

## RhizoN

### Nodulator

### INTRODUCTION

RhizoN is a nodulating type of bacterium associating aymbiotically with the root or the legume plants. It fixes nitrogen after becoming established inside root nodules of legumes. It produces nodules and multiplies in it. It is nodules that act as a factories of ammonia production. The legumes and their symbiotic association with the rhizobium results in the formation of root nodules that fix atmospheric nitrogen.



### ACTIVE INGREDIENT

ACTIVE INGREDIENT: Bradyrhizobium Sinorhizobium >  $2 \times 10^8$  cfu/ml liquid formulation

### CROPS

- Groundnut
- Soybean
- Red-gram
- Green-gram
- Black-gram
- Lentil
- Cow pea
- Bengal-gram
- Vetches
- Faba Bean

### Mode of Action

Premium Rhizobium is a Symbiotic Nitrogen fixing bacteria which is a soil inhabiting bacteria capable of fixing atmospheric nitrogen in symbiotic association with legumes. They host plants in all these cases have healthy appearance. It can tap into the 74,000 tonnes of nitrogen gas hanging over every hectare; increasing the productivity of pulses and fixing nitrogen into the soil for subsequent crops.

## Benefit:

- High levels of advanced rhizobia strain in a ready-to-use liquid formulation
- Sterile production ensure more than 200 million rhizobium per ml
- Improved nodulation and nitrogen fixation
- Enhanced plant vigor and increased yield potential
- Ensure maximum nodulation and nitrogen-fixation
- Improve water retention
- Enhance germination

## Soil Application:

- Horticulture apply 1 L/ ha, Apply every 4 weeks or as required
- Broadacre (liquid inject at planting) apply 0.5 L/ ha at planting

## Seed Treatment

- Horticulture apply 5 mL/ kg of seed, just prior to planting
- Broadacre apply 2 L /tonne of seed, just prior to planting

## Seedling treatment

- Dip seedlings in a solution of 1 ml per L, just prior to planting

## Application

- Use for the leguminous crops before the mentioned expiry date.
- Mix the inoculants uniformly with the seeds gently with the minimum amount of water taking care to avoid damage to seed coat. Dry the inoculated seeds under shade over clean paper or gunny bag and sow immediately.

- For transplanted crops: Mix the inoculants in bucket of water stir the mixture vigorously. Dip the roots of seedlings in this mixture before transplanting. Transplant as usual.

## Caution

- Shake bottle well before use.
- Contains live organisms. Do not mix with fungicides/bactericides, toxic chemicals or soil fumigants. Sanitise spray tank before application.
- All microbial products should be added to the tank last after all other inputs have been diluted. Ideally, apply in the late afternoon. Do not exceed 60 psi.

## Packing and shelf life

12 months shelf life, 500 ml / 1000 ml / 2000 ml per bottle,

## Storage

Contains live organisms. DO NOT FREEZE.

Avoid aerosols generated by aeration.

While handling, brewing and applying microbial products protective clothing, gloves and face masks should be worn.

Store in cool, dry place away from sunlight and below 30°C (preferably under refrigeration).

Use as soon as possible after opening but if this cannot be achieved then refrigerate remainder immediately after use and use within 3 months.

Contamination of contents may occur at any time after opening and Tangsons takes no responsibility for opened product not used immediately.