

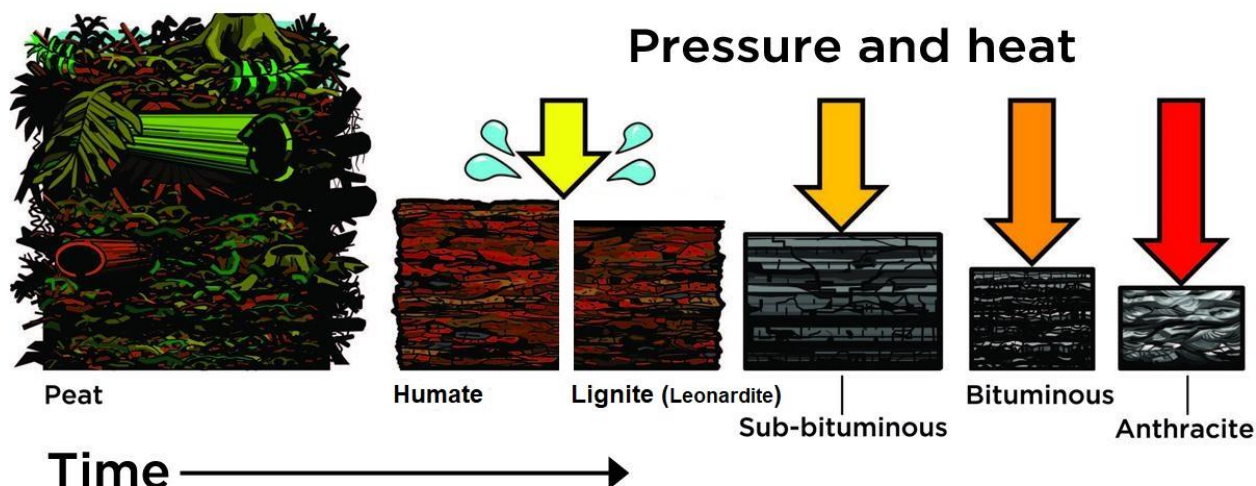
New Mex Humate, The 100% Organic Solution

What Is New-Mex Humate®? Humate is a mineral.

Between 65 to 100 million years ago the planet enjoyed optimum organic growing conditions. The vegetation was extremely lush and abundant, as is evidenced by ancient remains that geologists call humic deposits. These plants were super rich with nutrients and minerals because of the high oxygen content of the air. These super plants produced the abundant food in massive quantities capable of feeding the dinosaurs for millions of years. These power-packed vegetation crops and massive dinosaurs met their extinction and were covered by ash. Humate is formed from the biological and chemical breakdown of the prehistoric animal and plant life that decomposed back to the mineral rich soil. It produced tremendous amount of concentration of living bacteria which converted the organic matter over millions of years into a natural organic humus that is highly concentrated into a solid material and compressed into the humate mineral. There are three separate types of acid in (Humate). Humic, Fulvic and Ulmic. Humic acid is the chemical properties of humate. Humate is rich in trace minerals like calcium, iron, magnesium, selenium, phosphorus in trace amounts. Together, all of these compounds comprise "HUMATE." Humate mineral is the purest form of natural organic matter known to man and it is one of the most complex substances ever discovered. Humate is essential to life...for humans, animals and all the plants on this planet. These power-packed vegetation crops and massive dinosaurs decomposed for millions of years passing on their vitality of life to future generations through these ancient compost heaps. These decomposed bogs were compressed into Humate.

Organic matter Stages of hardness with heat and pressure.

1. **Peat**
2. **Humate Mineral** (New-Mex Humate®) is OMRI-LISTED. Humate should never be confused with dirt or coal. There are no additives in our product. Laboratory tests have generally concluded that our humate contains as high as 46% fulvic acid and 42% humic acid with several key trace minerals Like Calcium, Iron, Phosphorus, Selenium and Magnesium in trace amounts. 10% ash content. Our humate mineral is 100% Natural, **No Additives**.
3. **Lignite (leonardite) coal** has some humic substance value but is **Not humate** and has to be processed with a **strong industrial caustic (Lye)** into a Soluble Humic Additive substance back to a solid from a solution. Why buy chemical processed products when you can buy direct form our All-Natural New-Mex Humate® Mineral Mine.
4. **Sub-bituminous coal**
5. **Bituminous coal**
6. **Metallurgical coal**
7. **Anthracite hard coal**



Humate and Its Imposters

Humate is often compared to other so-called humates called Leonardite, Russian humate, Australian humate, and Chinese humate. Our humate is humate mineral not coal like these imposters. The humic and fulvic acids in our humate are natural and have had millions of years to mature so as to provide maximum benefit. The imposters must add humic and fulvic acids to their product but having an inferior effect. Coal should never be used as it is a contaminant. It has a BTU Value and is combustible and will burn.

