

Application of Fulvic acid and its derivatives in the fields of agriculture and medicine

First Edition: June 1993

Preface and the first page of Chapter 1 (a brief summary)

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In 1975, researchers in the Department of Chemistry, Zhengzhou University, Henan Province, discovered a source of coal containing a high-density of fulvic acid. A great deal of work has since been carried out on the medical and agricultural applications of fulvic acid. It was discovered that fulvic acid has the ability to shrink the pore size of the wheat leaves, resulting in its ability to prepare the wheat crop in weathering the dry climate throughout the grain maturing stage. Scientists in China were able to formulate a simple and yet effective extraction procedure to produce fulvic acid commercially. Two known products are: (1) #1 anti-drought agent approved by the Henan provincial government in 1982 and (2) Handilong developed by researchers in Hami City, Xinjiang Province.

China is leading in the field of using the purified, water soluble, lower molecular weight fulvic acid, an ingredient of humic acid.

Research results have shown that fulvic acid has the following qualities:

In agricultural applications it:

- increases yields;
- prevents moisture evaporation;
- enhances the development of root systems;
- increases chlorophyll density;
- activates enzymatic activities;
- enhances the effect of pesticides.

In medical clinical applications it acts:

- as an anti-inflammatory agent;
- as a blood coagulating agent.

Robert Faust has been working with the Chinese Academy of Agricultural Sciences frost and drought remediation branch and has developed a superior U.S made fulvic acid product based on the 7 years of research done in China on fulvic acids. Faust BioAg has an agricultural fulvic and a medical fulvic (wujinsan) produced by a special confidential method. The product has been tested using the most advanced methods and bioassays. www.humateproducts.com

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