



OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

December 7, 2023

Ms. Pam McGee
Regulatory Affairs Specialist II
Novozymes BioAg Inc.
3101 West Custer Avenue
Milwaukee, Wisc. 53209

Subject: Non-PRIA (Pesticide Registration Improvement Act) Labeling Amendment – Revising container handling statement; adding “Not for use in California”

Product Name: Torque CC Seed Treatment

EPA Registration Number: 73314-16

EPA Receipt Date: 08/30/2023

Action Case Number: 00489355

Dear Ms. McGee:

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

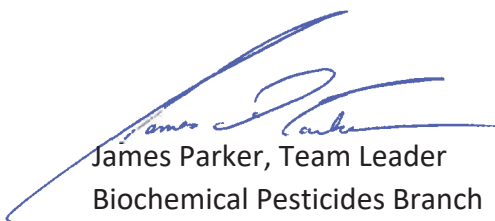
Should you wish to add/retain a reference to your company’s website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the U.S. Environmental Protection Agency (EPA). If the website is false or misleading, the product will be considered to be 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 Nina Naimy via email at naimy.nina@epa.gov.

Sincerely,



James Parker, Team Leader
Biochemical Pesticides Branch
Biopesticides and Pollution
Prevention Division (7511M)
Office of Pesticide Programs

Enclosure

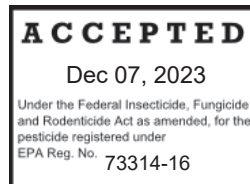
MASTER LABEL FOR EPA REG. No. 73314-16

Sublabels and Alternate Brand Names

Sublabel A: **Torque[®] CC Seed Treatment** –
Seed treatment uses

Sublabel B: **Ratchet** – Foliar uses

Sublabel C: **Torque[®] IF** – In furrow uses



EPA Reg. 73314-16

Manufactured by:

Novozymes BioAg, Inc.
3101 W. Custer Ave
Milwaukee, WI 53209
1-888-744-5662

Sublabel A: Seed Treatment Uses

Editorial Notes:

Bracketed text [] is optional text.
Parenthetical text () is notes to EPA

(Sublabel Brand Name:)

Torque[®] CC Seed Treatment

ACTIVE INGREDIENT:

LCO SP104: D-Glucose,O-2-deoxy-2-[[[(11Z)-1-oxo-11-octadecen-1-yl]amino]-β-D-glucopyranosyl(1→4)-O-2-(acetylamino)-2-deoxy-β-D-glucopyranosyl-(1→4)-O-2-(acetylamino)-2-deoxy-β-Dglucopyranosyl-(1→4)-O-2-(acetylamino)-2-deoxy-β-D-glucopyranosyl-(1→4)-2-(acetylamino)-2-deoxy-

..... 0.000025%
OTHER INGREDIENTS:..... > 99.999975%
100.000000%

Contains 0.0000021 pounds SP104 per U.S. gallon (0.00025 grams AI/liter)

EPA Reg. No. 73314-16

EPA Est. No. [Enter appropriate EPA establishment no.]

KEEP OUT OF REACH OF CHILDREN

CAUTION

Net Contents: [XX gallon] [XX quart] [XX pint] [XX L]

Batch Code: _____

[Produced [By]:]
Novozymes BioAg, Inc.
3101 W. Custer Ave
Milwaukee, WI 53209
1-888-744-5662 [1-800-245-4104]

EPA Reg. No. 73314-16
EPA Establishment Number: (XXXXXX-XX-XXX)

Made in [USA] [Canada]
[www.bioag.novozymes.com]

[NOVOZYMES RETHINK TOMORROW] [LOGO]

PRECAUTIONARY STATEMENTS

Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

Personal Protective Equipment (PPE)

All mixers, loaders, applicators, and other handlers must wear long-sleeved shirt, long pants, shoes, socks and gloves.

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

Environmental Hazards

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 washwater or rinsate.

DIRECTIONS FOR USE

Read the entire label before using this product.

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

For use only in commercial seed treatment equipment. Not for use in hopper box, planter box, slurry box, or other on-farm seed treatment applications.

Product Description

(INSERT BRAND NAME) is a liquid formulation for use as a seed treatment that features lipochitooligosaccharide (LCO) technology.

In corn:

(INSERT BRAND NAME) is a liquid formulation for use as a seed treatment that features lipochitooligosaccharide (LCO) technology. The LCO in this product directly stimulates germination of mycorrhizal spores and promotes mycorrhizal symbioses in the root zone. Mycorrhizae are beneficial fungi that colonize plant roots and can form networks in the soil. Plant roots recognize the LCO and other signals produced by the germinating mycorrhizal spores to stimulate specialized symbiotic interactions between roots and mycorrhizae. Mycorrhizal colonization of plant roots increases the functional root volume of the plant providing increased access to and uptake of soil nutrients and water. The LCO mode of action supports the growth and yield potential of the crop.

