

TagTeam[®] peat

phosphate-solubilizing and
nitrogen-fixing inoculant for

chickpea

ATTENTION:

This Specimen label is provided for general information only.

MINIMUM GUARANTEED ANALYSIS

ACTIVE: 6.9 x 10⁵ cfu/g *Penicillium bilaiae*
6.9 x 10⁸ viable cfu/g *Mesorhizobium ciceri*
INERT: sterilized peat-based carrier

NONPLANT FOOD INGREDIENT

Not a fertilizer substitute

How it Works

The active ingredients in TagTeam peat phosphate-solubilizing and nitrogen-fixing inoculant for chickpea are the bacterium *Mesorhizobium ciceri* and the soil fungus *Penicillium bilaiae*. *Mesorhizobium ciceri* grows on plant roots and forms root nodules which convert or fix nitrogen in the air into forms the plant can use. *Penicillium bilaiae* grows on plant roots and makes less available residual soil phosphate available for crop use.

How to Apply

TagTeam[®] peat phosphate-solubilizing and nitrogen-fixing inoculant for chickpea can be applied as a dry application or applied to pre-moistened seed. TagTeam may be applied when transferring seed from the bin to the truck, or from the truck to the tank or seed cart. This product may also be applied directly to seed in the tank or seed cart. TagTeam should be mixed thoroughly with the seed and the seed should be evenly coated. TagTeam inoculated seed should be planted within 48 hours.

Dry Application:

- Pour the correct amount of TagTeam into drill hopper, as referenced in Table 1. Mix thoroughly.
- For bulk systems, TagTeam can be directly metered onto seed.

Slurry Method Application:

- Mix TagTeam with cool, clean, non-chlorinated water and apply to seed as a slurry, as referenced in Table 1.

Table 1: Application rates and bare seed planting windows

Crop	Seed inoculated by one bag	Approx. water volume	Planting window (bare seed)
Chickpea	1,360 kg (3,000 lb, 50 bu)	4.0 litres (4.2 US quarts)	6 hours

Seed Treatment Recommendations

- Application with other seed treatments is possible, but may reduce the planting window. For up-to-date pesticide compatibility information, please call Novozymes BioAg Limited at 1-888-744-5662.

TagTeam[®] MultiAction Legume Fertility

Where to use for Maximum Benefit

- Best nitrogen responses to TagTeam occur in soils that are low in available forms of nitrogen and populations of *Mesorhizobium ciceri*.
- If soils are extremely low in available nitrogen, below 16.8 kg N/ha (15 lb N/acre), TagTeam may be more effective when used with a small amount of starter nitrogen fertilizer, 11.2-16.8 kg N/ha (10-15 lb N/acre).

For soils low to medium in available phosphate:

Use TagTeam with the lower recommended P fertilizer rate from soil test results. If you do not soil test, use with normal P fertilizer rate.

For soils high to very high in available phosphate:

Replace the starter in-row P fertilizer application (16.8-22.4 kg P₂O₅/ha [15-20 lb P₂O₅/acre]) with TagTeam.

Benefits of using TagTeam may be limited on:

- Soils with high nitrogen levels or with high application rates of nitrogen fertilizer;
- Soils that have been heavily manured (likely to be high to very high in available phosphate);
- In soils that do not tie up phosphate, i.e. very sandy soils (greater than 85% sand) and soils that contain more than 14% organic matter.

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Applicators and Other Handlers

The active ingredients in TagTeam peat phosphate-solubilizing and nitrogen-fixing inoculant for chickpea are *Penicillium bilaiae* spores and *Mesorhizobium ciceri* viable cells. 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 peat phosphate-solubilizing and nitrogen-fixing 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 <68°F (20°C) 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 peat phosphate-solubilizing and nitrogen-fixing inoculant and unplanted TagTeam inoculated seed should be disposed of in accordance with applicable civil statutes. Information regarding the contents and levels of metals in this product is available on the internet at: <http://www.aapfco.org/metals.html>.

Limited Warranty

The seller warrants that this product contains a minimum number of *Penicillium bilaiae* colony forming units and *Mesorhizobium ciceri* viable cells 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.