



ORGANIC BASED FOLIAR BLEND

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**3870 E. Flamingo Rd., #A2-451
Las Vegas, Nevada USA
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THE ORGANIC PRODUCT: -AZ41 ORGANIC BASED FOLIAR BLEND FERTILIZER

- ☛ **The COMPLETE FOOD for the plant that ABSORBED THROUGH THE LEAVES”**
- ☛ **THE PLANT NUTRITION and PLANT PROTECTION**
- ☛ **WITH AT LEAST EIGHT(8) BENEFITS”**
- ☛ **UNITED STATES DEPARTMENT OF FOOD AND AGRICULTURE APPROVED**

AZ41 PRODUCT INGREDIENTS:

- 1. ALOE VERA**
- 2. MELALEUCA(Australian Bark Tree)**
- 3. D-LIMONINE(CITRUS PEEL)**



RISKS OF INORGANIC FERTILIZERS:

The use of inorganic fertilizer in crop culture poses health and environmental risks.

WHAT IS AZ41?

Hence, **environment-friendly fertilizer** such as **AZ41** becomes a significant alternative, not only to protect the environment but most importantly to safeguard the health of end-user or farmer.

AZ41 is an organic based foliar blend for organic based and conventional farming. It is a nutritional breakthrough input and is considered as a foliar fertilizer because of its known and yield enhancing effects. **AZ41** is formulated from VEGETABLE, HERB & FRUIT TREE with high grade macro and micronutrients, vitamins, minerals, polysaccharides, amino acids, lignins, saponins, chrysophanic acid, and other secondary plant products. It is also believed to provide a systemic acquired resistance(S.A.R.) against abiotic and biotic stresses

WHEN USED AS DIRECTED , AZ41™ BOASTS OF THE FOLLOWING

☛ **100 % NATURAL ORGANIC FOLIAR BLEND FERTILIZER** – with vitamins, Micro-Macro Nutrients, Polysaccharides, Amino Acids, and Chrysophanic Acid.

☛ **BIOTIC PROPERTY** – Due to presence of elements called lignin and saponin found in Agrapol (aloe vera)

☛ **STICKER PROPERTY** – or Rain fastness, AZ41 is easily absorbed by the foliage.

☛ **SYSTEMIC ACTION**- AZ41 components penetrate in the leaves through the stomata and are transported to the plant's system up to the roots.

☛ **GROWTH STIMULANT** – Presence of vitamins and minerals that help the plants grow due to the activation of growth hormones.

☛ **ROOT HORMONE**- AZ41 has vitamins and minerals that help the plant consistently produce new roots.

☛ **SYSTEMIC ACQUIRED RESISTANCE (S.A.R.)**- polysaccharides, minerals, vitamins, and other secondary metabolites present in AZ41 makes the plant/crop healthy and strong to resist abiotic and biotic stresses.

☛ **FRUIT/LEAF CLEANER** – The presence of D-limonene acts as a cleaner making the fruit free from blemishes. It washes impurities from the leaves that assures 100% photosynthesis in the plant.

THAT IS WHY AZ41 IS :

☛ **The COMPLETE FOOD of the plant that ABSORBED THROUGH THE LEAVES”**

☛ **IT ABSORBED FASTER AND EFFICIENT THAN INORGANIC FERTILIZER**

AZ41 Other Advantages:

- ☛ **Increase Crop Yield**
- ☛ **Environment Friendly**
- ☛ **Biodegradable**
- ☛ **Healthy**
- ☛ **Can also be applied for In-Organic Farming**

NOTE: True fertilization, as advocated by J.I. Rodale noted American Scientist, does not consist of just the mere adding of chemical fertilizer in the soil but rather the maintenance of an ecologically balanced soil. An ecologically balanced soil can sustain a healthy and vigorous life. And healthy plants usually productive and resistant to attack of the plant disease.

