PLANT MICROBIOTA

CORNMICROBIOTA GROWTH

EFFICACY EVALUATION

RESULTS FROM USING BIOFERTILIZER ON **CORN**

CornMicrobiota Growth, a product of Microendo Inc., is the first product developed from the selection of the best microorganisms obtained from the same *Zea mays L.* plant, making it a patented and unique product on the market. **CornMicrobiota Growth** is a bio-inoculant made from a probiotic mix that stimulates the growth of *Zea mays L.* In addition to strengthening the plant's immune system, it reduces plant stress by restoring its natural microbiota.

FIELD INFORMATION

Location

Development greenhouse (20°34'9"N, 102°26'50"W).

Size

1 Hectare

Analysis Design

- The analysis was conducted by distributing different treatments and comparing plant heights among the treatments.
- The number of leaves per plant was measured.
- Randomly selected comparative photographs were presented.

EFFICACY EVALUATION

CornMicrobiota Growth was tested on corn seedlings to determine the percentage increase in height and leaves after inoculation. It was compared to conventional field nutrition (chemical fertilizer) and a commercial biological product *(A. brasilense)*.

Treatment	% Height Increase	% Leaf Increase
CornMicrobiota Growth	237.93%	12.5%
Water	2.07%	-7.69%
Chemical fertilizer	206.29%	7.69%

For average height, **CornMicrobiota Growth** increased plant height by an average of **51.75 cm**, followed by the chemical fertilizer treatment with an increase of **49.16 cm**. However, the water treatment only increased plant height by **0.75 cm.**

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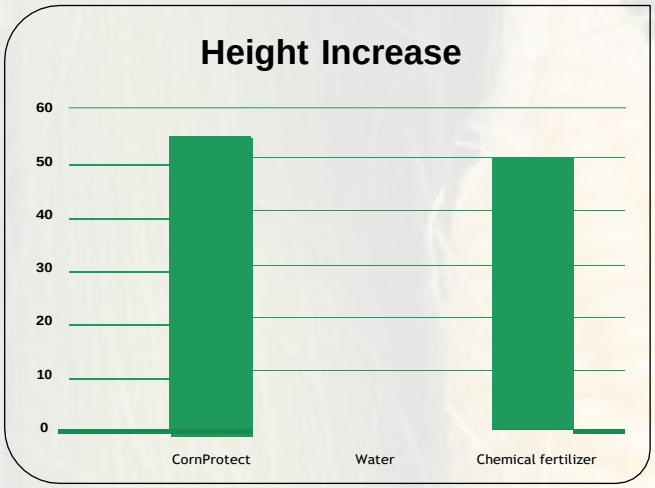
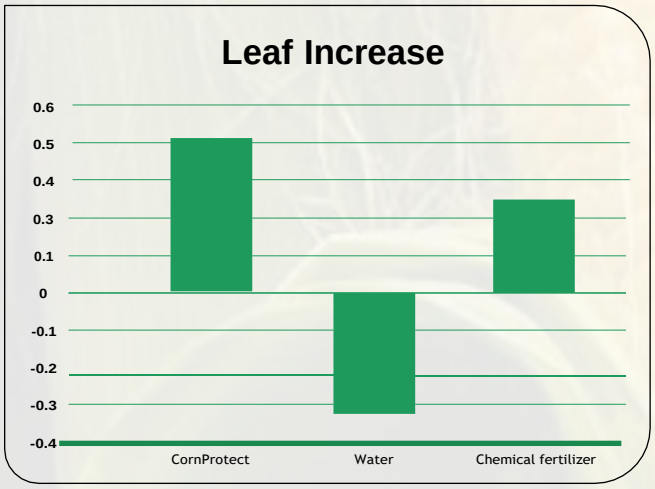


In terms of new leaf production, **CornMicrobiota Growth** induced an average of **0.5** more new leaves, followed by the chemical fertilizer, which generated an average of **0.3** new leaves. The water treatment, on the other hand, did not produce any new leaves and only caused the existing leaves on the plants to wilt.



Conventional

CornMicrobiota