



Evaluation Protocol for Ergro International, Corp. Products

Evaluation and Results

In order to immediately confirm the benefits of **Ergro**® Products, apply your regular fertilizer dosage without **Ergro**® Products on a small area of your field and leave it as a check plot. In another side of your field apply your regular fertilizer dosage with **Ergro**® Products. After 20-30 days compare your crops. You will be able to certify that the crop with **Ergro**® Products has emerged with a higher rooting and greater weight of plant mass. Furthermore, at harvest time, you will get a bigger amount in the production with higher quality.

We recommend evaluating the crops treated with our products with the following procedure:

Select the area to evaluate

1. Select 2 areas. One area will be the Treated Area and the other area will be the Check Area. This procedure is done in order to compare results.
2. It is recommended that the Treated Area measure 1 or 2 acres. The rest of your crop will be considered as the Check Area.

Treatments and Fertilization

1. In order to have a fair evaluation, please use the exact same fertilization program in each of the Areas (Treated and Check). It is pivotal to the results that the only difference between both areas will be the usage of our Products. Through the way of this procedure you will have an effective Cost-Benefit comparison.

Application

1. Apply our Products as indicated in the labels.

Crop Samples

1. Before harvesting please take some crop samples with the purpose of measuring some variables such as:
 - a. Fruit weight per plant.
 - b. Number of fruits per plant.
 - c. The number of plants per area.
 - d. Root distribution in the soil. (Length and Deep).
 - e. In some crops there are some independent variables, i.e. for Papaya is Papaine, for Sugar Cane and other crops is the Brix Grades (the sweet grade), for Peppers is Capsicine (the hot grade of peppers). If your crop has some of these special types of measures you can evaluate them also. Our products usually increase these grades.

Harvest

1. Harvest the fields separately and evaluate the following:
 - a. Weight of the Treated Area and weight of the same Check Area.
 - b. Average of quality (Percentage of 1st, 2nd, 3rd Grades of fruit). This is useful for the following equation:
Higher quantity of 1st Grade Fruits = Higher paid price.

Evaluation:

1. The main evaluation is done by Cost-Benefit usage of our products.
2. Subtract the weight value of the Check from the Treated.
3. Divide the difference by the Check, and multiply it by 100. That result will be your increment in % between the Check and the Treated area.
4. Multiply the difference in weight by the crop price at that moment.
5. From the previous result subtract the treatment cost of our products. That result will be your additional profit using our products.
6. Divide that additional profit by the product cost. That value is the times your investment in our products was paid.
7. Example:

a. Variables

- i. Check Plot = 195 Boxes.
- ii. Treated = 232 Boxes.
- iii. Price per Box = \$14.00
- iv. Treatment Cost = \$30.00

b. Calculations:

- i. $232 - 195 = 37$ boxes. (Yield Increase)
- ii. $37 / 195 \times 100 = 19\%$ (Yield Increase in %)
- iii. $37 \text{ boxes} \times \$14.00 = \$518.00$ (Total profit)
- iv. $\$518.00 - \$30.00 = \$488.00$ (Your additional profit)
- v. $\$488.00 / \$30.00 = 16.3$ Times (Times the investment was paid)