KEMENTERIAN PERUSAHAAN PERLADANGAN DAN KOMODITI

MPOB

27th MPOB **TOT 2021**

TRANSFER OF TECHNOLOGY

SEMINAR & EXHIBITION



BEST MANAGEMENT PRACTICES OF OIL PALM ON PEAT

Sustainability Compliance for Oil Palm Management on Peat

Research Focus Area: Yield Performance
Program : Good Agriculture Practice (GAP)

TECHNOLOGY HIGHLIGHTS

- **MPOB TT No. 346 MPOB F3 Fertiliser for Oil Palm**
- **MPOB TT No. 345 Uni-Slant : Unidirectional Slanting-Hole Planting Technique for Oil Palm on Deep Peat**
- **MPOB TT No. 417 Technique for Mechanically Forced Unidirectional Leaning of Oil Palm on Peat**
- **MPOB TT No. 472 Best Management Practices for Oil Palm Planting on Peat : Optimum Groundwater Table**
- **MPOB TT No. 501 Best Management Practices For Oil Palm Cultivation On Peat : Mucuna bracteata As Ground Cover Crop**
- **MPOB TT No. 528 Best Management Practices For Oil Palm Cultivation On Peat : Using Zeolite as Soil Conditioner**

DESCRIPTION

In 2020, there was about 1.065 million hectares of peatland area cultivated with oil palm in Malaysia, which were mainly in Sarawak. Oil palm cultivation on peat poses major problem on environmental and productivity despite, contributing to the largest economic advantage to local farmers. Therefore, the following best management practices are being offered to address the environmental and productivity issues on peatland while contributing to economic advantage to local farmers.

ADVANTAGES

These BMPs offer benefits such as:

- **Minimise oil palm yield losses by inducing uniform and unidirectional palm leaning**
- **Good in-field accessibility and field operation**
- **Reduce flooding**
- **Retain optimum water table**
- **Reduce competition from noxious weeds**
- **Conserve soil moisture**
- **Minimise environmental issue of peat subsidence, irreversible drying and peat fires**
- **Long shelf life fertiliser**
- **Balance and sufficient nutrient element**



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