The soil is considered ecologically balanced when it contains enough of all the five needs of the crop/s: Air, Water, Minerals, Organic Matter/humus, Vast Community or microbial population and earthworms.

Definitely, chemical fertilizer alone cannot maintain an ecologically balanced soil, but overall components of AZ41 can help make the plants healthy and ecologically balanced.

☛ SAMPLE ACTUAL STUDY:

STUDY TITLE: FIELD EVALUATION OF AZ41 FOR SCALE INSECT, ASPIDIOTUS DESTRUCTOR CONTROL:

BY: GENOVIVA C. GODOY AND RICHARD S. RAMIREZ

Researcher and Researcher Assistant, Marsman-Drysdale Biotech and Research Corporation, Sto.Tomas, Davao Del Norte

ABSTRACT:

This study was conducted in Marsman Estate Plantation, Inc., from September to October 2004 to evaluate the bio-efficacy of AZ41 against scale insect, *Aspidiotus destructor*. It was carried in randomized complete block desing(RCBD) with 4 treatments replicated 4 times.

RESULT:

It was found that AZ41 is effective for the control of scale insect, *Aspidiotus destructor* infesting Cavendish bananas. This was evidence by high scale insect mortality of 92.5-100.00 percent from 5-19 days after spray.

HOW TO USE AZ41 EFFECTIVELY

CROP/PLANT	STAGES	INTERVAL	DILUTION
GRAPES ☛ AZ41 can be incorporated with other inputs on 3 rd , 4 th and 5 th applications. ☛ Applications increases due to increase of foliage ☛ AZ41 can be use for bunch rot treatment of 3 bottles/10 acres ☛ Can also increase brix from 2 dgrees and up ☛ Each spray needs 500 gallon of water	First Spray in May	21 days	☛ 1 & ½ bottle/ 15 acre
	Second Application	21 days	
	Third & Fourth Spraying	21 days	☛ 1 & ¾ bottle/12 acres
	Fifth Application	21 days	☛ 2 bottles/10 acres

CITRUS/ORANGE	Vegetative to Maturity Flowering to Harvest	Once a month 30,45, 69 days Days After Flowering.	☛ 4 OZ to 7 OZ/200 Liters of Water ☛ 4 OZ to 7 OZ/200 Liters of Water
VEGETABLES/CROPS -Like Cruciferae Family, Solanacius Family, Tubers(Carrots, raddish), Potatoes, Tomatoes, Eggplant, Asian vegetables, Water Melon, Honey Dew, etc.	Vegetative to Maturity	Once a week	☛ 1 OZ to 2 OZ/ 4 gallons of water
RICE/CEREALS/CORN	Maximum Tillering Stage Booting Stage	<u>30-35 DAT/DAP</u> <u>60-65 DAT/DAP</u>	☛ <u>1 OZ/4 gallons of water/ACRE</u> ☛ <u>1 OZ/4 gallons of water/ACRE</u>



AZ41™ MACRO / MICRO – ANALYSIS(+/-):

AZ41's MACRONUTRIENTS

Total

Nitrogen.....	2.9700%
<i>Phosphorous.....</i>	<i>0.0100%</i>
<i>Potassium.....</i>	<i>1.4200%</i>
<i>Calcium.....</i>	<i>0.2000%</i>
<i>Magnesium.....</i>	<i>0.2600%</i>
<i>Sulfur.....</i>	<i>1.4000%</i>
<i>Silicon.....</i>	<i>0.4000%</i>

AZ41's MICRONUTRIENTS

<i>Chlorine.....</i>	<i>2.4000%</i>
<i>Boron.....</i>	<i>0.0100%</i>
<i>Copper.....</i>	<i>0.0200%</i>
<i>Iron.....</i>	<i>0.3600%</i>
<i>Manganese.....</i>	<i>0.015%</i>
<i>Zinc.....</i>	<i>0.0100%</i>
<i>Molybdenum.....</i>	<i>0.0100%</i>

