

# EasyBond Genesis

## Application Rates & Methods



SEED ENHANCEMENT  
EASYBOND GENESIS TDS / PASTURE & PULSE



Choose either method:

• In-Furrow via Liquid injection. **OR** • On-Seed Application.

### On-Seed Application Method

#### Procedure

1. Select correct inoculant group type for the legume seed being sown. To select correct group type for the legume seed, refer to NEM's Legume Inoculant Group Chart.
2. Remove cap and rubber bung from EasyRhiz™ Vial.
3. Fill EasyRhiz™ vial to the shoulder with cool, clean, non-chlorinated water (pH between 6.5-7.5). Return bung, shake vigorously and leave the vial to stand for 30 minutes until the entire contents are reconstituted.
4. In a clean bucket, dissolve the EasyBond Genesis contents in the appropriate amount of cool, clean, non-chlorinated water (pH between 6.5 and 7.5) based on size of seed being treated (refer to table below for suggested volumes of water). **NOTE:** Using less water will shorten drying time but may reduce seed coverage.

Mixing Ratios For On-Seed Applications

Weight	Seed Size	Water Rate
50 kg	Small	0.75 L
250 kg	Medium	1.5 L
500 kg	Large	3 L

**NOTE:** The water rates in the above table are a general guide as to what water rates can be used. Variation in seeds including size, shape, surface profile and permeability alters the efficiency of coverage, absorbance and drying time. Sufficient slurry volume (EasyRhiz™ + EasyBond Genesis + water) needs to be applied to allow the slurry to mix and spread throughout the seed, without over wetting.

5. Add the reconstituted EasyRhiz™ vial into the bucket with the EasyBond Genesis solution. Rinse vial out thoroughly to ensure entire contents are removed. Mix the solution thoroughly.
6. Apply solution to the correct weight of seed and mix until all seeds are evenly coated.

*NIL withholding period. Do not open the pack until ready to use. Refer to the Safety Data Sheet (SDS) before using. Gloves and face masks should be used while preparing and applying the product.*

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Choose either method:

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### In-Furrow via Liquid Injection Method

#### Procedure

1. Select correct inoculant group type for the legume seed being sown.  
To select correct group type for the legume seed, refer to NEM's Legume Inoculant Group Chart.
2. Determine the number of vials required to treat the sowing area (see formula and example tables below).

Using the following formula will determine the number of vials required to be added to the injection tank to achieve the minimum necessary amount of rhizobia in the seed furrow. The suggestion is that the number of vials are rounded up to the next whole vial as part vials do not store.

Example formula for number of EasyRhiz™ vials per 1000 L

$$\left[ \frac{\text{Sowing rate (kg per ha)}}{\text{Kg of seed treated per vial}} \right] \div \left[ \frac{\text{Water rate (L per ha)}}{1000 \text{ L (Tank size)}} \right]$$

The following 2 tables show how the variables of seeding rate (kg/ha), seed per vial (kg), liquid injection rate (L/ha) and injection tank volume (L) influence the EasyRhiz™ concentration required in each injection tank.

Crop	Faba Bean	Crop	Lentil
Sowing rate (kg/ha)	120	Sowing rate (kg/ha)	80
Seed treated per vial (kg)	500	Seed treated per vial (kg)	250
EasyRhiz™ vials/ 1000 L	2.4	EasyRhiz™ vials/ 1000 L	3.2
Rounded up to full vial	3	Rounded up to full vial	4

Tables show examples of how sowing rate (kg/ha) and water inject rate (L/ha) directly influence the number of vials required per 1000 L injection tank.

Injection Water rate (L/ha)	100
Tank volume (L)	1000

3. Remove cap and rubber bung from the required number of EasyRhiz™ Vial(s).
4. Fill each individual EasyRhiz™ vial to the shoulder with cool, clean, non-chlorinated water (pH between 6.5-7.5).  
Return bung, shake vigorously and leave the vial to stand for 30 minutes until the entire contents are reconstituted.
5. The application rate of rhizobia required per liquid injection tank is dependent on seed sowing rate (kg/ha), kg of seed treated per vial (kg), injection water rate applied (L/ha) and injection tank volume (L). Row spacing can vary from 20 to 50 cm but inoculation rates are calculated on seeding rate as kg/ha.
6. Add the reconstituted EasyRhiz™ vial(s) into the bucket containing 1 L of EasyBond Genesis.  
Rinse the vial out thoroughly to ensure entire contents are removed.
7. Fill spray tank of your liquid injection system with cool, clean, non-chlorinated water (pH between 6.5 and 7.5) and incorporate the 1 L of rhizobia inoculant preparation while filling.
8. Apply the mixed solution directly in the planting furrow.

**Note:** Ideally, the solution should be in contact with the seed at sowing.

**NIL withholding period. Do not open the pack until ready to use. Refer to the Safety Data Sheet (SDS) before using. Gloves and face masks should be used while preparing and applying the product.**