



OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

January 16, 2025

Micah Reynolds
Regulatory Consultant for Plant Health Care Inc.
c/o Ramboll
4245 North Fairfax Drive, Suite 700
Arlington, VA 22203

Subject: Non-PRIA (Pesticide Registration Improvement Act) Labeling Amendment – Addition of a new sublabel (C-2) to include seed treatment co-pack labeling, inclusion of alternate brand names for sublabel C-2, revisions to the use directions to provide more specificity to the use sites and use rates, and updates to company information, container handling information, lot/batch code identification, net contents information, and warranty/disclaimer sections
Product Name: ProAct®
EPA Registration Number: 71771-3
EPA Receipt Date: 07/12/2024
Action Case Number: 00623850

Dear Mr. Reynolds:

The amended labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable.

The alternate brand names: VigorPro, HarvestPrime, GrowthGuard, AgriThrive, and PlantPower have been added to the registration, and our records have been updated accordingly. This approval does not affect any terms or conditions that were previously imposed on this registration. You continue to be subject to existing terms or 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 (1) copy of the final printed labeling before you release this 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 your company's website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the U.S.

Environmental Protection Agency or the EPA. If the website is false or misleading, the product will be considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the 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 EPA find or if it is brought to our attention that a website contains statements or claims substantially differing from statements or claims made in connection with obtaining a FIFRA section 3 registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

Your release for shipment of this product constitutes acceptance of these terms. If these terms are not complied with, this registration will be subject to cancellation in accordance with FIFRA section 6.

If you have any questions, please contact Stephanie Kelly via email at kelly.stephanie@epa.gov.

Sincerely,



Digitally signed by
ALAN REYNOLDS
Date: 2025.01.16
17:53:38 -05'00'

Alan Reynolds, Product Manager 94
Emerging Technologies Branch
Biopesticides and Pollution
Prevention Division (7511M)
Office of Pesticide Programs

Enclosure: Master Label Stamped "Accepted"

[Note to reviewer: [Text] in brackets indicates optional text].

ProAct Master Label Index

Section A:Agricultural & Commercial Uses
Section B: Commercial Seed Treatment
Section C-1:.....Pre-Plant Seed Treatment
Section C-2:Pre-Plant Seed Treatment Co-Pack
Section D:.....Residential (Home & Garden) Use
Section E:.....Bulk Product – For Re-packaging or Formulating Use Only

Section A. Agricultural & Commercial Uses

ProAct®

[Alternate Brand Names: EMPLOY®, PHC-575, EMPLOY® H&T, Messenger® Gold, αβpro]

[FOR USE IN CALIFORNIA]

A Biochemical Pesticide [OPTIONAL TEXT: for foliar use] that:

[OPTIONAL TAG LINES – For use individually or in combination on labels: Harpinqβ™ Protein Inside [Logo]; Powered by Harpinqβ™ Protein [Logo]; Contains Proprietary Harpinqβ™ Protein [Logo]; Is especially formulated for use on a wide range of agricultural crops to: provide protection against crop yield loss and decreased harvest quality; Improves stand establishment; Improves standability; Decreases lodging; Increases plant stamina and vigor; Plant Health Regulator; Plant Health Promoter; Suppresses nematode egg production[*]; Facilitates Integrated Pest Management Programs; Enhances crop growth, quality, and yield; Enhances growth; Yield enhancer; Increases calcium uptake and mobilization in fruit and vegetable crops which enhances crop quality at harvest, marketable yield, storage quality and harvest shelf life; Improves crop tolerance to abiotic stress conditions such as heat, drought, and salinity; Aids in management of post-harvest diseases; Reduces transplant shock; Extends post-harvest storage, shelf life, and salability; Reduces crop injury associated with fungicide and herbicide applications.] [*In California, only for suppression of the following nematodes: root knot, soybean cyst, and root lesion.]

Wettable Dry Granule

ACTIVE INGREDIENT:

Harpinqβ Protein: 1.0%

Other Ingredients 99.0%

Total100.0%

EPA Reg. No. 71771-3

EPA Est. No. XXXXX-XX-XXX

KEEP OUT OF REACH OF CHILDREN

CAUTION

PRECAUCIÓN

See additional precautionary statements elsewhere on this label. [ALTERNATE TEXT: See [(side)(back)] panel for additional precautionary statements and first aid.]

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.)

PLANT HEALTH CARE, INC.
242 South Main Street, Suite 216
Holly Springs, NC 27540
1-800-421-9051

www.planthealthcare.com

Read the entire label before using this product. Read WARRANTY AND DISCLAIMER before buying or using. If terms are not acceptable, return at once unopened.

[Lot] [Batch] [No.] [Code]: XXXXX

(Note to reviewer: Lot/batch number may be placed on the label or printed directly onto product packaging/container.)

NET WEIGHT: [8.0 oz. – 1,102.3 lbs.]

ACCEPTED

01/16/2025

Under the Federal Insecticide, Fungicide
and Rodenticide Act as amended, for the
pesticide registered under
EPA Reg. No. 71771-3

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if inhaled. Avoid breathing dust or spray mist. Remove and wash contaminated clothing before reuse.

FIRST AID	
If Inhaled:	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. • Call a poison control center or doctor for further treatment advice.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency medical treatment information, call the National Pesticide Information Center at 1-800-858-7378, 6:30 AM to 4:30 PM Pacific Time, seven days a week. During other times, call the poison control center at 1-800-222-1222.	

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants.
- Shoes and socks.

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

USER SAFETY RECOMMENDATIONS

- Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Users should remove clothing/PPE immediately if pesticide 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

For terrestrial uses: Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash waters or rinsate.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in any 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 State or Tribal 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 on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box 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 4 hours.

Exception: If the product is soil injected or soil incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

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; and
- Shoes and socks.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of the product that are not within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses.

Keep unprotected persons out of treated areas until sprays have dried.

PRODUCT INFORMATION

ProAct stimulates the plant's natural growth and defense systems, enhancing overall plant health, crop growth, quality, and yield. **[ALTERNATE TEXT:** ProAct stimulates the natural growth and defense systems of crops, enhancing overall plant health; Increases calcium uptake and mobilization in potatoes and root and tuber crops; Improves crop tolerance to abiotic stress conditions such as heat, drought, and salinity; Aids in the management of post-harvest diseases; Reduces transplant shock; Extends post-harvest shelf life and salability; Reduces crop injury and yield losses associated with foliar herbicide applications in rice.] Healthier plants exhibit increased plant stamina and vigor, leading to one or more of the following benefits: increased plant growth, improved crop stand, decreased crop lodging, suppressed nematode egg production, increased marketable yield, enhanced quality, extended shelf life, and improved transplant recovery.

ProAct is a tool for use in Integrated Crop Management (ICM). **[ALTERNATE TEXT:** ProAct is a tool for use in Integrated Landscape Management.] Product efficacy is based on its ability to activate the internal defense and growth mechanisms which are common in all [agricultural crops] [turf, ornamental, & landscape applications]. It has no direct killing effect on pests. ProAct works best when used in conjunction with good crop management practices. **[ALTERNATE TEXT:** ProAct works best when used in conjunction with good landscape management practices.]

NEMATODE EGG SUPPRESSION AND PLANT GROWTH

ProAct can be used to suppress nematode egg production while improving plant and root growth. ProAct offers a different mode of action [through systemic acquired resistance] for nematode suppression. Use of a labeled pre-plant application of a soil fumigant, contact nematicide, or nematicidal seed treatment is typically needed for nematode suppression in most crops. **[ALTERNATE TEXT:** Use of a labeled pre-plant application of a soil fumigant, contact nematicide, or nematicidal seed treatment is suggested for nematode management in most situations.] Apply ProAct for supplemental suppression of nematode egg production.

GROWTH ENHANCEMENT AND MARKETABLE YIELD

Use ProAct to:

- overcome transplant shock,
- enhance plant growth and quality,
- reduce crop injury associated with fungicide and herbicide applications,
- mend rhizomatous turf types,
- and increase plant health and vigor to enhance crop quality and marketable production.

POST-HARVEST BENEFITS

Use ProAct to extend storage and shelf life and overcome transplant shock through pre-harvest applications. [**ALTERNATE TEXT:** Use ProAct to extend post-harvest storage, shelf life, and salability.]

SITES

Use ProAct for greenhouse, shadehouse, nursery, and field production of all plants and crops listed on this label. [**ALTERNATE TEXT:** Use ProAct on plants in ornamental gardens, athletic fields, parks, golf courses, and public or private lawns and grounds, and that are intended for aesthetic purposes or climatic modification.]

COVERAGE

Use spray volume adequate to obtain coverage without runoff. Uniform or full leaf coverage is helpful but is not required.

DAYS TO HARVEST

ProAct has a zero day Pre Harvest Interval (PHI). ProAct can be applied up to the day of harvest.

USE PRECAUTIONS

USE PROMPTLY

Use product on the same day it is mixed with water and use opened packages within 3 weeks. Carefully reseal opened packages to minimize exposure to air and moisture.

TANK MIXING

Use in Mixtures: ProAct is believed to be compatible with most other labeled pesticides, such as post-emergence herbicides, insecticides, acaricides, nematocides, and fungicides, as well as most foliar nutritional products. To determine the physical compatibility of this product with other products, use a jar test. Using a quart jar, add the proportionate amounts of the products to approximately one quart of water with agitation. Add dry flowables first, then flowables, and then emulsifiable concentrates last. After thorough mixing, allow this mixture to stand for 5 minutes. If the combination remains mixed or can be readily remixed, it is physically compatible. Once compatibility has been confirmed, use the same procedure for adding products to the spray tank. Do not mix this product with any other product containing a label prohibition against such mixing. When tank mixing ProAct with any other approved pesticide, always read and follow all use directions, restrictions, and precautions of both ProAct and the tank mix partner(s). The resulting tank mix must be used in accordance with the most restrictive label limitations and precautions. Do not exceed label dosage rates. If ProAct cannot be put in the tank first, before adding it to the tank, slurry the ProAct in a small amount of clean water and add the slurry to the tank.

Herbicide Tolerant Crops: When tank mixing ProAct with glyphosate, dicamba, glufonisate, or 2,4-D for application on crops designated Roundup Ready®, Xtendimax®, Engenia®, Tavium®, Enlist One®, Enlist Duo®, etc. only use formulations of foliar herbicides that are fully labeled for use on registered crops. Never spray this mixture on crops that are not designated Roundup Ready®, Xtendimax®, Engenia®, Tavium®, Enlist One®, Enlist Duo®, etc. as severe injury or death of the crop can occur. Some foliar herbicide formulations allow for the addition of surfactants. Please refer to the surfactant recommendations from the manufacturer.

Precautions: Do not use ProAct in tank mixes or water below pH 5 or above pH 10. Do not mix this product with pyrophosphates, phosphoric acid, or other strong oxidizers.

Surfactants: Use only non-ionic adjuvants in spray mixtures with ProAct.

[OPTIONAL TEXT: DILUTION WATER QUALITY

If dilution water is high in total mineral content, salinity, suspended solids and/or exhibits any other factors that reduce the solubility of ProAct, then first dissolve ProAct in an appropriate volume of “clean water” such as municipal tap water. Pour the dissolved ProAct solution into the dilution water for the spray (see step 1 of “Mixing Instructions”).]

[OPTIONAL TEXT: DILUTION WATER QUANTITY

If 1 ounce of ProAct is diluted in more than 35 gallons of chlorinated water (e.g., municipal water), add a labeled water treatment product to remove excess chlorine before adding ProAct. Consult your Plant Health Care representative if you need further directions on water treatment.]

CROP RIPENING

Crop maturity can infrequently differ in crops treated with ProAct. User must monitor crops for maturity and harvest accordingly.

RAIN

Do not apply during rain. ProAct is rainfast 30 minutes after application. Reapplication is not necessary if the spray has dried before rain begins.

STRESSED PLANTS

Plants must be actively growing at the time of foliar applications. Applications made to plants that are stressed by extreme heat, cold, moisture, or nutrient deficiency can be less effective.

SPRAY DRIFT

Avoiding spray drift at the application site is the responsibility of the applicator. The interactions of many equipment and weather-related factors determine the potential for spray drift. The applicator and the grower are responsible for considering these factors when making decisions.

MIXING INSTRUCTIONS

Step 1. Fill at least one-half of the mix tank with clean water. Provide gentle agitation.

Step 2. If 1 ounce of ProAct is diluted in more than 35 gallons of chlorinated water, add a labeled water treatment product and continue gentle agitation. [(see Use Precautions on “Dilution Water Quantity”).]

Step 3. Add the required amount of ProAct. Agitate until dissolved and avoid excessive foamingL.

[OPTIONAL TEXT: If dilution water quality is suspect, dissolve ProAct in clean water before adding to the mix tank (see Use Precautions on “Dilution Water Quality”).].

Step 4. If tank mixing, add other materials to the mix tank. Add remaining water to mix tank.

Step 5. Continue gentle agitation and apply promptly.

