



Biomasters Global, Inc.



SINCE 1996

4894 West Lone Mountain Road Suite 191 Las Vegas, Nevada 89130 USA

Telephone: (+1) 702-645-1390 Fax: (+1) 702-656-2305 Email: info@biomasters.com

Agriculture Website: www.biomasters.com Ethanol Website: <http://home.earthlink.net/~test-results2/>

Increase your Bio-Fuels & Feedstock Production

Surprising Oil Content Results

An efficient and sustainable production of feedstock is a growing challenge to the entire Bio-Fuel industry due to the ever increasing cost of conventional fertilizers, which are produced from oil and natural gas resources.

Traditional farming methods are known to deplete soil fertility, which annually increases the required need in such chemical fertilizers just to maintain previous year's crop yields.



MicroSoil[®] Proactive Sustainable Green Agriculture

Utilizing sustainable farming methods along with strict fertilizer management achieves optimum crop yields, while reducing costs of enriching arable soils MicroSoil[®] was developed and introduced in the USA in 1996, MicroSoil[®] has since then again and again proven to be an outstanding input in all kinds of agriculture aspiring for high financial and environmental goals.

Throughout modern history, this has never before been more important. This is why we are very proud to be able to present our cost saving and at the same time yield increasing Proactive Sustainable Green Agriculture - Alternative.

What is MicroSoil[®]

MicroSoil[®] is a nitrogen fixing, microbial formulation combined with natural enzymes, polysaccharides and polypeptides. Its intended use is to assist in the growth of nitrogen fixing microorganisms and beneficial "native soil microorganisms," to enhance and optimize the decomposition and building process of animal and plant residues and organic matter in the soil. It is totally natural, safe and non-toxic. MicroSoil[®] is not a fertilizer or a replacement for a fertilizer or any soil element, macronutrient or micronutrient. It is a microbial, non-plant food product, and is extremely effective when used with small amounts of organic and/or inorganic fertilizers in a soil with adequate amounts of macronutrients and micronutrients.



Normal Results When Using MicroSoil

- Increased quality and quantity of yield – up to 30%
- Accelerated blooming – maturation
- 50% to 75% reduction in the use of chemical fertilizers
- Increased organic matter
- Helps to balance the pH factor of the soil
- Optimizes maturation
- Reduces chemical fertilizer costs 25% to 50%



Curas Seeds Internet Photo

MicroSoil and Jatropha

Recent studies conducted while cultivating *Jatropha Curcas* in Mexico during the fall 2007 and spring 2008 shows that *Jatropha* as all other plants respond very positively to MicroSoil®, the growers report that crops are growing greener and thicker, oil content is increased from a normal 35% to 55-60% (increase 65-70%)

Everybody can use MicroSoil®

The name “MicroSoil®” denotes exactly what MicroSoil® is and does. The soil microorganisms whose primary function is to decompose and change organic materials into inorganic substances; thereby, providing plants with the ideal nutrients and environment for optimum plant growth and health. Well-known universities and prominent agricultural agencies around the world have tested MicroSoil® on a wide variety of crops, all with very positive results. It doesn't matter what part of the world you are in or what crop you are planting, MicroSoil® will benefit and complement your efforts to increase crop yields and at the same time lower fertilization costs.

Let us analyze your soil; and be a part of a winning team

Working with farmers all over the world we have developed a program that includes soil-sampling and analyze followed by a detailed application protocol incorporating of course the use of MicroSoil. If also you are interested in improved production with greater financial and crop yields, contact us today, with a short presentation of your farming situation.

“Clean/Green” Environmental Technologies

Industrial Synergistic Catalyst Systems, was established to pull together very specific products, technologies and key companies with highly talented field experienced people to support each respective product and technology in the noted targeted industries.

LOW TECH – HIGH PERFORMANCE

Highly specialized technologies and unique natural products that when used individually or together, create Super Synergist Catalytic reactions which greatly enhance the dynamics of nature's processes and rhythms, thereby, increasing the efficiency of any type of equipment or application.



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To whom it may concern,

The attached test results for Jatropha were established by Mark Avilla and conducted by Pedro Araujo Garcia in the Country of Mexico.

Soil samples were taken and sent to A & L Labs in Memphis, Tennessee for evaluation. These test results were then sent to Biomasters, Inc. for our recommendations for application. MicroSoil® was applied in accord with our protocol on August 2, 2007.
(See page 5)

Though this informal test would not qualify as a valid test to most people, the participants were thrilled with their results and observations.

The following are verbal comments and claims about the tests using MicroSoil® from Mark Avilla.