- Stimulates germination of mycorrhizal spores
- Enhances mycorrhizal colonization which increases functional root volume as well as nutrient and water uptake through the roots
- Increases yield potential

Application Information

USE INFORMATION

Apply (INSERT BRAND NAME) as a water-based slurry either alone or with registered seed treatments using standard slurry or mist-type seed treatment application equipment.

(INSERT BRAND NAME) may be used in combination with other registered seed treatment products, including Acceleron® Seed Applied Solutions. Pre-check for compatibility with other seed treatment products.

Dilute with a sufficient amount of water to achieve uniform application to seed. Use high quality, properly cleaned seed.

All seed commercially treated with this product must be adequately dyed with a suitable color to prevent accidental use as food for humans or feed for animals. Use an EPA-approved dye or colorant that imparts an unnatural color to the seed. Any dye or colorant added to treated seed must be cleared for use pursuant to 40 CFR, Part 153.155.

MIXING INSTRUCTIONS

Add 1/2 to 2/3 of the required water to the treatment slurry tank followed by any accompanying seed treatment products and (INSERT BRAND NAME). The order of product addition is dependent on the accompanying seed treatment products and application equipment used. Allow each slurry component to disperse completely prior to the next addition until a uniform suspension is obtained. After all slurry components have been added and dispersed completely, add the remaining 1/2 to 1/3 of required water for proper slurry volume and mix until uniform. Maintain adequate agitation until treatment slurry is applied.

APPLICATION RATES

Crop	Product Use Rate (ml/kg seed)	Product Use Rate (fl oz/cwt seed)		
Canola (OSR)	1.2	1.9		
Crop	Product Use Rate (ml/kg seed)	Product Use Rate (fl oz/cwt seed)	Product Use Rate (fl oz/unit seed)	Seed/Unit (Seed/lb*)
Corn	0.014	0.02	0.01	80,000 (1,600)
*Seed weight varies				

SEED LABELING

The user is responsible for ensuring that the treated seed container meets all of the requirements under the Federal Seed Act. The Federal Seed Act requires that the container of seed treated with (INSERT BRAND NAME) must be labeled with the following statements:

- This seed has been treated with SP104.
- Do not use treated seed for food, feed and oil production.

In addition, the US Environmental Protection Agency requires the following statements on the container of seed treated with (INSERT BRAND NAME):

- Wear long-sleeved shirt, long pants, shoes, socks, and gloves when handling treated seed.
- Store treated seed away from food and feed, and do not allow access by children, pets, or livestock. Do not reuse empty seed containers.
- Surplus treated seed or empty seed containers should be stored or disposed according to local requirements.
- Do not contaminate bodies of water when disposing of excess treated seed or wash waters from planting equipment.

CROP ROTATION

There are no restrictions on crop rotation.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in original container away from feed and food. Store in a cool, dry place. Do not store in direct sunlight.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. If these wastes cannot be used according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance in proper disposal methods.

CONTAINER HANDLING AND DISPOSAL: Non-refillable container (5 gallons (19 liters) or less). Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. **Triple rinse as follows:** empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container $\frac{1}{4}$ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. **Pressure rinse as follows:** Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

Once container is rinsed, offer for recycling if available or puncture and dispose of in a sanitary landfill, by incineration, or by other procedures allowed by state and local authorities.

Non-refillable container (greater than 5 gallons (19 liters)). [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 and drain for 10 seconds after the flow begins to drip. Fill the container $\frac{1}{4}$ 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 side and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use and disposal. Repeat this procedure two more times. **Pressure rinse as follows:** Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

Once container is rinsed, offer for recycling if available or puncture and dispose of in a sanitary landfill, by incineration, or by other procedures allowed by state and local authorities.]

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

Refillable container. Refill this container with pesticide only. Do not use this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling, if available or puncture and dispose of in a sanitary landfill, by incineration, or by other procedures allowed by state and local authorities.

LIMITS OF LIABILITY AND WARRANTY

The Directions for Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and must be followed carefully.

