

COURSE OUTLINE

PROGRAMME TITLE	Managing Ganoderma & BSR Risk: Regenerative Replanting Strategies for Oil Palm
OVERVIEW (Brief introduction Of the topic)	Ganoderma-related Basal Stem Rot (BSR) is one of the most serious long-term disease risks affecting oil palm plantations. The disease can progressively reduce productive palm populations, disrupt yield performance, increase sanitation and replanting costs, and weaken the long-term economic value of plantation assets. Because visible symptoms may appear only after infection and root or stem damage have progressed, management decisions based only on symptomatic palms can become reactive and costly. This executive programme provides plantation decision-makers with a strategic understanding of Ganoderma and BSR risk, the major management approaches currently available, and the importance of adopting an integrated rather than single-solution response. Participants will examine prevention and sanitation practices, monitoring and early detection, replanting practices, soil and root-zone management, chemical and biological approaches, and the role of plantation management in reducing future disease risk. A key focus of the programme is the potential role of biological and regenerative approaches within an integrated BSR risk-management strategy. Participants will be introduced to the importance of soil health, root health, organic matter, beneficial microbial communities, biological competition and appropriate use of biological inputs as components of a broader plantation management system. These approaches are presented as risk-management and soil-health strategies and not as a guaranteed cure for Ganoderma. The programme positions replanting as a strategic opportunity to reset plantation conditions rather than simply replace old or diseased palms. Participants will explore how BSR risk mapping, management of infected biomass, site preparation, soil and root-zone rehabilitation, establishment of healthy planting material, monitoring and measurable performance indicators can be integrated into a regenerative replanting roadmap. By the end of the course, participants will be better equipped to evaluate available BSR management options, identify priorities for their organization and determine whether a controlled replanting or biological management pilot should be developed.

	Industry Relevance / Focus Area Alignment This programme supports the development of strategic competencies required by Malaysia's oil palm industry in plantation disease-risk management, sustainable replanting, soil and root health, resource efficiency, plantation resilience and evidence-based decision-making. The course is designed to complement existing industry good practices by helping senior decision-makers evaluate integrated management options and develop a structured approach to reducing BSR risk during the next planting cycle.
LEARNING OUTCOME	Upon completion of this course, participants will be able to: 1. Explain the operational and business implications of Ganoderma and Basal Stem Rot (BSR) risk in oil palm plantations. 2. Compare major BSR management approaches and distinguish their respective roles, limitations and implementation considerations. 3. Evaluate the potential role of biological, soil-health and regenerative approaches within an integrated BSR risk-management strategy. 4. Analyze replanting as a strategic opportunity to reduce inherited disease risk and improve soil, root-zone and plantation resilience. 5. Develop a high-level BSR risk and regenerative replanting roadmap incorporating risk assessment, management priorities, pilot actions, monitoring and measurable performance indicators.
DURATION (days)	0.5 day (4 hours)
TARGET PARTICIPANTS (position/level)	• Chief Executive Officers (CEO) • Managing Directors • Chief Operating Officers (COO) • General Managers • Plantation Owners • Plantation Directors • Regional / Plantation Heads • Estate Managers • Agronomy Managers • Sustainability Managers • ESG Managers • Operations Managers • Replanting / Development Managers • Senior technical managers responsible for plantation health, replanting and disease-risk management • Professionals involved in plantation transformation, sustainability and long-term productivity improvement
COURSE CONTENT (with submodules)	MODULE 1: Understanding Ganoderma & BSR as a Business and Plantation Risk Sub-Module 1.1 – Understanding Ganoderma and Basal Stem Rot (BSR) Sub-Module 1.2 – Operational, Productivity and Economic Implications of BSR Sub-Module 1.3 – From Reactive Disease Response to Strategic

	Risk Management MODULE 2: Understanding the BSR Management Solution Landscape Sub-Module 2.1 – Prevention, Sanitation and Plantation Management Practices Sub-Module 2.2 – Monitoring, Early Detection and Risk Mapping Sub-Module 2.3 – Comparing Physical, Cultural, Chemical and Biological Approaches Sub-Module 2.4 – Integrated BSR Management: Roles, Limitations and Decision Considerations MODULE 3: Biological & Regenerative Approaches to Plantation Resilience Sub-Module 3.1 – Soil and Root Health in Plantation Resilience Sub-Module 3.2 – Beneficial Microorganisms, Biological Competition and Root-Zone Ecology Sub-Module 3.3 – Organic Matter, Biological Inputs and Biochar as Supporting Management Tools Sub-Module 3.4 – Evaluating Biological Approaches Through Controlled Pilots and Measurable Outcomes MODULE 4: Replanting as a Strategic Reset Sub-Module 4.1 – BSR Risk Zoning and Replanting Priorities Sub-Module 4.2 – Site Preparation, Infected Biomass Management and Root-Zone Rehabilitation Sub-Module 4.3 – Establishing a More Resilient Next Planting Cycle Sub-Module 4.4 – Developing a High-Level BSR & Regenerative Replanting Roadmap Sub-Module 4.5 – Management KPIs, Monitoring, Pilot Evaluation and Scaling Decisions
LEARNING METHODOLOGIES	Learning Methodologies 1. Interactive Executive Presentation 2. Facilitated Discussion 3. Executive Case Study 4. BSR Risk Scenario Analysis 5. Solution Comparison Exercise 6. Regenerative Replanting Strategy Workshop 7. Management Action Planning Exercise 8. Reflection Exercise 9. Question & Answer