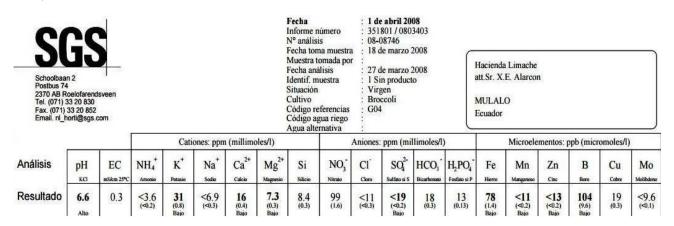
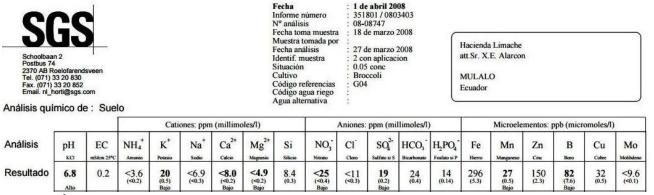
First Week, Farmers This is about tied up unusable nutrient.

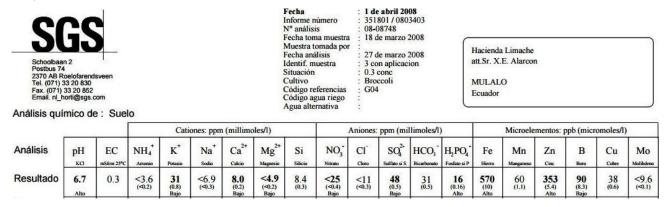
Pico-Ag 25B-F, Makes Fertilizer from your own soils Part 2 of 3! This first soil sample is untreated virgin soil. Look at where we started with the elements Fe 78, Mn 11 and Zn 13.



This 2nd soil sample is treated soil at 0.05% Pico Ag 25B-F. Look at increase at the elements Fe 296, Mn 27 and Zn 150. Great increase with 0.05%. Provided summary in a table of benefits after 3 trails.



This 3^{rd} soil sample is treated soil at 0.3% Pico Ag 25B-F. Increased elements Fe 570, Mn 60 and Zn 353.



This 4th soil sample is treated soil at 0.5% Pico Ag 25B-F. Increased elements Fe 1190, Mn 93 and Zn 510.

Análisis químico de : Suelo

Fecha Informe número Nº análisis Fecha toma muestra Muestra tomada por Fecha análisis Identif, muestra Cultivo Código referencias Código agua riego Agua alternativa

1 de abril 2008 351801 / 0803403 08-08749 18 de marzo 2008 27 de marzo 2008 3 con aplicacion Broccoli G04

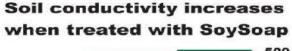
Hacienda Limache att.Sr. X.E. Alarcon MULALO Ecuador

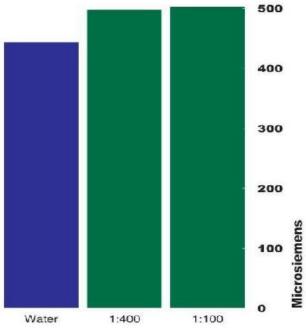
10			Cationes: ppm (millimoles/l)							Aniones	ppm (mi	llimoles/l	Microelementos: ppb (micromoles/l)						
Análisis	рН ксі	EC mS&m 25°C	NH ₄ ⁺	K ⁺	Na ⁺	Ca ²⁺	Mg ²⁺	Si Silicio	NO ₃	Cl.	SO ₄ ² -	HCO ₃	H ₂ PO ₄	Fe Hierro	Mn Manganeso	Zn Cinc	Boro	Cu	Mo Molibdeno
Resultado	6.8	0.2	3.6	20 (0.5) Bajo	<6.9 (<0.3)	<8.0 (<0.2) Bajo	<4.9 (<0.2) Bajo	5.6	<25 (<0.4) Bajo	<11 (<0.3)	<19 (<0.2) Bajo	37	16 (0.17) Alto	1190 (21) Alto	93	510 (7.8) Alto	78 (7.2) Bajo	38 (0.6)	<9.6 (<0.1)

Trail summary is we had 4 pots of dirt and tested it at different see dilutions. And here are the final results. Results is the Pico Ag 25B-F converted tied up minerals to available to plant nutrition. Unheard of, Not with Picotechnology and these minerals could of been in the soils for 20 years. Farmer might not to add any fertilizer if at all for years!