Novozymes BioAg, Inc. warrants that at the time of the first sale of this product, it conforms to the chemical description on this label, and when used according to the label directions under normal growing conditions, it is reasonably fit for the purposes referred to above. To the extent consistent with applicable law, buyers/users of this product assume full risk for any use contrary to the specified directions. If this product does not perform as warranted above, customer's sole remedy for breach of warranty, to the extent consistent with applicable law, shall be replacement of the product or refund of the purchase price paid, at the option of Novozymes BioAg, Inc.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE LIMIT OF THE LIABILITY OF THIS COMPANY OR ANY OTHER SELLER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT (INCLUDING CLAIMS BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY, OTHER TORT OR OTHERWISE) SHALL BE THE PURCHASE PRICE PAID BY THE USER OR BUYER FOR THE QUANTITY OF THIS PRODUCT INVOLVED, OR, AT THE ELECTION OF NOVOZYMES OR ANY OTHER SELLER, THE REPLACEMENT OF SUCH QUANTITY, OR, IF NOT ACQUIRED BY PURCHASE, REPLACEMENT OF SUCH QUANTITY. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO EVENT SHALL THIS COMPANY OR ANY OTHER SELLER OF THE PRODUCT BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL, PUNITIVE OR SPECIAL DAMAGES.

Upon opening and using this product, buyer and all users are deemed to have accepted the terms of this LIMIT OF LIABILITY AND WARRANTY which may not be varied by any verbal or written agreement. If terms are not acceptable, return at once unopened.

EPA Reg. No. 73314-16

©[year first published] Novozymes BioAg Inc.

Manufactured by:

Novozymes BioAg, Inc.

3101 W. Custer Ave

Milwaukee, WI 53209

[1-888-744-5662][1-800-245-4104]

Net Contents: [XX gallon] [XX quart] [XX pint] [XX L] Batch

Code: _____ [*Print Plate Number*]

Torque® is a registered trademark of Novozymes A/S.

Sublabel B: Foliar Uses

Editorial Notes:

Bracketed text [] is optional text.
Parenthetical text () is notes to EPA

(Sublabel Brand Name:)

Ratchet

ACTIVE INGREDIENT:

LCOSP104:D-Glucose,O-2-deoxy-2-[[[(11Z)-1-oxo-11-octadecen-1-yl]amino]-β-Dglucopyranosyl-(1→4)-O-2-(acetylamino)-2-deoxy-β-D-glucopyranosyl-(1→4)-O-2(acetylamino)-2-deoxy-β-D-glucopyranosyl-(1→4)-O-2-(acetylamino)-2-deoxy-β-Dglucopyranosyl-(1→4)-2-(acetylamino)-2-deoxy- 0.000025%
OTHER INGREDIENTS > 99.999975%
100.000000%

Contains 0.0000021 pounds SP104 per U.S. gallon (0.00025 grams AI/liter)

KEEP OUT OF REACH OF CHILDREN

CAUTION

Net Contents: [XX gallon] [XX quart] [XX pint] [XX L]

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EPA Reg. No. 73314-16
EPA Establishment Number: (XXXXXX-XX-XXX)

Made in [USA] [Canada]
[www.bioag.novozymes.com]

[NOVOZYMES RETHINK TOMORROW] [LOGO]

PRECAUTIONARY STATEMENTS

Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear:

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

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

USER SAFETY RECOMMENDATIONS

Users should:

- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

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

DIRECTIONS FOR USE

Read the entire label before using this product.

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

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the 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 only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 4 hours.

PPE required for early entry to treated areas (that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water) is:

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

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses 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 Description

(INSERT BRAND NAME) is a liquid formulation for use in terrestrial and greenhouse foliar applications that features lipo-chitooligosaccharide (LCO) technology. The LCO mode of action supports the growth and yield potential of the crop by increasing each of the following:

- Stomata conductance
- Transpiration rate
- Photosynthesis • Sugar content
- Nutrient uptake

Application Information

PRE-HARVEST INTERVAL: Pre-harvest interval for (INSERT BRAND NAME) is zero (0) days. (INSERT BRAND NAME) may be applied up to the day of harvest.

SITES FOR USE

TERRESTRIAL FOOD CROPS: (INSERT BRAND NAME) can be used on the crops listed below[:]
[,including greenhouse, nursery and outdoor agricultural sites].

APPLICATION INSTRUCTIONS

MIXING INSTRUCTIONS: **Shake well before using.** (INSERT BRAND NAME) may be applied using hand-held, ground and/or aerial spray equipment. (INSERT BRAND NAME) mixes readily in water. Fill spray tank with half of the desired amount of water and start agitation. Slowly add desired amount of (INSERT BRAND NAME) to spray tank. Add remaining desired amount of water. Triple rinse empty (INSERT BRAND NAME) container with water and add rinse water to spray tank.