APPLICATION INSTRUCTIONS

Apply ProAct as a pre-transplant foliar, root dip, root drench, or as a foliar application, including pre-harvest foliar applications for post-harvest benefits. **[ALTERNATE TEXT:** Apply ProAct as a pre-transplant root dip or as a foliar application.]

Pre-Plant Dip: Apply ProAct as a pre-plant foliar, root dip, or root drench to vegetable crops (e.g., asparagus, celery, collards, cole and cucurbit vegetables, eggplants, leeks, lettuce, onions, peppers, tomatillo, tomato, and other crops), ornamentals, tobacco, and small fruit crops at the rate of 1 – 6 oz per 100 gallons of water immediately prior to transplanting. **[ALTERNATE TEXT:** Apply ProAct as a pre-plant foliar or root dip to bare root ornamentals at the rate of 1 – 3 oz per 100 gallons of water immediately prior to transplanting.] **[OPTIONAL TEXT:** Wash transplants to remove excess soil prior to dipping.]

Completely immerse planting stock in solution. Dip, soak, or expose plants for a minimum of 2 to 5 minutes. DO NOT reuse dip solution. Dispose of dip solution according to local restrictions. Plant treated plants as quickly as possible. For continued crop management, follow with foliar applications of ProAct as specified in the tables that follow. **[ALTERNATE TEXT:** For continued plant management, follow with foliar applications of ProAct as specified in the sections that follow.]

Transplant Water: Apply ProAct as a root and soil drench via the transplant water for vegetable crops (e.g., asparagus, celery, collards, cole and cucurbit vegetables, eggplants, leeks, lettuce, onions, peppers, sweet potatoes, tomatillo, tomato, and other vegetable crops), and citrus, ornamentals, small

fruits, tobacco, tree fruit, tree nut, and other crops at the rate of 1 – 6 oz per 100 gallons of water at transplanting.

In-furrow: Apply as an in-furrow spray during planting directed on, below, or beside seed, seed pieces, or sugarcane seed-stalks (seed-cane), billets, or seed-stalk sections at 1 - 6 oz/A.

Foliar Application: Apply ProAct as a greenhouse or field application using conventional ground or aerial equipment. Use ProAct to enhance plant growth and vigor, to increase marketable production, or as part of an integrated pest management (IPM) program to assist disease management and obtain post-harvest benefits.

[OPTIONAL TEXT:

- **LANDSCAPE PLANTS**, such as broadleaf and coniferous trees, fruit trees, palms, vines, shrubs, brambles, berries, ground covers, perennials, and annual ornamental plants: Once per month during the growing season, apply 2 oz of ProAct per 50 gallons of water to landscape plants. If using more than 70 gallons of chlorinated water (e.g., municipal water) per acre of landscape, add a labeled dechlorinator with water before adding ProAct.]
- **TURF**, such as public and private lawns and grounds, golf courses and greens, athletic fields, and parks: Once per month during the growing season, apply 2 oz of ProAct per acre of turf. If using more than 70 gallons of chlorinated water (e.g., municipal water) per acre of turf, add a labeled dechlorinator with water before adding ProAct.]

Application via Sprinkler or Drip (Trickle) Chemigation Systems: Apply this product only through sprinkler (including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move) and drip (trickle) irrigation systems. Do not apply this product through any other type of irrigation system. Crop injury and lack of effectiveness can result from non-uniform distribution of treated water. If you have questions about your system's calibration, you should contact State Extension Service Specialists, equipment manufacturers or other experts. Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system. A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

Sprinkler Chemigation System Requirements: The system must contain a functional check valve, vacuum relief valve and low-pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from back-flow. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops. The irrigation line or water pump must include a functional pressure switch that will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump), effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock. Do not apply when wind speed favors drift beyond the area intended for treatment. Apply product continuously for the duration of the water application.

Drip (Trickle) Chemigation System Requirements: The system must contain a functional check valve, vacuum relief valve and low-pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from back-flow. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops. The irrigation line or water pump must include a functional pressure switch that will stop the water pump motor when the water pressure decreases to the

point where pesticide distribution is adversely affected. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump), effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock. Apply product continuously for the duration of the water application.

CROPS AND APPLICATION RATES

Use the following tables to make decisions on application rates and timing. Follow applicable specifications for your crop.

Nematode Suppression

Use ProAct for supplemental suppression of nematodes. Use ProAct in conjunction with other nematode management practices. Use rates are specified beside each crop or crop grouping in tables below	
Crop	Use Instructions
DIRECT-SEEDED CROPS	In Field: Use ProAct following a pre-plant application of soil fumigant, contact nematicide, or nematicidal seed treatment, if available. Make first foliar application of ProAct at early after plant emergence. Re-apply as specified in tables below.
TRANSPLANTED CROPS	Use ProAct following a pre-plant application of soil fumigant, contact nematicide, or nematicidal seed treatment, if available. Pre-Plant: Apply ProAct as a pre-plant foliar or root dip at the rate of 3 – 6 oz per 100 gallons of water immediately prior to transplanting. In Field: Make first foliar application of ProAct at 2 – 3 weeks after transplanting. Re-apply as specified in tables below.
PERENNIAL CROPS	In Field: Use ProAct following a pre-plant application of soil fumigant, contact nematicide, or nematicidal seed treatment, if available. Make first foliar application of ProAct early after plants break dormancy and begin root growth. Re-apply as specified in tables below.

GREENHOUSE AND TRANSPLANT APPLICATIONS

Use Site & Crop	Rate	Timing
Greenhouse: Any Crop Listed Elsewhere on This Label	0.5 – 3 oz per 100 gal water	Apply overhead applications early after seedling emergence. Repeat every 14 – 21 days.
Transplant: Any Crop Listed Elsewhere on This Label	0.5 – 6 oz per 100 gal water	Apply 5 – 7 days before transplanting. Can also be applied as a plant drench at transplanting.

FOOD CROP APPLICATIONS

*ARTICHOKE (GLOBE)

RATE* (oz/Acre)	Dilution (Gal/Acre)	Timing
1 – 6	10 – 200 by ground. 2 – 50 by air.	Apply as a foliar spray at 14-28 day intervals, beginning at new growth. [ALTERNATE TEXT: Begin applications when new growth starts in spring. Repeat at 21- to 28-day intervals as needed.]

*In California, EMPLOY is approved on Artichoke at 2 – 6 oz/Acre for suppression of Root Knot, Lesion, and Soybean Cyst Nematodes.

*AVOCADO

RATE (oz/Acre)	Dilution (Gal/Acre)	Timing
1 – 4	10 – 200 by ground. 2 – 50 by air.	Apply as a foliar spray at 14-35 day intervals, beginning at new growth. [ALTERNATE TEXT: 3 applications beginning before bloom and every 14-35 days thereafter.]

*Not Registered for Use by California.

***BERRIES AND SMALL FRUITS (Crop Groups 13 and 13-07)**

Including, but not limited to, Amur river grape; Aronia berry; Bayberry; Bearberry; Bilberry; Blackberry (including bingleberry, black satin berry, boysenberry, Cherokee blackberry, Chesterberry, Cheyenne blackberry, coryberry, darrowberry, dewberry, Dirkson thornless berry, Himalayaberry, hullberry, Lavacaberry, loganberry, lowberry, Lucretiaberry, mammoth blackberry, marionberry, nectaberry, olallaberry, Oregon evergreen berry, phenomenal berry, rangeberry, ravenberry, rossberry, Shawnee blackberry, youngberry, and varieties and/or hybrids of these), Blueberry; Buffalo currant, Buffaloberry; Che; Chilean guava; Chokecherry; Cloudberry; Cranberry; Currant (black and red); Elderberry; European barberry; Gooseberry; Highbush cranberry; Huckleberry; Jostaberry; Juneberry; Kiwifruit (fuzzy and hardy); Lingonberry; Maypop; Mulberry; Muntries; Partridgeberry; Phalsa; Pincherry; Raspberry (black and red); Riberry; Salal; Schisandra berry; Sea buckthorn; Serviceberry; Strawberry; and cultivars, varieties and/or hybrids of these.

RATE (oz/Acre)	Dilution (Gal/Acre)	Timing
1 – 6	10 – 200 by ground. 2 – 50 by air.	Apply at 14-28 day intervals while plants are actively growing, beginning in the greenhouse or nursery and after transplanting. Blueberry timing: pre-bloom, bloom, and after all berries are set. Strawberry timing: begin after transplants are established and every 14-28 days; For fall-transplanted strawberries, resume applications in spring. [ALTERNATE TEXT: Begin applications when plants are established or 14 days after full leaf emergence. Repeat at 14- to 28-day intervals as needed.]

*In California, EMPLOY is approved on Berries and Small Fruit at 2 – 6 oz/Acre for suppression of Root Knot, Lesion, and Soybean Cyst Nematodes.

***BRASSICA (COLE) LEAFY VEGETABLES (Crop Group 5)**

Including, but not limited to, Broccoli (all types); Brussels sprouts; Cabbage (all types); Cauliflower; Cavalo broccoli; Collards; Kale; Kohlrabi; Mizuna; Mustard greens; Mustard spinach and Rape greens.

RATE (oz/Acre)	Dilution (Gal/Acre)	Timing
1 – 6	10 – 200 by ground. 2 – 50 by air.	Begin applications at first new growth and repeat at 14-28 day intervals. [ALTERNATE TEXT: Broccoli, Cabbage, and Cauliflower Timing: 3-4 applications, first at pre-plant on transplants or after plants are established, and every 14-28 days thereafter. Other Cole Crop timing: Begin applications at first new growth and repeat at 14-28 day intervals.]

*In California, EMPLOY is approved on Brassica (Cole) Leafy Vegetables at 2 – 6 oz/Acre for suppression of Root Knot, Lesion, and Soybean Cyst Nematodes.

***BULB VEGETABLES (Crop Group 3)**

Including Garlic; Leek; Onion (dry bulb and green); Onion (Welch); and Shallot; Cavalo broccoli; Collards; Kale; Kohlrabi; Mizuna; Mustard greens; Mustard spinach and Rape greens.

RATE (oz/Acre)	Dilution (Gal/Acre)	Timing
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1 – 6	10 – 200 by ground. 2 – 50 by air.	Onion: Apply at transplant or first 2-3 leaves followed by applications at 14-21 days thereafter. Other Bulb Crops: Apply 2-3 times beginning on transplants 2-7 days before planting or at transplant establishment, and for seeded crops at 2 to 3 true leaves, and every 14-21 days thereafter. [ALTERNATE TEXT: Begin applications prior to first bloom. Repeat applications at 14- to 21-day intervals. For direct-seeded plants, begin at first true leaf.]
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*In California, EMPLOY is approved on Bulb Vegetables at 2 – 6 oz/Acre for suppression of Root Knot, Lesion, and Soybean Cyst Nematodes.

***CEREAL GRAINS (Crop Group 15) and**

FORAGE, FODDER AND STRAW OF CEREAL GRAINS (Crop Group 16)

Including, but not limited to, Barley; Buckwheat; Corn; Millet, Pearl; Millet, Proso; Oats; Popcorn; Rice; Rye; Sorghum (milo); Teosinte; Triticale; Wheat; and Wild rice.

RATE (oz/Acre)	Dilution (Gal/Acre)	Timing
0.5 - 6	5 – 200 by ground. 2 – 50 by air.	Apply at 14-28 day intervals, beginning at new growth. [ALTERNATE TEXT: Spring Wheat timing: at start of stem elongation. Winter Wheat timing: with post-emergent herbicide in spring or 3 leaf to early tillering stage. Rice timing: One application at the 2 leaf to 4 tiller stage, typically tank mixed with a post emergent herbicide] [ALTERNATE TEXT: Apply after complete emergence during vegetative growth phase]

*In California, EMPLOY is approved on Cereal Grains at 2 – 6 oz/Acre for suppression of Root Knot, Lesion, and Soybean Cyst Nematodes.

***CITRUS (Crop Group 10)**

Including, but not limited to, Australian lime (Desert, Finger, Round); Brown river finger lime; Calamondin; Citron; Citrus hybrids; Grapefruit; Japanese summer grapefruit; Kumquat; Lemon; Mediterranean mandarin; Mount white lime; New Guinea wild lime; Orange, sour; Orange, sweet; Pummelo; Russell river lime; Satsuma mandarin; Sweet lime; Tachibana orange; Tahiti lime; Tangelo; Tangerine; Tangor; Trifoliate orange; Uniq fruit; and cultivars, varieties and/or hybrids of these.

RATE (oz/Acre)	Dilution (Gal/Acre)	Timing
1 – 6	10 – 200 by ground. 2 – 50 by air.	Citrus (new plantings) begin at new growth, and every 30 days thereafter. Citrus (fruit retention) apply 60-45 and 30-15 days prior to harvest. Citrus (yield) First Flush, Petal Fall and First Summer Oil Citrus (nematodes) First Flush, Petal Fall and every 30 days Apply at 14-35 day intervals, beginning at new growth. [ALTERNATE TEXT: Apply at 14- to 35-day intervals, beginning before bloom initiation.]

