

OIL PALM NURSERY				
AGE (MONTH)	RECOMMENDED MANURING PROGRAMS			REMARKS
	SOF@15LITERS WATER	CPD 12:12:17:2TE	CRP/GRP	
0-2	SOF 50ml@ 15L water for 1500 seedling	10g/pt	50gm	CPD - 2 <sup>nd</sup> month
3-5	SOF 50ml@15L water for 1000 seedling			SOF - 3 <sup>rd</sup> month SOF - 5 <sup>th</sup> month
6-7	SOF 150ml@15L water for 500 seedling	15g/pt		CPD - 6 <sup>th</sup> month SOF - 7 <sup>th</sup> month
8-9	SOF 150ml@15L water for 200 seedling			SOF - 9 <sup>th</sup> month
10-11	SOF 300ml@15L water for 150 seedling	20g/pt		CPD - 10 <sup>th</sup> month SOF - 11 <sup>th</sup> month
12-14	SOF 300ml@15L water for 150 seedling			SOF - 13 <sup>th</sup> month
15 and above	SOF 500ml@15L water for 100 seedling	25g/pt		CPD -15 <sup>th</sup> month

IMMATURE OIL PALM				
AGE (MONTH)	RECOMMENDED MANURING PROGRAMS			REMARKS
	CRP	SOF@15L WATER	CPD 44	
0	500g			
2-3		SOF 500ml@15L water = 30 palms	-	SOF - 2 <sup>nd</sup> month
4-5		SOF 500ml@15L water = 30 palms	500g/pt	SOF - 4 <sup>th</sup> month CPD 44 - 5 <sup>th</sup> month
6-8		SOF 500ml@15L water = 30 palms		SOF - 6 <sup>th</sup> month
9-12		SOF 500ml@15L water = 30 palms	1000g/pt	SOF - 9 <sup>th</sup> month CPD 44 - 10 <sup>th</sup> month
13-15		SOF 500ml@15L water = 30 palms		SOF - 13 <sup>th</sup> month
16-18			1400g/pt	CPD 44 - 16 <sup>th</sup> month
19-21		SOF 500ml@15L water = 30 palms		SOF - 20 <sup>th</sup> month
22-24		SOF 500ml@15L water = 30 palms		SOF - 24 <sup>th</sup> month
25-28			1500g/pt	CPD 44 - 27 <sup>th</sup> month
29-32		SOF 500ml@15L water = 30 palms		SOF - 30 <sup>th</sup> month
33-36		SOF 500ml@15L water = 30 palms		SOF - 34 <sup>th</sup> month

SUGGESTED GENERAL SOFERTILIZER PROGRAM FOR MATURED OIL PALM						
AGE OF PALM	FERTILIZER (ROUND)		APPLICATION NUMBER			
	SOFERTILIZER	CPD 44	1	2	3	4
YEAR 4	2	2	700ml SOF mix15 liter water for 25 trees	2kg/tree (CPD 44)	700ml SOF mix15 liter water for 25 trees	2kg/tree (CPD 44)
5 YEARS AND ABOVE	2	2	1000ml SOF mix15 liter water for 20 trees	2kg/tree (CPD 44)	1000ml SOF mix15 liter water for 20 trees	2kg/tree (CPD 44)

BUNCH WEIGHT   
**+15-20%**  
 after 2 months application  
 COST SAVING  
**50-60%**

# SO Fertilizer

## Regenerative Agriculture

A Unique natural multi-nutrients Bio Fertilizer for all type of crops and vegetable.  
 Proven work synergistically with inorganic fertilizer especially Potassium to produce high yield.

- Provide Nutrients and effects on the Physiology of oil palm
- Tested and proven Bio-Organic Fertilizer designed to work synergistically with inorganic fertilizer or by it own plus additional minimum CPD 12:6:22:3 as a supplementary.



- Helps promote healthy microbial activities of natural existing beneficial soil micro organisms such as Mycorrhiza and others.

### SAWIT • Oil Palm Bio Fertilizer with Enzymes

- Carefully cultured yeast (*Saccharomyces cerevisiae*) to enhance soil bio-activities.

- Minimize leaching of nutrients. Improves moisture and nutrient retention in problem soil (sandy & peat soil). Release 'Fixed' nutrients like phosphorus (P) and potassium (K) for absorption. Increase nitrogen fixation.

- Balanced and enriched highly concentrated liquid fertilizer with all the required nutrients produced by the enzymes through enzymatic reaction process for all stage of palms. To minimize the abortion in the palms. (Producing more brunches due to higher female sex ratio.)