TERRESTRIAL FIELD APPLICATIONS: Dilute 2 or 4 oz of (INSERT BRAND NAME) into 5 to 20 gallons of water. For aerial applications apply 5 gallons of diluted product per acre. For ground or boom sprayer applications apply 10-20 gallons of diluted product per acre. Use sufficient carrier to adequately cover crop foliage. As needed, apply a second application at least 14 days later. Do not exceed 2 applications or 8 oz LCO ai/A per season.

GREENHOUSE APPLICATIONS: Apply final solution of (INSERT BRAND NAME) at a rate of 2 or 4 fluid ounces per acre. Volume of water in tank depends on instructions for other tank-mixed chemistry. Use

sufficient carrier to adequately cover crop foliage. As needed, apply a second application at least 14 days later. Do not exceed 2 applications or 8 oz LCO ai/A per season.

APPLICATION TIMING: Apply at mid-vegetative stage and/or early reproductive stage for row crops. For specialty crops, apply in vegetative stage for leaf quality and early flowering stage for increased flowers and fruit.

CROP ROTATION: There are no restrictions on crop rotation.

TANK MIX COMPATIBILITY: (INSERT BRAND NAME) is chemically compatible with a wide range of pesticides and spray adjuvants. If adjuvants are required when applying (INSERT BRAND NAME) in combination with other pesticides, contact your dealer or Novozymes BioAg, Inc. for specific recommendations.

Observe the most restrictive of the labeling limitations and precautions of all products used in mixtures.

CONTROLLING DRIFT: Do not allow spray to drift from the application site and contact people, nontarget crops, or animals.

For ground boom applications, apply with nozzle height no more than 4 feet above the ground or crop canopy and when wind speed is 10 mph or less at the application site as measured by an anemometer. Use a fine or medium spray according to ASAE 572 definition for standard nozzles or VMD for spinning atomizer nozzles.

For aerial applications, the boom width must not exceed 75% of the wingspan or 90% of the rotary blade. Use upwind swath displacement and apply only when wind speed is 3 -- 10 mph as measured by an anemometer. Use medium or coarser spray according to ASAE 572 definition for standard nozzles or VMD for spinning atomizer nozzles. If application includes a no-spray zone, do not release spray at a height greater than 10 feet above the ground or the crop canopy.

The applicator also must use all other measures necessary to control drift.

CHEMIGATION OR FERTIGATION APPLICATIONS:

Overall Requirements:

- Apply (INSERT BRAND NAME) only through 1) overhead boom and mist-type systems; 2) sprinklers such as impact, micro-sprinkler, center pivot, lateral move, end tow, side (wheel) roll, traveler, solid set, or hand-move systems; 3) pressurized drench (flood) or drip (trickle) systems; 4) micro-irrigation such as spaghetti tube or individual tube irrigation; 5) hand-held calibrated irrigation equipment such as hand-held wand with injector; and 6) ebb and flow systems. Do not apply this product through any other type of irrigation system.
- Crop injury and/or lack of effectiveness can result from non-uniform distribution of treated water.
- If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.
- Do not connect an irrigation system used for chemical application to a public water system unless the chemistry label-prescribed safety devices for public water systems are in place.
- 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.

Requirements for Chemigation Systems Connected to Public Water Systems:

- 1) Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.
- 2) Chemigation systems connected to public water systems must contain a functional, reduced pressure zone, back flow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of chemical introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to chemical introduction. There shall be a complete physical break (air gap) between the flow outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.
- 3) The chemical injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- 4) The chemical injection pipeline must 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.
- 5) The system must contain functional interlocking controls to automatically shut off the chemical injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where distribution is adversely affected.
- 6) 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 chemistries or fertilizers and capable of being fitted with a system interlock.
- 7) Do not apply when wind speed favors drift beyond the area intended for treatment.
- 8) Continuous agitation is not required in the supply tanks unless tank mixing with other products or fluid fertilizers that require it.
- 9) Application of the product may be made continuously for the duration of the water application or can be applied at the end or after the water application.
- 10) To mix in supply tank, fill tank halfway with water and add product. Stir until completely dissolved. Fill tank with remaining amount of water.
- 11) Use appropriate amount of water so as not to create excessive leaching or runoff.

Sprinkler Chemigation Requirements:

- 1) 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.
- 2) The chemical injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- 3) The chemical 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.
- 4) The system must contain functional interlocking controls to automatically shut off the chemical injection pump when the water pump motor stops.
- 5) 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 chemistry or fertilizer distribution is adversely affected.
- 6) 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 the chemistries in use and capable of being fitted with a system interlock.
- 7) Do not apply when wind speed favors drift beyond the area intended for treatment.