*In California, EMPLOY is approved on Citrus at 2 – 6 oz/Acre for suppression of Root Knot, Lesion, and Soybean Cyst Nematodes.

***COFFEE**

RATE (oz/Acre)	Dilution (Gal/Acre)	Timing
1 – 4	10 – 200 by ground. 2 – 50 by air.	Apply at 14- to 28-day intervals, beginning 7 days after new growth/new spring growth is initiated. [ALTERNATE TEXT: 2-4 oz/A. Timing: beginning 7 days after growth begins, then 2 sprays @ 21-28 intervals.]

*Not Registered for Use by California.

***CURCUBIT VEGETABLES (Crop Group 9)**

Including, but not limited to, Cantaloupe; Chayote; Chinese Waxgourd; Citron Melon; Cucumber; Gherkin; Gourd, Edible; Momordica (Includes Balsam Apple, Balsam Pear, Bitter Melon, Chinese Cucumber); Muskmelon (Includes True Cantaloupe, Cantaloupe; Casaba, Crenshaw Melon, Golden Pershaw Melon, Honeydew Melon, Honey Balls, Mango Melon, Persian Melon, Pineapple Melon, Santa Claus Melon, and Snake Melon); Pumpkin; Squash, Summer (Includes Crookneck, Scallop, Straightneck, and Vegetable Marrow, and Zucchini); Squash, Winter (Includes Acorn Squash, Butternut Squash, Calabaza, Hubbard Squash, and Spaghetti Squash); and Watermelon.

RATE (oz/Acre)	Dilution (Gal/Acre)	Timing
1 – 6	10 – 200 by ground. 2 – 50 by air.	Cucumber: Apply at transplant (if applicable) followed by applications and every 14-28 days thereafter. Squash: Apply at transplant (if applicable) followed by applications and every 14-28 days thereafter. Other Cucurbits: Apply 3-4 times beginning on transplants 2-7 days before planting or at transplant establishment, and for direct seeded crops at V2-V3, and every 14-28 days thereafter. [ALTERNATE TEXT: Begin applications prior to first bloom. Repeat applications at 21- to 28-day intervals. For direct-seeded plants, begin at first true leaf.]

*In California, EMPLOY is approved on Cucurbit Vegetables at 2 – 6 oz/Acre for suppression of Root Knot, Lesion, and Soybean Cyst Nematodes.

***FRUITING VEGETABLES (Crop Group 8, Except Cucurbits)**

Including Eggplant; Ground Cherry; Pepino; Pepper (Bell, Chill, Cooking, Pimento, Sweet); Tomatillo; and Tomato.

RATE (oz/Acre)	Dilution (Gal/Acre)	Timing
1 – 6	10 – 200 by ground. 2 – 50 by air.	Bell Pepper: Apply at transplant (if applicable) and at pre-bloom followed by applications at 14-28 days thereafter. Tomato: Apply at transplant (if applicable) and at pre-bloom followed by applications at 14-28 days thereafter. Other Fruiting Vegetables: Apply 3 - 4 times in a tank mix with fungicides, insecticides, and/or foliar nutrients beginning early season soon after transplanting or at the 3-leaf stage and every 14-28 days thereafter. [ALTERNATE TEXT: Begin applications prior to first bloom. Repeat applications at 14- to 28-day intervals. For direct-seeded plants, begin at first true leaf.]

*In California, EMPLOY is approved on Fruiting Vegetables at 2 – 6 oz/Acre for suppression of Root Knot, Lesion, and Soybean Cyst Nematodes.

***GRAPE**

RATE (oz/Acre)	Dilution (Gal/Acre)	Timing
1 – 6	10 – 200 by ground. 2 – 50 by air.	Apply at 14-28 day intervals, beginning when new shoot growth is present. [ALTERNATE TEXT: Apply 2-7 applications at pre-bloom, 4-8 mm berries, berry touch (bunch closure), veraison, 2-4 weeks before harvest, and/or post harvest at fall root flush.] [ALTERNATE TEXT: Apply at 21-28 day intervals, beginning when new shoot growth is present.]

*In California, EMPLOY is approved on Grape at 2 – 6 oz/Acre for suppression of Root Knot, Lesion, and Soybean Cyst Nematodes.

***HERBS AND SPICES (Crop Group 19)**

Including, but not limited to, Allspice; Angelica; Anise; Basil; Chamomile; Caraway; Cardamom; Catnip; Celery Seed; Chive; Cinnamon; Cloves; Cocoa; Coriander; Cilantro; Cumin; Curry; Dill; Fennel; Horehound; Lavender; Lemongrass; Marjoram; Mint; Mustard; Nutmeg; Parsley (all types); Pepper; Poppy Seed; Rosemary; Saffron; Sage; Savory; Tarragon; Thyme; Vanilla; and Wintergreen.

RATE (oz/Acre)	Dilution (Gal/Acre)	Timing
1 – 2	10 – 200 by ground. 2 – 50 by air.	Apply at 14- to 28-day intervals, beginning 7 days after new growth/new spring growth is initiated.

*Not Registered for Use by California.

***HOPS**

RATE (oz/Acre)	Dilution (Gal/Acre)	Timing
1 – 4	10 – 200 by ground. 2 – 50 by air.	Apply 3 applications beginning just prior to bud formation, at flowering, and 14-28 days after flowering.

*Not Registered for Use by California.

***LEAFY VEGETABLES – EXCEPT BRASSICA VEGETABLES (Crop Group 4)**

Including, but not limited to, Amaranth, Leafy, Chinese Spinach; Arugula; Cardoon; Celery; Celery, Chinese; Celtuce; Chervil; Chrysanthemum, Edible-Leaved, Garland; Corn Salad; Cress, Garland, Upland; Dandelion; Dock (Sorrel); Endive; Fennel, Florence; Lettuce, Head and Lettuce; Orach; Parsley; Purslane, Garden, Winter; Radicchio (Red Chicory); Rhubarb; Spinach; Spinach, New Zealand and Vine; and Swiss Chard.

RATE (oz/Acre)	Dilution (Gal/Acre)	Timing
1 – 6	10 – 200 by ground. 2 – 50 by air.	Celery: Apply at transplant followed by applications on new growth at 14- to 28-day interval. Lettuce: Apply at transplant followed by applications on new growth at 14- to 28-day interval. All other crops: Begin applications at first new growth and repeat at 14 to 28-day intervals. [ALTERNATE TEXT: Begin applications prior to first bloom. Repeat applications at 14- to 28-day intervals. For direct-seeded plants, begin at first true leaf.]

*In California, EMPLOY is approved on Leafy Vegetables at 2 – 6 oz/Acre for suppression of Root Knot, Lesion, and Soybean Cyst Nematodes.

***LEGUME VEGETABLES – SUCCULENT OR DRIED (Crop Group 6)**

Including, but not limited to, Bean (Includes Grain Lupin, Sweet Lupin, White Lupin, and White Sweet Lupin); Bean (Includes Field, Kidney, Lima, Navy, Pinto, Runner, Snap, Tepary, and Wax); Bean (Includes Adzuki bean, Asparagus Bean, Blackeyed Pea, Catjang, Chinese Longbean, Cowpea, Crowder Pea, Moth Bean, Mung Bean, Rice Bean, Southern Pea, Urd Bean, and Yardlong Bean); Broad Bean; Chickpea (Garbanzo Bean); Guar; Jackbean; Lablab Bean; Lentil; Pea (Includes Dwarf Pea, Edible-Pod Pea, English Pea, Field Pea, Garden-Pea, Green Pea, Snow Pea, and Sugar Snap Pea); Pigeon Pea; Soybean; Soybean (immature seed); and Sword Bean.

RATE (oz/Acre)	Dilution (Gal/Acre)	Timing
0.5 – 6	10 – 200 by ground. 2 – 50 by air.	Peas: Apply at bud break followed by applications at 28 days thereafter. Other Legumes: Begin applications at first new growth and repeat at 14-28 day intervals. [ALTERNATE TEXT: Begin applications prior to first bloom. Repeat applications at 14- to 28-day intervals. For direct-seeded plants, begin at first true leaf.]

*In California, EMPLOY is approved on Legume Vegetables at 2 – 6 oz/Acre for suppression of Root Knot, Lesion, and Soybean Cyst Nematodes.

***NON-GRASS ANIMAL FEEDS – FORAGE, FODDER, STRAW AND HAY (Crop Group 18)**

Including, but not limited to, Alfalfa; Bean, Velvet; Clover; Kudzu; Lespedeza; Lupin; Sainfoin; Trefoil; Vetch; Vetch, Crown, Vetch, Milk.

RATE (oz/Acre)	Dilution (Gal/Acre)	Timing
1 – 6	10 – 200 by ground. 2 – 50 by air.	Apply to newly planted alfalfa beginning early after emergence or at the 3-5 trifoliate stage, and to new growth after each cutting. For established alfalfa, begin applications at first new growth in spring and to new growth after each cutting. [ALTERNATE TEXT: Begin at early emergence and every 14-35 days, thereafter.] [ALTERNATE TEXT: Apply after new growth commences and at each cutting. For newly seeded crops, begin at first true leaf.]

*In California, EMPLOY is approved for use on Non-Grass Animal Feeds at 2 - 6 oz./acre for suppression of Root Knot, Lesion, and Soybean Cyst Nematodes.

***OILSEED (Crop Group 20)**

Including, but not limited to, Cottonseed; Flax Seed; Jojoba; Milkweed; Mustard Seed; Niger Seed; Poppy Seed; Rapeseed (canola varieties only); Safflower; Sesame; Sunflower.

Cotton

RATE (oz/Acre)	Dilution (Gal/Acre)	Timing
1.0 – 6	5 – 200 by ground. 2 – 50 by air.	Apply one application in a tank mix with the first post-emergent herbicide or the 2-8 leaf to early bloom stage. [ALTERNATE TEXT: Apply after complete emergence during vegetative growth phase and every 14-35 days thereafter.] [ALTERNATE TEXT: Apply between 2 leaf stage and mid-bloom]

Canola

RATE (oz/Acre)	Dilution (Gal/Acre)	Timing
0.5 – 6	10 – 200 by ground. 2 – 50 by air.	Apply one application tank mixed with a post-emergent herbicide, insecticide, or fungicide, at the rosette stage prior to bolting. [ALTERNATE TEXT: Apply after complete emergence during vegetative growth phase and every 14-35 days thereafter.]

All other Oilseeds

RATE (oz/Acre)	Dilution (Gal/Acre)	Timing
0.5 – 6	10 – 200 by ground. 2 – 50 by air.	Apply at first true leaf, first bloom, and 21 days after first bloom to boost overall growth and production. For suppression of pests, begin applications prior to infestation and repeat at 14-35 day intervals. [ALTERNATE TEXT: Begin applications at early emergence and every 14-35 days, thereafter.]

*In California, EMPLOY is approved for use on Cotton at 2 - 6 oz./acre for suppression of Root Knot, Lesion, and Soybean Cyst Nematodes

***PEANUT**

RATE (oz/Acre)	Dilution (Gal/Acre)	Timing
0.5 – 2	10 – 200 by ground. 2 – 50 by air.	Begin applications at R3 (beginning of pod formation) and 21 to 28 days later. [ALTERNATE TEXT: Begin applications prior to first bloom. Repeat applications at 21- to 28-day intervals. For direct-seeded plants, begin at first true leaf.]

*Not Registered for Use by California.

***POME FRUIT (Crop Group 11) (Bearing and Non-Bearing)**

Including, but not limited to, Apple; Azarole; Crabapple; Loquat; Mayhaw; Hook & Arm; Medlar; Pear; Pear, Asian; Quince; Quince, Chinese and Japanese; Tejocote; and Cultivars, Varieties, and/or Hybrids of these.

RATE (oz/Acre)	Dilution (Gal/Acre)	Timing
2 – 6	10 – 200 by ground. 2 – 50 by air.	Apple Timing: Pink bud and petal fall (for fruit sizing). 30 and 15 days before harvest (for fruit coloring). Pear Timing: white bud to popcorn stage and petal fall (for fruit sizing). [ALTERNATE TEXT: Apply at 14- to 35-day intervals, beginning before bloom initiation.]

*In California, EMPLOY is approved on Pome Fruit at 2 – 6 oz/Acre for suppression of Root Knot, Lesion, and Soybean Cyst Nematodes.

***POTATO (Including Seed Production)**

RATE (oz/Acre)	Dilution (Gal/Acre)	Timing
1 – 6	10 – 200 by ground. 2 – 50 by air.	Fresh market and processor potatoes: 3 applications beginning at nickel-sized tubers, and every 21-28 days, thereafter. Potatoes grown for seed: 2 applications beginning at first hook stage and 21-18 days later. Potatoes grown for potato chips (chipper potatoes): 3 applications beginning at first hook stage, and every 21-28 days, thereafter. [ALTERNATE TEXT: Apply at first hook and repeat applications as needed every 21 – 28 days.] [ALTERNATE TEXT: Apply at tuber initiation. Repeat application every 21-28 days.]

