

A BIOLOGICALLY BALANCED SYSTEM CONTRIBUTES TO HEALTHY GROWTH AND PROFIT

Sunlight and rain - the leaf acts as a solar panel and energy source conveyed to soil life by plant sugars

Crops grow healthy with good pest and disease resistance due to balanced natural nutrition of the soil and plant - not forced by excessive chemical fertilisers.

Dead and living plant material acts as protection for the soil - to maintain more even temperature in keeping soil organisms happy - to prevent soil erosion and nutrient loss - to help improve soil structure.

Mycorrhizal fungi attached to plant roots protect the roots from disease and effectively extend the root length to gather minerals and water in exchange for sugars.

Root hairs exude increased amounts of sugars. These sugars stimulate microbial growth adjacent to the root hairs. The microbes in turn release more nutrients from the soil. This encourages strong, balanced growth above and below the ground. Vigorous roots go deeper following worm burrows and nutrients are carried deeper by the worms.

Earthworms release nutrients from organic matter and from soil minerals to produce nutrient rich castings, good aeration and drainage. Earthworms also thoroughly mix soil and carry nutrients (organic and applied minerals) to deeper levels.



Fish, kelp and foliar nutrients result in highly efficient and effective uptake when sprayed onto foliage

Trace elements, minerals and complex organic compounds absorbed into the plant and rapidly translocated into the roots as very nutritious sugars.

Fish and kelp on the surface of leaf suppress the growth of fungi and attack by pests by encouraging fungifugal bacteria and reducing palatability to insects.

Fish, kelp, humates and compost / compost tea on the soil surface gives boosted nutrition and complexity to soil microbes which multiply rapidly and increase breakdown of organic material such as manure & dead plant material.

Earthworms respond to the increase in microbes and degrading organic matter and multiply rapidly.

Nutrients and complex organic compounds absorbed by the leaf are rapidly translocated to the roots. Kelp in particular stimulates root growth and vigour.