- 8) Continuous agitation is not required in supply tanks unless tank mixing with other products or fluid fertilizers that require it.
- 9) Application of the product may be made continuously for the duration of the water application or can be applied at the end or after the water application.
- 10) To mix in supply tank, fill tank halfway with water and add product. Stir until completely dissolved. Fill tank with remaining amount of water.
- 11) Use appropriate amount of water so as not to create excessive leaching or runoff.

Drip Chemigation Requirements:

- 1) 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.
- 2) The chemistry injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- 3) The chemical 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.
- 4) The system must contain functional interlocking controls to automatically shut off the injection pump when the water pump motor stops.
- 5) 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 chemistry or fertilizer distribution is adversely affected.
- 6) 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 chemistries or fertilizers and capable of being fitted with a system interlock.
- 7) Use of a supply tank is recommended. Continuous agitation is not required in the supply tanks unless tank mixing with other products or fluid fertilizers that require it.
- 8) Application of the product may be made continuously for the duration of the water application or can be applied at the end or after the water application.
- 9) To mix in supply tank, fill tank halfway with water and add product. Stir until completely dissolved. Fill tank with remaining amount of water.
- 10) Use appropriate amount of water so as not to create excessive leaching or runoff.

Flood Chemigation Requirements:

- 1) Systems using a gravity flow chemical dispensing system must meter the chemistries or fertilizer into the water at the head of the field and downstream of a hydraulic discontinuity such as a drop structure or weir box to decrease potential for water source contamination from back flow if water flow stops.
- 2) Systems utilizing a pressurized water and injection system must meet the following requirements:
 - a. 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.
 - b. The chemical injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
 - c. The chemical 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.
 - d. The system must contain functional interlocking controls to automatically shut off the chemical injection pump when the water pump motor stops.

- e. 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 chemistry or fertilizer distribution is adversely affected.
 - f. 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 the chemistries or fertilizers and capable of being fitted with a system interlock.
- 3) Use of a supply tank is recommended. Continuous agitation is not required in supply tanks unless tank mixing with other products or fluid fertilizers that require it.
 - 4) Application of the product may be made continuously for the duration of the water application or can be applied at the end or after the water application.
 - 5) To mix in supply tank, fill tank halfway with water and add product. Stir until completely dissolved. Fill tank with remaining amount of water.
 - 6) Use appropriate amount of water so as not to create excessive leaching or runoff.

APPLICATION INSTRUCTIONS FOR ALL CHEMIGATION METHODS: Apply final solution of (INSERT BRAND NAME) at a rate of 2 or 4 fluid ounces per acre. Volume of water in tank depends on instructions for other tank-mixed chemistry. Use sufficient carrier to adequately cover crop foliage or crop area. As needed, apply a second application at least 14 days later. Do not exceed 2 applications or 8 oz LCO ai/A per season.

CROPS ON WHICH (INSERT BRAND NAME) MAY BE USED:

- Crop Group 2: Leaves of Root and Tuber Vegetables (Human Food or Animal Feed) Group – Commodities[*]
 - Crop Group 4. Leafy Vegetables (Except Brassica Vegetables) Group.[*]
 - Crop Group 6: Legume Vegetables (Succulent or Dried)[*]
 - Crop Group 7: Foliage of Legume Vegetables Group[*]
 - Crop Group 8-10: Fruiting Vegetable Group[*]
 - Crop Group 9: Cucurbit Vegetables[*]
 - Crop Group 15. Cereal Grains Group.[*]
 - Crop Group 16. Forage, Fodder and Straw of Cereal Grains Group.[*]
 - Crop Group 17. Grass Forage, Fodder, and Hay Group.[*]
 - Crop Group 18. Non-grass Animal Feeds (Forage, Fodder, Straw, and Hay)[*]
 - Crop Group 20. Oilseed Group[*]
 - Hemp[*]
 - Turf and ornamentals[*]
- [*Not for use in California]

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in original container away from feed and food. Store in a cool, dry place. Do not store in direct sunlight.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. If these wastes cannot be used according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance in proper disposal methods.

CONTAINER HANDLING AND DISPOSAL: [Non-refillable container (5 gallons (19 liters) or less). 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 and drain for 10 seconds after the flow begins to drip. Fill the container $\frac{1}{4}$ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling, if available, or puncture and dispose of in a sanitary landfill or by incineration. Do not burn, unless allowed by state and local ordinances. If burned, stay out of smoke.]

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

Non-refillable container (greater than 5 gallons (19 liters)). 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 and drain for 10 seconds after the flow begins to drip. Fill the container $\frac{1}{4}$ 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 side and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use and disposal. Repeat this procedure two more times. Once container is rinsed, offer for recycling if available or puncture and dispose of in a sanitary landfill, by incineration, or by other procedures allowed by state and local authorities.

