



# EDAGUM<sup>SM</sup>

**PLANT AND SOIL TREATMENT**  
**A PEAT BASE BIOFERTILIZER AND MICROBIAL ACTIVATOR**

## **Invigorates the biological processes of Soil and Plant Life**

EdagumSM enhances soils and plant physiology by improving soil structure and fertility by influencing nutrient uptake and root architecture.

This natural product is made from environmentally friendly plant materials. EdagumSM can be used in traditional farming together with chemical fertilizers and plant protection products and in organic farming. It is applied on all types of agricultural crops on any types of soil. EdagumSM is a unique blend of humic and fulvic acids, micro and macro nutrients and a soil biological activator. Unlike common fertilizers, EdagumSM is a natural stimulator of plant growth and development, a biocontrol agent, an adaptogen, a immunomodulator, and a soil improver.

EdagumSM is designed for seed treating, root dipping, in-furrow seeding, top of soil and foliar treatments.

- substantially increases the number of aggregations of soil microorganisms - ammonifying, amylolytic and denitrifying bacteria, phytohormones and growth stimulants - auxins, cytokinins, gibberellins
- increases respiration of soil microorganisms
- increases the content and availability of nutrients in the soil: ammonia nitrogen, mobile phosphorus

The effects of EdagumSM begins immediately after applied to seed, transplants, soil and plant leaves. The seed vigor produces stronger root systems that begins the biological activities that continues throughout the plants life.

**NUVIA**  
TECHNOLOGIES INC.

*Inspired by Nature, Driven by Results*

## PURPOSE

Natural peat based fertilizer EdagumSM® reduces water and fertilizer use. Improves fruit set and quality. Activates and stimulates soil microbial activity improving soil tilth and quality. Increase plant growth and yield by supplying the required vital humic substances that is a rich spectrum of plant nutrients including naturally occurring humic acid. EdagumSM® improves and rebuild the health of contaminated, dead or toxic soils.

## CONTAINS NON-PLANT FOOD INGREDIENTS AND NOT A FERTILIZER SUPPLEMENT

Available Humic Acid .....1.47%

Other Ingredients.....98.53%

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.aapffco.org/metals.htm>

## Dosage Recommendation and direction of use:

Treatments & Crop Species	Application Rate (oz./ac)	Direction of Use
<b>Soil Treatment</b> (For use on depleted or contaminated soils).	32oz. /ac 1 - 2 times	Use 50gal of water applied as a preplanting soil treatment, <b>2-3 weeks</b> prior to seeding. Post-harvest soil treatment, apply solution <b>2-3 weeks</b> after harvest for soil restoration.
<b>Root soak</b>	3 - 6 oz/gal	<b>Soak roots</b> in 3oz/gal solution for <b>15min</b> <b>Soak cuttings</b> (grapes, apples, etc.) in 6 oz/gal solution for <b>24 hours</b> .
<b>Seed soak</b> before seeding	6 oz/gal	Make a solution with enough water to completely emerge seeds in solution for a minimum of <b>15 - 24 hours</b>
<b>Seeding &amp; Transplanting</b>	3 - 6 oz/gal/hole	Make a 1gal working solution using 3oz. for small plants, 6oz. large plants and roots. Create a hole place transplant in hole, drench with solution and cover hole.
<b>Foliar Broadcast: Cereal/Grains</b> (rice, cotton, soybean, corn, tomato, sunflower, cucumber, potato, onion, sugarbeet, pea, melon, carrot, eggplant, squash, tobacco).	1.5 oz/gal	<b>1st Foliar:</b> at 3-8 true leaves/ first vining. <b>2nd Foliar:</b> heading to flowering, 50% canopy. (14 days after 1st foliar for melon, tomato, cucumber, sunflower). <b>3rd Foliar:</b> 15 -20days after 2nd foliar.
<b>Foliar Broadcast: Grape, Stone fruit, Apples, Pear, Citrus</b>	0.25 - 0.50 oz/ gal	<b>1st Foliar:</b> at bud formation in grapes, immediately after inflorescence, stone fruit & citrus. <b>5-7days</b> after inflorescence, in pears, and apples. <b>2nd Foliar:</b> beginning of ovary drop and during grape inflorescence. <b>3rd Foliar:</b> 15days after ovary drop in citrus & stonefruit, and flowering bud formation in apple. <b>4th Foliar:</b> 30days after ovary drop in citrus & stonefruit, and flowering bud formation in apple.
<b>Root Feeding in Nurseries and Greenhouse</b> (Soak seed and roots, and apply foliar and root feed as prescribed during season)	0.5 oz to 1 oz/gal (Root Feed)	<b>Fertilize roots</b> in solution of <b>25 - 33 oz.</b> in <b>100 gal water</b> . <b>Foliar</b> over plants with <b>16-33oz.</b> in <b>100 gal water, 2 - 3 times</b> during season.
	0.25 - 1.5 oz./gal (Foliar Feed)	
<b>Irrigation</b> (Use same rates as root feeding and foliar applications).	Use Foliar & Root Feeding Rates	Use same rates as prescribed for foliar and root feed. Proper upkeep of equipment and systems should be observed.
<b>Turf and Grasses</b> (Foliar spray and irrigation)	0.5 oz to 1 oz	Apply over growing turf grass and forages 4 times over the season at <b>5.5oz / 5 gal</b> solution to <b>11oz / 20gal</b> solution.

