

## Our Environmental Stewardship



> Empty Fruit Bunch application at Bukit Lawang Estate.

### Waste Management

#### Why It Matters

**By responsibly managing waste and maximising the reuse of by-products, we reduce our environmental impact and contribute to the circular economy.**

#### Our Approach

##### Managing Hazardous & Non-Hazardous Waste

We are committed to upholding responsible waste management by adhering to environmental regulations and implementing best practices for disposal. Our waste management strategy includes both scheduled (hazardous) and non-hazardous waste, ensuring compliance with Malaysia's Environmental Quality (Scheduled Wastes) Regulations 2005. Under these regulations, hazardous waste can only be maintained on-site for no more than 180 days and cannot exceed 20 MT at any given time.

On average, we generate less than 10 MT of waste per month across our sites. For hazardous waste, we work with third-party contractors endorsed by the DOE to ensure proper disposal, closely monitoring collection records provided by these contractors and submitting detailed reports to the DOE on a monthly basis. For non-hazardous and domestic waste, meanwhile, we engage licensed waste collectors to ensure appropriate disposal methods are used.

Our newer mills feature advanced processing technology designed to improve operational efficiency and reduce waste generation. Looking ahead, we aim to enhance our waste management efforts by tracking and reporting our total domestic waste collected with the aim of driving progressive improvement over time.

#### Waste Generation & Disposal

Item	2024
Waste Generated (MT)	462,616
Total waste diverted from disposal (%)	84
Total waste directed to disposal (%)	16

##### Note:

Waste source: EFB, shells, fibres, scheduled (hazardous) waste and non-hazardous waste.

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## Reutilising Biomass Residue

We transform biomass residue, a by-product of processing FFB into CPO and PK, into fuel and natural fertilisers, creating a sustainable resource that can be used within our operations and beyond.

### How We Reuse Biomass Residue

**EFBs:**

- Used as natural fertilisers in our West Malaysian plantations through mulching.
- Incinerated to produce bunch ash (Sarawak mills only), which is then used to fertilise peatlands.

**Shells:**

- Used as fuel for boiler systems.
- Sold to other plantations or industries as a renewable fuel source.

**Fibres:**

- Used as fuel for boiler systems.

### Total Biomass Residue Amount Produced (MT)

EFBs	222,047.85
Shells	78,665.36
Fibres	160,876.11

### Total Biomass Residue Amount Reutilised (MT)

EFBs	147,383.57
Shells	78,665.36
Fibres	160,876.11



Fibres from palm oil used as fuel for boiler systems.