*In California, EMPLOY is approved on Potato at 2 – 6 oz/Acre for suppression of Root Knot, Lesion, and Soybean Cyst Nematodes.

***ROOT AND TUBER VEGETABLES (Crop Group 1)**

Including, but not limited to, Arracacha; Arrowroot; Artichoke, Chinese and Jerusalem; Beet, Garden and Sugar; Burdock, Edible; Canna, Edible; Carrot; Cassava, Bitter and Sweet; Celeriac (Celery Root); Chayote (Root); Chervil, Turnip-Rooted; Chicory; Chufa; Dasheen (Taro); Ginger; Ginseng; Horseradish; Leren; Parsley, Turnip-Rooted; Parsnip; Radish; Radish, Oriental; Rutabaga; Salsify; Salsify, Black and Spanish; Skirret; Sweet Potato; Tanier; Turmeric; Turnip; Yam (all types).

RATE (oz/Acre)	Dilution (Gal/Acre)	Timing
1 – 6	10 – 200 by ground. 2 – 50 by air.	Carrots: Apply At first true leaf + 1 spray @ 14 - 21 days later. Sugarbeets timing: two applications beginning at the 2-3 leaf stage and 14-28 days later. Sweet Potatoes: Apply 2-3 applications beginning at the onset of storage root expansion or bulking, and every 21-28 days, thereafter. [ALTERNATE TEXT: Apply after complete emergence during vegetative growth phase.]

*In California, EMPLOY is approved on Root and Tuber Vegetables at 2 – 6 oz/Acre for suppression of Root Knot, Lesion, and Soybean Cyst Nematodes.

***STONE FRUIT (Crop Group 12)**

Including, but not limited to, Apricot; Apricot, Japanese; Capulin; Cherry (Black, Nanking, Sweet, and Tart); Jujube, Chinese; Nectarine; Peach; Plum (American, Beach, Canada, Cherry, Chickasaw, Damson, Japanese, Klamath, and Prune); Plumcot; Sloe; Cultivars, Varieties, and/or Hybrids of these.

RATE (oz/Acre)	Dilution (Gal/Acre)	Timing
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1 – 6	10 – 200 by ground. 2 – 50 by air.	Cherry: Apply two applications at white bud and petal fall. Peach: two applications at pit-hardening (about 28 days before harvest) and 21 days later (about 7 days before harvest). [ALTERNATE TEXT: Apply at 14- to 35-day intervals, beginning before bloom initiation.]
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*In California, EMPLOY is approved on Stone Fruit at 2 – 6 oz/Acre for suppression of Root Knot, Lesion, and Soybean Cyst Nematodes.

*SUGARCANE		
RATE (oz/Acre)	Dilution (Gal/Acre)	Timing
1 – 2	10 – 200 by ground. 2 – 50 by air.	Nursery or Seed Sugarcane: Apply to mature cane 3-10 days before harvest[†]. New Plantings In-Furrow: Apply in-furrow over cane seed stalks to ensure thorough coverage of all buds on the seed pieces[‡]. Established Sugarcane: Foliar at 90% emergence^{**}. [†]For sugarcane planted with seed already treated with Employ® in the nursery do not apply a second application in the first year. [‡]Apply in 10 to 30 gal/acre to ensure thorough coverage of all buds on the seed pieces. ^{**}Use 2.0 oz/A if > 240 days before harvest (DBH), 1.5 oz/A if 210- 240 DBH and 1.0 oz/A if <210 DBH. [ALTERNATE TEXT: Apply after new growth commences. Repeat at 28- to 35-day intervals as required.]

*Not Registered for Use by California.

*TOBACCO – All Types		
RATE (Oz/Acre)	Dilution (Gal/Acre)	Timing
0.5 – 3	10 – 200 by ground. 2 – 50 by air.	Burley tobacco: 4 applications beginning on transplants at 2.0 oz/100 gallons of water within 7 days of transplanting, and every 21-28 days, thereafter. Flue tobacco: 4 applications beginning on transplants at 2.0 oz/100 gallons of water within 7 days of transplanting, early season vegetative, just after topping, and just before 1st priming. [ALTERNATE TEXT: Begin applications when plants are established. Repeat at 21- to 28-day intervals as needed.]

*Not Registered for Use by California.

*TREE NUTS (Crop Group 14)		
Including, but not limited to, African Nut-Tree; Almond; Beechnut; Brazil Nut; Brazilian Pine; Bunya; Bur Oak; Butternut; Cajou Nut; Candlenut; Cashew; Chestnut; Chinquapin; Coquito Nut; Dika Nut; Ginkgo; Guiana Chestnut; Hazelnut (Filbert); Heartnut; Hickory Nut; Japanese Horse-Chestnut; Macadamia Nut; Mongongo Nut; Monkey-Pot; Monkey Puzzle Nut; Okari Nut; Pachira Nut; Peach Palm Nut; Pecan; Pequi; Pili Nut; Pine Nut; Pistachio; Sapucaia Nut; Tropical Almond; Walnut, Black; Walnut, English; Yellowhorn; Cultivars, Varieties, and/or Hybrids of these.		
RATE (Oz/Acre)	Dilution (Gal/Acre)	Timing
2 – 6	10 – 200 by ground. 2 – 50 by air.	Almond: Apply at Petal Fall, 30 days post petal Fall, pink bud, early leaf out, Early May, mid-May, Hull Split, and Early Post Harvest; Walnut: Apply beginning at pistillate bloom, nut development, kernel development, kernel filling, and post harvest / overwintering. All other tree nuts: Apply at 14-35 day intervals, beginning at new growth. [ALTERNATE TEXT: Apply at

		14- to 35-day intervals, beginning before bloom initiation.]
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*In California, EMPLOY is approved on Tree Nuts at 2 – 4 Oz/Acre for suppression of Root Knot, Lesion, and Soybean Cyst Nematodes.

***TROPICAL AND SUBTROPICAL FRUIT (Crop Groups 23 and 24)**

Including, but not limited to, Acai; Acerola; Banana; Bayberry, Red; Breadnut; Carob; Cherimoya; Date; Feijoa; Fig; Gooseberry; Guava; Jujube, Indian; Lychee; Mango; Monkeyfruit; Olive; Papaya, Passionfruit; Persimmon; Pineapple; Plantain; Pomegranate; Prickly Pear; Starfruit; Tamarind; and Cultivars, Varieties, and Hybrids of these commodities.

RATE (Oz/Acre)	Dilution (Gal/Acre)	Timing
1 – 3	10 – 200 by ground. 2 – 50 by air.	Apply at 14-28 day intervals beginning at new growth in the spring. [ALTERNATE TEXT: Apply at 14- to 28-day intervals, beginning 7 days after new growth is initiated.]

*Not Registered for Use by California.

***MISCELLANEOUS COMMODITIES: FIGS**

RATE (Oz/Acre)	Dilution (Gal/Acre)	Timing
1 – 3	10 – 200 by ground. 2 – 50 by air.	Apply at 14-28 day intervals beginning at new growth in the spring. [ALTERNATE TEXT: Apply at 14- to 28-day intervals, beginning 7 days after new growth/new spring growth is initiated.]

*Not Registered for Use by California.

NON FOOD CROP APPLICATIONS

***BEDDING PLANTS**

Including, but not limited to, Ageratum, Algerian Ivy, Alyssum, Anthurium, Artemisia, Aster, Baby's Breath, Begonia, Caladium, Carnation, Chrysanthemum, Coleus, Columbine, Daisy, Delphinium, Easter Lily, English Ivy, Foxglove, Gaillardia, Geranium, Gloxinia, Impatiens, Marigold, Pansy, Petunia, Phlox, Pinks, Poinsettia, Primrose, Prostrate Rosemary, Salvia, Snapdragon, Verbena, and Vinca.

RATE (Oz/Acre)	Dilution (Gal/Acre)	Timing
1 – 3	10 – 200 by ground. 2 – 50 by air.	Apply at 14- to 28-day intervals, beginning at 1-6 true leaves after emergence if grown from seed, or to new growth after transplanting or repotting. For roses, begin applications to new growth after grafted cuttings are planted, or potted and bare root roses are transplanted. [ALTERNATE TEXT: Begin applications prior to first bloom. Repeat at 14- to 28-day intervals.]

*Not Registered for Use by California.

***CONIFERS AND TREES IN COMMERCIAL NURSERIES, PLANTATIONS, FORESTS, LANDSCAPES AND PARKS**

Including, but not limited to, Christmas trees, Douglas fir, Oaks, Pines, Spruce.

RATE (Oz/Acre)	Dilution (Gal/Acre)	Timing
1 – 3	10 – 200 by ground. 2 – 50 by air.	Apply early season when new growth is present. [ALTERNATE TEXT: Begin applications when plants are established. Repeat at 14 to 35-day intervals as required.]

*Not Registered for Use by California.

***GRASSES GROWN FOR SEED**

RATE (Oz/Acre)	Dilution (Gal/Acre)	Timing
0.5 – 3	10 – 200 by ground. 2 – 50 by air.	Apply at 14 to 28-day intervals, beginning at early emergence in combination with other programs].

*Not Registered for Use by California.

***GRASS FORAGE, FODDER, AND HAY (Crop Group 17)**

Including, but not limited to bermudagrass, bluegrass and brome grass or fescue. Any grass, Gramineae family (either green or cured) except sugarcane and those included in the cereal grains group, that will be fed to or grazed by livestock, all pasture and range grasses and grasses grown for hay or silage.

RATE (Oz/Acre)	Dilution (Gal/Acre)	Timing
0.5 – 3	10 – 200 by ground. 2 – 50 by air.	Begin applications when newly seeded plants are established or 14 days after emergence, and for established plants after cutting to new growth and every 28-35 days thereafter. [ALTERNATE TEXT: Apply after new growth commences and at each cutting. For newly seeded crops, begin at first true leaf.]

*Not Registered for Use by California.

***ORNAMENTALS**

Including, but not limited to, Aglaonema, Aphelandra, Arborvitae, Ash, Azaleas, Bougainvillea, Boxwood, Cattleya skinneri, Cedars, Ceanothus, Cotoneaster, Cissus, Dieffenbachia, Dogwood, Ferns, Ficus, Flowering Trees, Hibiscus, Hard Wood Trees, Holly, Home Lawns, Juniper, Magnolia Trees, Maple, Pines, Oaks, Palms, Peperomia, Photinia, Pittosporum, Philodendron, Pieris, Pothos, Redwoods, Rhododendron, Roses, Schefflera, Sedum, Sempervivum, Shrubs, Spathiphyllum, Sycamore, Taxus media, Zygocactus.

RATE (Oz/Acre)	Dilution (Gal/Acre)	Timing
1 – 3	10 – 200 by ground. 2 – 50 by air.	Apply at 14 to 28-day intervals, beginning 7 days after transplant and/or potting/repotting or once plants have initiated bud/leaf or fully leafed out. For roses, begin applications 7 days after grafted cuttings are planted and continuing at 14 to 28-day intervals. [ALTERNATE TEXT: Begin applications prior to first bloom. Repeat at 14- to 28-day intervals.]

*Not Registered for Use by California.

***TURF**

Including, but not limited to, turf grasses on sod farms and lawns, commercial turf production, golf courses (including tees and greens), parks and commercial landscapes.

RATE (Oz/Acre)	Dilution (Gal/Acre)	Timing
0.5 – 3	10 – 200 by ground. 2 – 50 by air.	Begin applications when newly seeded plants are established or 14 days after emergence. For established plants after cutting to new growth and every 28-35 days thereafter.

*Not Registered for Use by California.

***FOLIAR NUTRIENT APPLICATIONS**

CROP	Rate (Oz/Acre)	Dilution (Gal/Acre)	Timing and Use with Foliar Fertilizer
Any Crop Listed Elsewhere on This Label	1 – 3	5 – 200 by ground. 2 – 50 by air.	Apply with foliar fertilizer applications at a rate of 1-3 oz ProAct per labelled rates for foliar fertilizers. To determine the physical compatibility of this product with other products, use a jar test. [OPTIONAL TEXT: Using a quart jar, add the proportionate amounts of the products to approximately one quart of water with agitation. Add dry flowables first, then flowables, and then

			emulsifiable concentrates last. After thorough mixing, allow this mixture to stand for 5 minutes. If the combination remains mixed or can be readily remixed, it is physically compatible.]
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*Not Registered for Use by California.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE

Keep product away from exposure to air, sunlight, moisture, or heat. Do not store in temperatures over 110°F for more than 7 days. Use product within 3 weeks of opening and the same day as mixing.

PESTICIDE DISPOSAL

Wastes resulting from use of this product must be disposed of on site or at an approved waste disposal facility.

CONTAINER HANDLING

[RIGID NONREFILLABLE CONTAINERS (less than 50 lbs or 5 gal):] [Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple Rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ 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. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.]

