



GUARANTEED ANALYSIS

Total Organic Matter	:45 % (w/v)
Organic Carbon (C)	:16 % (w/v)
Total Nitrogene (N)	: 2 % (w/v)
Organic Nitrogene (N)	: 2 % (w/v)
Total Amino Acid	: 2 % (w/v)
Water Soluable Potassium Oxide (K2O)	: 6 % (w/v)
Humic + Fulvic Acid	: 12 % (w/v)

BENEFITS

SIGMA is a special product derived from moist plants and natural plant originated amino acids. Through experimental trials and applications, the product is available on the market. SIGMA increases microbial activity in the soil and improves the biological structure. It increases the water retention capacity of the cation exchange and improves the physical structure of the soil. The product produces major nutrients in the soil which are extracted by the plant and its micro-elements.

Thanks to its exclusive content, the plant responds enhancing its growth and development, throughout the seasons (without this content, the soil will be unable to extract these elements). SIGMA increases the fringe root formation directly in the plants. Contact with the soil roots, allows the increase of the root surface.

SIGMA has its special formulation that improves the soil through chemical and physical structure. Organic substance can be safely used during all farming seasons to improve the efficiency and quality, if the soil is inadequate.

SIGMA applied products react in a very short period of growth and development. Plants can be safely used during all periods.

SIGMA removes the harshness of soil, thus facilitating root development and stimulates root growth.

SIGMA regulates movement of water and air in the soil.

SIGMA removes excess salt in the soil and thus alleviates aridity. It regulates pH level of soil by dissolving calcium content of the soil.

SIGMA increases ion traffic in the soil, thus freeing phosphor, calcium and trace elements bound with clay minerals, rendering them usable by the plants.

SIGMA acts as a chelating agent for the plant nutrients in the soil, facilitating their absorption.

SIGMA prevents precipitation of colloids in the soil.

SIGMA increases the shelf life of the crop.

SIGMA increases nutrient retention rates in the soil, and prevents nutrient loss through wash out.

SIGMA increases the sugar level in fruits and vegetables.

SIGMA helps with early seed germination.

Plant Originated Liquid Organic Fertiliser With Amino Acid

SIGMA

Humic - Fulvic Acids
Organic Fertiliser

FEATURES

Humic compounds are specially formulated and applied to the soil substances, which produces these 3 effects: Formation of stable complexes in the soil with elements Ca, Mg, Fe, Zn or Mn. Formation of macropolymers with the existent phosphorous in the soil or it is added. These will re-dissolve slowly as the Organic Matter decomounds, and the molecules of phosphorus will become loosened. It improves the capacity of Ionic Exchange of the soil. All these properties will collaborate with the best utilization of the used fertilisers, as well as during the mobilization of the assimilable or partially assimilable elements of the soil.

USAGE AREA, FORM, TIME AND QUANTITY

USAGE AREA	APPLICATION TIME	SOIL APPLICATION	FOLIAR APPLICATION
All Greenhouses and All Open Field and Winter Vegetables	1 - 2 applications with drip irrigation 10 days after planting. From pre-flowering until the harvest, it can be applied with foliar application at regular intervals.	15 - 20 Lt. / Ha	150 - 200 cc. / 100 Lt. Water
Strawberry and Ornamental Plants	Begins with vegetative growth and apply at 10 - 15 day intervals throughout the season.	15 - 20 Lt. / Ha	200 - 250 cc. / 100 Lt. Water
Vineyard	From the beginning of the shoot until the harvesting period, it can be applied by drip irrigation when needed. It can also be applied by foliar application at regular intervals until fruit set period.	15 - 20 Lt. / Ha	200 - 250 cc. / 100 Lt. Water
Corn and Sunflower	Every 7 - 10 days from bud break to bloom. Use while Nitrogen fertilization is necessary.	15 - 20 Lt. / Ha	200 - 250 cc. / 100 Lt. Water
Cereals and Forage Crops	During the tillering period in early spring.	15 - 20 Lt. / Ha	250 - 300 cc. / 100 Lt. Water
All Stone and Pome Fruit Trees and Nut Crops	From beginning of blooming until the harvesting, it can be applied at regular intervals.	15 - 20 Lt. / Ha	100 - 150 cc. / 100 Lt. Water
Cotton	It can be used safely in every period needed from when 8 - 10 leaves appear.	15 - 20 Lt. / Ha	350 - 400 cc. / 100 Lt. Water

MIXABILITY

It is recommended to conduct small container compatibility tests before mixing with the other products. To be used only if required, and do not exceed the recommended dosages.

PACKAGING:



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