

INTEGRATED GANODERMA & BASAL STEM ROT (BSR) MANAGEMENT IN OIL PALM

Assessment, Prevention, Biological Approaches & Field Action Planning

HRD CORP CLAIMABLE	INDUSTRY SPECIFIC (IS)	1 DAY (8 HOURS)	PROGRAMME NO. 10001745657
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WHY OP202?

Ganoderma-associated Basal Stem Rot (BSR) is a serious plantation management challenge. Effective management requires more than responding to visible symptoms: it calls for systematic field assessment, risk mapping, appropriate sanitation and cultural practices, consideration of biological and other management approaches, and continued monitoring. OP202 provides a practical framework for assessing and managing BSR risk, with particular attention to replanting and new establishment as opportunities to reduce inherited risk. Biological and regenerative approaches are presented as components of integrated risk management - not as a guaranteed cure for Ganoderma.

START WITH THE FIELD QUESTIONS

What field indicators and site history should be considered when assessing BSR risk?
How should affected areas be classified and mapped for management priority?
Which prevention, sanitation, replanting, chemical and biological approaches fit the observed risk?

BY THE END OF THE COURSE, PARTICIPANTS SHOULD BE ABLE TO

Structure and map a practical BSR field assessment.
Compare integrated management approaches and their limitations.
Plan regenerative replanting and a controlled BSR/replanting pilot.
Develop monitoring indicators and a 90-day workplace action plan.

WHO SHOULD ATTEND?

Plantation Managers • Estate Managers • Assistant Managers • Agronomists • Plantation Executives • Field Executives • Sustainability Managers • Replanting / Development Managers • Plantation Supervisors • Technical Officers involved in crop health, replanting or BSR management • Plantation Owners • Smallholder Cooperative Leaders

KEY LEARNING OUTCOMES

- Identify common field indicators, disease-development patterns and operational risk factors associated with Ganoderma and BSR in oil palm.
- Conduct a structured BSR field assessment and classify plantation areas according to observed risk and management priority.
- Compare prevention, monitoring, sanitation, cultural, replanting, chemical and biological approaches and explain their roles and limitations.
- Explain how soil condition, root health, organic matter, beneficial microorganisms and AMF may support plantation resilience within an integrated strategy.
- Develop regenerative replanting measures and a workplace BSR management action plan with monitoring indicators, responsibilities, intervention priorities and follow-up actions.

ASSESS → MAP RISK → INTEGRATE MANAGEMENT → REPLANT → PILOT → MONITOR → 90-DAY ACTION PLAN

OP202 • COURSE OVERVIEW

Integrated Ganoderma & Basal Stem Rot (BSR) Management in Oil Palm

COURSE CONTENT — FROM FIELD ASSESSMENT TO WORKPLACE ACTION

1–2 Understanding BSR, Assessment & Risk Mapping	Recognise disease development, field indicators and risk factors; record palm/block information, classify incidence and severity, map hotspots and management zones, and establish a monitoring baseline.
3 Integrated BSR Management Approaches	Compare prevention, sanitation, affected-palm/residue management, cultural and replanting practices, chemical options and biological control; match responses to field risk.
4 Soil, Root Health & Biological Management	Examine soil condition, root-zone health, organic matter, nutrient cycling, beneficial microorganisms, biological competition, AMF, biochar and organic inputs as integrated support concepts.
5–6 Regenerative Replanting & Controlled Pilot	Use risk maps to prioritise replanting; consider infected biomass, soil/root-zone rehabilitation, healthy planting material and biological support; define pilot objectives, baselines, comparison areas, interventions and indicators.
7–8 Monitoring, KPIs & 90-Day Action Plan	Define BSR incidence, palm survival, growth/productivity and soil/root indicators; assign monitoring responsibilities and records; identify priority blocks, actions, resources and a 90-day improvement plan.

WORKPLACE BSR MANAGEMENT ACTION PLANNING

IDENTIFY PRIORITY BLOCKS → SELECT ACTIONS → ASSIGN RESPONSIBILITIES → 90-DAY PLAN → REVIEW & IMPROVE

Participants bring the programme together by identifying priority BSR problems and blocks, selecting immediate, medium-term and replanting actions, assigning responsibilities and resources, and developing a 90-day BSR management improvement plan.

The course uses field scenarios, risk-mapping, management-response selection, regenerative replanting and controlled-pilot design exercises to support practical, monitored decision-making.

TRAINER & ORGANISATION



Nip Wing Kan
Chairman, Persatuan Petani Organik dan Regeneratif Sabah (SORFA)
SORFA Lead Trainer • Regenerative Agriculture Practitioner • Ganoderma/BSR & Replanting Training • Field Practitioner
Training draws on SORFA's oil-palm field work in soil/root-zone management, biological approaches, nursery/replanting and monitored field implementation in Sabah.

COURSE ENQUIRY & REGISTRATION

SORFA — Sabah Organic & Regenerative Farmers Association

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HRD Corp Training Programme No. 10001745657 • Industry Specific (IS) • 1 Day (8 Hours)