ALOSCA Technologies quick reference table.

EasyRhiz™ Freeze Dried inoculant

Product Type	Description		Variety	Seed Treated Per Vial
	Strain	Crop Type		
EasyRhiz™	GROUP AL	Lucerne	Lucerne, Alfalfa, Strand & Disc Medics	100kg
	GROUP C	Sub-Clover	Crimson, Cupped, Helmet, Rose & Subterranean Clovers	200kg
			Arrowleaf, Balansa, Bladder, Gland, Purple & Wooly Pod	100kg
	GROUP FE	Lentil	All Varieties	250kg
		Faba Bean	All Varieties	500kg
		Field Pea		
		Vetch		
	GROUP GS	Lupin	Narrowleaf & Albus	500kg
		Serradella	Yellow, Slender, Pink & Hybrid	200kg
	GROUP N	Chickpea	Desi, Garbanzo & Kabuli	500kg

Other Rhizobium strains are available in EasyRhiz™. Formulation.
Please contact ALOSCA to discuss.

General usage tips for EasRhiz™ freeze dried (see label for full instructions)

- Ideal for coating seed prior to seeding or direct liquid in-furrow injection
- EasyRhiz™ is supplied in two parts which are combined before use:
  - A 30mL glass vial
  - A 100g sachet of protectant powder.

Product Storage

- Vials should be stored between 4°C and 10°C out of direct sunlight.
- **Do Not Freeze Vials.**

Seed (slurry) Application

- Mix using clean, chemical residue free containers & fresh water (avoid chlorinated/scheme water and salty water).
- Once mixed as per instruction allow to stand for 2 to 3 hours to allow culture to recuperate from Freeze drying process.
- Provides sufficient inoculant for 5L of slurry per vial.
- Apply slurry to seed at rates outlined above. For example, if applying to Lucerne seed, one vial mixed in 5L of water would be applied per 100kg of seed.
- Use supplied EasyRhiz™ Protectant (sachet) as per instructions
- Sow treated seed within 5 hours.
- Store in cool/ high humidity post application to seed.
- Sowing into dry soil is not recommended for this product.

In-furrow Injection

- Mix using clean, chemical residue free containers & fresh water (avoid chlorinated/scheme water and salty water).
- Once mixed as per instruction allow to stand for 2 to 3 hours to allow culture to recuperate from Freeze drying process.
- Apply with 50 to 200 litres of water per hectare. Higher water rates will deliver a better outcome in dryer soil conditions and give better furrow distribution.
- To calculate the required rate of EasyRhiz™ to be mixed as a slurry use the calculations attached below
- It is important that the injected inoculant solution contacts the seed as it is sown. Avoid banding away from the seed.
- Sowing into dry soil is not recommended for this product.

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ALOSCA Technologies quick reference table.

Liquid injection Calculator

Example 1

A	Lupin Rate kg/ha	100	
B	Liquid rate L/ha	50	
C	Seed Treated per vial (kg)	500	
D	Ha treated per Vial	5	= C divided by A
E	Litres treated per vial	250	= B divided by D
F	Tank Size (L)	6,000	
G	Vials per tank	24	= F divided by E
H	L of slurry per tank	120	= F multiplied by 5 (5L of slurry per vial)
Mix 24 Vials of EasyRhiz™ into 120 litres of water and add to 6,000L tank.			

Example 2

A	Lentil Rate kg ha	75	
B	Liquid rate L/ha	100	
C	Seed Treated per vial (kg)	250	
D	Ha treated per Vial	3.33	= C divided by A
E	Litres treated per vial	333	= B divided by D
F	Tank Size (L)	6,000	
G	Vials per tank	18	= F divided by E
H	L of slurry required per tank	90	= F multiplied by 5 (5L of slurry per vial)
Mix 18 Vials of EasyRhiz™ into 90 litres of water and add to 6,000L tank.			

Blank Worksheet

A	Seed Rate kg ha		
B	Liquid rate L/ha		
C	Seed Treated per vial (kg)		
D	Ha treated per Vial		= C divided by A
E	Litres treated per vial		= B divided by D
F	Tank Size (L)		
G	Vials per tank		= F divided by E
H	L of slurry required per tank		= F multiplied by 5 (5L of slurry per vial)
Mix 18 Vials of EasyRhiz™ into 90 litres of water and add to 6,000L tank.			

To calculate rates and volumes for a specific area to be seeded use the results from sections D & E.

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