



Why Organics?

There is growing concern regarding the use of synthetic (chemical) fertilizers and pesticides and their effects on our children's health, our health, the health of our pets and our environment. The chemicals are not only harmful to you, but can also affect our water supply. These fertilizers contain mostly water soluble nitrogen (WSN) and are activated by water. Nutrients are released far faster than the plant can take them up or the microbes can break them down for storage in the soil. Therefore, there is leaching and run-off which is not only wasteful but, far worse, is harmful to the environment. The salts from the chemical fertilizers also adversely affect the organisms in the soil that provide the healthy environment your plant needs to grow.

While chemical fertilizers can meet some nutrient needs of the plant that is all they can do. As agronomist Dr. Tom Abeles puts it, if you grow with chemical fertilizers long enough without putting organic matter back into the soil, eventually you will be growing the plant hydroponically with soil as the medium. Organic matter cannot be synthesized in a laboratory. Therefore, there is none in chemical fertilizers. Your plant becomes dependent on the chemicals to grow rather than getting its nutrients from the soil.

PJC formulates and markets fertilizers that not only work well, and are not harmful to the environment but are actually beneficial to the soil.



Mode of Operation:

The basic principle of organic fertilization is to feed the soil and let the soil feed the plants. Soil components include a balance of air, water, minerals and organic matter. Good soil is a living system full of activity with plant roots, fungi, bacteria, protozoa, molds, insects, earthworms and even small animals.

Soil can be out of balance for many reasons: changes caused by construction; compaction caused by walking or driving equipment repeatedly in the same area; over irrigation resulting in a lack of air space in the soil depriving plants of oxygen and inhibiting root growth; depletion of nutrients and organic materials from years of removing plant material without the addition of organic matter; reduction in microorganisms that may have died from use of chemical fertilizers; and simply soil types that may not be favorable for plant growth.

PJC's Renaissance All Natural Fertilizers provide the organic materials and nutrients in balanced rations that make it possible for indigenous soil microorganisms to thrive and proliferate. It is these microbes which break down organic materials and nutrients into a form which allows them to be stored in the soil. Then, in response to a signal of specific need from the plant, they release the appropriate nutrient in a form and at a rate which allows the plant to take it up. This ensures nearly 100% take up of those nutrients. After the nutrients are consumed or stored, the husks of organic matter remain helping to improve water retention and soil tilth. The use of an all natural organic fertilizer is one element in the promotion of healthy plants.



The Result:

Using PJC's Renaissance All Natural Organic Fertilizers encourages indigenous soil microorganisms to proliferate in combination with adding organic matter and natural nutrients to the soil creating an environment from which spring vigorous healthy plants.



PJC ALL NATURAL
turf programs

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