



# BLUEBERRY MICROBIOTA

## GROWTH

### EFFICACY EVALUATION

RESULTS FROM USING BIOFERTILIZER ON BLUEBERRY

**Blueberry Microbiota Growth**, a product of Microendo Inc., is the first product developed from the selection of the best microorganisms obtained from the same *Vaccinium corymbosum* plant, making it a unique and patented product in the market. **Blueberry Microbiota Growth** is a bio-inoculant made from a probiotic mix that stimulates the number of new shoots and roots in the early developmental stages of *Vaccinium corymbosum*. In addition to strengthening the plant's immune system and reducing stress, it helps restore the original microbiota of the crop.



## FIELD INFORMATION

### Location

Rancho Monte Largo, Ayotlán, Betania delegation (20°34'9"N, 102°26'50"W).

### Size

10 Hectares

### Analysis Design

- The analysis was conducted by distributing different treatments and comparing the number of shoots.
- Randomly selected comparative photographs were presented.

## EFFICACY EVALUATION

The product was tested in a tunnel containing 100 plants, each inoculated with 100 ml of the treatment (**Blueberry Microbiota Growth**), injected directly into the substrate near the plant's roots. A total of three applications were made immediately after pruning, over a period of three weeks, with one application per week. Five plants were marked at random, and the number of new shoots was measured.

## RESULTS

In **Figure 1**, we can observe the comparison of the average difference between the final number of shoots and the initial number of shoots of the blueberry bushes treated with **Blueberry Microbiota Growth** against the control group.

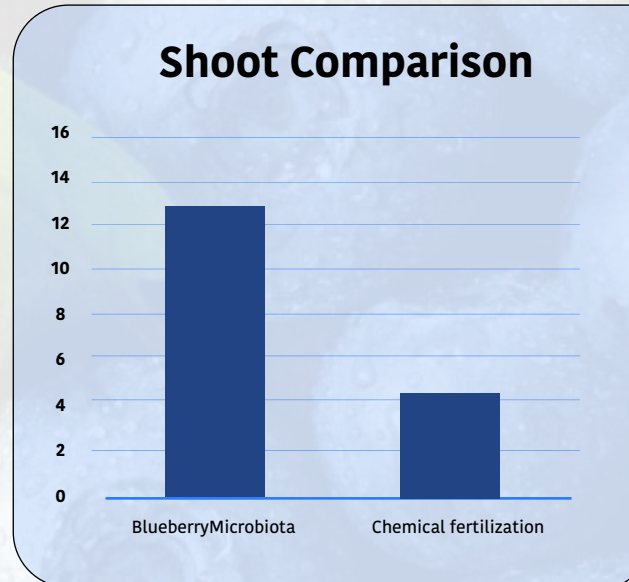


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**Figure 1.** Comparison of the shoots produced by both treatments.

As shown in **Figure 1**, the comparison of the total shoots generated during the application of **Blueberry Microbiota** indicates that the treatment with the biofertilizer was the most effective, generating an average of **13.5** shoots. In contrast, the treatment with water alone resulted in an average of only **4.2** shoots. The biofertilizer **BlueberryMicrobiota** was able to increase the number of shoots in the plants by three times.



**Figure 2.** Images of the plants before and after the treatment with Blueberry Microbiota.



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## FIELD INFORMATION

### Location

Rancho Miki  
Ixtlahuacán del Río, Jalisco

### Size

1 hectare

### Analysis Design:

- The trial was conducted on blueberries.
- A dose of 1 L/ha was used.
- The number of shoots was analyzed.
- Blueberry plants without treatment were left as a control.

## EFFICACY EVALUATION

Three applications were made with an interval of 8 days between applications. The product was applied through the irrigation system, adding 333 ml of each component of the **BlueberryMicrobiota Growth** product per application. The number of shoots was analyzed.

## RESULTS

**Table 1** presents the comparison of results obtained from control plants versus plants treated with the **BlueberryMicrobiota Growth** product. It is observed that plants treated with the **BlueberryMicrobiota Growth** product present **64.1%** more shoots than the control.



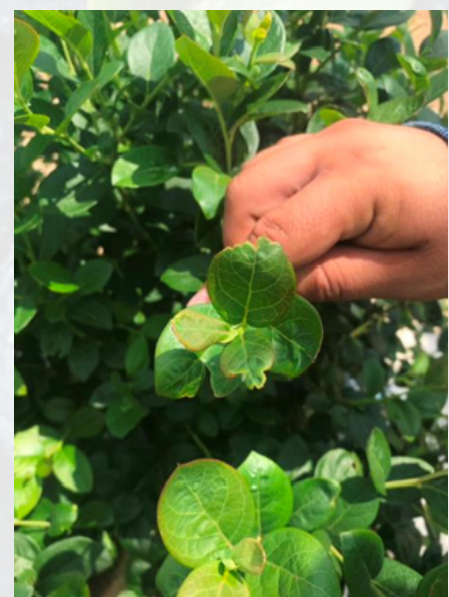
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## EFFICACY EVALUATION

RESULTS FROM USING BIOFERTILIZER ON BLUEBERRY.

Treatment	No. of shoots
Control	7.8
BlueberryMicrobiota Growth	12.8

**Table 1.** Comparative table of the height increase and the number of shoots of the plants treated with **BlueberryMicrobiota Growth** versus the untreated plants.





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## EFFICACY EVALUATION

RESULTS FROM USING BIOFERTILIZER ON BLUEBERRY.

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## FIELD INFORMATION

### Location:

Rancho El Motivillo  
Cuquio, Jalisco

### Size:

1 hectare

### Analysis Design:

- The trial was conducted on blueberries.
- A dose of 1 L/ha was used.
- Height increase and number of shoots were analyzed.
- Blueberry plants without treatment were left as a control.

## EFFICACY EVALUATION

Three applications were made with an interval of 8 days between applications. The product was applied with the help of backpacks, adding 333 ml of each component of the **BlueberryMicrobiota Growth** product per application. Height increase and number of shoots were analyzed.

## RESULTS

**Table 1** presents the comparison of results obtained from control plants versus plants treated with the **BlueberryMicrobiota Growth** product. It is observed that plants treated with the **BlueberryMicrobiota Growth** product have **62.5%** more height increase compared to the control and **22.4%** more shoots than the control.



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## EFFICACY EVALUATION

RESULTS FROM USING BIOFERTILIZER ON BLUEBERRY.

Treatment	Height increase	No. of shoots
Control	3.2	11.6
BlueberryMicrobiota Growth	5.2	14.2

**Table 1.** Comparative table of the height increase and the number of shoots of the plants treated with **BlueberryMicrobiota Growth** versus the untreated plants.

