

# RHIZO-GROUNDNUT

## BEAN GROUNDNUT AND COWPEA GROUP INOCULANT

**RHIZO-GROUNDNUT** and Cowpea, is a bacterial legume inoculant for effective Nitrogen Fixation on a large number of plants (see table below)

**RHIZO-GROUNDNUT** Contains *Bradyrhizobium* sp. (*Vigna*) bacteria, a Live legume bacteria for the cowpea group (*Bradyrhizobium* sp. (*Vigna*)) Minimum  $6.5 \times 10^8$  viable cells / g.

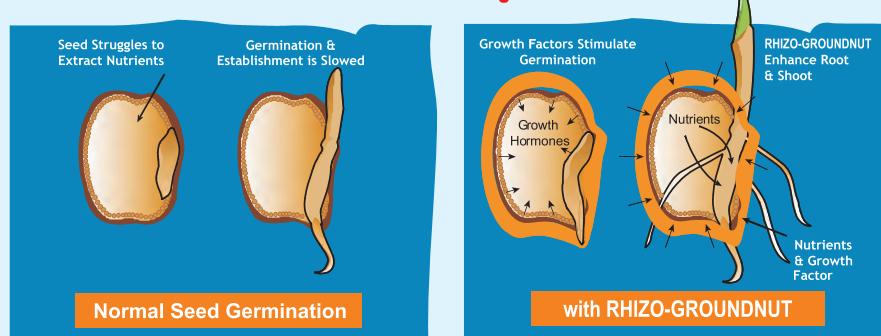
## Biological Plant & Soil Plant Promoter and Seed dressing inoculants For soil drench application in Greenhouse and seed dressing application

### RHIZO-GROUNDNUT Uses

The product is used in the following areas of agriculture, forestry, horticulture and landscaping

- In seed dressing broadacre crops application - usually mixed with Nutrition seed dressing products
- In glasshouses, greenhouses, nurseries production systems where plants are cultivated
- In out-door vegetable and flower production systems
- In turf and lawn maintenance

### RHIZO-GROUNDNUT in Seed Dressing - how does it works?



Suitable Plants for the Use of RHIZO-Groundnut & Cowpea group Inoculant	
Plant Group	Plant
Groundnut Group A	<i>Arachis hypogaea</i>
Cowpea Group B	<i>Cajanus cajan</i> (Pigeon Pea), <i>Crotalaria</i> sp., <i>Cyamopsis tetragonolobus</i> (Guar), <i>Indigofera</i> sp., <i>Lablab purpureus</i> (Dolichos), <i>Microptilium atropurpureum</i> (Siratro), <i>M. lathyroides</i> , <i>Macroteloma axillare</i> , <i>Psoralia phaseoloides</i> , <i>Stilozobium deerlingianum</i> (Velvet bean), <i>Vigna radiata</i> (Mung bean), <i>V. unguiculata</i> (Cowpea), <i>V. subterranean</i> (Juga bean or Bambara)
Cowpea Group C	<i>Neohottonia wightii</i> , <i>Pueraria thunbergiana</i> (Kudzu), <i>Stylosanthes</i> sp. – <u>Except: <i>S. guianensis</i> cv. oxley</u> ,

The micro-organisms in RHIZO-GROUNDNUT have the following benefits:

- Biologically improve soil and root health, and are antagonistic to root pathogens
- Biologically fix air nitrogen and are involved in nitrogen transformation processes
- Biologically make soil nutrients available in the rhizosphere
- Biologically stimulate plant growth by exudation of plant growth promoting substances (e.g. plant hormones)
- Biologically transform organic matter (thatches) into plant available nutrients
- Biologically improve soil structure
- Biologically improve the infectivity and functioning of indigenous mycorrhizal fungal which are important for nutrient uptake & transport and water relations of plants.

It improves the biological fertility of soils, keeps soils and plants roots healthy, vitalizes plants and promotes plant growth through biological means

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BEAN GROUNDNUT AND  
COWPEA GROUP INOCULANT



Use only as indicated. The contents of this packet are normally sufficient for the inoculation of up to 50 kg group A and B or 12,5 kg group C seed. Use twice the recommended amount if planting conditions are poor or when Thiram containing preparation is used.

**IMPORTANT: AN EXCESSIVE DOSAGE IS NOT HARMFUL.**

**GROUNDNUT:** GROUNDNUT SEEDS MUST NEVER BE MOISTENED. Mix the contents of the inoculant packet without diluting it with water with the seed until every seed is coated. Plant immediately after inoculation. Do not expose to direct sunlight and avoid direct contact with Super phosphate during and after inoculation. Use inoculant immediately after opening the packet.

**COWPEA GROUP B AND C:** Mix the contents of the inoculant packet thoroughly with about 0,3 liters water in which a sachet (1-1.5 g) of STIMULYM has been dissolved. Mix the slurry thoroughly with seed until every seed is coated. Spread in a cool shaded area to dry. Plant as soon as the seed is manageable.

Avoid exposure to direct sunlight and direct contact with Super phosphate during and after inoculation.

Use immediately after opening the packet.

Contact supplier for instructions on liquid inoculation in planter furrow.

## NOTE

Tested and recommended by the Plant Protection Research Institute of the Agricultural Research Council. Legume seed should always be inoculated at every planting.

## WARNINGS & PRECAUTIONS

Keep in a cool (4 to 24°C), dark, dry place. Do not use inoculant after expiry date. Do not store near pesticides. Treated seed should not be exposed to direct sunlight before planting. Not harmful to humans and animals. Although this remedy has been extensively tested under a large variety of conditions, the registration holder does not warrant that it will be efficacious under all conditions since the action and effect thereof may be affected by factors such as: abnormal soil, climatic and storage conditions; quality of dilution water, compatibility with other substances not indicated on the label as well as by the method, time and precision of application. The registration holder furthermore does not accept liability for damage to crops, vegetation, the environment or harm to man or animal or for lack of performance of the remedy concerned due to failure of the user to follow the label instructions or to the occurrence of conditions which could not have been foreseen in terms of the registration. Consult the manufacturer in case of any uncertainty.

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