

# TagTeam® BioniQ® granular

*MultiAction*  
legume fertility for

pea and lentil

## ATTENTION:

This Specimen label is provided for general information only.

## MINIMUM GUARANTEE

ACTIVE: 1.3 x 10<sup>6</sup> cfu/g *Penicillium bilaiae*  
1.3 x 10<sup>8</sup> viable cfu/g *Rhizobium leguminosarum*  
2.0 x 10<sup>-8</sup>% lipo-chitooligosaccharide  
2.0 x 10<sup>6</sup> viable cfu/g *Bacillus amyloliquefaciens*  
4.7 x 10<sup>5</sup> cfu/g *Trichoderma virens*

INERT: peat-based carrier

## NONPLANT FOOD INGREDIENT

Not a fertilizer substitute

## How it Works

The active ingredients in TagTeam® BioniQ® granular for pea and lentil are *Penicillium bilaiae*, *Trichoderma virens*, *Bacillus amyloliquefaciens*, *Rhizobium leguminosarum* and lipo-chitooligosaccharide (LCO). *Rhizobium leguminosarum* forms root nodules which convert atmospheric nitrogen into forms the plant can use. *Bacillus amyloliquefaciens* and *Trichoderma virens* can increase the availability and uptake of certain important plant nutrients. *Penicillium bilaiae* makes less-available residual soil phosphate available for crop use. The LCO molecule is involved as a signal molecule, driving communication in the rhizobia-legume nodulation system. When present, LCO allows for the nodulation process to begin earlier, improving plant performance. TagTeam BioniQ is not a fungicide and it will not replace your standard fungicide seed treatment.

## How to Apply

**Shipping and stacking of TagTeam BioniQ granular may cause some granules to become compacted. Loosen any compacted granules before using this product.**

TagTeam BioniQ granular should be applied directly with the seed in the seed row using a granular tank for application. Application rates will vary according to row spacing; refer to Table 1 for details. Apply in-furrow only. Do not band. Do not mix TagTeam BioniQ granular in the same tank with fertilizers, granular pesticides, or seed. TagTeam BioniQ granular can be used with pesticide treated seed. Do not leave TagTeam

BioniQ granular in tank or seed cart overnight. Be sure to calibrate your equipment to deliver the correct amount of TagTeam BioniQ granular per acre for your row spacing, refer to Table 1 for details. Under humid conditions, reduce the weight of TagTeam BioniQ granular per tank and check flow on a regular basis.

Calibrate with 50kg (22.7 lb) before adding more inoculant to the tank or seed cart. A maximum of 454 kg (1,000 lb) per tank should be used.

- Before using, make sure the hopper, rotor, feed mechanism, and calibration equipment are free from chemical residue, fertilizer, and debris.
- Make sure that the tubing to the planting shoe is as straight and vertical as possible.
- If using an air seeder, ensure that the tank screen is clean when filling tank or seed cart. Follow calibration instructions supplied by the air cart manufacturer. Check flow regularly.
- If augering, please do so at low speeds to avoid damage to TagTeam BioniQ granular.

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**Table 1: Application rates for TagTeam BioniQ granular inoculant for pea and lentil**

Row spacing (cm) Row spacing (in)	15.2 (6.0)	17.8 (7.0)	20.3 (8.0)	22.9 (9.0)	25.4 (10.0)	30.5 (12.0)	38.1 (15.0)
Application rates (kg/ha) Application rates (lb/ac)	6.1 (5.5)	5.3 (4.7)	4.6 (4.1)	4.0 (3.6)	3.7 (3.3)	3.1 (2.7)	2.4 (2.2)

Note: The bulk density for TagTeam BioniQ granular is approximately 0.6 g/cm<sup>3</sup> (37 lb/ft<sup>3</sup>).

## Special Considerations

Environmental conditions can change the flowability of TagTeam BioniQ granular.

- Do not allow TagTeam BioniQ granular to get wet or to dry out.
- In humid conditions, check and clean metering system regularly to ensure consistent flow.

## Applicators and Other Handlers

The active ingredients in TagTeam BioniQ granular pea and lentil are *Penicillium bilaiae* and *Trichoderma virens* spores, *Rhizobium leguminosarum* and *Bacillus amyloliquefaciens* viable cells, and lipo-chitooligosaccharide. Eye or skin contact, inhalation, or ingestion should be avoided. Wear standard protective clothing and equipment including gloves and safety glasses. Ensure adequate ventilation. Where exposure through inhalation may occur, use respiratory protective equipment. This product contains microorganisms that may have the potential to provoke sensitizing reactions; use appropriate personal protective equipment (PPE) to reduce exposure. Sensitized individuals should wear a NIOSH-approved respirator. In case of contact with skin or eyes, immediately flush exposed areas with plenty of water. Get medical attention if irritation occurs.

## Storage and Disposal

The active ingredients in TagTeam BioniQ granular inoculant are living organisms and require specific storage conditions to ensure viability and product performance.

To maintain product viability:

- Store bags and inoculated seed under cool conditions <20°C (68°F) away from sunlight and direct heat sources.
- Minimize temperature fluctuations.
- Avoid freeze/thaw cycles.
- Use entire contents of bag after opening.
- Use before the expiration date. The expiration date is valid only for unopened bags stored under the conditions listed above.

Unused TagTeam BioniQ granular should be disposed of in accordance with applicable Federal, state/provincial, and local requirements.

## Limited Warranty

The seller warrants that this product contains a minimum number of *Penicillium bilaiae*, *Trichoderma virens*, *Rhizobium leguminosarum* and *Bacillus amyloliquefaciens* colony forming units and lipo-chitooligosaccharide as specified on this label. The seller makes no other warranty expressed or implied as to product viability since product storage, use, and growing conditions are beyond the seller's control. Seller's guarantee is limited to the terms set out on the label and subject thereto. Buyer assumes the risk to persons or property arising from the use or handling of this product and accepts the product on that condition.

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