

WEED MANAGEMENT AND WATER & SOIL CONSERVATION PRACTICES IN OIL PALM PLANTATION



SPEAKER : MR. S. GOPALAKRISHNAN

13 – 14 NOVEMBER 2024

VENUE: ISP HEADQUARTERS
SUITE 3A01, LEVEL 3A, PJ TOWER, AMCORP TRADE CENTRE
18 PERSIARAN BARAT, 46050 PETALING JAYA, SELANGOR

OVERVIEW AND OBJECTIVE

As oil palm's canopy expands from immature stage and stem growth develops vertically at mature stage upon commencement of fruit harvesting and pruning of fronds, the groundcover alongside undergoes changes in the type and density of vegetation. Undertaking weed control measures correctly and maintaining desired ground vegetation is vitally important to keep the palms free from weed competition, improve palm growth and oil palm yield facilitating uninterrupted access and evade soil erosion including in providing conducive ecosystem for beneficial parasitoids and predators to thrive to keep in check several oil palm pests. However, still there are cases where the fields' ground surface is bare or with overgrown weeds and in some instances necessitate rehabilitation by mechanical means.

Thus, good grasp of weed management concept and execution is prerequisite for personnel in-charge of this essential upkeep activity.

Palm growth and yield on undulating and sloping areas generally are poorer and non-uniform compared to flat terrains. Basically is due to soil and water runoff, soil erosion and washing away of applied fertilizer by rainfall on sloping lands. Thus, adopting suitable water conservation measures and techniques on site specific basis cannot be over emphasized for improvement of soil physical and chemical properties in turn attaining potential yield and maximum profitability.

Estate personnel on the ground need to equip with sound understanding of water conservation installations to embark timely and correctly in order to optimise return of investment and avert wastages.

LEARNING OUTCOME:

- Acquire sound knowledge and skill in these input upkeep activities in oil palm husbandry.
- Understand the importance of these operations including acquiring sufficient budget and implementing timely and correctly.

TARGET AUDIENCE

- Managers, Assistant Managers, Cadets, Field Supervisors/Assistants/Conductors at Estate level.
- Operation Managers and Plantation Executives at Regional/HQ level.
- Others who have interest and indirectly involved in field operation administration like students/trainees and auditors.
- Those who are new to these upkeep activities are highly recommended.

METHODOLOGY

- Power-point lectures, briefing and explanations.
- Discussion and exchange of ideas and views.

TRAINING MODULE

DAY 1	SESSION 1 (9.00 AM TO 1.00PM) WEED MANAGEMENT
	<ol style="list-style-type: none"> 1. Definition of Weed 2. Weed Management Concepts 3. Types & Description of Weeding Methods 4. Noxious Weed Group 5. Common Noxious Weeds in Oil Palm 6. Type of Herbicides 7. Commonly Used Herbicides & Its Active Ingredients 8. Methods of Herbicide Application 9. Spray Volume Calibration
	SESSION 2 (2.00 PM TO 5.00 PM) WEED MANAGEMENT
	<ol style="list-style-type: none"> 10. Types of Spraying & Typical Dilution Rates 11. Frequency & Cost of Weed Management 12. General Weed Control 13. Pre Replanting Weed Control 14. Eradication of Specific Noxious Weeds 15. Safety Procedures 16. Innovative Methods in Collection Rain Water in Fields

MR. S. GOPALAKRISHNAN PROFILE

- Equipped with vast working knowledge and experience in plantation sector for more than 40 years.
- Held ranks from Research Field Assistant, Assistant Manager, Manager, Senior Manager, Senior Operation Manager, Plantation Advisor to General Manage in public and private companies.
- Mainly handled oil palm crop covering development, replanting cultivation and management including a considerable stint in cocoa, agarwood and jackfruit cultivation and management.
- Hold Executive Master in Plantation Management (Asia e University) and Certificate in Tropical Agriculture (Bennet College, London)

DAY 2	SESSION 3 (9.00 AM TO 1.00PM) WATER & SOIL CONSERVATION PRACTICES
	<ol style="list-style-type: none"> 1. Water Conservation & Rainwater Harvesting Concept 2. Factors Affecting Water Conservation 3. Water Conservation Practices 4. Ground Cover Establishment 5. Various Method of Mulching Young Palms 6. Soil Mounding, Water Pocket, Big Hole Planting & Silt Pit 7. Innovative Sponge Pit Construction & Its Uses
	SESSION 4 (2.00 PM TO 5.00 PM) WATER & SOIL CONSERVATION PRACTICES
	<ol style="list-style-type: none"> 8. Oil Palm Biomass Usage 9. Installation of Various Innovative Water Conservation Structures: Planting Pit, Terrace Pit, Palm Base Pit, Palm Base Earth Bund, & Terrace Bund. 10. Innovative Soil & Water Conservation Practice in Replanting. 11. Water Management in Peat Soil & Low-lying Coastal Areas. 12. Listing of Soil & Water Conservation Practices at Various Phases of Oil Palm Planting.

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TERMS AND CONDITIONS

- Request for cancellation must be made in writing.
- 100% refund will be made for written cancellation received 6 days before the day of the Seminar. Refund will be issued after the Training.
- No refund will be given for cancellation received after the Training. However, replacement is acceptable; please forward the replacement name to emails below.
- The registration form serves as the official invoice.
- All membership subscription should be paid before the day of the Training to entitle for members' rate, or else, non-members' rate will be applied.
- The Organizer shall not be held responsible for whatever cost (hotel reservation/ flight ticket) incurred by participants.
- The Organizer reserves the right to make changes to courses without prior notice whether in terms of date, time, venue or any other aspects.

Registration must be done by faxing/emailing the registration form to the following:

For ENQUIRIES/ REGISTRATION: **Ms.Nadhira**
nadhira@isp.org.my
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En. Rizal
rizalhisham@isp.org.my

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DEADLINE
11th NOV 2024