



Western Mineral Fertilisers

Handy Hints

Using WMF Microbes, Micro-stix2, Polymer Oil and EzyRhiz Rhizobia

1. Using Micro-stix2 with WMF Microbes

Using Micro-stix2 to coat the microbes on to seed, extend the option for seeding and increase microbe survival. **Seed can be coated up to 60 days before use and used for further wet or dry seeding.**

- **Micro-stix2** needs to be above 15 degrees, otherwise it is hard to work with.
- When mixing microbes with micro-stix2, pour enough oil with the microbe powder to make a paste (thick gravy consistency) and dissolve well. Then add the remainder of the oil to meet recommended rates and **mix well.**
- There will be some settling, so keep the mix well agitated (or shake) when applying to seed.
- Apply to the seed at recommended rates, avoid over wetting, that may affect seed flow.
- Seed can be stored for up to 60 days and the seeding operation can be done wet or dry.

DO NOT ADD ANY WATER AT ANY STAGE

2. Using Micro-stix2 with EazyRhiz

- Store glass vials in Fridge.
- When ready to use remove vials from fridge and allow to warm to Room Temperature.
- Remove cap from Vial, and breakup inoculum in the vial
 - a) eg with clean screw driver.
- Add some MicroSTIX2 polymer (so vial is about half full)
 - a) Mix until inoculum is a paste
 - b) Tip paste into Mixing drum (eg clean 20Litre bucket)
 - c) Wash out vial with MicroSTIX2 (pour into Mixing Drum).
 - d) If applying with WMF Soil Microbes combine at this stage
 - (see Tech Sheet - WMF Microbe Application & Seed Coating).
- Make up to correct volume with MicroSTIX2.
 - Mix well.
- Before and during application of Inoculum/Microbes in MicroSTIX2:
 - AGITATE WELL :
 - as Inoculum / Microbes can Settle out!

NOTE -DO NOT ADD WATER AT ANY STAGE

Note – The Easy Rhiz Rhizobium Protecting Agent Soluble Powder is only to be used when applying microbes in water. Do Not use with MicroSTIX2.

Other Notes:

ENSURE GEAR IS CLEAN

Note – very important that the all equipment and tanks are clean of residual synthetic chemicals and fungicides before using WMF Microbes.

If necessary, wash with suitable boom clean or

Lemon scented dishwashing liquid (1 teaspoon per 20L bucket, 1Litre per 5000L tank).

3. Storing Micro-stix2

- Micro-stix2 has a long shelf life if stored correctly, keep out of direct sunlight and avoid extreme temperature.
- MicroSTIX2 is a product that contains natural vegetable waxes that may solidify below 15° C. If the product does solidify, simply warm to above 15° C and the oil waxes will dissolve.
- At this time of the year (autumn into winter), ambient temperature is likely to drop below 15° C o/n (particularly in storage sheds), so it is best to wrap the 200L drum with an electric blanket - saves having to wait around for the oil to warm up on the day of application.

4. Storing microbes powder

WMF Microbes Blends (Except for EazyRhiz Product) store in a cool dark spot (cupboard in shed)

- Keep dry, **always** keep lid closed, unless retrieving material and then close immediately.
- Microbes stored incorrectly can go hard or lumpy which will make them harder to use.

5. Using water with WMF Microbes

Water can also be used to coat seed (refer to Microbe Tech Sheet)

- When using water to mix with the microbes, the solution must be used within 24 hours. i.e. Seed needs to go in the ground or foliar application applied.
- Adding water immediately activates the microbes and is not suitable for dry seeding.
- If using as a foliar, spray out when soil is moist, avoid hot days. Can be sprayed, if raining, or heavy dew.

6. Fertiliser

- WMF fertiliser products are biological based and at delivery have a low dust load. They are not hygroscopic, but require **dry** storage.
- Avoid **overhandling** - too much augering and driving over product will damage the prill and increase dust load.

