

# **GROW FORCE**

## SPRAYFEED **ORGANICS**

12% Humic & Fulvic Acids

*A blend of liquid Humic and Fulvic acid applied to soil to assist in increasing microbiological activity, nutrient and organic status.*

*Humic & Fulvic acids are complex organic molecules formed by the breakdown of organic matter in the soil. Humic acid contains many functional chemical groups that are highly active in chelation and mobilisation of plant nutrients. Humic acids stimulate microbial activity and help maintain soil fertility and structure.*

*GF SPRAYFEED ORGANICS is available in 20, 200 & 1000 Litre pack sizes.*

### THE IMPORTANCE OF HUMUS

Humus is a complex aggregate of brown to dark coloured substances, which originated during the ancient decomposition of plant and animal residues. Chemically, humus is a very complex mixture of organic constituents, which originated in living plant tissue. The end result of microbial activity and breakdown of humus is known as HUMIC ACID.

### THE FUNCTION OF HUMIC & FULVIC ACIDS

GF SPRAYFEED ORGANICS IS BENEFICIAL IN THE FOLLOWING AREAS:-

#### *Biological Advantages :*

- Stimulates plant enzymes
- Acts as an organic catalyst
- Encourages soil microorganisms
- Increases root respiration and formation
- Increases plant membrane permeability
- Increases nutrient translocation

#### *Chemical Advantages :*

- Increases soil cation exchange capacity
- Improves soil buffering capacity
- Rich in organic and mineral substances
- Retains water-soluble fertilisers in soil

#### *Physical Advantages :*

- Improves friability of soil (crumbliness)
- Improves soil aeration
- Increases water holding capacity
- Reduces soil erosion

### ANALYSIS (w/v)

HUMIC & FULVIC ACIDS

12.0%

## DIRECTIONS FOR USE:

### AGITATE CONTENTS WELL BEFORE DILUTION

For best results, GF SPRAYFEED ORGANICS should be applied in regular intervals as the product is organic in nature and will be naturally consumed.

#### FIELD CROPS:

*Cereals, clover, corn, cotton, lucerne, sugarcane, sunflowers*

**FERTIGATION RATE:** 5.0 - 10.0 L / Ha per application

Apply minimum of 20 L / ha per season

#### FRUIT TREES:

*Citrus, pome, stone fruit*

**FERTIGATION RATE:** 5.0 - 10.0 L / Ha per application

Apply minimum of 20 L / ha per season

#### HORTICULTURAL CROPS

##### FERTIGATION FIELD

**RATE:** 5.0 - 10.0 L / Ha per application

Apply minimum of 20 L / ha per season

##### FERTIGATION PLASTIC MULCHED

**RATE:** 5.0 - 10.0 L / Ha per application.

Apply minimum of 10-20 L / ha per season

#### TURF

**RATE:** 100 - 200 mls / 100 m<sup>2</sup>

**WATER RATIO:** 1 : 100

Apply at planting and continue monthly for maintenance

#### VINES

**FERTIGATION RATE:** 5.0 - 10.0 L / Ha per application

**WATER RATIO:** 1 : 100

Apply regularly commencing after budburst as soil application.

Apply minimum 30 L / ha per season

#### TANK MIX ADDITIVE

GF SPRAYSEED ORGANICS can be used as an additive to spray tank mix solution to improve uptake and efficiency of a wide variety of fertilisers.

Apply at 5 L / Ha with Water Rate: 1 : 100

#### NOTE:

##### WATER RATIO:

A dilution of 1 : 100 means 1 part product : 100 parts water. In hot weather, use the higher dilution rate where applicable

#### COMPATIBILITY STATEMENT

Grow Force Liquids are compatible with a wide variety of known pesticides. Grow Force will not be recommending any compatibilities due to frequent changes in pesticide formulations. Refer to your agricultural chemical manufacturer for more information on compatibilities. If mixing Grow Force Liquids with other chemicals, always mix a representative quantity in water (Jar Test) and check for precipitation or any other physical changes (heat or gas etc.). It is also recommended that the jar test is applied to small test area and observed for phytotoxicity before spraying to total crop.

#### CONDITIONS OF SALE

Grow Force wishes to advise that the results obtained from products and services provided by Grow Force are highly dependant on climatic and weather conditions, soil conditions, irrigation methods, application methods, agricultural practices and other factors outside the control of Grow Force. In particular, Grow Force cannot guarantee that crops will grow or products will work in a customer's given circumstances. Furthermore, to the extent permitted by law, Grow Force accepts no liability whatsoever for any injury, damage, loss or other result flowing from products or services provided by Grow Force (or any advice or representation made by a Grow Force employee or representative) whether due or alleged to be due to negligence on the part of Grow Force or not. Where liability cannot be excluded by law, Grow Force limits its liability to replacement of the goods previously supplied or, in the case of services, the re-supply of those services.

**NOTE:** The suggested application rates are designed for typical Australian conditions and act as a guide only. Differences in soil types, climatic conditions, water quality, application methods and processes and therefore necessitate corrections to ensure optimum results. Best practice requires that applications under extreme weather conditions such as temperatures over 25°C, high humidity, frost, rain should be avoided. It is recommended that prior to applying to a crop or area for the first time, or in combination with other chemicals, a small test area should be sprayed and observed prior to the total crop spray. It is recommended that leaf (sap) tests are conducted on a regular basis to monitor actual plant nutrient availability during each growing cycle. Soil tests at least once per year are essential.