NodPro®

ATTENTION

This Specimen label is provided for general information only.

ACTIVE INGREDIENT:

LCO MOR116: D-Glucose, O-6-deoxy-2-O-methyl-α-L-galactopyranosyl-(1→6)-O-[O-2-deoxy-2-[[(11Z)-1-oxo-11-octadecen-1-yl]amino]-ß-D-glucopyranosyl-(1→4)-O-2-(acetylamino)-2-deoxy-ß-D-glucopyranosyl-(1→4)-O-2-(acetylamino)-2-deoxy-ß-D-glucopyranosyl-(1→4)-2-(acetylamino)-2-deoxy D-Glucose, O-2-deoxy-2-[[(11Z)-1-oxo-11-octadecen-1-yl]amino]-ß-D-glucopyranosyl-(1→4)-O-2-(acetylamino)-2-deoxy-ß-D-glucopyranosyl-(1→4)-O-2-(acetylamino)-2-deoxy-ß-D-glucopyranosyl-(1→4)-O-2-(acetylamino)-2-deoxy-ß-D- glucopyranosyl-(1→4)-O-[6-deoxy-α-L-galactopyranosyl-(1→6)]-2-(acetylamino)-2-deoxy- **0.0000266%**

OTHER INGREDIENTS ..... **> 99.9999734%**

.....100.000000%

Contains 0.0000029 pounds LCO MOR116 per U.S. gallon (0.00035 grams AI/liter)

KEEP OUT OF REACH OF CHILDREN

CAUTION

EPA Reg. No. 73314-23
EPA Est.: 73314-WI-1

HOTLINE NUMBER

In case of an emergency involving this product, or for medical assistance,call day or night: 1-800-424-9300.

For product use information call: 1-888-744-5662

FIRST AID	
IF IN EYES	• Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. • Remove contact lenses, if present, after the first 5 minutes then continue rinsing eye.

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

USER SAFETY RECOMMENDATIONS

- Wash hands thoroughly with soap and water after handling and 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.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

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

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.

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 requirement specific to your State and Tribe, consult the State/Tribe agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS STATEMENTS

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), notification to workers, and restricted-entry interval. The requirements in this box apply to uses of this product that are covered by the Worker Protection Standard.

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
- Shoes plus socks

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

PRODUCT DESCRIPTION

The specific LCO in NodPro® has multiple modes of action that stimulate the growth of plant roots, promote nodulation and colonization of *Bradyrhizobium* on the root, and promote mycorrhizal symbiosis in the root zone. The NodPro® can also stimulate germination of mycorrhizal spores. Mycorrhizae are beneficial fungi that colonize plant roots and can form networks in the soil. LCO also induces the process of nodulation on the plant root which enables colonization of *Bradyrhizobium*. Plant roots recognize LCO and other signals produced by the germinating mycorrhizal spores and *Bradyrhizobium* to stimulate root growth. Increased root growth can provide improved access to soil nutrients including nitrogen and water. These modes of action support the growth and yield potential of the crop.

- Promotes nodulation and colonization of *Bradyrhizobium* on the root
- Stimulates germination of mycorrhizal spores
- Enhances interactions between plant roots and microbes which increases root growth as well as nutrient and water uptake through the roots
- Increases yield potential

USE INSTRUCTIONS

NodPro® is intended for use as a water-based slurry. Apply using seed treatment application equipment that will provide complete coverage of the seed. NodPro® may also be used with inoculants (instructions below).

Shake bottle of NodPro®well before using. Ensure that there is a sufficient liquid in the slurry tank to achieve uniform application to seed. Use high quality, properly cleaned seed.

MIXING AND APPLICATION INSTRUCTIONS

Apply NodPro® at a rate of 0.34 fl oz/100 lbs seed (0.22 mL/kg soybean seed) while following procedures described above.

Add the NodPro® and water, if needed, to the treatment slurry tank. Allow NodPro®to disperse completely until a uniform suspension is obtained. Maintain adequate agitation until treatment slurry is applied.

NodPro®

APPLICATION RATE FOR NodPro®:
METRIC UNITS

Product Use Rate (ml/kg soybean seed)	Product Use Rate (ml/140,000 soybean seeds)
0.22	5.02

US STANDARD MEASURE

Product Use Rate (fl oz/100 lbs soybean seed)	Product Use Rate (fl oz/soybean 140,000 seeds)
0.34	0.17

NodPro® USE IN COMBINATION WITH INOCULANTS
NodPro® can also be used in conjunction with inoculant products. When combined with *Bradyrhizobium* inoculants, NodPro® provides additional improvement in nutrient uptake in the roots. The inoculant does not affect the activity of NodPro® when used together.

For Best Results when using NodPro® in combination with inoculants, follow all the directions on the inoculant label.

- Open this product packaging only when ready to use.
- Application with other seed treatments is possible, but may reduce the planting window.
- Double inoculation, the act of using a double application of a *Bradyrhizobium* inoculant, is recommended in certain soil conditions (such as when planting on land previously used for pasture or planting soybeans for the first time). Double inoculation can be achieved by application of any combination of liquids, peat powders, or furrow-applied liquid or granular *Bradyrhizobium* inoculants that are labeled for the target crop.

SEED DYING
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.

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 NodPro® must be labeled with the following statements:

- This seed has been treated with LCO MOR116.
- Do not use treated seed for food, feed or oil production.

The US Environmental Protection Agency also requires the following statements on the container of seed treated with NodPro®:

- Wear long-sleeved shirt, long pants, shoes, socks, and chemical-resistant 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. All crops can be replanted immediately without restrictions.

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 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. **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 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.

LIMITS OF LIABILITY AND WARRANTY

Novozymes warrants that this product is reasonably fit for the purposes set forth in the DIRECTIONS FOR USE ("Directions") when used in accordance with those Directions under the conditions described therein. This warranty is also subject to the inherent risks, conditions and limitations stated herein. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, NO OTHER EXPRESS WARRANTY OR IMPLIED WARRANTY OF FITNESS FOR PARTICULAR PURPOSE, INFRINGEMENT (ALONE OR IN COMBINATION WITH OTHER REGISTERED PRODUCTS) OR MERCHANTABILITY IS MADE. To the extent consistent with applicable law, buyer and all users are responsible for all loss or damage from use or handling of the product that results from conditions beyond the control of Novozymes, including, but not limited to, crop injury, ineffectiveness due to such factors as weather conditions at planting, environmental conditions during seed storage, presence of other materials, seed of low quality or low vigor or low germination, or other unintended consequences that may result because of the manner of use or application inconsistent with that set forth in the Directions. Novozymes does not warrant any product reformulated or repackaged from this product except in accordance with Novozymes stewardship requirements and with Novozymes express written permission. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE LIMIT OF THE LIABILITY OF NOVOZYMES 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 NOVOZYMES 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 that may not be varied by any verbal or written agreement. If terms are not acceptable, return at once unopened.

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novozymes®

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