Manufactured & Distributed by:

**SOFIELD AGROBIO RESOURCES SDN BHD**

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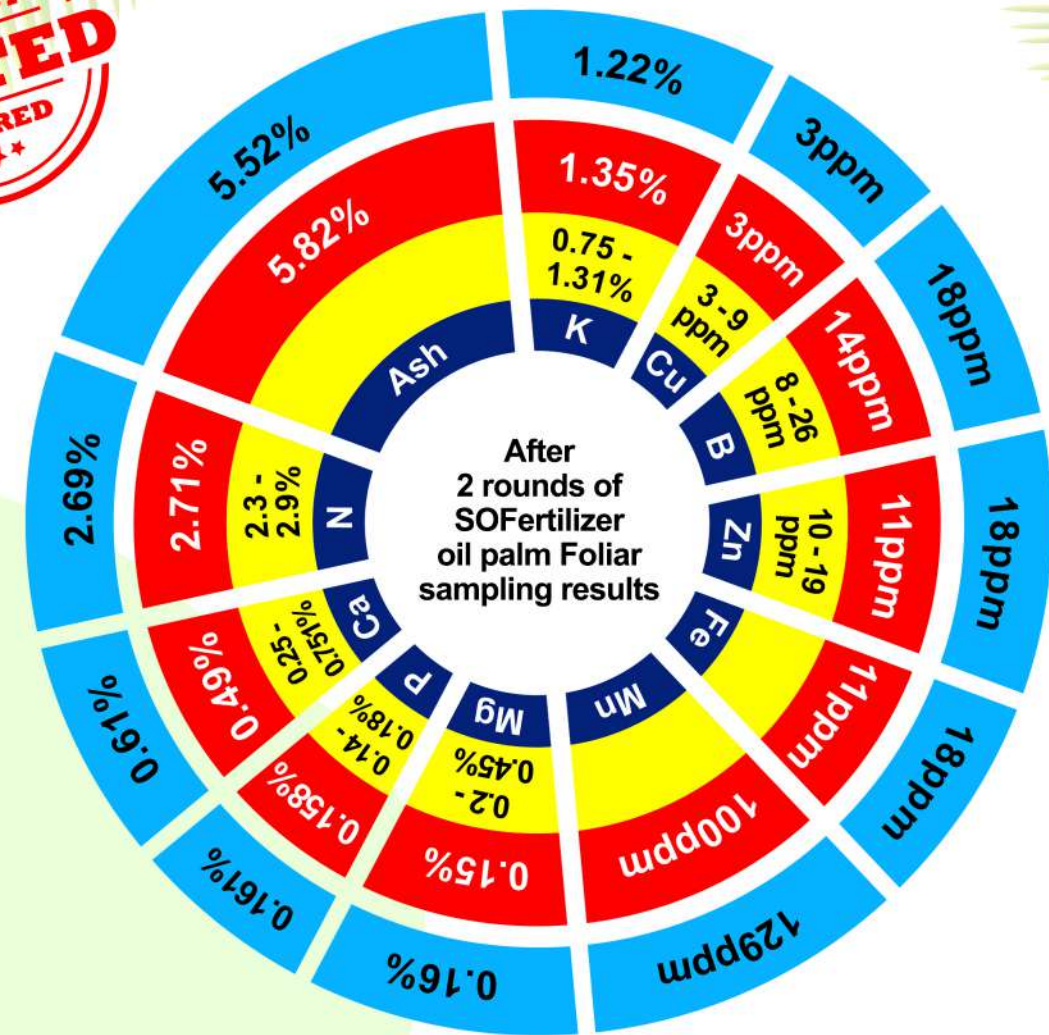
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# Proven Benefits For Oil Palm with Special Formulation **SO**Fertilizer



## LAB SAMPLING RESULT ANALYSIS: FRONDS 17



- ✓ Greater and uniform size and weight of the fruits after 2 application or 4<sup>th</sup> month
- ✓ Improving soil quality for better root system for nutrient uptake.. appearance of new root after 1 month application.
- ✓ Supply of Micronutrients;
  - \* Refer lab sampling result analysis chart
- ✓ Improved nutrients uptake by the root system
  - Promote nitrogen fixation in the soil
  - Release "Fixed" nutrients like Phosphorus (Insoluble P to Soluble P) and Potassium (Insoluble K to Soluble K)
- ✓ Provide Soluble Silicon and Improve Soil Bioactivity
  - Silicon to soluble silicon • Locked cations to Exchangeable cations
- ✓ Enhanced crop health
- ✓ Improved bunch weight by 10 to 15% after 2 rounds of application
- ✓ SOFertilizer cost saving 50% - 60% compare Conventional fertilizers cost

Thomas Fairhurat - Nutrient Ranges In Frond 17 Associated with Optimum Nutritional Level

Legend: ■ % and Ppm Dry Matter ■ Results after 2 rounds of SOFertilizer application ■ Results after 2 rounds of CPD 44 application

### Applicable to crops as below:



✓ Oil Palm ✓ Pepper ✓ Durian ✓ Rubber ✓ Citrus  
 ✓ Fruit ✓ Vegetable ✓ Others



### How to use and apply SOFertilizer:



#### Roots zone

Spray - One foot surrounding the palm close to root zone @ 0.6-0.7 litres/point of mixture

#### Measurements or Dosage:

- To mix 500 - 1000ml of SOFertilizer into 15 Litres Water ( Rain water, river water or drain water all can be used )  
 \*Avoid Chlorinated water
- 1 Mixture to cover 20 to 25 palms for palm above 30 months.
- one worker can cover 2.5 - 3.00 Ha @ RM0.13/palm/rd
- Minimum 2 rounds per year
- It is practicable to use CONE NOZZLE for spray application.

Applied area