

**Wilmar International Limited**  
**Sustainability Report 2022: Base Data Tables**

A hashtag symbol (#) in the base data file denotes figures on which Ernst & Young LLP has performed limited assurance procedures and an asterisk symbol (\*) denotes figures on which Control Union Certifications has performed limited assurance procedures.

**OVERVIEW OF OPERATIONS**

2-6

Palm oil production (MT)

	<b>2022</b>	<b>2021</b>	<b>2020</b>	<b>2019</b>	<b>2018</b>
Fresh fruit bunches (FFB) production	4,434,011	4,005,083	4,030,264	3,914,613	4,189,728
FFB processed	9,823,810	9,062,682	8,739,363	9,758,924	9,435,941
Crude palm oil (CPO)	1,869,260	1,741,803	1,716,131	1,903,413	1,966,505
Palm kernel (PK)	443,816	419,047	413,089	467,064	482,977

Sugarcane production – Wilmar plantations (MT)

	<b>2022</b>	<b>2021</b>	<b>2020</b>
Australia	525,434	523,734	494,839
Myanmar	13,580	15,376	12,228

Oil palm plantations' planted area by country (ha)

	<b>2022</b>	<b>2021</b>	<b>2020</b>	<b>2019</b>	<b>2018</b>
Indonesia	151,521	151,925	151,971	152,754	152,929
Malaysia	59,793	58,187	59,700	59,869	58,164
Ghana	4,738	4,738	4,738	4,738	4,738
Nigeria	15,646	15,631	15,643	15,580	14,578
<b>Total</b>	<b>231,697</b>	<b>230,481</b>	<b>232,053</b>	<b>232,940</b>	<b>230,409</b>

Sugarcane plantations' planted area by country (ha)

	<b>2022</b>	<b>2021</b>	<b>2020</b>
Australia	7,072	7,072	6,904
Myanmar	339	401	520

## PROTECTING THE ENVIRONMENT

### Biodiversity and Conservation

304-3

Total conservation area by type (ha)

Type of conservation area	2022	2021	2020	2019	2018
High conservation values (HCV) (excluding riparian zones)	26,418	26,419	25,574	25,513	25,030
High carbon stock (HCS)	22	22	22	22	22
Riparian zones	6,104	6,005	6,044	5,840	4,561
Other conservation areas (sugar)	834	834	826	826	675
<b>Total</b>	<b>33,378</b>	<b>33,281</b>	<b>32,466</b>	<b>32,201</b>	<b>30,288</b>

Total conservation area by region (ha)

Region	2022	2021	2020	2019	2018
Sabah	6,775	6,674	6,674	6,745	6,069
Sarawak	1,725	1,725	1,725	1,725	1,722
Central Kalimantan	15,090	15,087	15,087	15,086	15,084
West Kalimantan	1,930	1,921	1,921	1,920	2,010
Sumatra	2,988	3,002	3,009	3,009	3,011
Ghana	83	83	83	83	83
Nigeria	3,953	3,955	3,142	2,807	1,633
Australia	675	675	675	675	675
India	159	159	151	151	0
Myanmar	0	0	0	0	0
<b>Total</b>	<b>33,378</b>	<b>33,281</b>	<b>32,467</b>	<b>32,201</b>	<b>30,287</b>

Conserved and planted peat area by region (ha) in 2022

Region	Planted peat area	Conserved peat area
Sabah	10 <sup>#</sup>	0
Sarawak	88 <sup>#</sup>	0
Central Kalimantan	0 <sup>#</sup>	0
West Kalimantan	15 <sup>#</sup>	0
Sumatra	1,593 <sup>#</sup>	0.74
Ghana	0	0
Nigeria	0	0
<b>Total</b>	<b>1,706<sup>#</sup></b>	<b>0.74</b>

### Hotspots vs actual fires by region in Indonesia in 2022

	Wilmar's concessions			Within a 5km radius outside of Wilmar concessions	
	No. of hotspots detected	No. of actual fires	Area affected (ha)	No. of hotspots detected	No. of actual fires
Central Kalimantan	7	7	26.5	18	14
West Kalimantan	27	1	0.6	870	21
Sumatra	40	16	23.4	128	81
<b>Total</b>	<b>74</b>	<b>24</b>	<b>50.5</b>	<b>1,016</b>	<b>116</b>

### Hotspots vs actual fires by region in Indonesia

	Wilmar's concessions					Within a 5km radius outside of Wilmar concessions				
	2022	2021	2020	2019	2018	2022	2021	2020	2019	2018
No. of hotspots detected	74	73	31	143	41	1,016	1,229	823	1,607	791
No. of actual fires	24	51	27	166	64	116	192	123	214	98
Total affected area (ha)	50.5	77.6	70.6	953.9	423.3	160.7	1,009.3	390.2	6,962.1	960.7