LIMITS OF LIABILITY AND WARRANTY

The Directions for Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and must be followed carefully.

Novozymes BioAg, Inc. warrants that at the time of the first sale of this product, it conforms to the chemical description on this label, and when used according to the label directions under normal growing conditions, it is reasonably fit for the purposes referred to above. To the extent consistent with applicable law, buyers/users of this product assume full risk for any use contrary to the specified directions. If this product does not perform as warranted above, customer's sole remedy for breach of warranty, to the extent consistent with applicable law, shall be replacement of the product or refund of the purchase price paid, at the option of Novozymes BioAg, Inc.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE LIMIT OF THE LIABILITY OF THIS COMPANY OR ANY OTHER SELLER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT (INCLUDING CLAIMS BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY, OTHER TORT OR OTHERWISE) SHALL BE THE PURCHASE PRICE PAID BY THE USER OR BUYER FOR THE QUANTITY OF THIS PRODUCT INVOLVED, OR, AT THE ELECTION OF NOVOZYMES OR ANY OTHER SELLER, THE REPLACEMENT OF SUCH QUANTITY, OR, IF NOT ACQUIRED BY PURCHASE, REPLACEMENT OF SUCH QUANTITY. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO EVENT SHALL THIS COMPANY OR ANY OTHER SELLER OF THE PRODUCT BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL, PUNITIVE OR SPECIAL DAMAGES.

Upon opening and using this product, buyer and all users are deemed to have accepted the terms of this LIMIT OF LIABILITY AND WARRANTY which may not be varied by any verbal or written agreement. If terms are not acceptable, return at once unopened.

EPA Reg. No. 73314-16

©[year first published] Novozymes BioAg Inc.

Manufactured by:

Novozymes BioAg, Inc.

3101 W. Custer Ave

Milwaukee, WI 53209

[1-888-744-5662][1-800-245-4104]

Net Contents: [XX gallon] [XX quart] [XX pint] [XX L] Batch

Code: _____ [*Print Plate Number*]

[Torque® is a registered trademark of Novozymes A/S.]

Sublabel C: In furrow Use

Editorial Notes:

Bracketed text [] is optional text.
Parenthetical text () is notes to EPA

(Sublabel Brand Name:)

Torque[®] IF

ACTIVE INGREDIENT:

LCOSP104:D-Glucose,O-2-deoxy-2-[[[(11Z)-1-oxo-11-octadecen-1-yl]amino]-β-Dglucopyranosyl-(1→4)-O-2-(acetylamino)-2-deoxy-β-D-glucopyranosyl-(1→4)-O-2(acetylamino)-2-deoxy-β-D-glucopyranosyl-(1→4)-O-2-(acetylamino)-2-deoxy-β-Dglucopyranosyl-(1→4)-2-(acetylamino)-2-deoxy- 0.000025%
OTHER INGREDIENTS > 99.999975%
100.000000%

Contains 0.0000021 pounds SP104 per U.S. gallon (0.00025 grams AI/liter)

KEEP OUT OF REACH OF CHILDREN

CAUTION

Net Contents: [XX gallon] [XX quart] [XX pint] [XX L]

Batch Code: _____

[Produced [By]:]

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EPA Establishment Number: (XXXXXX-XX-XXX)

Made in [USA] [Canada]

[www.bioag.novozymes.com]

[NOVOZYMES RETHINK TOMORROW] [LOGO]

PRECAUTIONARY STATEMENTS

Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear:

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

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

USER SAFETY RECOMMENDATIONS

Users should:

- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

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

DIRECTIONS FOR USE

Read the entire label before using this product.

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

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the 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 only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 4 hours.

PPE required for early entry to treated areas (that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water) is:

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

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses 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 Description

(INSERT BRAND NAME) is a liquid formulation for use as an in-furrow application that features lipochitooligosaccharide (LCO) technology. The LCO in this product directly stimulates germination of mycorrhizal spores and promotes mycorrhizal symbioses in the root zone. Mycorrhizae are beneficial fungi that colonize plant roots and can form networks in the soil. Plant roots recognize the LCO and other signals produced by the germinating mycorrhizal spores to stimulate specialized symbiotic interactions between roots and mycorrhizae. Mycorrhizal colonization of plant roots increases the functional root volume of the plant providing increased access to and uptake of soil nutrients and water. The LCO mode of action supports the growth and yield potential of the crop.

- Stimulates germination of mycorrhizal spores
- Enhances mycorrhizal colonization which increases functional root volume as well as nutrient and water uptake through the roots
- Increases yield potential

Application Information

PRE-HARVEST INTERVAL: Pre-harvest interval for (INSERT BRAND NAME) is zero (0) days. (INSERT BRAND NAME) may be applied up to the day of harvest.

