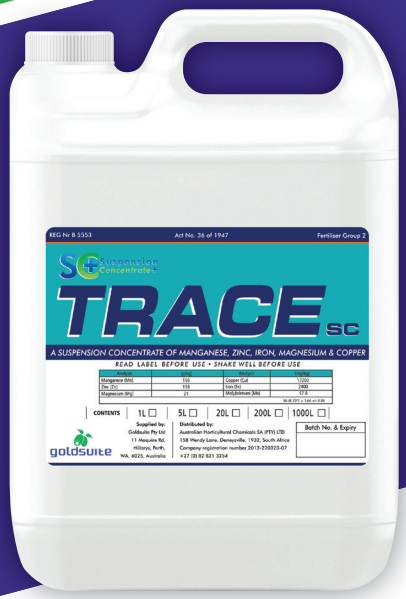

SC+

TRACE

SC+ Suspension Concentrate+

A HIGH ANALYSIS SUSPENSION OF *MANGANESE*, *ZINC*, *IRON*, *MAGNESIUM* AND *COPPER* BLENDED WITH KELP EXTRACTS. DESIGNED TO PROVIDE AN EARLY ENERGY BOOST FOR EARLY VIGOUR AND IMPROVED PLANT HEALTH.

MAJOR BENEFITS OF USING TRACE

- Formulated with a concentrated balance of MANGANESE, ZINC, IRON, MAGNESIUM and COPPER,to ensure maximum nutritional benefit.
- Easy to use free-flowing formulation compatible with a wide range of agricultural products including most seed dressing.
- Accelerated seedling development due to essential nutrient availability from germination. It also assists nitrate assimilation.
- Enhances early root development and encourages healthy and vigorous root systems allowing the plant optimal access to essential nutrients and moisture from the soil.

THE ROLE OF MANGANESE

MANGANESE is essential as an enzyme activator which helps with nitrate assimilation. It is also primarily involved in photosynthesis and chlorophyll production. MANGANESE influences auxin levels in plants and is required for maximum activity of many enzyme reactions found in the citric acid cycle.

MANGANESE DEFICIENCY

- Leaf speckling
- Light green blotches between main veins
- Dark green borders around the main veins
- Speckling on leaves and in oats known as 'grey speck'
- Interveinal chlorotic areas become pale green or dull yellow
- Susceptibility to root diseases

THE ROLE OF IRON

IRON (Fe) is a constituent of ferredoxin and cytochromes, it activates catalase, and plays an important role in the formation of chlorophyll. It takes part in photosynthesis and in respiration for the release of energy.

IRON DEFICIENCY

- Chlorosis particularly in younger leaves, the mature leaves remain unaffected.
- Inhibits chloroplast formation.
- Stalks remain short and slender.
- Interveinal white chlorosis.
- May develop necrosis also.

MANGANESE DEFICIENCY

IRON DEFICIENCY

PRODUCT CHARACTERISTICS

Specific Gravity: ~1.65 Colour: Light Pink

AUSTRALIA

Analysis	Weight/Volume Percent (w/v)%
Manganese (Mn)	24
Zinc (Zn)	20
Magnesium (Mg)	4
Copper (Cu)	3.5
Iron (Fe)	0.3
Boron (B)	0.15
Molybdenum (Mo)	0.01
Cobalt (Co)	0.01
Selenium (S)	0.001
Iodine (I)	0.001

INTERNATIONAL

Analysis	Weight/Volume Percent (w/v)%
Manganese (Mn)	24
Zinc (Zn)	20
Magnesium (MgO)	6.5
Copper (Cu)	3.5
Iron (Fe)	0.3
Boron (B)	0.15
Molybdenum (Mo)	0.01
Cobalt (Co)	0.01
Selenium (Se)	0.001
Iodine (I)	0.001

FOLIAR, FERTIGATION & AERIAL APPLICATION

CROP	RATE / ha	MIN DILUTION	COMMENTS
AVOCADO	2.0 - 4.0L	1 : 50	Fertigate through irrigation.
WHEAT, BARLEY, OATS, TRITICALE, COTTON, LEGUMES, MAIZE & RICE	0.3 - 1.0L (foliar) 0.5 - 1.0L (fertigation)	1 : 30 1 : 1	Ideal time for application is at the 3 - 4 leaf stage but may also be applied later if required.
PECANS	2 - 4L	1 : 50	Apply during nut development for maintenance of micro-elements.
POTATO	3.0L	1 : 66	Apply in a minimum 200L/ha with normal insecticide and fungicide seed piece sprays.
MACADAMIAS	2 - 4Lt	1 : 50	Apply during nut development for maintenance of micro-elements.
VINES & OTHER CROPS	2.0 - 4.0L	1 : 50	Apply 1 - 2 sprays prior to flowering.
TRUFFLES	2.0 - 4.0L	1 : 50	Apply through irragation or spray onto ground as needed once or twice per annum, or as directed by your agronomist.
SUGAR CANE	1.0 - 2.0L	1 : 50	Apply as advised by your agronomist.

SEED DRESSING

CROP	RATE / ha	MIN DILUTION	COMMENTS
BROAD ACRE Wheat, Barley, Oats, Triticale, Cotton	400 - 600	This product does not need dilution, however if you wish to add water adjust volume to suit application equipment, seed moisture percentage and the current ambient temperature. **DO NOT** exceed total application volume of 6L/t when treating cereal grain.	Where SC+ TRACE is applied without dilution uneven coverage may occur. Where lower rates are used follow up with brix or leaf tests after emergence are advised to determine the need for foliar application. SC+ TRACE is **NOT** compatible with inoculant products.
CANOLA	2000		
GRAIN LEGUMES	400 - 600		
MAIZE , RICE & SORGHUM	500 - 800		
POTATO Seed Pieces	3000	1 : 66	Apply in a minimum 200L/ha with normal insecticide and fungicide seed piece sprays.

DILUTION - A dilution of 1:30 equals 1 part product - 30 parts water

See label for information on Storage and Handling.

NOTE

- All suggested application rates are for typical Australian conditions, and should be used as guidelines only. Individual conditions; such as climate, water quantity, soil type and application practices may differ, necessitating corrections to ensure optimum results. Increase minimum dilution rate by 1:50 – 1:100 in hot weather.
- Ideally brix or leaf tests should be conducted on a regular basis to determine plant nutrient levels at each growth stage. It is highly recommended to conduct soil tests at least once a year.
- Apply using a minimum of at least the labelled dilution rate to avoid potential leaf burn. Avoid application under extreme weather conditions; temperature over 28oC, high humidity, frost or rain apply at a minimum of 1 : 100 dilution.
- It is advisable when applying for the first time or in conjunction with other products, to spray an initial small test area for observation before general application.

MIXING

To ensure even mixing, half fill the spray tank with clean water and add the required amount of product. Agitate thoroughly then add the remainder of the water. Agitate thoroughly while carrying out spray operations. Reseal part-used containers immediately after use.

COMPATIBILITY

SC+ TRACE is compatible with a wide range of agricultural products. If unsure of tank mixes always conduct a jar test and test spray a small area of the target crop. For the latest results of compatibility please contact the retailer.