

TEST FOR EFFECTIVE NUTRIENTS / E C TEST

DOSAGE / EC

	LOCAL COMPOUND	OM ULTRA BOOST	RATIO
1 GM / 100 ML WATER TIME : 15:32 ~ 15:47 TEMP : 27.5°C	1.23	6.15	1 : 5
2 GM / 100 ML WATER TIME : 15:57 ~ 14:12 TEMP : 26.0°C	2.30	11.96	1 : 5.2
2.5 GM / 100 ML WATER TIME : 16:23 ~ 16:38 TEMP : 25.8°C	3.35	18.33	1 : 5.5



OM CEC (M) SDN BHD

(Co. No. 1376817-D)

S/L 10804 Blk 5 KBLD, Jln Desa Senadin,
Desa Senadin Phase 9, 98000 Miri, Sarawak.





OM ULTRA BOOST

Product Background

Commercial crops cannot be grown profitably without having optimum fertilizer input. Hence, fertilizer quality and application methods are of upmost importance. It is vital for planters to identify and select the best fertilizer available in the market to maximize their crop yield and profit return as the future economic outlook grows increasingly challenging. Fertilizers should be applied in a manner that can be absorbed by the plants at its maximum Nutrient Uptake Efficiency (NUE). NUE is a concept to assess the performance of nutrient management in crop production systems (Oberthur and Donough, 2017). The goal of NUE is to increase the overall performance of the cropping system by matching the crop's nutrient needs as accurately as possible while minimizing environmental impacts.

This concept is projected by the '4Rs nutrients stewardship', which has similar goal to NUE. It essentially describes the selection of the right source of nutrients for application at the right rate, at the right time and in the right place (Reetz, 2016; Singh and Ryan, 2015). In essence, the objective is to ensure all fertilizers applied will be absorbed by the plant effectively. This is achieved by ensuring that the required nutrients are directly available and provided in the most soluble form.

In adopting the maximum NUE concept, the negative environmental impact caused by oil palm monocultures on biodiversity, soil, water, and climate will be greatly reduced.



OM ULTRA BOOST - The New Invention

Introducing the first of its kind, high purity, fast acting granular fertilizer made from the highest quality raw materials that is 100% water soluble. Our finest composition creates a powerful and effective nutrient source which is readily available for total absorption by the plants in all soil conditions. Our unique drying process has eliminated the need for unwanted elements like binders & coatings to create the granular structure.



Why is it good for you?

- 1) Pay the same price for better quality, which is guaranteed with the finest grade of ingredients.
- 2) Can apply almost any season to cope up the planned schedule. It can easily dissolve in low rainfall season.
- 3) Highest K content can effectively achieve your desired yield results.
- 4) Give you 5 X higher uptake efficiency. It is tested with more than 5 X effective nutrients as being dissolved in the water.
- 5) Easy transportation and 5 X more storage space saving.
- 6) Labour saving due to its simple manuring method.

What is good for environments?

- 1) Minimal chemical residue in the soil
- 2) Chloride free. Compliance with MSPO and RSPO requirements.
- 3) Free from excess salt and unwanted chemical impurities. Least soil contamination and damage to the roots.

Innovative manuring systems

- 1) Possible way to use premium grade fertilizer without huge investment on fertigation systems
 - 2) Enable to use fertilizer applicator to ease worker's heavy works.
 - 3) More precision, targeted and timely agricultural practices.
- 4Rs principles: Right nutrient source, Right time, Right rate, Right place.





OM CEC

PRODUCT SPECIFICATION SHEET

MICRO IONIC COMPOUND FERTILIZER

12-5-35+MgO+B+TE (Oil Palm)

TYPICAL CHEMICAL PROPERTIES	MINIMUM	TYPICAL	MAXIMUM
Total Nitrogen		12%	
Nitrate (NO_3)	8.5%		10.1%
Ammonical Nitrogen (NH_4)	2.3%		3.5%
Water Soluble P_2O_5	4.6%	5%	5.1%
Water Soluble K_2O	32.2%	35%	35.5%
Water Soluble MgO	2%		3%
Boric Acid (as B_2O_3)	0.25%		0.3%
Sulphur (as S)	4%		5%
EDTA TE (Cu/Mn/Zn)		>500mg/kg	

OTHER PHYSICAL PROPERTIES	MINIMUM	TYPICAL	MAXIMUM
Heavy Metal	ND		
Arsenic (as As)		ND<(0.01mg/kg)	(1)
Lead (as Pb)		ND<(0.01mg/kg)	(1)
Mercury (as Hg)		ND<(0.01mg/kg)	(1)
Cadmium (as Cd)		ND<(0.01mg/kg)	(1)
Chromium (as Cr)		ND<(0.01mg/kg)	(1)
Chloride (as Cl^-)	0.0%	0.5%	(1)
Sodium (as Na)	0.0%	0.2%	(1)
pH (1%)	6.0	6.2	6.5

Remark : The specifications described above are complied to the SIRIM standard
(1) Plant permissible level

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