EdagumSM, can be diluted or mixed with other compatible nutrients. Confirm tank mix compatibility and crop tolerance before mixing with other products. For more detailed directions for use on this product, contact your representative at NuVia Technologies.

**SDS:** Please read the product Safety Data Sheet before use.

## Natural Growth and Development Stimulator Soil and Crops Improvement



**Hydroponics Ready**



**Open Field Ready**



**Green House Ready**



**Food Crops**



**Orchards & Vineyards**



**Hydroponics & Greenhouses**



**Seed, Seedling Planting Beds**



**Turfs & Ornamentals**



**Hemp & Marijuana**



**Non Food Plants, Gardens & Potted Plants**

## Mode of Action:

Peat base substances represent the organic material mainly widespread in nature. EdagumSM has a positive effect on soils and plant physiology by improving soil structure and fertility and by influencing nutrient uptake and root architecture.

## CAUTION

It is recommended to check the compatibility of EDAGUM®SM and other agrochemicals, which will be applied together by mixing them in small volumes to make sure, that there is no precipitation after mixing.

## PRECAUTION

**Keep out of reach of children. Do not breathe dusts or mists. Wash thoroughly after handling. Do not eat, drink when using this product.**

**Product Spillage:** In case of spills, sweep or vacuum without creating dust, into a suitable container for disposal and wash area with water.

## FIRST AID

**Case of Inhalation:** Remove to fresh air. If breathing is difficult, seek medical attention.

**SKIN CONTACT:** Rinse thoroughly with water. If irritation persist seek medical attention.

**EYE CONTACT:** Rinse thoroughly with water. If irritation persist seek medical attention.

**SWALLOWING:** Rinse mouth thoroughly with, salt water if possible. Induce vomiting and seek medical attention.

## STORAGE:

- Keep container closed when not in use.
- For best temperature control, store product and treated seed at same dry floor surface.
- Use before the expiration date. The expiration date is valid only for unopened packs stored under the recommended conditions above.
- Store product in original packaging under dry conditions, preferable room temperature or colder
- Avoid direct sun- light and excess heat.
- Keep container tightly closed and sealed until ready for use.

**Disclaimer:** Since the use of this product is beyond our control we will not accept any liability for the misuse or claims otherwise except for quality of the product.

## Product Available in:

**1 L (33.8 oz ) 10 L (2.64 gal)  
1000 L IBC Tote (265 gal)**

**BATCH NO:**

**MFG DATE:**

**EXP DATE:**

**Net Content:**

**Net Weight:**

MANUFACTURED FOR AND GUARANTEED BY:



Inspected by Ecocert SA F - 32600, input suitable for organic farming, Product compliant Under NOP

**NUVIA**  
Technologies Inc.

Expertise in Agricultural Biochemistry,  
Microbiology, Bioprocess Engineering  
and Environmental Applications



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