Humate (humates) products on the market are really a concentrated substance or solution made from (Lignite – “Leonardite coal”). Using Lignite coal directly from the earth has some humic substance value to it but has to be processed with a strong industrial caustic (Lye) [e.g., NaOH, KOH, Ca (OH)₂] the humic or fulvic acid is taken into solution with a strong mineral acid (e.g., HCl or H₂SO₄) to precipitate humic acid (*substance to be deposited in solid form from a solution.*) (Aitken et al., 1964). “Pot Ash” Their process has to be produced a under controlled conditions. Even after all of this, our 100% Natural New-Mex Humate® values are still richer in humic, fulvic and ulmic acids along with several key trace minerals Like Calcium, Iron, Phosphorus, Selenium and Magnesium in trace amounts.

Farmers and Growers, have better results using 100% natural pure New-Mex Humate®.

The controversy if Humate really works is because Farmers and Growers used a lignite coal product instead of our New-Mex Humate®.

Farmers and growers that use New-Mex Humate® are customers for Life because of the outstanding results using our 100% Natural Organic New-Mex Humate® OMRI-Listed. It is rich in humic, fulvic and ulmic acids (up to 90%) with several key trace minerals like Calcium, Iron, Phosphorus, Selenium and Magnesium in trace amounts. We have mined our Humate Mineral directly form the Earth for over 50 years.



Buy Direct from Our Mine!

1(800)321-9929

Sales@UMATEint.com

www.umateint.com | www.NewMexHumate.com

Definitions

Organic Matter

Organic matter is defined as a grouping of carbon containing compounds which have originated from living beings and deposited on or within the earth's structural components.

Humus

Humus is defined as a brown to black complex variable of carbon containing compounds not recognized under a light microscope as possessing cellular organization in the form of plant and animal bodies.

Humic Substances

Humic substances are the components of humus and as such are high molecular weight compounds that together form the brown to black hydrophilic, molecularly flexible, polyelectrolytes called humus.

Humins

Humins are that fraction of humic substances which are not soluble in alkali (high pH) and are not soluble in acid (low pH).

Humic Acids

Humic acids (HAs) comprise a mixture of weak aliphatic (carbon chains) and aromatic (carbon rings) organic acids which are not soluble in water under acid conditions but are soluble in water under alkaline conditions.

What is humic acid used for?

Overview. Humic acid is a chemical produced by decaying plants. People use it in, Agriculture, Soil & Water Remediation and to make Medicine. People take humic acid for stimulating the immune system and treating the flu (influenza), avian flu, swine flu, and other viral infections.

What minerals are in humic acid?

Humic acids are big molecules, ranging in molecular size from 10,000 to 100,000. They're dark in color and combine mixtures of carbon chains and carbon rings. (In addition to carbon, they also contain oxygen, nitrogen, hydrogen, and phosphorus.) The exact composition of humic molecules varies by source.

Fulvic Acids

Fulvic acids (FAs) are a mixture of weak aliphatic and aromatic organic acids which are soluble in water at all pH conditions (acidic, neutral and alkaline).

Ulmic Acids

Is defined as the alcohol-based extract of naturally-occurring organic matter (MOM).

Humates

Humates are metal (mineral) salts of humic (HAs) or fulvic acids (FAs) Within any humic substance there are a large number of complex humate molecules.

What is Lignite?

Coal, a soft, dark brown, combustible, sedimentary rock formed from naturally compressed peat, humate then into lignite.

What is Leonardite coal?

The term leonardite refers to the deposits of oxidized lignite coal found in western North Dakota. These deposits are named for AG Leonard, North Dakota's first Geologist from 1903-1932. Arthur Gray Leonard was born in Clinton, New York in 1865. He received degrees from Oberlin (B.A. 1889 and M.A. 1893) and a Doctoral degree from Johns Hopkins University in 1898.