

# Press Release

## Biofeed® Solutions, Inc. Provides Liquid Products That Fix Carbon and Convert Nitrate to Organic Nitrogen in the Soil.

GLENDALE, Arizona, Oct. 25, 2021 – Everyone keeps talking about it and the world is making documentaries about it. Meanwhile, an Arizona company is manufacturing a liquid bio-dynamic soil additive that fixes carbon into the soil while it converts water-soluble nitrate nitrogen into organic nitrogen.

Yes, it is more than possible, in fact it is happening now says Mr. Dan Lee President of Biofeed® Solutions, Inc. located in Glendale Arizona. “It is possible to add our Soil-Plus® to the soil and measure the increased carbon and organic nitrogen.” Mr. Lee, who has been operating Biofeed® for over 35 years, has had soil tests done at a reputable laboratory and was very excited about the results. Mr. Lee adds, “We have been selling this product for decades and just didn’t know everything that it was doing in the soil. We regularly lab test the soil for soluble nutrients but unless you have specific tests performed you do not fully know what is happening beneath your feet. We know the product was increasing nutrient availability and water holding capacity, however, we were unaware what else our product was doing and when we got the results back from Motzz Laboratories we went crazy with excitement.”

Mr. Lee has manufactured and sold a variety of liquid products within the Landscape, Golf, and Professional Turf industries for nearly 35 years. Over the last decade, Biofeed® has been serving the Agriculture and Dairy markets in Arizona, the USA, and Europe.

One Biofeed® distributor that is responsible for over 100,000 acres of commercial agriculture said, “We have hundreds of customers that grow many crops and grasses such as Olives, Kale, Strawberries, Tomatoes, Fruits, and Nuts using SOIL-PLUS®, CARBOMAX™, CHETROL™, CROP™, and REBOUND™ through spray applications and irrigation systems. In every case the lines remain clean of sodium and mineral build-up and the soil is noticeably softer. With Biofeed® fertilizers, application rates are reduced, saving commercial growers time and money. Most importantly, increased crop yield, crop quality and extended shelf life are the results.”

### **Biofeed® Products Are Not Humate-Based**

There are a variety of products in the market. Those products which are humate-based, contain carbon from leonardite and the carbon is instilled directly into the soil as a substitute for natural organic matter. However, Biofeed® products simply do not contain that kind of chemistry. Biofeed® products are based on our proprietary Amino-Cell Technology© (ACT) that energizes the living soil systems to naturally increase organic matter and support the complete soil microbiome cycle. It is this process that it affects natural carbon fixation and nitrogen (NOX) conversion. Amino-Cell Technology© (ACT) is exclusively contained in Biofeed® products.

### **Help Reverse Climate Change**

From the moment Mr. Lee saw the results he knew that his Biofeed® products were an answer the world is looking for to help reverse problems resulting from Climate Change (aka Global Warming). Climate Change is real and effects global temperatures while allowing UV rays to penetrate the atmosphere. For over 25 years, excessive UV rays have been damaging crops, like citrus, by burning the fruit with its powerful rays as well as damaging a full array of crops from the equator outward.

In Arizona, this has contributed to the expansion of the growing zones and has caused the heat that normally only went as far as 8-10 miles north of Phoenix to now reach above Prescott Arizona, about 100 miles further north.

**Soil-Plus® Fertility Study from Motzz Laboratory**

As seen in this soil test, the soil CO<sub>2</sub> has increased by over 2,300% and the Nitrate is reduced to organic nitrogen following application of Soil-Plus®. This process allows the soil to function – as naturally designed – to convert these two major elements. Without such results the applied nitrogen would remain in the nitrate form and contribute to contamination of ground water.

Biofeed Solutions, Inc. PO Box 3434 Glendale, AZ 85311 Lab Number: • 938857-1 (Soil A Treated) • 938857-2 (Soil B Untreated)				Project: Soil Health Date Received: 9/27/2021 Date Reported: 10/4/2021 PO Number: Soil Health	
<b>SOIL HEALTH ASSAY</b>					
		<i>TREATED WITH BIOFEED®</i>		<i>UNTREATED</i>	
TEST	METHOD	RESULT	UNITS	RESULT	UNITS
Solvita CO2 Burst	Solvita: CO2	108	ppm	6	ppm
Nitrate-N, NO <sub>3</sub> -N	Cd-Reduction	2	ppm	98	ppm
Available Nitrate-N	Cd-Reduction	4	lbs/ac	196	lbs/ac
Microbial Biomass	Solvita PMN Calc	2400	ppm	*	ppm
Potentially Mineralized N (PMN)	Solvita PMN Calc	49	lbs/ac	*	lbs/ac
Total Usable N	Solvita PMN Calc	50	lbs/ac	*	lbs/ac
<b>SOIL: ORGANIC MATTER</b>					
		<i>TREATED WITH BIOFEED®</i>		<i>UNTREATED</i>	
TEST	METHOD	RESULT	UNITS	RESULT	UNITS
Organic Matter (LOI)	Loss on Ignition	4.1	%	2.4	%
* Values less than 20 ppm in soil for CO <sub>2</sub> Burst are not recognized as useful for PMN Predictions.					

## **Farmers Can Profit from Carbon Credits**

Finally, there is a way to “FIX” CO<sub>2</sub> into the soil and the future of farming is looking brighter as a result. Since the discovery of climate change, scientists have talked a lot about Carbon Credits. Carbon Credits and Carbon Footprint are both becoming a matter of concern to many farmers. The rate at which Biofeed® products can fix the carbon dioxide hovering over a farm is promising and exciting.

Ask any farmer and he will say that monitoring carbon emissions is increasing in importance. Fewer than allowed and the Farmer can sell those carbon credits. Carbon in the soil vs. the atmosphere is a very good thing.

Now a farmer can produce a crop and instead of contributing to atmospheric CO<sub>2</sub>, the farmer can reduce it because of the enhanced rate of fixation of CO<sub>2</sub> into the soil. Also, farmers do not have to worry about losing applied nitrogen to leaching because of the conversion of nitrogen into the soil. Converted nitrogen adds to the fertility of the soil and the farmer can reap the benefits.

These benefits are more evident in No-till to Low-till farming practices, but they are also evident in soils using tillage. Either way, the fixation of CO<sub>2</sub> and Nitrate Conversion are bio-chemically stimulated, and this process occurs faster than the rate of decomposition of either. It seems that during the process of tilling, the soil does tend to release CO<sub>2</sub> to the atmosphere.

## **The Near Future of Carbon Credits**

When speaking to an Executive for one of the largest ethanol producing companies in the USA, Mr. Lee was told, “The day is coming that a farmer will be able to cash in on his Carbon Credits and I see that day coming very soon”. In the meantime, farmers would see increased crop production and greater profits with Biofeed® products containing ACT®.

## **About Biofeed® Solutions, Inc.**

Biofeed® Solutions, Inc. brings over three decades of product research and development to provide farmers with the most advanced bio-products available. These non-toxic products are formulated to condition and build healthier soil, while supplying nutrients in a liquid, plant available form. This means that fewer wasted nutrients. At Biofeed®, we focus on the long-range needs of soils, crops, and our environment with sustainability as our goal. The result is more balanced, natural environment for beneficial biology’s to flourish.

### **Contact:**

**Dan Lee**

**President/CEO**

**Email: [dan@biofeed.com](mailto:dan@biofeed.com)**

**(623) 930-7510 - office**

**Steve Testut**

**Manufacturing Representative | Agriculture**

**Email: [steve.testut@biofeed.com](mailto:steve.testut@biofeed.com)**

**(615) 429-5043 - mobile**