SITES FOR USE

TERRESTRIAL FOOD CROPS: (INSERT BRAND NAME) can be used on the crops listed below[:]
[,including greenhouse, nursery and outdoor agricultural sites].

APPLICATION INTRUCTIONS

MIXING INSTRUCTIONS:

Shake well before using. Perform a jar test prior to mixing products to insure compatibility. (INSERT BRAND NAME) is compatible with liquid fertilizers and additives, and mixes readily in water. When adding

(INSERT BRAND NAME) to another product or fertilizer, fill tank with half of the desired amount of water and start agitation/mixing. Place other product into tank and then add (INSERT BRAND NAME). Mix thoroughly to ensure the combination product is adequately blended. Add remaining desired amount of water. Triple rinse empty (INSERT BRAND NAME) container with water and add rinse water to tank. Once mixed, use within 24 hours.

SOIL APPLICATIONS:

- In-Furrow Applications: Dilute 1 oz of (INSERT BRAND NAME) into at least 2.5 gallons of water or carrier per acre. Apply as an in-furrow spray in the required amount of water per acre for the crop at planting. Mount the spray nozzle so the spray is directed in the furrow just before the seeds are covered. Use a minimum volume application of 2.5 gallons of water or liquid fertilizer carrier per acre.
- 2x2 Applications: Dilute 1 oz of (INSERT BRAND NAME) into 2.5-20 gallons per acre carrier (water or liquid fertilizer). Apply evenly beside rows but can directly contact crops if necessary.

GREENHOUSE APPLICATIONS:

- Apply final solution of (INSERT BRAND NAME) at a rate of 1 oz per acre. Volume of water in tank depends on instructions for other tank-mixed chemistry. Use enough carrier to adequately hydrate the soil. Do not overwater.
- Cutting or Bare-Rooted Transplant Dip: Dip cuttings or transplants into a solution of 1 oz of this product for every 10 gallons of water. If desired, let soak for up to three hours or overnight prior to planting. Keep solution out of direct sunlight for this method. Plant treated cuttings or transplants in soil in the usual manner.

CROP ROTATION: There are no restrictions on crop rotation.

TANK MIX COMPATIBILITY: (INSERT BRAND NAME) is chemically compatible with a wide range of fertilizers, pesticides and adjuvants. If adjuvants are required when applying (INSERT BRAND NAME) in combination with other pesticides, contact your dealer or Novozymes BioAg, Inc. for specific recommendations.

Observe the most restrictive of the labeling limitations and precautions of all products used in mixtures.

CHEMIGATION OR FERTIGATION APPLICATIONS:

Overall Requirements:

- Apply (INSERT BRAND NAME) only through 1) overhead boom and mist-type systems; 2) sprinklers such as impact, micro-sprinkler, center pivot, lateral move, end tow, side (wheel) roll, traveler, solid set, or hand-move systems; 3) pressurized drench (flood) or drip (trickle) systems; 4) micro-irrigation such as spaghetti tube or individual tube irrigation; 5) hand-held calibrated irrigation equipment such as hand-held wand with injector; and 6) ebb and flow systems. Do not apply this product through any other type of irrigation system.
- Crop injury and/or lack of effectiveness can result from non-uniform distribution of treated water.
- If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.
- Do not connect an irrigation system used for chemical application to a public water system unless the chemistry label-prescribed safety devices for public water systems are in place.

- 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.

Requirements for Chemigation Systems Connected to Public Water Systems:

- 12) Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.
- 13) Chemigation systems connected to public water systems must contain a functional, reduced pressure zone, back flow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of chemical introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to chemical introduction. There shall be a complete physical break (air gap) between the flow outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.
- 14) The chemical injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- 15) The chemical injection pipeline must 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.
- 16) The system must contain functional interlocking controls to automatically shut off the chemical injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where distribution is adversely affected.
- 17) 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 chemistries or fertilizers and capable of being fitted with a system interlock.
- 18) Do not apply when wind speed favors drift beyond the area intended for treatment.
- 19) Continuous agitation is not required in the supply tanks unless tank mixing with other products or fluid fertilizers that require it.
- 20) Application of the product may be made continuously for the duration of the water application or can be applied at the end or after the water application.
- 21) To mix in supply tank, fill tank halfway with water and add product. Stir until completely dissolved. Fill tank with remaining amount of water.
- 22) Use appropriate amount of water so as not to create excessive leaching or runoff.

Sprinkler Chemigation Requirements:

- 12) 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.
- 13) The chemical injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- 14) The chemical 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.
- 15) The system must contain functional interlocking controls to automatically shut off the chemical injection pump when the water pump motor stops.
- 16) 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 chemistry or fertilizer distribution is adversely affected.

