

INSTRUCTIONS FOR USE

ALOSCA StickA

ALOSCA StickA seed inoculation adhesive.

For use in the inoculation and or lime-pelleting of peat based seed inoculants in accordance with usage instructions

NOT CLASSIFIED AS
HAZARDOUS ACCORDING TO
CRITERIA OF WORKSAFE
AUSTRALA

Contents: 1Kg
ALOSCA Code: STICK1

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DIRECTIONS FOR USE

Safety Directions: Avoid contact with eyes. Do not inhale dust. See MSDS for additional information.

STEP 1: Peat slurry/adhesive preparation

The adhesive is best prepared the day or evening prior to mixing with the peat to allow **it to cool before adding the peat culture.**

1. Meter dry adhesive slowly into hot water at a rate as per desired properties table below and stir for 2-3 minutes.

Table 1: Desired properties of adhesive application at various weights per 1 litre of water volume

Percentage weight per volume of water (w/v)	Desired properties of adhesive application at various weight per water volume	Example volume to make 1 litre adhesive	
		Adhesive (grams)	Hot water (litres)
2%	<ul style="list-style-type: none">• adequate peat adhesion & poor pelleting properties.• Less viscous more easily dissolved than 10%w/v• VERY IMPORTANT—DO NOT USE RATES OVER 2% WITHOUT LIME PELLETTING as seed may dry solid in seed bin or mixer.	20	1
10%	<ul style="list-style-type: none">• Good peat adhesion & lime pelleting properties• Less viscous more easily dissolved that 20%w/v• VERY IMPORTANT—DO NOT USE 10% RATE WITHOUT PELLETTING LIME.	100	1
20%	<ul style="list-style-type: none">• Good peat adhesion & lime pelleting properties• Protective properties in drying seed bed conditions• More viscous slower to dissolve• VERY IMPORTANT—DO NOT USE 20% RATE WITHOUT PELLETTING LIME.	200	1
Greater than 20%	<ul style="list-style-type: none">• Not recommended, too difficult to dissolve and handle.	Not recommended	

2. The adhesive is slow to dissolve and will require additional stirring for 1-2 minutes periodically as the solution cools to less than 30°C.
3. Once the StickA is fully dissolved and **cooled to less than 30°C** add and thoroughly stir the peat culture through the adhesive solution until an even consistency is achieved. (see **STEP 2 over page**).

VERY IMPORTANT ensure StickA solution has cooled to **BELOW 30°C** before adding peat culture.

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STEP 2: GENERAL INSTRUCTION

Inoculate seed (using a slow rotary mixer apply peat culture mixed with adhesive to seed) **and lime pellet** (addition of milled limestone).

Keep product sealed and dry when not in use

Peat slurry mixing and lime pelleting

1. Prepare StickA seed adhesive (prepare the evening before application to allow to cool as per STEP 1).
2. In a clean container, ensuring the solution has **cooled to less than 30°C**, thoroughly mix the contents of Small, Large or Extra Large inoculant culture pack into the correct volume of adhesive, see Table 2 below.
3. Once mixed, allow product to stand for a further 15 to 20 minutes stirring occasionally to ensure all lumps are dispersed and an even consistency is achieved.
4. Using a low/slow revolution per minute rotary mixer add seed then meter in slurry to the correct weight of seed mixing until all seeds have come into contact with the slurry (1-2 minutes).
5. Adding the lime (finely milled limestone). Meter in sufficient lime to absorb the slurry wetness without allowing too much free lime which can present seed flow issues in some seeding systems.
6. Inoculated seed should be sown as soon as possible following application (within 24 hours) if not refrigerated or similar conditions. Should seeding delays occur inoculated and lime pelleted seed can be stored for up to 7 days in cool conditions away from sunlight. Refrigeration is recommended, do not freeze.
7. Avoid storing and/or seeding in warm and/or low humidity conditions.

Table 2: Kilograms of seed treated per Nodule N inoculant pack size & required Litres ALOSCA StickA per Nodule N inoculant pack.

Group: & Crop/pasture	mix 1 Nodule N Small pack with 1L of StickA	mix 1 Nodule N Large pack with 5L of StickA	mix 1 Nodule N Extra-large pack with 10L of StickA
	Treats Kg of seed		
AL: Lucerne, Strand & Disc medic	25	125	250
AM: Annual medics other than Strand & Disc	50	250	500
C: <u>Larger seeded</u> trifoliolate clovers Sub-clover, Crimson, Bladder, Cupped Helmet & Purple clovers	50	250	500
C: <u>Smaller seeded</u> trifoliolate clovers Arrowleaf, Balansa, Gland, Persian, Strawberry & White clovers	25	125	250
BS: Biserrula	10	50	100
F*: Field Pea, Faba bean & Vetch	100	500	1000
F*: Lentil	50	250	500
G/S*: Lupin	100	500	1000
G/S*: Serradella French & Yellow	50	250	500
N*: Chickpea	100	500	1000

* ALOSCA StickA is pre-mixed with Nodule N inoculant Groups F, S & N at low concentration. Pre-mixed concentration of StickA is below 2%w/v

For further information Contact ALOSCA Technologies on Tel: (08) 6305 0123
or visit our website www.alosca.com.au