AZ41's VITAMINS

<i>B1-Thiamine</i>	<i>0.2465%</i>
<i>B2-Riboflavin</i>	<i>0.0420%</i>
<i>B3-Niacin.....</i>	<i>0.0130%</i>
<i>B6-Pyridoxine.....</i>	<i>0.0930%</i>
<i>B12-Cyona-Cobalamine.</i>	<i>0.0250%</i>
<i>Vitamin-C Ascorbic Acid.....</i>	<i>0.0047%</i>
<i>Vitamin-A Beta Carotene.....</i>	<i>0.0028%</i>
<i>Vitamin E.....</i>	<i>0.0100%</i>
<i>B9-Folic Acid.....</i>	<i>0.0022%</i>

PINEAPPLE PLANTATION IN AUSTRALIA

RE: RESULT OF AZ41 Organic Based Foliar Blend
RESEARCH SCIENTIST: DR. VALERIO TANGULIG
PLACE OF RESEARCH: GOLDEN CIRCLE, QUEENSLAND AUSTRALIA
CROP TESTED: PINEAPPLE

RESULTS:

After doing block size, I am now sending you photographs where AZ41 Organic Based Foliar Blend is used on commercial scale.

The pictures are from a field (red bud stage) which had a history of 20-40% mortality due to Phytophthora infestation. With AZ41 application, no Phytophthora infection was observed. AZ41 was used to replace metalaxyl and phosphorous acid. Interestingly also, few plants that were infected with MBW virus recovered fully as a result of AZ41 spray. In high nematode pressure fields, ratoon crop growth was far superior than that in the control (no AZ41 spray). You may consider integrating the use of AZ41 in your Phytophthora, MBW, and Nematode control program.

BELOW IS THE RECOMMENDED PRACTICE:

- 1. Apply AZ41 (2000 ppm product) by foliar spray in 2000 liters of water/hectare at 2-3 months after planting and every 2 months thereafter until forcing.**
- 2. Application is done cool periods (i.e. early morning or late afternoon). AZ41 can be mixed with foliar fertilizer spray or insecticide/pesticide spray solution.**

WE ARE ALSO USING AZ41 AS A "BRIX ENHANCER" during the low-brix periods. AZ41 applied at 4 liters/hectare 14 and 21 weeks after forcing and at 2 weeks before harvest can increase brix by 2-4 degree units. One grower has even obtained a 5 degree increase in one of the blocks.

I hope you find the aforesaid information worth-trialing and /or implementing.

My best personal regards.

Sincerely,

VALERIO TANGUILIG, Ph.D.



• **Your Plant Nutrition - Your Plant Protection**

Directions For Use:

1. Clean sprayer and ensure that same is free from chemical residue.
2. Use clean water container and mix AZ41 with clean water, following the recommended dilution. Thoroughly mix until bubbles are produced, then pour the solution into the sprayer.
3. Best time to spray is early in the morning (between 5-7am) or late afternoon (between 4-5pm).
It enhances fruits and flowers
4. Recommended dilution of AZ41 is 1 fl. Oz (or 2 tbsp) per a gallons of water (in a 4-gallon knapsack sprayer)

Cost Per Spraying: **US\$ 0.17 CENTS**



Available

Container:

AZ41 Organic Based Foliar Blend comes with a 2 liter bottle preparation. One 2 liter bottle is equivalent to 200 knapsack sprayer or more or less a total of 3,200 liter volume spray/bottle.

Note:

Always mix the spray thoroughly and apply in as fine a mist as possible. The pressure of the spray should be high enough to achieve a swirling effect as mist so as to moisten the underside of the leaves where the stomata are found. Same rules applies when applying by aircraft. Take care to avoid leaf burning when spraying in direct sunlight. It will also maximize the efficiency of the foliar spray, insuring that the maximum amount will stick to the leaves and absorbed.

**“BUILDING
STRONG
RELATIONSHIPS
ONE HARVEST AT A
TIME”**



