



**PRODUCT INFO
& DATASHEET**

PROCHEL Complex SP

Well-balanced micronutrient formulas for use on all annual crops

Revised 04/2018

1. PRODUCT DESCRIPTION & ANALYSIS

PROCHEL Complex SP is a well-balanced micronutrient formula for use on all annual crops and contains the following wide array of essential elements and chelating agent: pure 2-hydroxy-1,2,3-propane tricarboxylic acid.

2. CERTIFICATE OF ANALYSIS

Composition & chelating agent:

Iron, Zinc, Manganese and Copper, Magnesium, Boron, Molybdenum, with sodium ethylenediamine tetraacetate and citric acid.

*** Product analysis**

	<u>Type 1</u>		<u>Type 2</u>	
Cu	0.5	%	2	%
Fe	4	%	4	%
Mn	3	%	4	%
Zn	4	%	2	%
MgO	9.0	%	9.0	%
B	0.5	%	0.5	%
Mo	0.05	%	0.05	% (or 0.005 depending on final cost needed, as is expensive)
S	12	%	12	%

*** Specifications**

Appearance	Brownish powder
Odour	Distinctive
Density	975 - 1025kg/m ³
Solubility	100%
pH	3.5–5.5 (when mixed 1% in water)

Iron, Zinc, Manganese and Copper are interchangeable – depending on prevailing levels of deficiency in soil. For ex:
 - in countries like Saudi Arabia /UAE we would have Fe followed by Zn, followed by Mn and then Cu.
 - in Turkey, Pakistan or elsewhere the Zn would be highest etc.
 - for Taiwan we would have Zn followed by Mn, then Cu, Fe as Zn is quite a major deficiency in the soil of Taiwan.
 - Mn works with Zn.

3. CROP APPLICATION

PROCHEL Complex SP can be applied with safety to all crops being grown for agricultural and horticultural purposes. In general **PROCHEL Complex SP** is used on a wide range of annual crops.

4. GENERAL RECOMMENDATIONS & DIRECTIONS FOR USE

* Foliar Applications: CEREALS, FIELD CROPS, VEGETABLES and SOFT FRUIT

Foliar Applied:	All vegetables inc. peppers, tomatoes, beans, onions, garlic, chinese cabbage	Rice, sorghum, maize, Wheat, potato, peas beans	Sugar cane,
Rate per hectare:	0.5-0.75 kg per hectare	0.75-1.5 kg per hectare	1.5-2.0 kg per hectare
Applications:	Three to four	Two - three	Two - Three
Timing of applications:	At 3 - 4 leaf stage, and at 7 – 10 day intervals.	2 weeks after emergence and at 2 week intervals	2 weeks after new growth and repeat at 2 week intervals. Aerially if possible

* Foliar Applications: FRUIT TREES, and other Permanent Crops.

Foliar Applied:	Maintenance dose All crops	Apple, pears, citrus, pineapple, avocado,	banana
Rate per hectare:	0.5 to 0.75 kg per hectare	0.75 to 1.5 kg per hectare	0.5 to 1.5 kg per hectare
Applications:	Four to six	Four to six	6 to 8

Any information in this publication is believed to be accurate and is given in good faith, but is for the customer to satisfy himself of the suitability for his own particular purpose. No representation, warranty or guarantee is made to its accuracy, reliability or completeness.

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Timing of applications:	1st, post-blossom/main flowering, and then at 15-30 day intervals	1st, post-blossom/main flowering, and then at 15-30 day intervals	Aerial application every month
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Generally: a concentration of 0.2% (0.1% in case of sensitive crops) should not be exceeded.

* Water volume: Trees and bush fruit: 500 to 1000 litres water per hectare. Vegetables and soft fruit: 200 to 600 litres water per hectare. Field crops: vegetables, rice, maize, etc.: 200-400 litres water per hectare.

* When to Spray: To obtain the best results from your nutrition programme, do not apply foliar fertilizers in bright sunlight. Compatibility: **PROCHEL Complex SP** is compatible with most agricultural products, however we would recommend the use of the jar test if some uncertainty is felt before large scale mixing takes place.

5. COMPATILIBITY

PROCHEL Complex SP is compatible with most agricultural products, however it is strongly recommended to use a jar test if some uncertainty is felt before large-scale mixing takes place.

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