- 17) 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 the chemistries in use and capable of being fitted with a system interlock.
- 18) Do not apply when wind speed favors drift beyond the area intended for treatment.
- 19) Continuous agitation is not required in supply tanks unless tank mixing with other products or fluid fertilizers that require it.
- 20) Application of the product may be made continuously for the duration of the water application or can be applied at the end or after the water application.
- 21) To mix in supply tank, fill tank halfway with water and add product. Stir until completely dissolved. Fill tank with remaining amount of water.
- 22) Use appropriate amount of water so as not to create excessive leaching or runoff.

Drip Chemigation Requirements:

- 11) 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.
- 12) The chemistry injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- 13) The chemical 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.
- 14) The system must contain functional interlocking controls to automatically shut off the injection pump when the water pump motor stops.
- 15) 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 chemistry or fertilizer distribution is adversely affected.
- 16) 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 chemistries or fertilizers and capable of being fitted with a system interlock.
- 17) Use of a supply tank is recommended. Continuous agitation is not required in the supply tanks unless tank mixing with other products or fluid fertilizers that require it.
- 18) Application of the product may be made continuously for the duration of the water application or can be applied at the end or after the water application.
- 19) To mix in supply tank, fill tank halfway with water and add product. Stir until completely dissolved. Fill tank with remaining amount of water.
- 20) Use appropriate amount of water so as not to create excessive leaching or runoff.

Flood Chemigation Requirements:

- 7) Systems using a gravity flow chemical dispensing system must meter the chemistries or fertilizer into the water at the head of the field and downstream of a hydraulic discontinuity such as a drop structure or weir box to decrease potential for water source contamination from back flow if water flow stops.
- 8) Systems utilizing a pressurized water and injection system must meet the following requirements:
 - a. 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.
 - b. The chemical injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
 - c. The chemical 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.

- d. The system must contain functional interlocking controls to automatically shut off the chemical injection pump when the water pump motor stops.
 - e. 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 chemistry or fertilizer distribution is adversely affected.
 - f. 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 the chemistries or fertilizers and capable of being fitted with a system interlock.
- 9) Use of a supply tank is recommended. Continuous agitation is not required in supply tanks unless tank mixing with other products or fluid fertilizers that require it.
 - 10) Application of the product may be made continuously for the duration of the water application or can be applied at the end or after the water application.
 - 11) To mix in supply tank, fill tank halfway with water and add product. Stir until completely dissolved. Fill tank with remaining amount of water.
 - 12) Use appropriate amount of water so as not to create excessive leaching or runoff.

APPLICATION INSTRUCTIONS FOR ALL CHEMIGATION METHODS: Apply final solution of (INSERT BRAND NAME) at a rate of 2 or 4 fluid ounces per acre. Volume of water in tank depends on instructions for other tank-mixed chemistry. Use sufficient carrier to adequately cover crop foliage or crop area. As needed, apply a second application at least 14 days later. Do not exceed 2 applications or 8 oz LCO ai/A per season.

CROPS ON WHICH (INSERT BRAND NAME) MAY BE USED:

Crop Group 4. Leafy Vegetables (Except Brassica Vegetables) Group.[*]

Crop Group 6: Legume Vegetables (Succulent or Dried)[*]

Crop Group 8-10: Fruiting Vegetable Group[*]

Crop Group 9: Cucurbit Vegetables[*]

Crop Group 15. Cereal Grains Group[*]

Crop Group 20. Oilseed Group[*]

Hemp[*]

Turf and ornamentals.[*]

[*Not for use in California]

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in original container away from feed and food. Store in a cool, dry place. Do not store in direct sunlight.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. If these wastes cannot be used according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance in proper disposal methods.

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

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TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE LIMIT OF THE LIABILITY OF THIS COMPANY OR ANY OTHER SELLER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF

THIS PRODUCT (INCLUDING CLAIMS BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY, OTHER TORT OR OTHERWISE) SHALL BE THE PURCHASE PRICE PAID BY THE USER OR BUYER FOR THE QUANTITY OF THIS PRODUCT INVOLVED, OR, AT THE ELECTION OF NOVOZYMES OR ANY OTHER SELLER, THE REPLACEMENT OF SUCH QUANTITY, OR, IF NOT ACQUIRED BY PURCHASE, REPLACEMENT OF SUCH QUANTITY. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO EVENT SHALL THIS COMPANY OR ANY OTHER SELLER OF THE PRODUCT BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL, PUNITIVE OR SPECIAL DAMAGES.

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