

Growing with Agriculture



Agricultural Application

In agriculture, the range of humic products includes dry granular products, liquid and powder products. Humic products are widely used as soil amendments and/or blended with fertilizers.

Granular products, made from mined ores, such as Leonardite or Oxidized Lignite, are effective if used as part of an overall agronomic program. Coated, pelletized or combined products that contain humic substances combined with other nutrients or inputs can be used as part of an overall program intended to improve soil structure, tilth, water-holding capacity and nutrient-holding capacity when applied to most agricultural soils.

Private sector research of granular, coated, prilled or combined Humic Products suggests that the potential for enhancing fertilizer efficiency and nutrient uptake are possible when the humic products are blended with dry fertilizers. Although more research is needed, the potential for improving crop quality and yield as well as helping to reduce environmentally-problematic effluent is very promising.

There has been extensive research on liquid Humic Products, such as liquid humic acids and liquid fulvic acids that are typically applied in the row, either with seed or during the growing season and as foliar treatments. Powders, either soluble or suspendable, have the same applications as liquid products. Liquids and suspendable powders are typically blended with other nutrient inputs for best effect.



Livestock Feed Application

The unique properties of humic substances allows them to be a useful and multifaceted ingredient in animal feeds. Farmers and researchers have been feeding and testing humic substances since the early 1930's. Containing both complex carbons and minerals, humic substances are added to animal feeds around the world as a trace mineral source, anti-caking agent, non-nutritive carrier, or pH adjuster. The HPTA is currently working with state and federal feed regulators to better understand these substances and how they can be used safely in animal feeds.

Join us in shaping our industry

We invite you to become a member of HPTA to help spread awareness of Humic Products and expand our global marketing opportunities. Much has been accomplished over the past few years, and your input and support as a Humic Products Trade Association member is most welcome and appreciated. Please feel free to visit with any of our current members for more information.

