

Biological inoculant

FACT SHEET

Dry application of TagTeam® peat

TagTeam peat formulation is free flowing and can be applied as a dry application directly to the base of augers when filling the seeder.

TagTeam peat can also be applied manually by cutting the corner of the bag and pouring the free flowing formulation directly to the base of the auger.

Balanced nutrition

TagTeam is a dual-action biological inoculant that provides the balanced nutrition of phosphate and nitrogen by combining the phosphate-solubilising microorganism *Penicillium bilaiae* with nitrogen-fixing rhizobia bacteria. This unique combination may result in improved nodule formation, nitrogen fixation, phosphate ability and nutrient availability, providing the plant with the potential to achieve higher yields.

Phosphate is crucial to nitrogen fixation

Research shows good phosphate nutrition results in more nodules being formed and more active nitrogen fixation.

This process is crucial because:

- More extensive root growth provides greater opportunity for the development of nitrogen-fixing nodules
- Faster development of active nodules results in greater nitrogen fixation
- Phosphate nutrition increases the number and size of nodules and the amount of nitrogen fixed by the plant

Key benefits

- Improved nodule formation
- Increased nitrogen fixation
- Improved phosphate availability
- Enhanced nutrient availability, which supports root and shoot growth

How the technology works

Freeing phosphate

Penicillium bilaiae releases bound mineral forms of soil and fertiliser phosphate, making it more available for the plant to use.



Beneficial rhizobia

Specially selected rhizobia form a beneficial relationship with the plant, creating nodules which help fix atmospheric nitrogen.

Penicillium Bilaie inoculation supports root and shoot development



TagTeam on left, single-action inoculant on right. Pea root photos taken in Maymont, Saskatchewan, 2008.

How to apply TagTeam dry peat

A more accurate method of applying the peat is available, using a 'dry peat applicator'. The dry seed applicators are manufactured in Australia by Ag Spray Centre:

Ag Spray Centre 'Flash Vats Applicator'

The Flash Vats Applicator has the capacity to hold two bags of TagTeam. Fitted with a variable speed motor, the application rate can be changed to suit your auger size. The applicator feeds out the peat with a vertical auger, fitted with agitation wires to stop bridging of the product.

The applicator is available with a stand, made to fit under auger hoppers, and swing away towards the operator for refilling. The refilling and operating positions are locked into position with friction locks. The applicator is fitted with 6m of lead with alligator clips and a safety fuse.

It is lightweight and dismantles readily, to shift from filling point to filling point.

TagTeam peat application

It is difficult to provide calibration tables for the above treaters as there are many variables due to the truck boxes, chutes and auger sizes, etc. Due to the many sizes of augers, the user must first measure a quantity of peat and calibrate the flow to the auger for correct application.

TagTeam peat can be applied through the above applicator.

Crop	Amount of seed treated per 2.45 kg bag
Chickpea	1,000 kg
Lentil	500 kg
Lupin	1,000 kg
Field pea	1,000 kg
Faba bean	1,000 kg
Vetch	1,000 kg



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