

# TagTeam® BioniQ®

## For Chickpea, Faba bean, Lentil, Pea

### MORE NODULES. MORE NUTRIENTS. MORE YIELD.

#### Key Benefits:

- Improved granular formulation for superior handling and flowability
- Four living biologicals in one product that improves nitrogen fixation, and availability of phosphorus and other key nutrients
- Performs in both warm and cool soil conditions
- Faster nodulation in pea and lentil crops due to LCO Promoter Technology™ regardless of environmental conditions

#### Biological Actives & Functions:

Biological Actives	Function
<i>Rhizobium leguminosarum</i> or <i>Mesorhizobium ciceri</i>	Fixes nitrogen
<i>Penicillium bilaiae</i> (2 strains)	Solubilizes inorganic phosphorus in both warm and cool soil conditions
<i>Bacillus amyloliquefaciens</i>	Increases availability and uptake of nitrogen, phosphorus and potassium
<i>Trichoderma virens</i>	Increases availability and uptake of nitrogen, phosphorus and potassium
LCO (lipo-chitooligosaccharide) technology	Acts as a signaling molecule between rhizobia and plant, allowing for enhanced and earlier nodulation; increases association with indigenous mycorrhizae

#### Formulations:

Crops	Actives	Type
Pea, Lentil	<i>Penicillium bilaiae</i> + <i>Rhizobium leguminosarum</i> + <i>Bacillus amyloliquefaciens</i> + <i>Trichoderma virens</i> + LCO	Improved Granular
Chickpea	<i>Penicillium bilaiae</i> + <i>Mesorhizobium ciceri</i> + <i>Bacillus amyloliquefaciens</i> + <i>Trichoderma virens</i>	Improved Granular
Faba bean	<i>Penicillium bilaiae</i> + <i>Rhizobium leguminosarum</i> + <i>Bacillus amyloliquefaciens</i> + <i>Trichoderma virens</i>	Improved Granular

#### Packaging:

Chickpea		Improved Granular	1	x	16.5 kg	=	
		Improved Granular	1	x	454 kg	=	
Faba bean		Improved Granular	1	x	16.5 kg	=	
Pea/lentil		Improved Granular	1	x	16.5 kg	=	
		Improved Granular	1	x	454 kg	=	

## Proof of Performance:



Source: Minnedosa, MB. Seeded May 6, 2025. Photo taken May 22, 2025

## In-Field Yield Trials

Producers, retailers and agronomists share a common goal: higher yields, stronger performance and better ROI. While many products make that promise, TagTeam® BioniQ® delivers — with large-scale field trials and proven data to back it up.

### Pea (43 trials)

Competitors 51.8 (bu/ac)

TagTeam® BioniQ® 54.5 (bu/ac)



Win Rate



Yield Advantage

Source: Results were collected from 43 farmer-conducted, large-scale, side-by-side trials conducted in Western Canada from 2017-2022.

### Lentil (41 trials)

Competitors 24.2 (bu/ac)

TagTeam® BioniQ® 25.1 (bu/ac)



Win Rate



Yield Advantage

Source: Results were collected from 41 farmer-conducted, large-scale, side-by-side trials conducted in Western Canada from 2017-2022.

## Improved Granular Formulation

The improved granular formulation of TagTeam® BioniQ® features granules with **9% greater hardness**, **10% better flow** than crumble granules, and a significant reduction in dust.

### Hardness

Peat particles bond together within the granule through APT's proprietary polymerization process, resulting in high crush strength.



#### Resistance to attrition test

- Simulates movement and vibration
- Measures particle size change before and after

#### Results:

Improved granule product has a **9% increase** in granular hardness.

### Flowability



#### Results:

Flowability improved by **greater than 10%**.

**Benefit:** A lower angle of repose can lead to easier and more complete filling of tanks.

### Dust Level



#### Results:

Improved granular product shows little to no dust in the Dustiness Assay test.

**BIOLOGICALS**  
by  
**FMC**