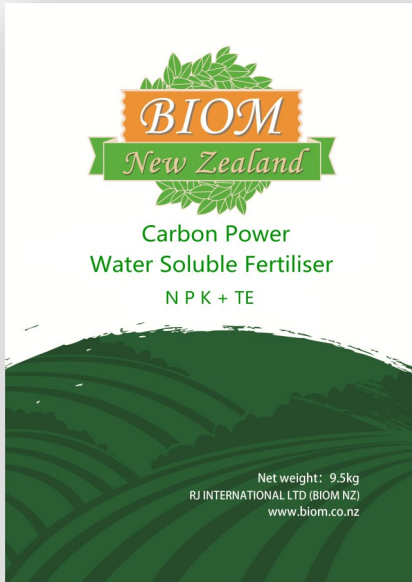


# BIOM CARBON POWER WATER SOLUBLE FERTILISER INFORMATION SHEET



## BIOM Carbon Power Water Soluble Fertiliser

**BIOM Carbon Power Water Soluble Fertiliser™** utilises high purity (> 99%) water soluble material with high-end technology. This product is 100% water soluble. After being diluted at indicated ratio, the liquid fertiliser can be used for hydroponic growing, foliar spraying, irrigation, etc. The technology of utilising chelated trace elements (EDTA) and high carbon energy makes this product meeting demand for nutrients at all stages during the growth period of crops.

**BIOM Recipe** is varied according to plant species, plant stages, soil temperature, moisture and the weather. The recipe can be adjusted to a specific status with different N-P-K ratios. Dosage can be less than other product as the purity of BIOM water soluble fertiliser is up to 99%. On the other hand, Carbon Power can raise the yield of crops as well.

## CARBON POWER FOR ENHANCING PLANTS

Carbon Power (CP) is the active ingredient in all BIOM water soluble fertilisers. It is a naturally occurring complex mixture of compounds that BIOM has been able to identify, extract isolate, and refine (IEIR).

1.0 gram per acre of active ingredient per application gives consistent results documented by extensive research. Our finished product rates are between 5-8 ounces per acre. The active carbon compounds in Carbon Power are produced by plants and pass through a stage of fungal and bacterial enzymatic modification.

Primary active components are plant derived, fungal modified and bacterial derived. Primary modes of action are mitochondrial respiration, nutrient assimilation and enzyme-driven action. Primary benefits are consistently higher yields, improves crop quality and eco-efficient. Carbon Power technology is environmentally-safe, non-disruptive and exceptionally suited to all application methods.

## KEY FEATURES:

- Unique high purity of elements (> 99%)
- Added Carbon Power
- A complete range of major and trace minerals
- No animal products
- Improves plant productivity and condition
- Excellent solubility (15% faster than other product with same element amount)
- Trace element included
- Higher yields
- Improves crop quality
- Eco-efficient
- No known compatibility issues



## Physiological Modes of Carbon Power Action

### Mitochondrial Respiration Enhancement

MAFs (mitochondrial activation factors) can enhance respiration by up to 45%. They assist in electron transfer. Anti-oxidant scavenging of super-oxide, free-radicals which inhibit mitochondrial activity.

### Nutrient Assimilation

Fungi modify lignins through enzymatic processes. The resulting compounds complex iron, zinc, manganese and copper enhancing uptake and translocation. The main benefit is improved chlorophyll density and better photosynthetic rates

### Enzyme-Driven Responses

Certain CP molecules interact stereo-chemically with key enzymes (proteins) that regulate germination, rooting and flowering. CP returns positives in some auxin, gibberellin and cytokinin bioassays, but actual hormones are not found in CP. These responses have been attributed to changes in the enzymes that regulate the production and degradation of auxins and other natural materials.

## TYPICAL ANALYSIS

### MACRO ELEMENTS

Nitrogen .....varies according to types  
Phosphorus.....varies according to types  
Potassium.....varies according to types  
Calcium.....varies according to types  
Sulphur.....varies according to types  
Magnesium.....varies according to types

### TRACE ELEMENTS

EDTA Cu.....0.03%  
EDTA Fe.....0.05%  
EDTA Zinc.....0.15%  
EDTA Mn.....0.02%  
B .....0.05%  
Mo.....depends on needs

## Products Types:



We have recipe for various of plant species, including veggies, berries, trees and flowers. With confidence and better service, our technicians have close relationship with customers, meeting their needs. BIOM Carbon Power Water Soluble Fertiliser can be used in dripping system, circulation irrigation system and foliage or root spray.

**STORAGE:** Store in a cool, dry place out of direct sunlight.

**KEEP OUT OF REACH OF CHILDREN AND PETS.**

**OTHER PRODUCT:** Bio-organic Fertiliser | Organic Fertiliser | Liquid Organic Fertiliser  
Soil & Plant Laboratory Element Test | Amino Acid Product | Organic Soil Sterilisation

**We are committed to organic fertiliser, improving the activity and quality of plants.**  
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