	CORRE	AHOP	OFIR	ACE EL	EMENI	AVAI	LABILII	YWII	H KIZIN	IG LEV	ELS OF	-2042	OAP 1	APPLI	EDIOS	SOIL SA	MPL
	PH	EC	NH4	К	Na	Ca	Mg	Si	ИОЗ	CI	\$04	нсоз	H2PO4	Fe	Mn	Zn	В
No Soysoap	6.6	0.3	-3.6	31	-6.9	16	7.3	8.4	99	-11	-19	18	13	78	11	13	104
0.05 SoySoap	6.8	0.2	-3.6	20	-6.9	-8	-4.9	8.4	-25	-11	19	24	14	296	27	150	82
0.3 SoySoap	6.7	0.3	-3.6	31	-6.9	8	-4.9	8.4	-25	-11	48	31	16	570	60	353	90
0.5 SoySoap	6.8	0.2	3.6	20	-6.9	-8	-4.9	5.6	-25	-11	-19	37	16	1190	93	510	78
Experimental pr	ocedure:	Thre	e diluti	ons of	SoySoa	ap wer	e used	to mo	oisten s	ample	s of ric	h And	ean soi	l. The	sampl	es wer	e sen
for analysis of m	ajorand	minor	eleme	nts. Re	esults a	re sun	nmarize	ed abo	ove. The	e soil e	extract	ion sol	lution d	letecte	ed succ	essivel	у
higher levels of	available	Iron,	mangai	nese a	nd cop	peras	the pe	rcenta	ge of S	oysoa	p in th	e wate	er rose.				
Fe Increase with	Soysoap	Addit	ion: O.	05 = 3	79%, .3	=644	%, .5 =	1525%	6								
Mn Increase wit	h Soysoa _l	p Addi	tion: O	.05 = 2	245%, .:	3 = 545	5%, .5 =	845%									
Zn Increase with	Covenan	Δddit	ion: A A	5 = 11	53% 3	3 = 272	5% 5	= 3923	96								

Pico Ag 25B increase the MicoSeimens in Soil, AMS and Urea. 10% to 20%. The higher the Ms the easier plants grow and it solves the translocation issue of Ag Chemicals and Production.





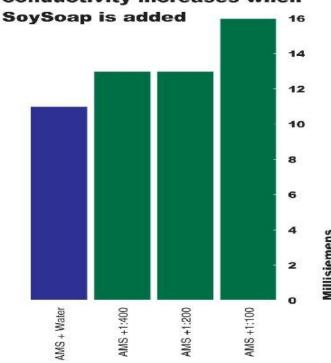
Electrical conductivity of soil rises about 10% when a soil sample is moistened with SoySoap

This test attempted to simulate soil electrical conductivity response to infurrow treatment of SoySoap solution alone. In general, higher EC enables more active nutrient transfer from soil to crops.

60 milliliters of test solution were added to 500 grams of moist topsoil in a Ziplock bag. Soil was mixed, then stored 12 hours to become uniform in moisture by capillary action. Soil treated with either a 1:100 or 1:400 ratio of SoySoap in water averaged about 10% higher in electrical conductivity than soil moistened with distilled water.

Test was done with an ECTestr 11+ with stainless steel probe.

Ammonium sulfate solution conductivity increases when



Electrical conductivity of ammonium sulfate solution rises when SoySoap is added in the "tank mix."

This test measured change in electrical conductivity of an ammonium sulfate solution. Stock solution was 1 kilo of bulk ammonium sulfate (21-0-0) dissolved in 3.8 liters of distilled water. 30 milliliters of this stock solution was used for each test.

The control was 30 ml. of stock solution plus 30 ml. of distilled water, resulting in a conductivity of 11.4 millisiemens. Each of the three other tests added 30 ml. of a successively higher concentration of SoySoap to 30 ml. of stock AMS solution. Response was succesively higher conductivity, with a maximum 28% rise with a 1:100 solution of SoySoap.

Test was done with an ECTestr 11+ with stainless steel probe.

PicoAg 25B-F 50% Less Fertilizer produced more Bio-Fuels

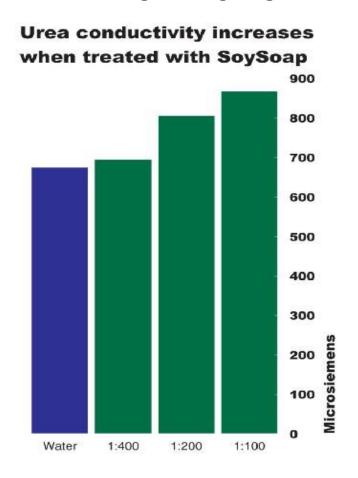
Two Ag Journal Reviewed with Peers proved that 50% less Fertilizer and PicoAg 25B-F increase Bio Fuel production thanks to Lead PhD Ramesh Ravella Soil Expert..

http://www.biobased.us/Sweet-Sorghum-Biofuel-Feedstock.pdf http://www.biobased.us/Canola-Material-Analyses-of-Two-of-Two-Cultivars.pdf

PicoAg 25B-F can be a water wetter by dropping the dynes to 30.