[RIGID NONREFILLABLE CONTAINERS (greater than 50 lbs or 5 gal):] [Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple Rinse as follows: Empty remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.]

[NONREFILLABLE FIBER DRUMS WITH LINERS:] [Nonrefillable container. Do not reuse or refill this container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then offer for recycling if available or 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. If drum is contaminated and cannot be reused, dispose of it in the manner required for its liner.]

[NON-RIGID NONREFILLABLE CONTAINERS:] [Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling if available or dispose of empty bag in a sanitary landfill or by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.]

WARRANTY AND DISCLAIMER

CONDITIONS OF SALE AND EXCLUSIVE 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 must be followed carefully. However, it is impossible to eliminate all risks inherently associated with the use of this product. Crop [ALTERNATE TEXT: Plant] injury, ineffectiveness of the product, or other unintended consequences may result because of such factors as horticultural practices, use with other products (unless otherwise expressly provided in the Directions for Use of this product), presence of other materials, the manner of use or application, and various environmental conditions, including but not limited to weather conditions and moisture conditions. To the extent consistent with applicable law, all of the aforementioned risks are beyond the control of Plant Health Care, Inc. and the Buyer shall assume all such risks.

EXCLUSIVE WARRANTIES

Plant Health Care, Inc. warrants that, at the time of first sale of this product, it conforms to the chemical description on this label and, under normal conditions, is reasonably fit for the purposes referred to in the Directions for Use, subject to the inherent risks referred to above. To the extent consistent with applicable law, if this product does not perform as warranted above, customer's sole remedy for breach of that warranty shall be replacement of the product or

refund of the purchase price paid, at the option of Plant Health Care, Inc. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE FOREGOING WARRANTIES AND REMEDIES ARE EXCLUSIVE AND ARE IN LIEU OF ALL OTHER WARRANTIES, TERMS, OR CONDITIONS EXPRESSED OR IMPLIED, EITHER IN FACT OR BY OPERATION OF LAW, STATUTORY OR OTHERWISE, INCLUDING BUT NOT LIMITED TO WARRANTIES, TERMS, OR CONDITIONS OF MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE, AND SATISFACTORY QUALITY.

LIMITATION OF LIABILITY

To the extent consistent with applicable law, Plant Health Care, Inc. excludes for itself and its suppliers any liability, whether based in contract or tort (including negligence), for incidental, consequential, indirect, special, or punitive damages of any kind, or for loss of revenue or profits, loss of business, or crop [ALTERNATE TEXT: plant] injury arising out of or in connection with the sale, use, injury, performance, or failure of this product, even if Plant Health Care, Inc. or its authorized reseller has been advised of the possibility of such damages, and limits its liability to replacement of the product or a refund of the purchase price paid, at the option of Plant Health Care, Inc. This disclaimer of liability for damages will not be affected if any remedy provided by this label fails of its essential purpose.

ASSUMPTION OF RISK

To the extent consistent with applicable law, Buyer and User of this product assume the risk of any use contrary to the Directions for Use and/or all of the risks inherent in the use of the product as set forth above. Plant Health Care, Inc. offers this product, and the Buyer and User accept it, subject to the foregoing Conditions of Sale and Exclusive Warranty, which may be varied only by agreement in writing signed by a duly authorized representative of Plant Health Care, Inc.

PROMPT NOTICE OF CLAIM

Plant Health Care, Inc. must have prompt notice as soon as Buyer or User has reason to believe they may have a claim (not to exceed twenty-one days from the date of application) so that an inspection of the affected property and growing crops [ALTERNATE TEXT: plants] may be made. To the extent consistent with applicable law, unless Buyer and User promptly notify Plant Health Care, Inc. of any claims, they shall be barred from obtaining any remedy.

TANK MIXES

To the extent consistent with applicable law, tank mixing or use of this product with any other product, which is not specifically and expressly authorized by this label, shall be the exclusive risk of User, Applicator, and/or Application Advisor. Read and follow the entire label of each product to be used in a tank mix with this product.

© 2024 Plant Health Care, Inc. [product name] is a registered trademark and the Plant Health Care™ logo is a trademark of Plant Health Care, Inc. Always read and follow label instructions before buying or using this product. Roundup Ready® is a registered trademark of Monsanto Technology LLC; Xtendimax® is a registered Bayer Crop Science; Engenia® is a registered trademark of BASF Corp.; Tavium® is a registered trademark of Syngenta Crop Protection LLC; Enlist One® and Enlist Duo® are registered trademarks of Corteva Agriscience LLC.

[BARCODE]

XX.XXXX ProAct US Ag

Section B. Commercial Seed Treatment

ProAct®

[Alternate Brand Names: N-Hibit® Gold CST, N-Hibit® HX-209]

Seed Treatment

[**OPTIONAL TAG LINES** – Harpinαβ™ Protein Inside [Logo]; Powered by Harpinαβ™ Protein [Logo]; Contains Proprietary Harpinαβ™ Protein [Logo]; For use individually or in combination on labels: A biochemical pesticide seed treatment for yield enhancement; Increases root mass, plant stamina and vigor; Enhances yield; Yield enhancer; Improves standability; Decreases lodging; Increases plant stamina and vigor; Plant Health Regulator; Plant Health Promoter; Activates plant growth and defense systems; Suppresses nematode egg production; Increases Root Mass; Enhances plant health; Facilitates Integrated Pest Management Programs; Harp-N-Tek™ inside [LOGO]; Harp-N-Tek is Plant Health Care's trademark for its proprietary harpin protein technology.]

FOR USE ONLY BY COMMERCIAL SEED TREATMENT FACILITIES

Wettable Dry Granule

ACTIVE INGREDIENT:

Harpinαβ Protein: 1.0%

Other Ingredients 99.0%

Total 100.0%

EPA Reg. No. 71771-3

EPA Est. No. XXXXX-XX-XXX

KEEP OUT OF REACH OF CHILDREN

CAUTION

PRECAUCIÓN

See additional precautionary statements elsewhere on this label. [**ALTERNATE TEXT:** See [(side)(back)] panel for additional precautionary statements and first aid.]

PLANT HEALTH CARE, INC.
242 South Main Street, Suite 216
Holly Springs, NC 27540
1-800-421-9051
www.planthealthcare.com

[**Lot**] [**Batch**] [**No.**] [**Code**]: **XXXXX**
(Note to reviewer: Lot/batch number may be placed on the label or printed directly onto product packaging/container.)
NET WEIGHT: [8.0 oz. – 1,102.3 lbs.]

Read the entire label before using this product. Read WARRANTY AND DISCLAIMER before buying or using. If terms are not acceptable, return at once unopened.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if inhaled. Avoid breathing dust or spray mist. Remove and wash contaminated clothing before reuse.

FIRST AID	
If Inhaled:	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. • Call a poison control center or doctor for further treatment advice.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency medical treatment information, call the National Pesticide Information Center at 1-800-858-7378, 6:30 AM to 4:30 PM Pacific Time, seven days a week. During other times, call the poison control center at 1-800-222-1222.	

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants.
- Shoes and socks.

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

USER SAFETY RECOMMENDATIONS

- Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Users should remove clothing/PPE immediately if pesticide 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 contaminate water when disposing of equipment wash waters or rinsate.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in any 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 State or Tribal agency responsible for pesticide regulation.

PRODUCT INFORMATION

GROWTH ENHANCEMENT

Use ProAct to increase plant health and vigor, suppress nematode egg production, increase root mass and enhance crop quality and production.

USE PRECAUTIONS

MIXING WITH OTHER SEED TREATMENT PRODUCTS

Read and follow the entire label of each product to be used in combination with this product. ProAct is believed to be compatible with most other labeled pesticides. To determine the physical compatibility of this product with other products, use a jar test. Using a quart jar, add the proportionate amounts of the products to approximately one quart of water with agitation. Add dry flowables first, then flowables, and

then emulsifiable concentrates last. After thorough mixing, allow this mixture to stand for 5 minutes. If the combination remains mixed or can be readily remixed, it is physically compatible. Once compatibility has been proven, use the same procedure for adding products to the seed treatment equipment.

USE PROMPTLY

Use product within 24 hours after it is mixed with water and use opened packages within 3 weeks. Carefully reseal opened packages to minimize exposure to air and moisture.

MIXING INSTRUCTIONS

Mix ProAct as follows:

Step 1. Mix the required amount of ProAct with water or other water-based materials directly into the mix tank, or initially in a separate container, and provide agitation.

Step 2. Agitate until dissolved and avoid excessive foaming.

Step 3. When tank mixing, add other materials to the mix tank in the order determined appropriate based on compatibility testing.

Step 4. Continue to agitate until dissolved and avoid excessive foaming.

Step 5. Promptly apply seed treatment mixture to seed.

APPLICATION INSTRUCTIONS

Apply ProAct commercial seed treatment to seed using application rates specified for the crops listed below. Mix ProAct with other commercial seed treatments, as needed, unless specifically prohibited on labeling of other products in the mixture or if the mixture fails the compatibility jar test. Use of the resulting mix must be in accordance with the most restrictive label limitations and precautions on any of the products in the mixture. Allow treated seeds to dry before bagging.

CROPS AND APPLICATION RATES

Vegetable and Other Crops

Crop	Rate
BULB VEGETABLES CUCURBIT VEGETABLES FRUITING VEGETABLES LEAFY AND COLE VEGETABLES LEGUME VEGETABLES ROOT AND TUBER VEGETABLES SWEET CORN	0.1 – 5 oz per 100 lb seed

Field Crops

Crop	Rate
CORN (Grain, Silage, Seed, or Pop) COTTON OILSEED CROPS – All crops CEREAL GRAINS – All crops FORAGE CROPS PEANUT SORGHUM	0.1 – 5 oz per 100 lb seed

Tobacco

Crop	Rate
TOBACCO – All Types	0.1 – 5 oz per 100 lb seed

Berries and Small Fruit

Crop	Rate
BERRIES AND SMALL FRUIT – All Types	0.1 – 5 oz

	per 100 lb seed
--	-----------------

Trees and Vines

Crop	Rate
AVOCADO CITRUS TREE NUTS POME FRUIT STONE FRUIT VINE CROPS TREES (Conifer, Broadleaf)	0.1 – 5 oz per 100 lb seed

Turf and Ornamentals

Crop	Rate
GRASSES – All Types ORNAMENTALS (Bulbs, Seeds or Tubers) – All Types	0.1 – 5 oz per 100 lb seed

Specialty Crops

Crop	Rate
ALOE BANANA COFFEE FIGS HERBS – All Types MANGO PAPAYA PINEAPPLE	0.1 – 5 oz per 100 lb seed

Grasses Grown For Seed

Crop	Rate
TURF GRASSES FORAGE GRASSES	0.1 – 5 oz per 100 lb seed

[ALTERNATE TEXT:

Crop	Rate
LEEK, ONION	2 – 4 oz per 100 lb seed
LETTUCE, SPINACH, FENNEL	2 – 4 oz per 100 lb seed
BROCCOLI, CABBAGE, CAULIFLOWER, CHINESE CABBAGE	2 – 4 oz per 100 lb seed
DRY BEAN, GARDEN BEAN, PEA	0.25 – 1 oz per 100 lb seed
CUCUMBER, EDIBLE GOURD, MELON, PUMPKIN, SQUASH, WATERMELON	2 – 4 oz per 100 lb seed
EGGPLANT, HOT PEPPER, OKRA, SWEET PEPPER, TOMATO, TOMATO SEED FOR ROOTSTOCK PRODUCTION	2 – 4 oz per 100 lb seed
CARROT, RADISH	2 – 4 oz per 100 lb seed
SWEET CORN	0.75 oz per 100 lb seed
CANOLA	2 – 4 oz per 100 lb seed
CORN (Grain, Silage, Seed, or Pop)	0.1 – 1 oz per 100 lb seed
COTTON	1 – 4 oz per 100 lb seed
SOYBEAN	0.1 – 1 oz per 100 lb seed
SUGARBEET	0.1 – 5 oz per 100 lb seed
WHEAT	0.5 oz per 100 lb seed

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE

Keep product away from exposure to air, sunlight, moisture, or heat. Do not store in temperatures over 110°F for more than 7 days. Use product within 3 weeks of opening and within 24 after mixing.

PESTICIDE DISPOSAL

Wastes resulting from use of this product must be disposed of on site or at an approved waste disposal facility.

CONTAINER HANDLING

[RIGID NONREFILLABLE CONTAINERS:] [Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.]

[NONREFILLABLE FIBER DRUMS WITH LINERS:] [Nonrefillable container. Do not reuse or refill this container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then offer for recycling if available or 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. If drum is contaminated and cannot be reused, dispose of it in the manner required for its liner.]

[NON-RIGID NONREFILLABLE CONTAINERS:] [Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling if available or dispose of empty bag in a sanitary landfill or by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.]

