

VERMICULTURE & VERMICOMPOSTING

Practical Conversion of Organic Waste into Valuable Soil Inputs

FA REVIEW PASSED	SMART FARMING	1 DAY	PROGRAMME NO. 10001759646
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WHY CE207?

CE207 is a one-day practical programme for organisations that want to convert suitable organic waste into useful soil inputs through vermiculture and vermicomposting. Participants work directly with feedstocks, C:N balance, conditioning, bedding, worms, monitoring and vermicast assessment. The programme contains 420 learning minutes, including 270 minutes (4.5 hours / 64.3%) of supervised practical/applied learning and 150 minutes of theory/guided instruction.

PRACTICAL 1–3 — FROM WASTE TO A WORKING WORM UNIT

- Map and classify organisational organic-waste streams
- Handle/sort feedstocks and identify suitable vs unsuitable materials
- Work with carbon-rich and nitrogen-rich materials and C:N balance
- Assess conditioning / pre-composting readiness
- Prepare bedding, adjust moisture and prepare feedstock
- Establish or manage a basic vermiculture unit

PRACTICAL 4–6 — MONITOR, ASSESS & PLAN

- Measure / observe temperature, moisture, pH, smell, drainage and aeration
- Diagnose worm activity, decomposition and common operational problems
- Recommend corrective actions
- Assess vermicast maturity, texture, moisture, smell and contamination
- Develop an Organic Waste → Vermiculture → Vermicast implementation plan

WHO SHOULD ATTEND?

Plantation & Mill Managers / Executives • Sustainability & ESG Personnel • Environmental & Waste-Management Personnel • Farm Managers & Supervisors • Composting & Organic-Waste Operators • Food & Agro-Processing Personnel • Agricultural / Field Executives • Technical Officers • Farmers & Smallholders • Cooperative & Community Project Leaders • Organic-Fertiliser / Vermicast / Soil-Input Entrepreneurs • Personnel responsible for organic-waste recovery or circular-economy initiatives

EXPECTED OUTCOMES — WHAT PARTICIPANTS WILL LEAVE WITH

- Ability to identify and classify suitable, unsuitable and conditionally usable organic feedstocks, including carbon-rich and nitrogen-rich materials.
- Practical ability to use C:N ratio, conditioning, bedding, moisture, temperature, aeration and pH principles when preparing a worm system.
- Hands-on experience preparing bedding/feedstock and establishing or managing a basic vermiculture unit safely and consistently.
- Ability to conduct a worm-bed health check, interpret operating conditions and recommend corrective actions for common problems.
- Ability to assess basic vermicast maturity, handling and agricultural-use considerations, plus an Organic Waste → Vermiculture → Vermicast implementation plan.

IDENTIFY WASTE → BALANCE C:N → CONDITION → ESTABLISH WORMS → MONITOR → HARVEST VERMICAST → IMPLEMENT

CE207 • PRACTICAL COURSE OVERVIEW

Vermiculture & Vermicomposting: Practical Conversion of Organic Waste into Valuable Soil Inputs

64.3% SUPERVISED PRACTICAL / APPLIED LEARNING

PRACTICAL 1 Organic-Waste Identification	Handle and classify sample waste materials, separate suitable/unsuitable fractions and identify potential vermiculture uses.
PRACTICAL 2 C:N Balance, Blending & Readiness	Classify carbon-rich and nitrogen-rich materials, prepare C:N-informed blends, assess conditioning needs and determine readiness for worm introduction.
PRACTICAL 3 Core Hands-On Vermiculture Setup	Prepare bedding and feedstock, adjust moisture, establish/manage the worm unit and participate in setup, feeding and recording under trainer supervision.
PRACTICAL 4–5 Health Check & Vermicast Assessment	Monitor temperature, moisture, pH and physical indicators; diagnose problems and corrective actions; assess vermicast maturity, handling and quality considerations.
PRACTICAL 6 Organisational Implementation Plan	Build a basic plan covering feedstock, pre-treatment, site, workflow, monitoring, output use, risks and controls.

WHAT PARTICIPANTS ACTUALLY DO

WASTE STREAM → FEEDSTOCK → WORM SYSTEM → VERMICAST → ORGANISATIONAL PLAN

CE207 is built around six practical/applied activities. Participants map waste streams, handle and classify feedstocks, prepare C:N-informed blends, assess conditioning readiness, prepare bedding and establish/manage a worm unit, diagnose worm-bed conditions, assess vermicast and complete an organisational implementation plan.

FOCUS AREA • SMART FARMING • 1 DAY / 7 LEARNING HOURS • PROGRAMME NO. 10001759646

TRAINER & ORGANISATION



Nip Wing Kan
Chairman, Persatuan Petani Organik dan Regeneratif Sabah (SORFA)
SORFA Lead Trainer • Regenerative Agriculture & Circular Economy Practitioner • Vermiculture / Organic-Waste Recovery
Training connects circular organic-waste management with hands-on vermiculture, vermicast production, biological processing and regenerative soil-input applications.

COURSE ENQUIRY & IN-HOUSE / PRACTICAL ARRANGEMENT

SORFA — Sabah Organic & Regenerative Farmers Association

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CE207 • Focus Area — Smart Farming • 1 Day / 7 Learning Hours • FA Review Passed — Programme No. 10001759646