### **Climate Change**

305-1, 305-2, FB-AG-110a.1

### Scope 1 and Scope 2 emissions by business activity (tCO<sub>2</sub>e) in 2022

	Scope 1	Scope 2 (location-based)	Scope 2 (market-based)
Oil palm plantations	2.5 million	6,100	6,100
Palm oil mills	1.3 million	2,200	2,200
Sugarcane plantations	8,400	1,100	1,100
Sugar mills	0.2 million	33,000	33,000
Factories	5.2 million	4.9 million	4.8 million
Shipping	1.1 million	0	0
<b>Total</b>	<b>10.3 million</b>	<b>4.9 million</b>	<b>4.9 million</b>

*Note: Scope 1 and Scope 2 emissions are calculated based on the GHG Protocol, the world's most widely used GHG accounting standards for companies and include the following gases: CO<sub>2</sub>, CH<sub>4</sub> and N<sub>2</sub>O. The global warming potential (GWP) rates used are from the Intergovernmental Panel on Climate Change (IPCC) Sixth Assessment Report (AR6). The operational control approach is used to consolidate GHG emissions. Non-manufacturing sites such as headquarters/offices are excluded.*

## Environmental Footprint of Operations

### Energy

302-1, 302-3, FB-AG-130a.1, FB-PF-130a.1,

Total energy consumption within the organisation by business activity (MWh)

Business activity	2022	2021
Oil palm plantations	166,678	247,179
Palm oil mills	5,751,031	5,432,400
Sugarcane plantations	11,617	11,339
Sugar mills	22,081,245	17,476,099
Factories	25,939,901	23,363,638
Shipping	3,915,577	3,959,966
<b>Total energy consumption</b>	<b>57,866,049</b>	<b>50,490,621</b>
<b>Energy intensity (MWh per MT of product)</b>	<b>0.57</b>	<b>0.50</b>

*Note: 2021 figures have been restated due to a change in boundary based on updated operational control criteria and improved accounting method to better align with the new GRI Standards and various sustainability reporting frameworks*

Total energy consumption within the organisation (TJ) in 2022

<b>Fuel consumption</b>	
Total fuel consumption from non-renewable sources	74,279
Total fuel consumption from renewable sources	115,129
<b>Electricity, heating and steam consumption</b>	
Electricity consumption from non-renewable sources	18,872
Electricity consumption from renewable sources	633
Heating consumption from non-renewable sources	0
Heating consumption from renewable sources	0
Steam consumption	5,664
<b>Electricity, heating and steam sold</b>	
Electricity sold (non-renewable)	374
Electricity sold (renewable)	1,897
Heating sold	0
Steam sold	3,989
<b>Total energy consumption</b>	<b>208,318</b>

*Note: Type of fuels from non-renewable sources used include diesel, natural gas, lignite coal, sub-bituminous coal, other bituminous coal, lubricants, motor gasoline, liquefied petroleum gas (LPG), heavy fuel oil (HFO), anthracite coal and acetylene. Types of fuels from renewable sources include biogas, wood biomass, other solid biomass fuels, biodiesel and bioethanol.*

# Water

303-3, 303-5, FB-AG-140a.1

## Water withdrawal by source (ML) in 2022

	All areas		Areas with water stress	
	Freshwater (≤1,000 mg/L total dissolved solids)	Other water (>1,000 mg/L total dissolved solids)	Freshwater (≤1,000 mg/L total dissolved solids)	Other water (>1,000 mg/L total dissolved solids)
Surface water	66,733	1,248	6,115	0
Groundwater	18,688	579	1,145	0
Seawater	0	36,612	0	8,636
Produced water	0	0	0	0
Third-party water	29,066	825	6,615	493
<b>Total</b>	<b>114,488</b>	<b>39,265</b>	<b>13,875</b>	<b>9,129</b>
<b>Total water withdrawal</b>	<b>153,752</b>		<b>23,004</b>	

## Total water consumption (ML) in 2022

	All areas	Areas with water stress
Total water withdrawal	153,752	23,004
Total water discharge	69,329	15,432
<b>Total water consumption</b> (Total water withdrawal – Total water discharge)	<b>84,423</b>	<b>7,572</b>

# Effluents

303-4

## Water discharge by destination (ML) in 2022

	Freshwater (≤1,000 mg/L total dissolved solids)	Other water (>1,000 mg/L total dissolved solids)
Surface Water	4,558	788
Groundwater	144	0
Seawater	6,458	34,959
Third-party water sent for use to other organisations	8,948	13,473
<b>Total</b>	<b>20,109</b>	<b>49,220</b>