WARRANTY AND DISCLAIMER

CONDITIONS OF SALE AND EXCLUSIVE 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 must be followed carefully. However, it is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness of the product, or other unintended consequences may result because of such factors as horticultural practices, use with other products (unless otherwise expressly provided in the Directions for Use of this product), presence of other materials, the manner of use or application, and various environmental conditions, including but not limited to weather conditions and moisture conditions. To the extent consistent with applicable law, all of the aforementioned risks are beyond the control of Plant Health Care, Inc. and the Buyer shall assume all such risks.

EXCLUSIVE WARRANTIES

Plant Health Care, Inc. warrants that, at the time of first sale of this product, it conforms to the chemical description on this label and, under normal conditions, is reasonably fit for the purposes referred to in the Directions for Use, subject to the inherent risks referred to above. To the extent consistent with applicable law, if this product does not perform as warranted above, customer's sole remedy for breach of that warranty shall be replacement of the product or refund of the purchase price paid, at the option of Plant Health Care, Inc. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE FOREGOING WARRANTIES AND REMEDIES ARE EXCLUSIVE AND ARE IN LIEU OF ALL OTHER WARRANTIES, TERMS, OR CONDITIONS EXPRESSED OR IMPLIED, EITHER IN FACT OR BY OPERATION OF LAW, STATUTORY OR OTHERWISE, INCLUDING BUT NOT LIMITED TO WARRANTIES, TERMS, OR CONDITIONS OF MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE, AND SATISFACTORY QUALITY.

LIMITATION OF LIABILITY

To the extent consistent with applicable law, Plant Health Care, Inc. excludes for itself and its suppliers any liability, whether based in contract or tort (including negligence), for incidental, consequential, indirect, special, or punitive damages of any kind, or for loss of revenue or profits, loss of business, or crop [ALTERNATE TEXT: plant] injury arising out of or in connection with the sale, use, injury, performance, or failure of this product, even if Plant Health Care, Inc. or its authorized reseller has been advised of the possibility of such damages, and limits its liability to replacement of the product or a refund of the purchase price paid, at the option of Plant Health Care, Inc. This disclaimer of liability for damages will not be affected if any remedy provided by this label fails of its essential purpose.

ASSUMPTION OF RISK

To the extent consistent with applicable law, Buyer and User of this product assume the risk of any use contrary to the Directions for Use and/or all of the risks inherent in the use of the product as set forth above. Plant Health Care, Inc. offers this product, and the Buyer and User accept it, subject to the foregoing Conditions of Sale and Exclusive Warranty, which may be varied only by agreement in writing signed by a duly authorized representative of Plant Health Care, Inc.

PROMPT NOTICE OF CLAIM

Plant Health Care, Inc. must have prompt notice as soon as Buyer or User has reason to believe they may have a claim (not to exceed twenty-one days from the date of application) so that an inspection of the affected property and growing crops may be made. To the extent consistent with applicable law, unless Buyer and User promptly notify Plant Health Care, Inc. of any claims, they shall be barred from obtaining any remedy.

TANK MIXES

To the extent consistent with applicable law, tank mixing or use of this product with any other product, which is not specifically and expressly authorized by this label, shall be the exclusive risk of User, Applicator, and/or Application Advisor. Read and follow the entire label of each product to be used in a tank mix with this product.

© 2024 Plant Health Care, Inc. [product name] is a registered trademark and the Plant Health Care™ logo is a trademark of Plant Health Care, Inc. Always read and follow label instructions before buying or using this product.

[BARCODE]

XX.XXXX ProAct US Ag

Section C-1. Pre-Plant Seed Treatment

ProAct®

[Alternate Brand Names: N-Hibit® Gold HB, INCEPTIVE]

Pre-Plant Seed Treatment

[**OPTIONAL TAG LINES** – Harpinαβ™ Protein Inside [Logo]; Powered by Harpinαβ™ Protein [Logo]; Contains Proprietary Harpinαβ™ Protein [Logo]; For use individually or in combination on labels: A biochemical pesticide seed treatment that: Improves stand establishment; Suppresses nematode egg production; Enhances crop growth, quality and yield; Yield enhancer; Increases Root Mass; Activates plant growth and defense systems; Plant Health Regulator; Plant Health Promoter; Improves standability; Decreases lodging; Increases plant stamina and vigor; Enhances plant health; Facilitates Integrated Pest Management Programs; Harp-N-Tek™ inside [LOGO]; Harp-NTek is Plant Health Care's trademark for its proprietary harpin protein technology.]

FOR USE ONLY AS SEED TREATMENT IMMEDIATELY PRIOR TO PLANTING

Dry Powder

ACTIVE INGREDIENT:

Harpinαβ Protein: 1.0%

Other Ingredients 99.0%

Total 100.0%

EPA Reg. No. 71771-3

EPA Est. No. XXXXX-XX-XXX

KEEP OUT OF REACH OF CHILDREN

**CAUTION
PRECAUCIÓN**

See additional precautionary statements elsewhere on this label. [**ALTERNATE TEXT:** See [(side)(back)] panel for additional precautionary statements and first aid.]

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.)

PLANT HEALTH CARE, INC.
242 South Main Street, Suite 216
Holly Springs, NC 27540
1-800-421-9051
www.planthealthcare.com

[Lot] [Batch] [No.] [Code]: XXXXX
(Note to reviewer: Lot/batch number may be placed on the label or printed directly onto product packaging/container.)
NET WEIGHT: [5.0 oz. – 220.46 lbs.]

Read the entire label before using this product. Read WARRANTY AND DISCLAIMER before buying or using. If terms are not acceptable, return at once unopened.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if inhaled. Avoid breathing dust. Remove and wash contaminated clothing before reuse.

FIRST AID	
If Inhaled:	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. • Call a poison control center or doctor for further treatment advice.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency medical treatment information, call the National Pesticide Information Center at 1-800-858-7378, 6:30 AM to 4:30 PM Pacific Time, seven days a week. During other times, call the poison control center at 1-800-222-1222.	

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants.
- Shoes and socks.

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

USER SAFETY RECOMMENDATIONS

- Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Users should remove clothing/PPE immediately if pesticide 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

For terrestrial uses: Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark.

Do not contaminate water when disposing of equipment wash waters or rinsate.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in any 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 State or Tribal 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 on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box 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 4 hours.

Exception: If the product is soil injected or soil incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

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; and
- Shoes and socks.

PRODUCT INFORMATION

ProAct stimulates the plant's natural growth and defense systems, enhancing overall plant health. Healthier plants exhibit increased plant stamina and vigor, leading to one or more of the following benefits: improved stand and root establishment, suppressed nematode egg production, increased marketable yield, and enhanced quality. ProAct works best when used in conjunction with good crop management practices.

GROWTH ENHANCEMENT AND MARKETABLE YIELD

Use ProAct to increase plant health and vigor, to assist in the management of certain diseases, to suppress nematode egg production, to improve stand and root establishment, and to enhance crop quality and marketable production.

SITES

Use ProAct as a pre-plant seed treatment in greenhouses, shadehouses, and nurseries or for field production of all crops listed on this label.

USE PRECAUTIONS

USE PROMPTLY

Use product promptly to minimize absorption of water. Carefully reseal opened packages to minimize exposure to air and moisture. Use opened packages within 3 weeks.

MIXING

Use ProAct in addition to other dry commercial seed treatments and in conjunction with other dry hopper box treatments. Apply ProAct only to dry seed. Do not mix ProAct with water. Check with your local Plant Health Care representative for specific compatibility information for ProAct and other labeled products.

USE OF TREATED SEED

Treat only seeds needed for immediate use, minimizing the interval between treatment and planting. Do not store excess treated seed beyond planting time.

APPLICATION INSTRUCTIONS FOR N-Hibit® Gold HB

Apply ProAct as a dry pre-plant seed treatment. Apply product to dry seed using standard seed treatment equipment or apply directly to the hopper box. When applying directly to the hopper box, fill half the hopper box with seed and sprinkle the appropriate half-rate of ProAct over seed. See the appropriate application rates under CROPS and APPLICATION RATES. Finish filling the hopper box with seed and sprinkle the remaining ProAct over the new seed.

CROPS AND APPLICATION RATES FOR N-Hibit® Gold HB**Vegetable and Other Crops**

Crop	Rate
FRUITING VEGETABLES LEAFY AND COLE VEGETABLES LEGUME VEGETABLES CUCURBIT VEGETABLES ROOT AND TUBER VEGETABLES ONION GARLIC PEANUTS SCALLION SWEET CORN	0.1 – 5 oz per 100 lb seed

Field Crops

Crop	Rate
COTTON FORAGE CROPS CORN (Grain, Silage, Seed, or Pop) OILSEED CROPS – All crops CEREAL GRAINS – All crops SORGHUM SUGARCANE	0.1 – 5 oz per 100 lb seed

Tobacco

Crop	Rate
TOBACCO – All Types	0.1 – 5 oz per 100 lb seed

Berries and Small Fruit

Crop	Rate
BERRIES AND SMALL FRUIT – All Types	0.1 – 5 oz per 100 lb seed

Trees and Vines

Crop	Rate
AVOCADO CITRUS TREE NUTS POME FRUIT (Apple, Pear) STONE FRUIT VINE CROPS TREES (Conifer, Broadleaf)	0.1 – 5 oz per 100 lb seed

Turf and Ornamentals

Crop	Rate
GRASSES – All Types ORNAMENTALS (Bulbs, Seeds or Tubers) – All Types	0.1 – 5 oz per 100 lb seed

Specialty Crops

Crop	Rate
ALOE BANANA COFFEE FIGS HERBS – All Types MANGO PAPAYA PINEAPPLE	0.1 – 5 oz per 100 lb seed

Grasses Grown For Seed

Crop	Rate
TURF GRASSES FORAGE GRASSES	0.1 – 5 oz per 100 lb seed

APPLICATION INSTRUCTIONS FOR INCEPTIVE

INCEPTIVE is designed to be mixed with talc or talc/graphite (mixture) seed lubricant and applied to crop seed. When mixing INCEPTIVE for use in Corn, Soybean, Cotton or sugar beet add one full container of INCEPTIVE (20 oz.) to 20 lbs. of a talc or talc/graphite (mixture) seed lubricant. For nematode suppression in cotton, add two to three full containers of Inceptiv (20 oz.) to 20 lbs. of a talc or talc/graphite seed lubricant. Mix or shake thoroughly before applying to seed in the planter hopper box.

CROPS AND APPLICATION RATES FIELD CROPS

Crop	Rate
CORN (Grain Silage, Seed, or Pop)	.04 oz. per acre or 20 oz. per 210 units of seed corn (approx. 525 acre)
SOYBEANS	0.1 oz. per acre or 20 oz. per 210 units of soybean seed (approx. 210 acres.)
COTTON	0.04 oz. per acre/20 oz. per 70 units of cotton seed (approx. 490 acres). For nematode suppression: 0.08 oz. to 0.12 oz. per acre/40 to 60 oz. per 490 acres
SUGAR BEET	0.08 oz. per acre or 20 oz. per 160 units of Sugar beet seed. (approx. 250 acres) to 0.16 oz. per acre or 40 oz. per 160 units of Sugar beet seed. (approx. 250 acres)

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE

Keep product away from exposure to air, sunlight, moisture, or heat.
Do not store in temperatures over 110°F for more than 7 days.
Use product within 3 weeks of opening and the same day as mixing.

PESTICIDE DISPOSAL

Wastes resulting from use of this product must be disposed of on site or at an approved waste disposal facility.

CONTAINER HANDLING

[NON-RIGID NONREFILLABLE CONTAINERS:] [Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling if available or dispose of empty bag in a sanitary landfill or by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.]

[RIGID NONREFILLABLE CONTAINERS:] [Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.]

[NONREFILLABLE FIBER DRUMS WITH LINERS:] [Nonrefillable container. Do not reuse or refill this container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then offer for recycling if available or 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. If drum is contaminated and cannot be reused, dispose of it in the manner required for its liner.]

WARRANTY AND DISCLAIMER

CONDITIONS OF SALE AND EXCLUSIVE 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 must be followed carefully. However, it is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness of the product, or other unintended consequences may result because of such factors as horticultural practices, use with other products (unless otherwise expressly provided in the Directions for Use of this product), presence of other materials, the manner of use or application, and various environmental conditions, including but not limited to weather conditions and moisture conditions. To the extent consistent with applicable law, all of the aforementioned risks are beyond the control of Plant Health Care, Inc. and the Buyer shall assume all such risks.

EXCLUSIVE WARRANTIES

Plant Health Care, Inc. warrants that, at the time of first sale of this product, it conforms to the chemical description on this label and, under normal conditions, is reasonably fit for the purposes referred to in the Directions for Use, subject to the inherent risks referred to above. To the extent consistent with applicable law, if this product does not perform as warranted above, customer's sole remedy for breach of that warranty shall be replacement of the product or refund of the purchase price paid, at the option of Plant Health Care, Inc. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE FOREGOING WARRANTIES AND REMEDIES ARE EXCLUSIVE AND ARE IN LIEU OF ALL OTHER WARRANTIES, TERMS, OR CONDITIONS EXPRESSED OR IMPLIED, EITHER IN FACT OR BY OPERATION OF LAW, STATUTORY OR OTHERWISE, INCLUDING BUT NOT LIMITED TO WARRANTIES, TERMS, OR CONDITIONS OF MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE, AND SATISFACTORY QUALITY.

