

## BENEFITS CONTINUE

**Mycorrhizal** inoculation at seedling stage will significantly increase the drought tolerance of seedlings, and also improve field performance through increased survival and growth.

### PRICE LIST

1 L. Package      \$    200

3 L. Package      \$    600

60 L. Package    \$10,000



NATIONAL AGRICULTURAL RESEARCH  
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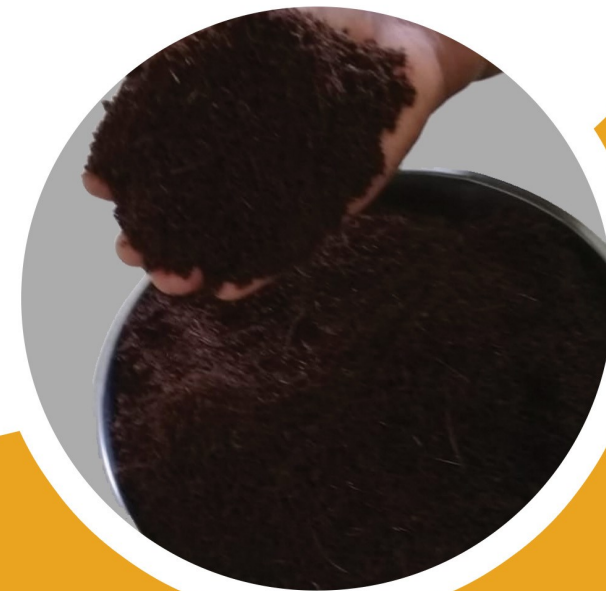
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nareigy

## S-SOWMIX

NAREI'S INDIGENOUS  
POTTING SOIL FOR  
VEGETABLE SEEDLING  
PRODUCTION







## S-SOWMIX (SEEDING-SOIL ORGANIC WASTE MIXTURE)

Our seedling soil organic waste mixture (**S-SOWMIX**) is a locally developed potting soil for vegetable seedling production. This product contains sterilized coconut coir, vermicompost, composted chicken litter, tabella sand and fortified with **mycorrhiza**.

**Mycorrhiza** which means 'fungus roots', is a microscopic fungi that grows in association with most land plants and some aquatic plants. It is vital to recognize the concept of using **mycorrhiza** because of the benefits that can be derived.

NAREI's Mix is comparable to other commercial mix, so take advantage and enjoy healthy seedling growth.

The use of **mycorrhiza** in our soil should become mandatory in order to facilitate nutrients to the plant since our tropical soil **P** (Phosphorus) are limited to **P** fixation.



## BENEFITS OF MYCORRHIZA

1. Nursery plants are better able to obtain **P** when they are later planted into low **P** soils. Phosphorus is needed for proper root and plant development.
2. The plants are better able to take up water which is critical to its survival especially during dry periods.
3. The amount of **P** fertilizers that needs to be applied to a plant or crop is reduced when effective arbuscular **mycorrhizal** associations are formed.
4. Reducing **P** can help maintain environmental water quality; erosion of soils from fields with high **P** levels often results in **P** enrichment of water bodies which causes excessive growth (blooms) of algae in water- ways.
5. It improves management of nematodes by retarding their development, nematodes are microscopic round-worms whose presence in the soil blocks root uptake of water and nutrients also significantly reducing crop performance and yield



## BENEFITS CONTINUE

6. Phosphorus and nitrogen are essential nutrient elements that are needed by plants in large amounts. The arbuscular **mycorrhizal** symbiosis between plants and soil fungi improves phosphorus and nitrogen acquisition under limiting conditions. On the other hand, these nutrients influence root colonization by **mycorrhizal** fungi and symbiotic functioning. This represents a feedback mechanism that allows plants to control the fungal symbiont depending on nutrient requirements and supply.
7. Under current climate change, global warming and an increase in the frequency of extreme weather events are expected to have a significant impact on ecosystems worldwide and can damage and stress plants making them more susceptible to disease, insects, and damage from further climate or stress effects.