



Plant Growth Promoting Inoculant

Product Information

What is trifixN™?

- A patent protected plant growth promoting inoculant containing Azospirillum, Herbaspirillum and Bacillus bacteria at 1×10^9 CFU/gram
- Uses C-active® Microbial Technology to enhance nutrient utilisation in plants, especially nitrogen and improve vitamin and hormone production in plants.
- Compensates for up to 30kg N/Ha over a growing season

Key features and benefits of trifixN

- Can be applied as a foliar spray using knapsacks and boom sprays
- Can also be applied in perennial crops via drip/micro sprinklers
- Environmentally sustainable – no nitrate leaching, no nitrate oxide emissions
- Low freight costs and ease of transport to difficult areas
- Non-volatile, non-corrosive and there is no burning risk to the crops
- No chemical residues, spray drift or MRL's
- No genetic modification

What is C-active Microbial Technology?

C active Microbial Technology is the core technology used in trifixN. C-active Microbial Technology includes 3 strains of selected, naturally occurring, endophytic microbes that each have different modes of action and effects on the plants.

C-active microbes are applied to the crop together with a specifically developed Activator designed to enhance the inoculation and colonisation of the microbes into the plant.

The technology is therefore composed of:

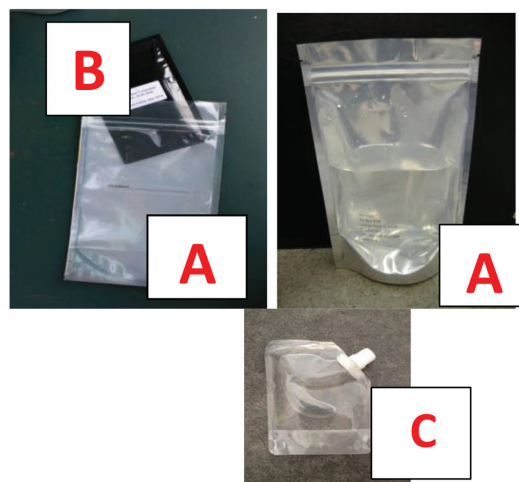
1. Highly concentrated powdered inoculant
- microbes (2.5g/ ha)
2. Liquid activator (50ml/ha)



Preparation of trifixN

The first step is to remove the content from the outer packaging (A). There will be 2 components; a black sachet containing the microbes (B) and a spouted pouch containing the trifixN Activator (C).

Figure 1: TrifixN Packaging



To prepare trifixN:

1. Remove the sachet (B), trifixN Activator (C) and instructions from within the stand-up pouch (A)
2. Fill the stand-up pouch (A) with non-chlorinated water to the level indicated (100ml)
3. Dispense the microbial contents from the small sachet (B) into the stand-up pouch (A) with water
4. Shake sachet to mix contents thoroughly
5. Allow the solution to stand for 5 minutes before use
6. After 5 minutes pour the microbial solution from the stand-up pouch (A) into the spray tank with non-chlorinated water and stir well
7. Add the trifixN Activator (C) (sprouted pouch) directly into the spray tank and agitate well.
8. Use within 24 hours



Plant Growth Promoting Inoculant

Application

Bacterial endophytes enter through the leaf stomata and live inside of plant tissues - see Figure 2. It is important to apply the product when the stomata are open. The ideal timing is in the light of the day when the conditions are not too hot – early morning or late afternoon is best.

Important Things to Remember

- Use medium to coarse nozzles
- Apply to point of run off
- Spray the tank mix within 24 hours
- Apply to healthy and actively growing plants
- Use non-chlorinated water

Compatibility

trifixN is compatible with Amistar®.

Contact your local distributor for compatibility advice with other chemicals.

Application Timing

trifixN should be applied early in the cropping cycle at the 4-6 leaf stage. It is important that the crop has developed enough leaf surface for the inoculant to hit. Once the crop is inoculated with trifixN, a hold time of 24 hours is required before being sprayed with other chemicals.

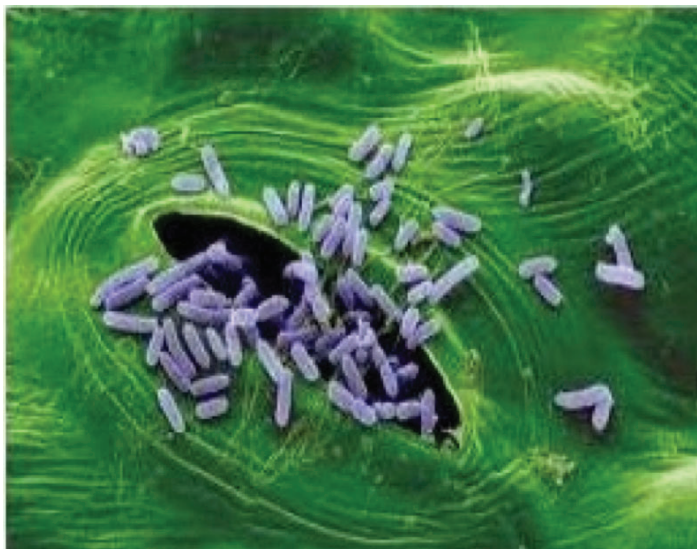


Figure 2: Open stomata and bacteria

Directions for Use

Restrains

- Ensure spray tank is clear of chemical residues
- Do not spray in hot or windy conditions
- Do not spray at night
- Do not apply below 5 °C
- Do not spray with herbicides, fungicides or insecticides
- Do not apply to severely N or P deficient plants
- Should not be used solely to correct N or P crop deficiency
- Avoid mixing with strong acidic or alkaline solutions

Storage

TrifixN C-active bacteria should be stored between 4 °C through to 20 °C while at the retail store, in transit and at growers' premises before use.

If storing for longer than 6 weeks then best conditions are in a refrigerated storage cabinet at 4 °C

For further information on trifixN:

**Technical support - Contact Kyle Merritt on 0400 885 199 , or visit our website at www.thinkbio.com.au
Sales inquiries - Contact Customer Service by email or phone info@thinkbio.com.au or 0427 003881**

Thinkbio Pty Ltd ACN 603 837 887. The information in this InfoNote is based on data believed by Thinkbio to be accurate at the time of publication but is subject to change without notice. It is given in good faith but no warranty express or implied is made as to its accuracy, completeness or otherwise. Every person dealing with the products and/or materials referred to herein does so at their own risk absolutely and must make independent determination of suitability and completeness of information from all sources. Thinkbio shall not be liable for any loss, injury, damage or death whether consequential or otherwise howsoever arising whether through negligence or otherwise in connection with the use or application of the products and/or materials referred to herein. © Copyright 2016