LIMITATION OF LIABILITY

To the extent consistent with applicable law, Plant Health Care, Inc. excludes for itself and its suppliers any liability, whether based in contract or tort (including negligence), for incidental, consequential, indirect, special, or punitive damages of any kind, or for loss of revenue or profits, loss of business, or crop injury arising out of or in connection with the sale, use, injury, performance, or failure of this product, even if Plant Health Care, Inc. or its authorized reseller has been advised of the possibility of such damages, and limits its liability to replacement of the product or a refund of the purchase price paid, at the option of Plant Health Care, Inc. This disclaimer of liability for damages will not be affected if any remedy provided by this label fails of its essential purpose.

ASSUMPTION OF RISK

To the extent consistent with applicable law, Buyer and User of this product assume the risk of any use contrary to the Directions for Use and/or all of the risks inherent in the use of the product as set forth above. Plant Health Care, Inc. offers this product, and the Buyer and User accept it, subject to the foregoing Conditions of Sale and Exclusive Warranty, which may be varied only by agreement in writing signed by a duly authorized representative of Plant Health Care, Inc.

PROMPT NOTICE OF CLAIM

Plant Health Care, Inc. must have prompt notice as soon as Buyer or User has reason to believe they may have a claim (not to exceed twenty-one days from the date of application) so that an inspection of the affected property and growing crops may be made. To the extent consistent with applicable law, unless Buyer and User promptly notify Plant Health Care, Inc. of any claims, they shall be barred from obtaining any remedy.

TANK MIXES

To the extent consistent with applicable law, tank mixing or use of this product with any other product, which is not specifically and expressly authorized by this label, shall be the exclusive risk of User, Applicator, and/or Application Advisor. Read and follow the entire label of each product to be used in a tank mix with this product.

© 2024 Plant Health Care, Inc. [product name is a registered trademark and the Plant Health Care™ logo is a trademark of Plant Health Care, Inc.] [INCEPTIVE is a registered trademark of Talc USA.] Always read and follow label instructions before buying or using this product.

[BARCODE]

XX.XXXX ProAct US Ag

Section C-2. Pre-Plant Seed Treatment Co-Pack

ProAct®

[Alternate Brand Names: INCEPTIVE, VigorPro, HarvestPrime, GrowthGuard, AgriThrive, PlantPower]

Pre-Plant Seed Treatment

[OPTIONAL TAG LINES – Harpin $\alpha\beta$ ™ Protein Inside [Logo]; Powered by Harpin $\alpha\beta$ ™ Protein [Logo]; Contains Proprietary Harpin $\alpha\beta$ ™ Protein [Logo]; For use individually or in combination on labels: A biochemical pesticide seed treatment that: Improves stand establishment; Suppresses nematode egg production; Enhances crop growth, quality and yield; Yield enhancer; Increases Root Mass; Activates plant growth and defense systems; Plant Health Regulator; Plant Health Promoter; Improves standability; Decreases lodging; Increases plant stamina and vigor; Enhances plant health; Facilitates Integrated Pest Management Programs; Harp-N-Tek™ inside [LOGO]; Harp-NTek is Plant Health Care's trademark for its proprietary harpin protein technology.]

FOR USE ONLY AS SEED TREATMENT IMMEDIATELY PRIOR TO PLANTING IN CONJUNCTION WITH SPEEDFLOW™ 30

Dry Powder

ACTIVE INGREDIENT:

Harpin $\alpha\beta$ Protein: 1.0%

Other Ingredients 99.0%

Total 100.0%

EPA Reg. No. 71771-3

EPA Est. No. XXXXX-XX-XXX

KEEP OUT OF REACH OF CHILDREN

**CAUTION
PRECAUCIÓN**

See additional precautionary statements elsewhere on this label. [ALTERNATE TEXT: See [(side)(back)] panel for additional precautionary statements and first aid.]

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.)

PLANT HEALTH CARE, INC.
242 South Main Street, Suite 216
Holly Springs, NC 27540
1-800-421-9051
www.planthealthcare.com

[Lot] [Batch] [No.] [Code]: XXXXX
(Note to reviewer: Lot/batch number may be placed on the label or printed directly onto product packaging/container.)
NET WEIGHT: [5.0 oz. – 10.0 oz.]

Read the entire label before using this product. Read WARRANTY AND DISCLAIMER before buying or using. If terms are not acceptable, return at once unopened.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if inhaled. Avoid breathing dust. Remove and wash contaminated clothing before reuse.

FIRST AID	
If Inhaled:	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. • Call a poison control center or doctor for further treatment advice.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency medical treatment information, call the National Pesticide Information Center at 1-800-858-7378, 6:30 AM to 4:30 PM Pacific Time, seven days a week. During other times, call the poison control center at 1-800-222-1222.	

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants.
- Shoes and socks.

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

USER SAFETY RECOMMENDATIONS

- Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Users should remove clothing/PPE immediately if pesticide 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

For terrestrial uses: Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark.

Do not contaminate water when disposing of equipment wash waters or rinsate.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in any 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 State or Tribal 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 on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box 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 4 hours.

Exception: If the product is soil injected or soil incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

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; and
- Shoes and socks.

PRODUCT INFORMATION

ProAct stimulates the plant's natural growth and defense systems, enhancing overall plant health. Healthier plants exhibit increased plant stamina and vigor, leading to one or more of the following benefits: improved stand and root establishment, suppressed nematode egg production, increased marketable yield, and enhanced quality. ProAct works best when used in conjunction with good crop management practices.

GROWTH ENHANCEMENT AND MARKETABLE YIELD

Use ProAct to increase plant health and vigor, to assist in the management of certain diseases, to suppress nematode egg production, to improve stand and root establishment, and to enhance crop quality and marketable production.

SITES

Use ProAct as a pre-plant seed treatment in greenhouses, shadehouses, and nurseries or for field production of all crops listed on this label.

USE PRECAUTIONS

USE PROMPTLY

Use product promptly to minimize absorption of water. Carefully reseal opened packages to minimize exposure to air and moisture. Use opened packages within 3 weeks.

MIXING

Use ProAct in addition to other dry commercial seed treatments and in conjunction with other dry hopper box treatments. Apply ProAct only to dry seed. Do not mix ProAct with water. Check with your local Plant Health Care representative for specific compatibility information for ProAct and other labeled products.

USE OF TREATED SEED

Treat only seeds needed for immediate use, minimizing the interval between treatment and planting. Do not store excess treated seed beyond planting time.

APPLICATION INSTRUCTIONS FOR [INCEPTIVE] [PRODUCT NAME]

[INCEPTIVE] [PRODUCT NAME] is designed to be mixed with planting time seed lubricant, SpeedFLOW™ 30. The combinations of INCEPTIVE and fluency aids are applied to crop seed by way of hopper box application at planting time. When mixing INCEPTIVE with SpeedFLOW™ 30, add the listed amount of INCEPTIVE with the listed amount of SpeedFLOW™ 30, thoroughly mix, and then only apply the mixture to seeds in the planter hopper box.

Each pail of SpeedFLOW™ 30 contains [20] [50] pounds of fluency aid. Mix [INCEPTIVE] [PRODUCT NAME] with SpeedFLOW™ 30 at a 1:31 ratio. Adding 10.3 oz of INCEPTIVE directly to one pail of SpeedFLOW™ 30 achieves target 1:31 ratio.

For corn, soybeans, cotton, peanuts, sugar beet, wildflowers and perennials, add 0.20 oz of INCEPTIVE to 6.2 oz of SpeedFLOW™ 30 up to 0.50 oz of INCEPTIVE to 15.5 oz (mixture totaling 1 lb) of SpeedFLOW™ 30 Mix well and apply via hopper box and apply per 100lb seed.

For pelleted seeds, add 0.10 oz of INCEPTIVE to 3.1 oz of SpeedFLOW™ 30 up to 0.75 oz of INCEPTIVE to 23.25 oz (mixture totaling 1.5 lb) of SpeedFLOW™ 30 Mix well and apply via hopper box and apply per 100lb seed pellets.

Alternate application instructions on a per acre basis and per units of seed basis are provided in the table below.

CROPS AND APPLICATION RATES FIELD CROPS

Crop	Rate
CORN (Grain Silage, Seed, or Pop)	0.04 oz. INCEPTIVE with 1.28 oz SpeedFLOW™ 30 per acre or 20.6 oz. INCEPTIVE with 40 lb SpeedFLOW™ 30 per 210 units of seed corn (approx. 525 acre) or 0.20 - 0.50 oz INCEPTIVE with 6.2 – 15.5 oz SpeedFLOW™ 30 / 100lb seed
SOYBEANS	0.1 oz. INCEPTIVE with 3.2 oz SpeedFLOW™ 30 per acre or 20.6 oz. INCEPTIVE with 40 lb SpeedFLOW™ 30 per 210 units of soybean seed (approx. 210 acres.) or 0.20 - 0.50 oz INCEPTIVE with 6.2 – 15.5 oz SpeedFLOW™ 30 / 100lb seed
COTTON	0.04 oz. INCEPTIVE with 1.28 oz SpeedFLOW™ 30 per acre or 20.6 oz. INCEPTIVE with 40 lb SpeedFLOW™ 30 per 70 units of cotton seed (approx. 490 acres). or 0.20 - 0.50 oz INCEPTIVE with 6.2 – 15.5 oz SpeedFLOW™ 30 / 100lb seed For nematode suppression: 0.08 - 0.17 oz INCEPTIVE with 2.56 – 5.12 oz SpeedFLOW™ 30 per acre Or 41.3 - 61.9 oz INCEPTIVE with 80 – 120 lb SpeedFLOW™ 30 per 490 acres
PEANUTS	0.20 - 0.50 oz INCEPTIVE with 6.2 – 15.5 oz SpeedFLOW™ 30 / 100lb seed
SUGAR BEET	0.08 – 0.17 oz INCEPTIVE with 2.56 – 5.12 oz SpeedFLOW™ 30 per acre or 20.6 – 41.3 oz INCEPTIVE with 40 – 80 lb SpeedFLOW™ 30 per 160

	units of Sugar beet seed (approx. 250 acres) or 0.20 - 0.50 oz INCEPTIVE with 6.2 – 15.5 oz SpeedFLOW™ 30 / 100lb seed
WILDFLOWERS AND PERENNIALS	0.20 - 0.50 oz INCEPTIVE with 6.2 – 15.5 oz SpeedFLOW™ 30 / 100lb seed
PELLETED SEEDS	0.10 - 0.75 oz INCEPTIVE with 0.75 – 23.25 oz SpeedFLOW™ 30 / 100lb seed pellets (e.g. Pelletized onion seed)

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE

Keep product away from exposure to air, sunlight, moisture, or heat.

Do not store in temperatures over 110°F for more than 7 days.

Use product within 3 weeks of opening and the same day as mixing.

PESTICIDE DISPOSAL

Wastes resulting from use of this product must be disposed of on site or at an approved waste disposal facility.

CONTAINER HANDLING

[RIGID NONREFILLABLE CONTAINERS:] [Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.]

[NONREFILLABLE FIBER DRUMS WITH LINERS:] [Nonrefillable container. Do not reuse or refill this container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then offer for recycling if available or 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. If drum is contaminated and cannot be reused, dispose of it in the manner required for its liner.]

[NON-RIGID NONREFILLABLE CONTAINERS:] [Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling if available or dispose of empty bag in a sanitary landfill or by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.]

WARRANTY AND DISCLAIMER

CONDITIONS OF SALE AND EXCLUSIVE 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 must be followed carefully. However, it is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness of the product, or other unintended consequences may result because of such factors as horticultural practices, use with other products (unless otherwise expressly provided in the Directions for Use of this product), presence of other materials, the manner of use or application, and various environmental conditions, including but not limited to weather conditions and moisture conditions. To the extent consistent with applicable law, all of the aforementioned risks are beyond the control of Plant Health Care, Inc. and the Buyer shall assume all such risks.

EXCLUSIVE WARRANTIES

Plant Health Care, Inc. warrants that, at the time of first sale of this product, it conforms to the chemical description on this label and, under normal conditions, is reasonably fit for the purposes referred to in the Directions for Use, subject to the inherent risks referred to above. To the extent consistent with applicable law, if this product does not perform as warranted above, customer's sole remedy for breach of that warranty shall be replacement of the product or refund of the purchase price paid, at the option of Plant Health Care, Inc. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE FOREGOING WARRANTIES AND REMEDIES ARE EXCLUSIVE AND ARE IN LIEU OF ALL OTHER WARRANTIES, TERMS, OR CONDITIONS EXPRESSED OR IMPLIED, EITHER IN FACT OR BY OPERATION OF LAW, STATUTORY OR OTHERWISE, INCLUDING BUT NOT LIMITED TO WARRANTIES, TERMS, OR CONDITIONS OF MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE, AND SATISFACTORY QUALITY.

