

Press Release Archives: 09/27/2005

## **Itronics GOLD'n GRO Liquid Fertilizer Produces Significant Increase in Output of Green Peppers, a \$500 Million Crop Nationwide**

RENO, Nevada, Sept. 27 /PRNewswire-FirstCall/ -- Itronics Inc. (OTC Bulletin Board: ITRO; Frankfurt and Berlin Stock Exchanges: ITG) reported today that its subsidiary, Itronics Metallurgical, Inc. obtained positive results from two GOLD'n GRO fertilizer field trials on green peppers in California. One field trial produced a 25 percent increase in the number of peppers per plant and improved uniformity of the peppers. The second trial produced a 16 percent increase in measured yield.

"These results continue to show the improvements that result from the use of the GOLD'n GRO chelated liquid micronutrient and specialty fertilizers," said Dr. John Whitney, Itronics President.

The tests were conducted on two fields at different grower locations on the California coast, the first in the San Luis Obispo area, and the second in the Salinas area. The trial in the San Luis Obispo area used a foliar spray of GOLD'n GRO 8-8-8+4%S and the other trial used GOLD'n GRO 4-0-9+6.6S base liquid plus GOLD'n GRO 9-0-2+3%Zn microblend at a 4 to 1 rate. In the first trial the GOLD'n GRO was spray applied on a portion of a field fertilized with the grower's normal fertilization program. In the second trial three GOLD'n GRO applications were made through the drip irrigation to one half of the field. The other half of the field was fertilized with the grower's normal fertilization program.

"The economics of using GOLD'n GRO are attractive," Dr. Whitney said. "The per acre increase in crop value in the San Luis Obispo field trial was about 70 times the cost of the fertilizer. In the Salinas field trial the per acre increase in crop value was about 50 times the cost of the fertilizer. The second trial was on a field that had rocky clay soil and is a demonstration of our new 4 plus 1 program, which uses the GOLD'n GRO 4-0-9 + 6.6S Base Liquid to improve the availability of mineral nutrients to the crop."

California is one of the largest producers of fresh green peppers, with about 25,000 acres in production. Nationally, there are approximately 65,000 acres of green peppers and the value of the crop exceeds \$500 million, or \$7,700 per acre, according to the U.S. Department of Agriculture.

### About Itronics

Itronics, through its subsidiary, Itronics Metallurgical, Inc., is the only company in the world with a "Beneficial Use Photochemical, Silver, and Water Recycling" facility that extracts more than 99 percent of the silver and virtually all the other toxic heavy metals from used photoliquids and converts the resulting liquids into environmentally beneficial, chelated liquid micronutrient and specialty fertilizers sold under the GOLD'n GRO trademark, and 5 troy ounce, 0.999 pure, Silver Nevada Miner numismatic bars. The environmentally friendly liquid fertilizers can be used for lawns and houseplants, and are available, along with GOLD'n GRO liquid fertilizer injectors, at the Company's "e-store" catalog at <http://goldngro.com>. The popular Silver Nevada Miner bars are available at the Company's "e-store" catalog at <http://www.itromet.com>.

Headquartered in Reno, Nevada, Itronics Inc. is a "Creative Environmental Technology" company and a world technology leader in photochemical recycling. The Company also provides project planning and technical services to the mining industry and operates the global Internet Information Portal, <http://www.insidemetals.com>. Dr. John Whitney, Itronics President, was selected as Nevada's Inventor of the Year for 2000 and is a member of the Inventor's Hall of Fame at the University of Nevada, Reno. Itronics was one of five finalists for the 2001 Kirkpatrick Chemical Engineering Award, the most prestigious worldwide award in chemical engineering technologies.

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Source: Itronics Inc.