

INTRODUCTION



Sagarika Liquid is a bio-stimulant which is a concentrated liquid seaweed extract. It is manufactured from red and brown seaweed sap which naturally contains Proteins, Carbohydrates, Inorganic salts /nutrients, Vitamins, Natural Hormones (Auxin, Cytokinins, Gibberellins), Betaines, Mannitol etc. It is one of the most concentrated liquid seaweed extracts available in the country. Its concentration is 28% w/w where the total solids are derived from the sap of both cultivated and collected seaweed in a proprietary proportion. Sagarika boosts plant growth and results in better yield. It provides stress relief to crops and enhances immunity against pests and diseases.

Sagarika is manufactured through a globally patented technology licensed from Central Salt and Marine Chemical Research Institute (CSMCRI), a constituent laboratory of Council of Scientific and Industrial Research (CSIR), Government of India.

Many other trials apart from this clearly indicate that when 'Sagarika' is used in conjunction with a regular dose of fertilizer, the fertilizer usage can be reduced by 25% without any adverse impact on the crop yield and productivity but with a significant positive impact on the farmers' income. Due to its stress relieving property, Sagarika can play a major role in improving the sustainability of rain fed agriculture.

BENEFITS

- Enhanced germination rate and reduces transplant shock
- Increases tolerance to abiotic stress such as drought, heat, salinity stress
- Increases nutrient use efficiency of organic and chemical fertilizer by the plant
- Farmer benefits with increase in yield and quality of produce
- Activates soil microbial population and improves soil health
- Leads to better and stronger root growth, tillering & branching, fruiting & seed setting and quality enhancement of fruits/seeds
- Due to improved health, it increases plants' natural defenses against environmental stress, pests and diseases
- Suitable for rainfed-dryland farming, climate resilient agriculture and for enhancing productivity of pulse crops

Sagarika is a broad-spectrum bio stimulant which can be applied to a wide range of crops such as Commercial Crops, Field Crops, Plantation Crops and Horticultural crops.

DOSAGE

- Foliar application:
Dilution Details
0.25 – 0.5 % or 2.5 - 5 ml of Sagarika Liquid in 1 liter of water
- 1 – 2 litre of Sagarika Liquid per hectare
- 500 ml of Sagarika Liquid is sufficient for one spray per acre

Suitable in all field and plantation crops

- First Spray – Plant Establishment Stage/Tilling Stage.
- Second Spray – Pre Flowering Stage.
- Third Spray – Post Flowering Stage.

Note : For better results apply two sprays of Sagarika, first at the critical growth stage and second before the flowering stage as per the crop growth.

- Seed soaking / Seedling treatment: @ 0.1% or 1 ml of Sagarika Liquid in 1 liter of water
- Fertigation : Apply as per soil, crop growth stage & nutritional schedule