

# **GROW FORCE**

**S P R A Y F E E D**

## **Z B M**

**5% Zinc, 5% Boron, 0.25% Molybdenum**

***GF SPRAYFEED ZBM is a high analysis zinc, boron and molybdenum liquid to assist in the correction of deficiencies & maintenance of growth in fruit, vegetables and broadacre cropping.***

***GF SPRAYFEED ZBM will improve fruit quality, maintaining chlorophyll production and assist in sugar translocation into fruit.***

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

### **ANALYSIS (w/v)**

ZINC	(Zn)	5.00
BORON	(B)	5.00
MOLYBDENUM	(Mo)	0.25

#### **THE FUNCTION OF ZINC**

Zinc forms part of the enzyme carbonic anhydrase, essential to maintain CO<sub>2</sub> levels for photosynthesis. Zinc also plays an important role in the synthesis of the plant hormone Indoleacetic acid from amino acids, which controls cell expansion, elongation and helps to initiate cell division.

#### **THE FUNCTION OF BORON**

Boron has many functions essential for growth and quality.

1. Boron is used for movement of large sugar molecules around the plant. Therefore it is essential for fruit filling and the resulting taste of fruit.
2. Boron controls growth at the meristematic cells or growth points of plants, therefore vital to all crops. Normal growth rates and function cannot occur without Boron
3. Boron forms an essential part of the flower called the Style Tube, which is required for pollination and seed quality.

#### **THE FUNCTION OF MOLYBDENUM**

Molybdenum is essential for the chemical changes involved with nitrogen assimilation i.e the conversion of nitrate to ammonium inside the plant. It is therefore important for chlorophyll and enzyme formation.

## DIRECTIONS FOR USE:

### AGITATE CONTENTS WELL BEFORE DILUTION

#### CEREALS

- **Foliar Rate:** 2 - 5 L / Ha  
**Water Ratio:** 1 : 20 min  
Apply as required

#### TREE, FRUIT & VINE CROPS

**Apples & Pears, Citrus, Grapes, Pawpaws, Pineapples, Stone Fruit, Strawberries, Sub Tropical**

- **Fertigation Rate:** 2 - 10 L / Ha  
Apply as required
- **Foliar Rate:** 2 - 5 L / Ha  
**Water Ratio:** 1 : 100 min  
Apply as required

#### VEGETABLES AND SMALL CROPS

**Asparagus, Beetroot, Broccoli, Brussel Sprouts, Cabbage, Carrots, Cauliflowers, Celery, Lettuce, Onions, Potatoes, Radish, Tomatoes, Turnips**

- **Fertigation Rate:** 2 - 10 L / Ha  
Apply as required
- **Foliar Rate:** 2 - 5 L / Ha  
**Water Ratio:** 1 : 100 min  
Apply as required

#### FIELD CROPS

**Beans & Peas, Cotton, Lucerne, Peanuts, Soya Beans, Sunflowers, Tobacco**

- **Foliar Rate:** 2 - 5 L / Ha  
**Water Ratio:** 1 : 50 min  
Apply as required

#### 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.