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EarthRenew Reports up to 40% Increase in Crop Yields

FRESNO, Calif.--([BUSINESS WIRE](#))--Early stage research field trials conducted by the University of Arizona's Maricopa County and Yuma County Cooperative Extension, have demonstrated that organic farmers using EarthRenew Organic Matter in a Granule® products can achieve substantially higher yields than farmers using conventional chemical fertilizer applications, the company announced here today.

With one pre-plant application of EarthRenew patented products, the Arizona research trials conducted in late 2008, showed approximately a 40% higher yield in carrot production and 15% to 28% higher yields in spinach production, compared to two applications of conventional chemical applications.

EarthRenew (www.earthrenew.com) funded this third party research.

The private company's patented products have uniquely over 50% concentrated organic matter. EarthRenew products had 40% less nitrogen and 68% less phosphorus applied per acre than the conventional chemical fertilizers and its concentrated organic matter products hold plant nutrients within the plant root zone throughout the growing season, and are believed to increase the plant nutrient uptake.

"We are very encouraged by these early results," said Christianne Carin, founder and chief executive. "EarthRenew's patented products offer organic farmers for the first time a clear economic advantage over conventional growing practices. Our products offer a clear value proposition: higher yields, productivity, and net returns."

EarthRenew has developed patented products with concentrated organic matter and nutrients in dense pellets, granules and prills. These products utilize fresh manure, without additives, that are cooked at temperatures exceeding 600 degrees Fahrenheit using the company's patented heat processing technologies. The heat process renders nonviable weed seeds and pathogens (i.e. *E. coli*, *Salmonella*).

EarthRenew's product, Organic Matter in a Granule®, is approved for unrestricted application in organic agriculture under the Washington State Department of Agriculture (WSDA) Organic Food Program for use in certified organic food production and it comports with the United States Department of Agriculture's National Organic Program requirements and as such provides approval equivalency in most other states.

"We believe that these results are attributable to the high concentration of organic matter in the product," added Dr. Al Fedkenheuer, the company's president. "Further third party research projects in western North America are ongoing and are expected to achieve similar results in other crops."

About EarthRenew

EarthRenew (www.earthrenew.com) has developed, patented and implemented revolutionary clean technologies, which utilize direct heat from an industrial turbine in a cooking process, replacing typically used fuel burners. The initial commercialization of these technologies involves the manufacture of a new class of proprietary concentrated organic matter fertilizers which contain high concentrations of organic matter bundled with organic, slow release nutrients in a pellet, prill or granular form that provide an economic advantage for all our customers including organic and conventional farmers, as well as those in care of turf and

land repair.

About the University of Arizona

The University of Arizona, Maricopa County and Yuma County Cooperative Extension's Research and Extension programs are integrated in the scholarship of discovery, integration and application and are the outreach arm of the university's college of agriculture and life sciences in Tucson. The Field Crops Program covers a wide variety of crops including, but not limited to, cotton, alfalfa, wheat, sorghum, corn silage, barley and a variety of vegetables. Production questions come from farmers, Pest Control Advisors, industry representatives and the public. Additional information may be found at www.ag.arizona.edu/maricopa.

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