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SeedBond *Genesis*

Seed Enhancement

Pasture & Pulse Legume Crops

Rhizobium – Protectant Formulation

Enhances adhesion and survival of Rhizobium cells aplied to seeds.

For use with Nodule*N*™ Peat Legume Inoculant.

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Benefits:

of Rhizobia Technology

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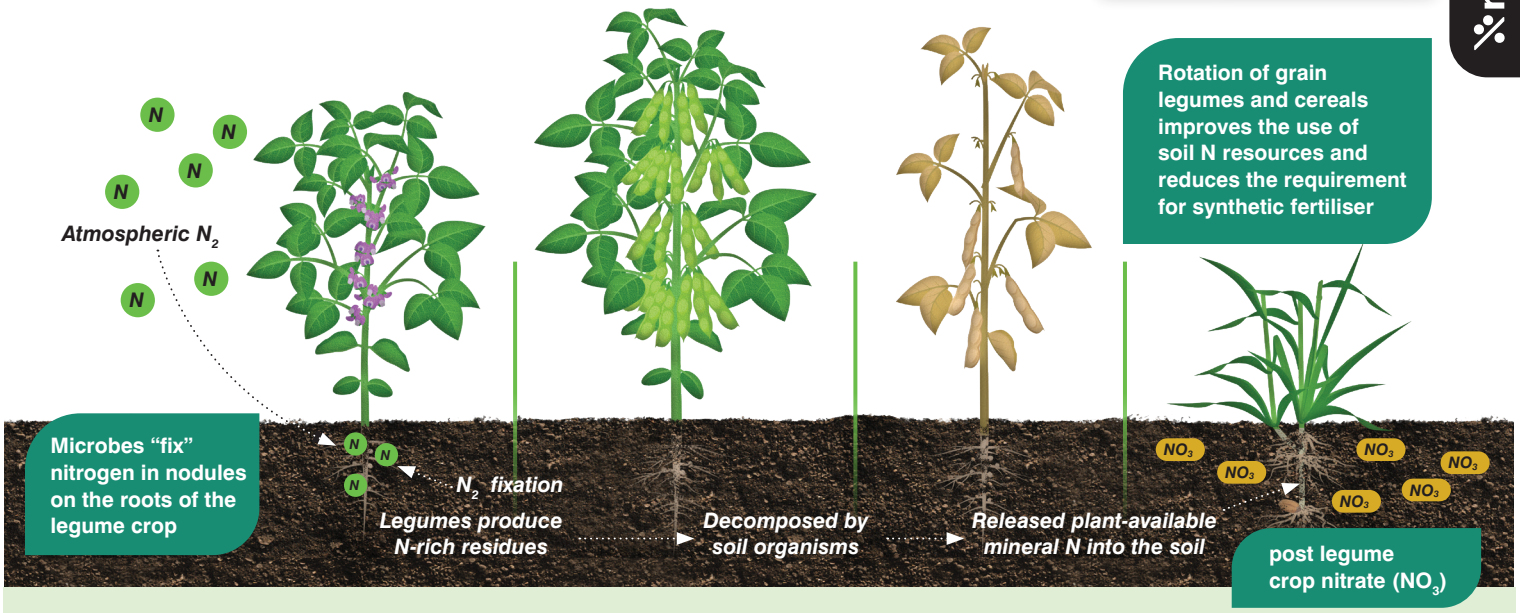
Soil bacteria called Rhizobia works together with legume plants to take atmospheric nitrogen (N_2) found in soil air spaces and 'fixes' it to the plant root system to form root nodules.



Free nitrogen.

Legumes treated withthe correct Rhizobium, convert atmospheric N_2 into plant available N.

Estimates 30-200 kg/ha of N annually.

Equivalent to 64-432 kg of urea.

No withholding periods.

Rhizobium Protectant

BENEFITS	SeedBond *Genesis* improves the survivability of Rhizobium on the seed by reducing desiccation of the bacteria assisting with adhesive ability to the seed.
	SeedBond *Genesis* is used to adhere Nodule*N*™ Peat and lime to small seeds. Lime is used to prolong Rhizobium if sowing will be occuring a few days after the seed has been treated. If the treated seed is sown within a 24hr period into a moist soil profile, the use of lime is NOT necessary.
HOW IT WORKS	Seedbond *Genesis* is a soluble powder that enhances adhesion and survival of Rhizobium cells on seeds.

SeedBond *Genesis*

Application Rates & Methods

SEED

SEED ENHANCEMENT
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Crop	Rate	Method	Critical Comments
Pasture & Pulse Legume Crops	For volume of legume seed treated with Nodule*N*™ Peat refer to Legume Inoculant Group Chart. For mixing ratio, refer to Mixing Ratios Table.	**Peat Slurry Inoculation & Rhizobium Protectant Seed Coat Method**	**Instructions to make 8 litres of SeedBond *Genesis* Solution:** 1. Slowly sprinkle 1 kg of SeedBond into 5 L of hot water (>70°C) and stir vigorously for about 2 minutes or until all powder is dissolved. 2. Make solution up to 8 L with cold water while agitating. 3. Periodically stir solution for up to 3-4 hours to allow adhesive to fully dissolve. 4. Cool to less than 30°C. Use all SeedBond solution within 3 days of blending. 5. Use 1L of solution for each Standard Pack of Nodule*N*™ Peat Legume Inoculant. Blend the inoculant directly into the cold SeedBond solution. Thoroughly stir the solution to an even consistency. (Refer to Mixing Ratios Table) 6. For best results, mix the inoculant solution and seed in a rotary mixer or similar machine. Ensure all seeds are damp before adding lime. (Refer to Mixing Ratios Table) 7. Add Ultra Fine Lime to the mixing seed all at once. 8. Allow adhesive to take up the powder (typically 1-2 minutes). Do not overmix the coated seed. 9. Sow coated seed as soon as possible. Coated seed can be stored for up to 1 week in a cool place, away from sunlight.

Mixing Ratios			
Nodule*N*™ Peat Size	**Legume Seed**	**SeedBond Solution**	**Ultra Fine Lime**
Standard	25 kg Lucerne	1 L	5-6 kg
Standard	25 kg White	1 L	5-6 kg
Standard	50 kg Sub Clover	1 L	6-8 kg
Jumbo	125 kg Lucerne	5 L	25-30 kg
Jumbo	125 kg White	5 L	25-30 kg
Jumbo	250 kg Medic	5 L	30-40 kg
Jumbo	250 kg Sub Clover	5 L	30-40 kg
Mega	500 kg Sub Clover	10 L	60-80 kg
Mega	500 kg Serradella	10 L	60-80 kg

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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Increasing microbial diversity boosts ecosystem productivity where each beneficial species, no matter how small, has an important role to play. NEM's biological agriculture system has been developed to enhance soil health, create resilient landscapes, improve crop and pasture performance and sustainable farming futures. Learn why we are so passionate about microbes and how they can benefit you – visit www.nem.com.au

SeedBond *Genesis*

SeedBond *Genesis* is compatible with Nodule*N*™ Peat.

Customer Technical Support: Speak with our friendly support team if you need to seek specialist or product compatibility advice.

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