1. Crop was greener, thicker and taller
2. Where MicroSoil® was used they had 3 times as many blossoms and berries.
3. Normal oil content in Jatropha is about 30% - 35%, however, where MicroSoil was used they realized oil content of 55% – 60%. **This is an increase of about 80%, which is substantial.**
4. Though they tested only one hector of trees, that hector of trees came into maturity 18 months earlier and again yielded a higher oil content.
5. They had people from Mexico, Spain and Brazil come to see the test results to confirm what they had been told about increased Jatropha production.
6. Though they did not do a control clone, they did compare it to the adjacent Jatropha crop. Clones 1, 2, 3, & 4 were all treated with MicroSoil® via different watering methods.

We don't challenge these results, as there in direct line with results that we normally get when MicroSoil® is used in accord with our protocols.

Comments attested to by: Don D. Haller
President/CEO

JATROPHA TOTAL HARVEST.

FIRST HARVEST DECEMBER 18,2007, AND JANUARY 6, 2008
MEASUREMENTS 2x2, WATERING DRIP SYSTEM (LPS).

SEEDS WITH SHELL				
CLONES	1	2	3	4
Measurement 2x2	200 Kg.	209 Kg.	170 Kg.	215 Kg.
Type of marking 3x3	160 Kg.	188 Kg.	198 Kg.	60 Kg.
Total	360 Kg.	397 Kg.	368 Kg.	275 Kg.

TOTAL DRIP WATERING HARVEST= 1 400 Kg.

GRAVITY WATERING SYSTEM HARVEST				
CLONES	1	2	3	4
	83 Kg.	90 Kg.	64 Kg.	48 Kg.

TOTAL GRAVITY WATERING HARVEST TOTAL = 285 Kg.

TEMPORAL (NATURAL) WATERING HARVEST				
CLONES	1	2	3	4
	13 Kg.	14 Kg.	16 Kg.	29 Kg.

TOTAL TEMPORAL HARVEST = 72 Kg.

YIELDING PER HECTARE IN DRIP SYSTEM 2x2.

JATROPHA SEED AND SHELL	
CLONE 1	1 277 Kg/ha
CLONE 2	1 457 Kg/ha
CLONE 3	2 195 Kg/ha
CLONE 4	1 500 Kg/ha

JATROPHA CLEAN SEED 2x2 DRIP SYSTEM.	
CLONE 1	490 Kg/ha
CLONE 2	505 Kg/ha
CLONE 3	570 Kg/ha
CLONE 4	541 Kg/ha

SEEDS TOTAL PER KILOGRAM.	
Drip watering system seeds	1 Kg contains 1 692 seeds
Gravity watering system seeds	1 Kg contains 1 760 seeds
Temporal (natural) watering seeds	1 Kg contiene 1842 semillas
Seed measurements	17-20 mm. Long - 10-12mm. Wide

To plant an hectare of each one of the clones on a temporal system we would obtain a Harvest in a 2x2 measurement.

CLONE	1	663 Kg/ha.
CLONE	2	714 Kg/ha.
CLONE	3	808 Kg/ha.
CLONE	4	1 464 Kg/ha.

NOTA: Clone 4 was the one to obtain a greatest yield, this clone is located at the ending area of the plantation, and its separated from Clone 3 by 2 meters, and to the other side there is no cultivation, it receives the wind and solar light quite directly and the plant develops better.

KILOGRAM PER PLANT				
CLONES	1	2	3	4
Measurement 2x2	5 Kg.	6 Kg.	9 Kg.	7 Kg.
Type of markings 3x3	6.5 Kg.	7.5 Kg.	7 Kg.	6 Kg.
Gravity 3x3	8 Kg.	9 Kg.	6.5 Kg.	8.5 Kg.

Temporal (natural)	2.70 Kg.	2.80 Kg.	3.20 Kg.	5.90 Kg.
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TOTAL ACCUMULATED HARVEST OF CLONES 1, 2, 3 & 4, 1 750 Kg.

At your disposition

PEDRO ARAUJO GARCIA.



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August 2, 2007

JATROPHA CURCAS PROTOCOL A&L LABS REPORT # 26912 - #26914

OBSERVATION:

Jatropha grows primarily in poor soils therefore very little needs to be recommended for these two soil analysis.

- A. Top 30CM soils are much better than 30-60CM, they are similar though.
- B. For protocol we will deal only with the 30CM test
- C. Soils are low in OM
- D. Soil tests indicate a pretty good soil, a little alkaline, but if you increase your carbon and along with the MicroSoil® this should increase in the first year.