Note: The action of Soysoap is purely physical, dropping the surface tension of <u>water from about 72 dynes down to around 30</u>. This increases the solubility of water, makes it easier to pump, and even appears to increase the ability of water to hold fine particulates in suspension.

In 2005, I didn't understand the significant of what PicoAg 25B had achieved, He told me I had found the "Missing Link" of getting Fertilizers into Plants.



Electrical conductivity of urea solution rises when SoySoap is added in the "tank mix."

This test measured change in electrical conductivity of a urea solution. Stock solution was 1 kilo of prilled urea (46-0-0) dissolved in 3.8 liters of distilled water. 30 milliliters of this stock solution was used for each test.

The control was 30 ml. of stock solution plus 30 ml. of distilled water, resulting in a conductivity of 676 microsiemens. Each of the three other tests added 30 ml. of a successively higher concentration of SoySoap to 30 ml. of stock solution. Response was successively higher conductivity, with a maximum 28% rise with a 1:100 solution of SoySoap.

Test was done with an ECTestr 11+ with stainless steel probe.

The SFI Soil Food Web test are the facts that PicoAg is "Clear Winner" in raising Brix/Sugar levels, Increasing Carbon Dioxide Consumption and Electrical Conductivity (EC)(Microsiemens).

PicoAg 25B topped all tested products with an average of 12.8 Brix and that is 33% higher than the control. This highlights how the products works at about the atom level and can work with all plants living cells as they are electromagnetic.

To work atomically you can use Picotechnology it (obsoletes Nanotechnology & Graphene) they are to big, you need an about atom size particle. SFI Soil Food Web said Sap EC (mS/cd) average was increased by 17% or 1.9 (mS/cd) Electrical Conductivity (Microsiemens) vs control.

SFI Soil Food Web proclaimed that PicoAg 25B helps increase Carbon Dioxide consumption by 33% over the control, i.e., more money to the farmer. Now you need to deal with your soils remediation for chelated immobilized fertilizers and other nutrients which we can help you with before you plant!

PicoAg 25B on Soybeans increased Brix levels from 11 to 17 or 54% in 3 hours.

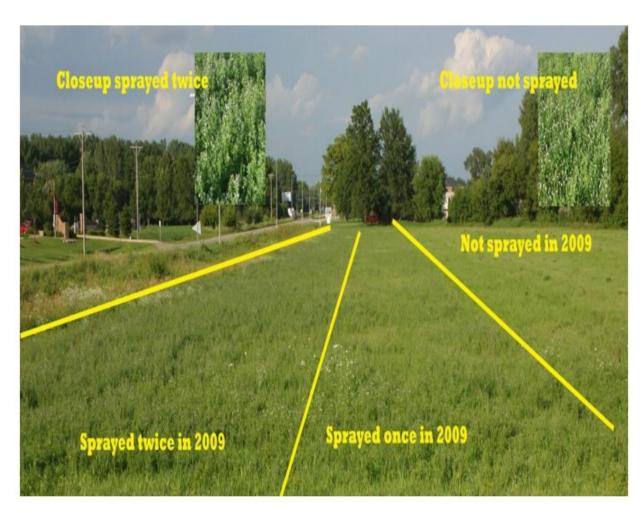
9-3-2008 11:55 am: The Brix levels at spraying on both plots were 11, 2.35PM Test again the temperature was 84 degrees and sunny day. 3 Hours later: 2.35 PM, Brix after spraying PicoAg 25B on Soybeans, and not spraying PicoAg 25B on Soybeans. After just 3 hours of spraying PicoAg 25B, Soybean Brix with Pico Ag 25B 17, Soybean Brix without PicoAg 25B 12. Comment: PicoAg 25B Soybeans increased Brix levels from 11 to 17 or 54%. Physiologically the Soybean sugar factory had reacted to the PicoAg 25B with a 54% increasing in Brix, which eventually would lead us to the accidentally develop our frost protection product. The untreated soybean increased Brix only 10% which could just be attributed to natural photosynthesis process during the day as it was a sunny day.

Germination Test Used as Seed Wash, Germ Test 85% Untreated to 98% Treated! Farmers have been using the PicoAg 25B to wash there seeds for 2 reasons for 15 years. To jump start the seeds and if not planted within a few days will start spouting 3 days. The results when the germ tests are run can vary from 85% untreated to as high as 98%. Who wants to waste potentially 15% of there seeds at todays prices!

