

AMBASSADOR COLLEGE

Agriculture Department

Big Sandy, Texas 75755

AC RANCH

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F E R T I L E M I X

A Natural, Organic Soil Conditioner
Mineral Fertilizer with Soil Organisms

"Fertile Mix" contains soil building products such as high organic mineral, natural diatomaceous earth and soil bacteria. It is a well-balanced, blended soil conditioner impregnated with new soil bacteria. These natural substances are nature's helps to restoring fertility in depleted and "locked up" soil; which are described in the following paragraphs.

"Organic" soil conditioner contains approximately 75% concentrated organic matter. It starts working as soon as it is applied to the soil by feeding the living organisms and supporting the bacteria that makes plant food available. The many tons of nitrogen in the air are obtained through the fixation of nitrogen in the soil by certain bacteria. Because this mineral compost feeds the soil bacteria, it makes available nitrogen.

Minerals needed in the soil include many trace elements that are sometimes present only in microscopic amounts, but are vital to plant growth. The so-called minor or trace elements may be minor in volume, but they have a major importance in their effects upon the health of animal or man. While a few elements are needed in varying amounts to produce rich crops, still trace elements are needed to make those elements available to plants.

Some of the trace elements found in high organic mineral soil conditioner are:

Iron	Calcium	Lead	Nitrogen
Copper	Sodium	Silica	Vanadium
Nickel	Gallium	Cobalt	Germanium
Potassium	Magnesium	Sulfur	Carbon
Aluminum	Chlorine	Chromium	Molybdenum
Titanium	Zirconium	Bismuth	Strontium

Diatomaceous earth contains many of the essential elements required in the soil for plant growth. This material is a natural deposit of fertilizer that nature placed in one of its reservoirs, so it would be available for transporting to depleted soils everywhere. The very nature of diatomaceous earth is to serve as a normalizer and supply plant food. It helps unlock other essential elements of the soil, encourages better soil life, and is generally the protector of the soil. It stimulates root growth. It is longer lasting than synthetic substitutes and will not burn plants. It builds soil and soil texture.

What is soil bacteria? In order to complete the cycle of life in the soil; the uniting of ions; transporting elements to their proper place; nature requires the help of literally millions of microbic workers. These helpers are the bacteria and can be termed the life-giving factor of soil.

Good life productive soil has millions and millions of living organisms in every cubic inch. These living organisms (nature's workers) are truly the life of the soil and organic matter is their only source of food supply. Without these living organisms dead plants will not rot, minerals will not dissolve, no nitrogen is fixed and the glues to build soil structure are not produced.

Soil bacteria has proved most effective in ridding crops of nematodes and is also effective in combating other diseases and insects of the soil.

To help you restore vital organic and humus matter, unlock your soil, "Fertile Mix" is available to be picked up in large quantities from the Agricultural Warehouse at Ambassador College, Big Sandy, Texas, for \$4.00 per hundred weight. It is quite costly to send it by motor freight; however, if you desire, it can be sent FOB.

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