at full bloom using sufficient spray volume for complete coverage (usually 20 to 60 gallons per acre by ground or 10 gallons per acre by air)

BROCCOLI, CABBAGE, CAULIFLOWER

To increase yield and hasten maturity apply 1 to 2 pints of PROPEL per acre one to three weeks after thinning or transplanting Apply higher labeled rate where optimum growing conditions and maximum growth is taking place Use sufficient spray volume for complete coverage (usually 30 to 60 gallons per acre by ground or 10 gallons per acre by air)

CHERRIES

To hasten ripening and increase fruit sugar and average fruit weight apply 1 pint of PROPEL per acre at jacket split or three to four weeks prior to the anticipated harvest date using sufficient spray volume for complete coverage (usually 200 to 300 gallons per acre)

CITRUS

To increase fruit set apply 2 to 4 pints of PROPEL per acre at petal fall or shortly thereafter no less than 30 days before natural thinning using sufficient spray volume for complete coverage (usually 300 to 400 gallons per acre by ground or 20 gallons per acre by air) Apply higher labeled rate where optimum growing conditions and maximum growth is taking place

CORN (Sweet and Field)

To increase yield apply 8 ounces of PROPEL per acre at the 2 to 4 leaf stage, using sufficient spray volume for complete coverage (usually 20 to 30 gallons per acre by ground or 10 gallons per acre by air)

COTTON

To increase set (decrease square drop) apply 1 pint of PROPEL per acre to cotton at first bloom or 40 to 65 days after cotton emergence, using sufficient spray volume for complete coverage (usually 20 to 50 gallons per acre by ground or 5 gallons per acre by air)

GRAPES

To increase berry weight, apply 2 pints of PROPEL per acre 3 to 14 days post shatter To hasten maturity and increase fruit sugars apply 1 to 2 pints of PROPEL per acre at the onset of ripening (veraison) Apply higher labeled rate where optimum growing conditions and maximum growth is taking place Use sufficient spray volume for complete coverage (usually 50 to 150 gallons per acre)

LETTUCE

To increase vegetative plant growth (yield) apply 1 to 2 pints of PROPEL per acre one to three weeks after thinning or transplanting or 1 to 3 weeks prior to harvest using sufficient spray volume for complete coverage (usually 20 to 60 gallons per acre by ground or 10 gallons per acre by air)

ONIONS (Dry Bulb and Storage Crops)

To increase the bulb diameter and onion yield make one application of PROPEL at 1 5 pints per acre when onion bulb diameter has become slightly larger than the plant neck immediately above or when the onion foliage is at five to seven leaf stage Apply 15 to 20 gallons of tank mix solution per acre by ground equipment as a directed spray to the planted row or a minimum of 10 gallons per acre by air

PEANUTS

To increase yield apply 8 ounces of PROPEL per acre to runner type or Virginia type peanuts when plants are in full bloom This will generally be 40 to 50 days after peanut plants emerge (approximately 50 to 60 days after planting) Apply sufficient spray volume for complete coverage (usually 20 to 50 gallons per acre by ground or 5 gallons per acre by air)

PEPPERS (Green and Chili)

To increase set apply 1 to 2 pints of PROPEL per acre at full bloom using sufficient spray volume for complete coverage (usually 20 to 60 gallons per acre by ground or 10 gallons per acre by air)

PINEAPPLE

To induce more rapid growth and root initiation use in a planting material dip at a rate of 1000 to 2000 ppm solution (one gallon of PROPEL in 600 to 1200 gallons of water) to crowns and/or slips Follow 30 days later by foliar application at 2 pints of PROPEL per acre using sufficient spray volume for complete plant coverage (usually 60 to 125 gallons per acre) To increase the level and rate of sugar formation apply 2 pints of PROPEL per acre 30 to 45 days prior to scheduled harvest using sufficient spray volume for complete coverage (usually 60 to 125 gallons per acre)

POTATOES

To increase yield and quality apply one pint of PROPEL per acre when the plants reach 15 to 20 inches in height (when the tubers are less than 3/4 inches in size) Use sufficient spray volume to ensure adequate coverage which is 15 to 25 gallons per acre by ground equipment and 10 gallons per acre by air application

PRUNES

To hasten ripening and increase solids apply 2 pints of PROPEL per acre immediately following bloom using sufficient spray volume for complete coverage of the trees (usually 200 to 300 gallons per acre by ground or 10 gallons per acre by air)

STRAWBERRIES

To increase the number of runners apply 1 to 2 pints of PROPEL per acre 30 days after transplanting Apply 2 pints of PROPEL per acre at mid bloom to increase set and compress fruit maturity Use sufficient spray volume for complete coverage (usually 30 to 60 gallons per acre by ground or 10 gallons per acre by air)

SUGARCANE

To increase shoot initiation rooting and rate of growth dip seed piece in 1000 to 2000 ppm solution (one gallon of PROPEL in 600 to 1200 gallons of water) Follow in thirty days with foliar application at 2 pints of PROPEL per acre using sufficient spray volume for complete coverage (usually 30 to 60 gallons per acre by ground or 10 gallons per acre by air) To maintain stalk growth (internode length) during winter apply 2 pints of PROPEL per acre from mid October through mid November using sufficient spray volume for complete coverage For seed cane apply 2 pints of PROPEL per acre 30 to 90 days after transplanting or emergence using sufficient volume for complete coverage (usually 20 to 60 gallons per acre by ground or 10 gallons per acre by air)

TOMATOES (Cannery Varieties)

To increase fruit set and/or promote earlier maturity (more red fruit) and enhance average fruit weight and soluble solids, apply 2 pints of PROPEL per acre at full bloom (maximum flowering) To enhance the crop maturation rate, apply 2 pints of PROPEL per acre 15 days prior to the anticipated harvest date PROPEL should be applied using sufficient spray volume for complete coverage (usually 30 to 60 gallons per acre by ground or 10 gallons per acre by air) at both timings

TOMATOES (Fresh market)

To increase fruit set, apply 1 to 2 pints of PROPEL per acre between first and second open bloom (first and second cluster) To enhance ripening and crop maturation apply 1 to 2 pints of PROPEL per acre 15 days prior to the anticipated harvest date PROPEL should be applied using sufficient spray volume for complete coverage (usually 30 to 60 gallons per acre by ground or 10 gallons per acre by air) at both timings

TOMATOES (Transplant)

To improve transplant vigor PROPEL may either be mixed with starter (transplant) solution or setting water at 1 pint per 100 gallons or may be sprayed on transplants at 1 pint of PROPEL per acre immediately after planting PROPEL should be applied using sufficient volume for complete coverage (usually 30 to 60 gallons per acre by ground or 10 gallons per acre by air)

WALNUTS

To increase nut set apply 2 pints of PROPEL per acre immediately after bloom using sufficient spray volume for complete coverage (usually 100 to 300 gallons per acre)