RECOMMENDATIONS:

1. Basically all you need to do is to continue applying your current amount of NPK (15-15-15). In addition, mix MicroSoil® at 1 part (liter) to 100 parts (liters) water and apply at a rate of 100 liters per ha.
2. **Option:** *to increase carbon rapidly:* mix 10 (liters) of molasses into 500 (liters) of water and then mix 1 (liter) of MicroSoil® into this dilution, agitate thoroughly then broadcast over 1 hectare.
3. All chemicals can be mixed into MicroSoil® and/or molasses dilution and applied at same time.
4. Apply chemical fertilizer and MicroSoil® one week prior to planting and anytime you add nitrogen you need to add MicroSoil® at same time.

If farmer/owner can provide me with plant nutrients of up take requirements, I can be more specific.

To my knowledge we have never used MicroSoil® on this particular crop so we would be interested to hear of your results.



A&L Analytical Laboratories, Inc.

2790 Whitten Rd. Memphis TN 38133 (901) 213-2400 Fax (901) 213-2440

SOIL ANALYSIS

Client : Biomasters, Inc 4894 West Lone Mountain Road Las Vegas NV 89130	Grower : MARK AVILLA Date Received : 07/13/2007	Report No: 07-194-0638 Cust No: 01893 Date Printed: 07/16/2007 Page : 1 of 3
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Lab Number : 26912

Field Id : CAMPO EXPERIMENTAL

Sample Id : SINPRODAD0-30CM

Test	Results	SOIL TEST RATINGS					Calculated Cation Exchange Capacity
		Very Low	Low	Medium	Optimum	Very High	
Soil pH	7.2						18.5 meq/100g
Buffer pH							
Phosphorus (P)	64 LB/ACRE						Calculated Cation Saturation %K 2.1 %Ca 79.9 %Mg 17.2 %H 0.0 %Na 1.0
Potassium (K)	330 LB/ACRE						
Calcium (Ca)	7482 LB/ACRE						
Magnesium (Mg)	830 LB/ACRE						
Sulfur (S)	34 LB/ACRE						
Boron (B)	2.6 LB/ACRE						
Copper (Cu)	4.8 LB/ACRE						
Iron (Fe)	134 LB/ACRE						
Manganese (Mn)	498 LB/ACRE						
Zinc (Zn)	3.0 LB/ACRE						
Sodium (Na)	84 LB/ACRE						K : Mg Ratio 0.12
Soluble Salts							
Organic Matter	1.1 % ENR 66						
Nitrate Nitrogen							

SOIL FERTILITY GUIDELINES

Crop :

Rec Units:

(lbs)	LIME	(tons)	N	P ₂ O ₅	K ₂ O	Mg	S	B	Cu	Mn	Zn	Fe
Crop :												Rec Units:

Comments :



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SOIL ANALYSIS

Client : Biomasssters, Inc 4894 West Lone Mountain Road Las Vegas NV 89130	Grower : MARK AVILLA Date Received : 07/13/2007	Report No: 07-194-0638 Cust No: 01893 Date Printed: 07/16/2007 Page : 2 of 3
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Lab Number : 26914

Field Id : CAMPO EXPERIMENTAL

Sample Id : SINPRODAD30-60CM

Test	Results	SOIL TEST RATINGS					Calculated Cation Exchange Capacity
		Very Low	Low	Medium	Optimum	Very High	
Soil pH	7.3						19.0 meq/100g
Buffer pH							
Phosphorus (P)	26 LB/ACRE						Calculated Cation Saturation %K 1.6 %Ca 78.5 %Mg 19.0 %H 0.0 %Na 1.1
Potassium (K)	250 LB/ACRE						
Calcium (Ca)	7548 LB/ACRE						
Magnesium (Mg)	940 LB/ACRE						
Sulfur (S)	20 LB/ACRE						
Boron (B)	2.0 LB/ACRE						
Copper (Cu)	3.8 LB/ACRE						
Iron (Fe)	84 LB/ACRE						
Manganese (Mn)	394 LB/ACRE						
Zinc (Zn)	0.4 LB/ACRE						
Sodium (Na)	92 LB/ACRE						K : Mg Ratio 0.08
Soluble Salts							
Organic Matter	0.5 % ENR 53						
Nitrate Nitrogen							

SOIL FERTILITY GUIDELINES

Crop :

Rec Units:

(lbs)	LIME	(tons)	N	P ₂ O ₅	K ₂ O	Mg	S	B	Cu	Mn	Zn	Fe
Crop :												Rec Units:

Comments :