Soysoap Benefited in 2010 When applied in 2009

Photo 1 2009: The figures that our "oats experiment" from last season (two applications of Soysoap on oats underseeded with alfalfa) is the only rationale for the fact that this 2010 spring, the alfalfa came on especially strong right to the line where we sprayed in 2009. I would have suspected just the opposite, as the oats were taken off the entire rest of the field for hay, and we kept the oats until July for harvest where I had sprayed. Between the yellow lines is the sprayed area. Another healthy area that I sprayed is along the south fence; that has good alfalfa too.

2009



2010

Photo 2 2010: No Soysoap was added in 2010. This is the patch of alfalfa in 2010. Last year 2009 when John Abel seeded oats and alfalfa, I sprayed the oats as a test with Soysoap. Got a modest 8% increase in the oats. However, the interesting result is this year 2010. The thickest alfalfa in 2010 is along the north side, near University Avenue, where I sprayed SoySoap in 2009. It shows up clearest in the 40-ft. band which I sprayed twice. There's also another good band not pictured of alfalfa along the south fence, which I sprayed with Soysoap. What happened was the chelated fertilizers were released by the Soysoap electroconductivity process. The farmer was able to grow the 2010 Alfalfa with 2009 and before fertilizer!



Here are some opinions of what might just happening!

- 1). Dr. 1 Yesterday I went over to see to discuss the apparent "fracturing" of certain micronutrients in soils when successively higher concentrations of the soap are added before a soil test. Bert says that somehow, the product must be releasing metal ions from their attachment sites.
- Dr. 2 I showed him the four andrean soil analyses from SGS Europe. He immediately asked, "What's breaking the micros loose? Very, very interesting! Yup, and your calcium is going down. That has to happen if you free up these other elements. You gotta add calcium."
- 3). Dr. 3 One possible protocol for determining effect of Soysoap 1 on trace elements in water at near-normal field rates.

Hypothesis: SoySoap blended in a water solution with chelated trace elements increases availability of those traces to crops when foliar-applied on crops.

Experiment: Create a stock solution of a widely used trace element mix in ratio with water which would be close to a normal rate per acre when normally applied. Proposed material: Metalosate Crop-up at the rate of 14 dry grams per acre.

Assuming 10 gal. of water per acre, the stock solution of 1 gallon (3,785 milliliters) would be blended with 40 grams of dry soluble Metalosate Crop-up. Analysis of this material is 1.5% Mg, 0.75 Cu, 0.75 Fe, 7.5% Mn, 3.75% Zn.

Using this base solution as a control, save three separate 1/4 gal. samples of the base solution and add WakeUP 1 in three separate, increasing concentrations

Test solution 1: Add 0.125 ounce (3.7 milliliters) to 1 quart of stock solution to create a 1:256 ratio, which would deliver 5 ounces per acre in field use.

Test solution 2: Add 0.250 ounce (7.4 milliliters) to 1 quart of stock solution to create a 1:128 ratio, which would deliver 10 ounces per acre in field use.

Test solution 3: Add 0.500 ounce (14.8 milliliters) to 1 quart of stock solution to create a 1:64 ratio, which would deliver 20 ounces per acre in field use.

Send 16-ounce samples of each solution to Midwest Labs for mineral analysis of liquid solution. International Ag Labs has a maximum detectable level of 10,000 ppm. Midwest Ag Labs uses an ICP test procedure on liquids which could handle higher levels.

Planting rule is the more carbon on the seed the quicker it will sprout. When do you want to start growing root mass that is? Dont sell heavy test weight seeds unless you have too! Start controlling fungi and bacteria in the ground ASAP!

Dr. Carey Reams: Now the next rule is the more carbon in the seed the quicker it will sprout. He covered that in the this morning some aspects of that, that's another thing is what is a method of measuring the carbon in the seed so that you know. Size, does size necessarily have any correlation with the carbon content? It can and it cannot. The weight, that'll be one of the simplest known ways to check for essentially carbon content and especially this is the weight, this is the test weight. Now to give you some ranges in test weight as that I've have had some personal experience with is that I've had some that I have 62 pound test weight, which is this is pretty good.

Now, I think the mistake that was made there is the guy should have purchased half the seed rather than worry about the commercial hybrids and the hybrid seeds this I think I would think that would be an excellent thing to use especially with that test weight. Had oats, well, I know over 42 pounds the bushel when they accepted one at the 32. She has some where around that weight range 41.

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