



MPOB TECH

HIGH QUALITY COMPOUND FERTILIZER



HIGH QUALITY
SUSTAINABLE
FFB YIELD



MENGANDUNGI SULFAT DAN FOSFAT MUDAH LARUT YANG TINGGI

HIGH QUALITY
MAXIMUM
FFB YIELD



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MPOB F1 & **MPOB F1 Xtra K** compound fertilizer provides all the important nutrients required for oil palm. It contains **Ammonium Sulphate** as a source of Nitrogen (N) that is more stable in the soil compared with other Nitrogen sources and has the **extra Sulphur (S) nutrient**. In addition to this, **soluble Phosphate** is used as the Phosphate source. Other essential nutrients include Muriate of Potash as Potassium (K) source, Kieserite as Magnesium (Mg) source and Borax as Boron (B) source. Each of these essential nutrients plays an important role to boost oil palm growth and FFB production.



MPOB F1 Compound Fertilizer

MPOB F1 is a well-balanced compound fertilizer that contains all the important nutritional elements to help oil palm growers increase FFB yield in a sustainable manner.

FOR **SUSTAINABLE** FFB YIELD



10/5.4/16.2/2.7+0.5B



MPOB F1 Xtra K Compound Fertilizer

MPOB F1 Xtra K fertilizer is formulated for field planting areas that need higher Potassium (K) to deliver high FFB yield and enhance oil palm growth. Higher amount of Potassium nutrient plays a key role to replenish the Potassium deficiency in the soil while providing optimum nutrients in high FFB yielding areas.

PACKED WITH HIGH LEVEL OF POTASSIUM
FOR **MAXIMUM** FFB YIELD



10/5/20/2+B



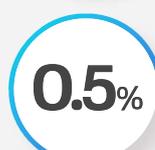
Manufactured by compacting the raw material through roller presses under high pressure. This process produces solid compound granules. Shown in the table below are the formulation of the various raw materials used in the production of **MPOB F1** & **MPOB F1 Xtra K**



ELEMENT & RAW MATERIAL



Ammonium Sulphate	N Nitrogen
Bayovar Rock Phosphate Mono Ammonium Phosphate	P₂O₅ Phosphorus
Muriate of Potash	K₂O Potassium
Kieserite	MgO Magnesium
Borax	B₂O₃ Boron





Since 2002

MPOB F1

MPOB F1 & MPOB Xtra K Application Rate Recommendations

Age Of Palm (By Year)		Inland Soil	
	Yield Target (tonnes/hectar/year)	MPOB F1	MPOB Xtra K
		(Kg/Palm/Year)	
>6	> 30	12.5	12.0
	> 25	11.0	10.5
	20-25	9.5	9.0
5		8.5	8.0
4		8.0	7.5
3		7.5	7.0
2		7.0	6.5
1		3.3	
Cultivation		0.3	

Frequency of Fertilizer Application :

In general, three application rounds a year is recommended for oil palms aged between 1-4 years old. For oil palms aged 5 and above, the fertilizer rate for each round of fertilizer application is determined by dividing the annual fertilizer rate over the number of application rounds.

For Coastal Alluvial and Peat Soil please refer to our website here <http://mpobf1.com/mpobf1/>



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