LIMITATION OF LIABILITY

To the extent consistent with applicable law, Plant Health Care, Inc. excludes for itself and its suppliers any liability, whether based in contract or tort (including negligence), for incidental, consequential, indirect, special, or punitive damages of any kind, or for loss of revenue or profits, loss of business, or crop injury arising out of or in connection with the sale, use, injury, performance, or failure of this product, even if Plant Health Care, Inc. or its authorized reseller has been advised of the possibility of such damages, and limits its liability to replacement of the product or a refund of the purchase price paid, at the option of Plant Health Care, Inc. This disclaimer of liability for damages will not be affected if any remedy provided by this label fails of its essential purpose.

ASSUMPTION OF RISK

To the extent consistent with applicable law, Buyer and User of this product assume the risk of any use contrary to the Directions for Use and/or all of the risks inherent in the use of the product as set forth above. Plant Health Care, Inc. offers this product, and the Buyer and User accept it, subject to the foregoing Conditions of Sale and Exclusive Warranty, which may be varied only by agreement in writing signed by a duly authorized representative of Plant Health Care, Inc.

PROMPT NOTICE OF CLAIM

Plant Health Care, Inc. must have prompt notice as soon as Buyer or User has reason to believe they may have a claim (not to exceed twenty-one days from the date of application) so that an inspection of the affected property and growing crops may be made. To the extent consistent with applicable law, unless Buyer and User promptly notify Plant Health Care, Inc. of any claims, they shall be barred from obtaining any remedy.

TANK MIXES

To the extent consistent with applicable law, tank mixing or use of this product with any other product, which is not specifically and expressly authorized by this label, shall be the exclusive risk of User, Applicator, and/or Application Advisor. Read and follow the entire label of each product to be used in a tank mix with this product.

© 2024 Plant Health Care, Inc. [product name is a registered trademark and the Plant Health Care™ logo is a trademark of Plant Health Care, Inc.] [INCEPTIVE is a registered trademark of Talc USA.] Always read and follow label instructions before buying or using this product. SpeedFLOW™ is a trademark of Kannar Earth Science, Ltd.

[BARCODE]

XX.XXXX ProAct US Ag

{Note to Reviewer: This product sublabel is intended for co-packing with a Non-FIFRA regulated product (i.e., seed fluency aid). Accordingly, since the FIFRA and Non-FIFRA products may be co-packed together, the registrant is providing the label content of the Non-FIFRA regulated within this sub-label.)

Kannar Earth Science [logo]

SpeedFlow™ 30 v1.0

Fluency Aid

NET CONTENTS – [20] [50] lbs X [per] Box

Batch #: XX###X##

Product code: AAF675

Patent Pending

INGREDIENTS

Kannar SpeedFlow™ 30 v1.0

High Performance dry formulation for use as a fluency aid.

No hazardous based on GHS classification criteria

Hazard Symbol: None

PRECAUTIONARY STATEMENTS

Keep dust/air mixtures away from ignition sources.

BEFORE USING THIS PRODUCT, READ ALL PRECAUTIONS, DIRECTIONS FOR USE, CONDITIONS OF SALE - LIMITED WARRANTY AND LIMITATIONS OF LIABILITY AND REMEDIES.

DIRECTIONS FOR USE

Verify compatibility of ingredients to be mixed with this product. Assess appearance, compatibility, and performance.

1. Apply at recommended use rate.
2. Always follow the manufacturer's labels for any additional material mixed with this product.

RECOMMENDED RATE

Application rate will vary depending on method of application and/or seed type.

STORAGE AND DISPOSAL

PROTECT FROM FREEZING

1. **PRODUCT DISPOSAL:** Other products mixed with this product must be handled in compliance with the manufacturer's instructions on the label. Any waste slurry or rinsate must be disposed of in accordance with local regulations.
2. **GENERAL:** Store indoors in original container only & keep product sealed.

FOR BEST RESULTS

1. Store in a cool, dry location
2. If combining inerts, use with other Kannar™ offerings.

CONTAINER DISPOSAL: Offer for recycling.

Contact info@kannargroup.com for additional guidance.

2420 Tech Center Parkway, Building 100

Lawrenceville, GA 30043; USA

Phone: +1 (678) 475-1155

KannarGroup.com • info@kannargroup.com

CONDITIONS OF SALE/LIMITATION OF LIABILITY

KANNAR MAKES NO WARRANTIES REGARDING THIS PRODUCT, EXPRESSLY DISCLAIMING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. KANNAR'S LIABILITY FOR ANY CLAIM SHALL NOT EXCEED PRODUCT PURCHASE PRICE.

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Kannar, Kannar Earth Science, SeedKOTE, and the Kannar Logo are trademarks belonging to Kannar Earth Science, Ltd.

Made in USA [logo]

Section D. Residential (Home & Garden) Use

ProAct[®]

[Alternate Brand Names: Messenger[®] Gold]

Pre-Plant Seed Treatment

[OPTIONAL TAG LINES – Harpin α [™] Protein Inside [Logo]; Powered by Harpin α [™] Protein [Logo]; Contains Proprietary Harpin α [™] Protein [Logo]; For use individually or in combination on labels and/or accompanying materials: For Home & Garden Use; Home, Yard & Garden; A Biochemical Plant Activator For Healthier Plants; Promotes Plant Growth; Concentrate; Helps Manage Disease For Home and Garden Use; For Healthier Plants; Healthier Plants; Better Blooms; Larger Harvests; Plant Health Regulator; Plant Health Promoter; Growth Stimulator; Easy to Use; Broad Spectrum; Promotes Plant Growth for Superior Gardens; Breakthrough Technology; Revolutionary; Effective; Economical; For Use in Water Gardens and Ornamental Ponds; Delivering stronger and healthier plants; Increases root mass; Improves the health of every plant you grow! Improves the health of every plant in your garden! Improves the health of every plant you grow in your Garden! Fruits • Garden Flowers & Shrubs • House Plants • Vegetables; Boost overall growth and production; Improve plant stamina & vigor; Strengthen a plant's resistance to disease; Mix and Spray, or Simply Mix and Spray, or Mix and Spray Every Three Weeks, or Simply Mix and Spray Every Three Weeks; Harp-N-Tek[™] inside [LOGO]; Harp-N-Tek is Plant Health Care's trademark for its proprietary harpin protein technology.]

ACTIVE INGREDIENT:

Harpin α Protein: 1.0%

Other Ingredients 99.0%

Total 100.0%

EPA Reg. No. 71771-3

EPA Est. No. XXXXX-XX-XXX

KEEP OUT OF REACH OF CHILDREN

**CAUTION
PRECAUCIÓN**

See additional precautionary statements elsewhere on this label. [ALTERNATE TEXT: See [(side)(back)] panel for additional precautionary statements and first aid.]

[OPTIONAL – Packed for:]

PLANT HEALTH CARE, INC.
242 South Main Street, Suite 216
Holly Springs, NC 27540
1-800-421-9051
www.planthealthcare.com

[Lot] [Batch] [No.] [Code]: XXXXX
(Note to reviewer: Lot/batch number may be placed on the label or printed directly onto product packaging/container.)
NET WEIGHT: [5.0 oz. – 220.46 lbs.]

DIRECTIONS FOR USE

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

Harpin $\alpha\beta$, the active ingredient in ProAct, is derived from naturally occurring harpin proteins. ProAct stimulates the plant's natural growth and defense systems, enhancing overall plant health. Use ProAct to boost overall plant growth, vigor, and production, and to aid in the management of disease.

Use ProAct on all plants grown indoors and outdoors, including Roses and other Flowers, Vegetables, Fruiting Trees, Berries, Vines, Herbs, Floating and Emergent Aquatic Plants in Water Gardens and Ornamental Ponds, and all Ornamental Plants such as Trees, Shrubs, and Turf.

Mixing and Application Instructions

1. Add one packet to 3 gallons of water [**ALTERNATE LANGUAGE FOR SMALL PACKET:** Add one packet to 1 gallon of water] (¼ teaspoon per quart of water) and mix thoroughly.
2. Apply mixed product to plant foliage with a pump sprayer, mister, watering can, or other suitable applicator. Apply as a fine mist for most efficient coverage.
3. Apply when plants are actively growing. For best results, continue applications every 3 weeks through harvest, until first frost, or until plants become dormant.
4. Apply product the same day it is mixed. Re-apply if it rains within 30 minutes of application.
5. Carefully reseal opened packets to minimize exposure to air and moisture. Use opened packets within 3 weeks.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE

Store dry and out of direct sunlight. Do not store in temperatures over 110°F for more than 7 days.

PESTICIDE DISPOSAL AND CONTAINER HANDLING

Nonrefillable container. Do not reuse or refill this container.

If empty:

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.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if inhaled. Avoid breathing dust or spray mist. Remove and wash contaminated clothing before reuse. People and pets may enter treated areas after spray has dried.

FIRST AID

If Inhaled:	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. • Call a poison control center or doctor for further treatment advice.
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HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency medical treatment information, call the National Pesticide Information Center at 1-800-858-7378, 6:30 AM to 4:30 PM Pacific Time, seven days a week. During other times, call the poison control center at 1-800-222-1222.

ENVIRONMENTAL HAZARDS

To protect the environment, do not allow pesticide to enter or runoff into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind and rain does not blow or wash pesticide off the treatment area. Sweeping any product that lands on a driveway, sidewalk, or street back onto the treated area of the lawn or garden will help prevent runoff to water bodies or drainage systems.

NOTICE: To the extent consistent with applicable law, buyer assumes all responsibility for safety and use not in accordance with label directions.

© 2024 Plant Health Care, Inc. [product name] is a registered trademark and the Plant Health Care™ logo is a trademark of Plant Health Care, Inc. Always read and follow label instructions before buying or using this product.

[ALTERNATE LOCATION for Address/Phone/Website]

[OPTIONAL – Packed for:] Plant Health Care, Inc., Suite 216, 242 South Main Street, Holly Springs, North Carolina, 27540.

OPTIONAL LANGUAGE for labels and accompanying materials:

CAN BE USED UP TO THE DAY OF HARVEST

What does ProAct do?

- Stimulates a plant's defense and growth mechanisms
- Boosts overall growth, vigor, and production
- Aids in the management of disease
- Improves the plant's ability to grow and protect itself from stresses caused by adverse environmental conditions

[BARCODE]

XX.XXXX ProAct US H&G

Section E. Bulk Product for Re-packaging or Formulating Use Only

ProAct®

A Biochemical Pesticide – For Re-packaging or Formulating Use Only

Wettable Dry Granule

ACTIVE INGREDIENT:

Harpin α Protein:	1.0%
Other Ingredients	<u>99.0%</u>
Total	100.0%

EPA Reg. No. 71771-3

EPA Est. No. XXXXX-XX-XXX

KEEP OUT OF REACH OF CHILDREN

**CAUTION
PRECAUCIÓN**

See additional precautionary statements elsewhere on this label. [ALTERNATE TEXT: See [(side)(back)] panel for additional precautionary statements and first aid.]

[OPTIONAL – Manufactured for:]

**PLANT HEALTH CARE, INC.
242 South Main Street, Suite 216
Holly Springs, NC 27540
1-800-421-9051**

www.planthealthcare.com

[Lot] [Batch] [No.] [Code]: XXXXX

(Note to reviewer: Lot/batch number may be placed on the label or printed directly onto product packaging/container.)

NET WEIGHT: [44.092 lbs. – 1,102.3 lbs.]

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if inhaled. Avoid breathing dust or spray mist. Remove and wash contaminated clothing before reuse.

FIRST AID	
If Inhaled:	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. • Call a poison control center or doctor for further treatment advice.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency medical treatment information, call the National Pesticide Information Center at 1-800-858-7378, 6:30 AM to 4:30 PM Pacific Time, seven days a week. During other times, call the poison control center at 1-800-222-1222.	

ENVIRONMENTAL HAZARDS

For terrestrial uses: Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash waters or rinsate.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. For re-packaging only or formulating use only.

STORAGE AND DISPOSAL
Do not contaminate water, food, or feed by storage and disposal.
PESTICIDE STORAGE
Keep product away from exposure to air, sunlight, moisture, or heat. Do not store in temperatures over 110°F for more than 7 days.
PESTICIDE DISPOSAL
Wastes resulting from use of this product must be disposed of on site or at an approved waste disposal facility.
CONTAINER HANDLING
[RIGID NONREFILLABLE CONTAINERS:] [Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.]
[NONREFILLABLE FIBER DRUMS WITH LINERS:] [Nonrefillable container. Do not reuse or refill this container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then offer for recycling if available or 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. If drum is contaminated and cannot be reused, dispose of it in the manner required for its liner.]
[NON-RIGID NONREFILLABLE CONTAINERS:] [Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling if available or dispose of empty bag in a sanitary landfill or by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.]

[BARCODE]

XX.XXXX ProAct US Bulk