## Water discharge by freshwater and other water and by area (ML) in 2022

	Freshwater (≤1,000 mg/L total dissolved solids)	Other water (>1,000 mg/L total dissolved solids)	Total
All areas (excluding water stress areas)	14,197	39,700	53,897
Areas with water stress	5,912	9,521	15,432
<b>Total</b>	<b>20,109</b>	<b>49,220</b>	<b>69,329</b>

Palm oil mill effluent's (POME) biological oxygen demand (BOD) levels by region and discharge destination (mg/L)

	2022	2021	2020	2019	2018
<b>River discharge</b>					
Sabah (land irrigation)	16 <sup>#</sup>	18	21	28	32
Sarawak	17 <sup>#</sup>	12	22	20	17
Sumatra	49 <sup>#</sup>	58	56	52	58
West Kalimantan	74 <sup>#</sup>	67	79	87	89
<b>Land application</b>					
Ghana	264 <sup>#</sup>	280	205	150	175
Nigeria	10 <sup>#</sup>	23	NA	NA	NA
Central Kalimantan	548 <sup>#</sup>	446	481	566	1,052
Sumatra	904 <sup>#</sup>	1,197	1,075	1,244	982
West Kalimantan	374 <sup>#</sup>	252	889	934	312

Note:

1. BOD legal limits for river discharge range from 20 mg/L to 100 mg/L across the regions where we operate. For Sabah, limits may vary depending on the year a mill was constructed.
2. BOD legal limit for land application in Indonesia is 5,000 mg/L and is not applicable for Nigeria. Ghana's effluent discharge standard for the oil and fats processing sector is generalised at BOD of 50 mg/L (regardless of discharge destination or type of oil processing plant). Our Benso Oil Palm Plantation (BOPP) estate demonstrated to local authorities that its effluents have been reused for irrigation in the plantation without discharging into any water body. All operations were compliant with relevant local thresholds and no further issue or penalty was given by the local authorities in 2022.

Palm oil refinery effluent's (PORE) chemical oxygen demand (COD) levels, by country and discharge destination (mg/L)

	Discharge to external water bodies			Discharge to external third parties		
	2022	2021	2020	2022	2021	2020
Africa	138 <sup>#</sup>	164	154	989 <sup>#</sup>	1,011	1033
Indonesia	54 <sup>#</sup>	62	60	84 <sup>#</sup>	97	165
Malaysia	66 <sup>#</sup>	78	80	NA	NA	NA

Note: COD regulatory limits range from 80 mg/L to 5,000mg/L across the regions where we operate depending on permits.

Waste  
306-3, 306-4, 306-5

Waste generated, diverted and disposed by type (MT) in 2022

	Waste generated	Waste diverted from disposal	Waste directed to disposal
Biomass	1,624,288	1,521,955	102,333
Metals	33,943	33,943	0
Paper/cardboard	11,631	11,631	0
Glass	57	57	0
Plastics	10,032	10,032	0
Residual waste	89,854	0	89,854
Ash/cinder - Boiler/thermal oil heater/hot water heater	0	0	0
Any others	1,951,841	685,286	1,266,555
<b>Total Waste</b>	<b>3,721,645</b>	<b>2,262,904</b>	<b>1,458,741</b>

Waste diverted from disposal (on-site and off-site) by recovery operation (MT) in 2022

Hazardous waste	Off-site	On-site	Total
Preparation for reuse	21	0	21
Recycling	28,913	216,923	245,836
Other recovery options	5,540	9	5,548
<b>Total</b>	<b>34,475</b>	<b>216,931</b>	<b>251,406</b>
Non-hazardous waste	Off-site	On-site	Total
Preparation for reuse	1,642,226	178,275	1,820,502
Recycling	84,988	5,676	90,664
Other recovery options	100,188	145	100,333
<b>Total</b>	<b>1,827,402</b>	<b>184,096</b>	<b>2,011,498</b>
<b>Total waste prevented (Hazardous waste + non-hazardous waste)</b>	<b>1,861,877</b>	<b>401,028</b>	<b>2,262,904</b>

Waste directed to disposal (on-site and off-site) by disposal operation (MT) in 2022

Hazardous waste	Off-site	On-site	Total
Incineration (with energy recovery)	110	2,440	2,550
Incineration (without energy recovery)	431	319	750
Landfilling	2,673	7,406	10,078
Other disposal operations	48,315	93,513	141,828
<b>Total</b>	<b>51,529</b>	<b>103,678</b>	<b>155,207</b>
Non-hazardous waste	Off-site	On-site	Total
Incineration (with energy recovery)	1,301	99,893	101,194
Incineration (without energy recovery)	3,212	85,891	89,103
Landfilling	177,715	196,221	373,936
Other disposal operations	687,810	51,491	739,301
<b>Total</b>	<b>870,038</b>	<b>433,496</b>	<b>1,303,535</b>
<b>Total waste directed to disposal (Hazardous waste + non-hazardous waste)</b>	<b>921,567</b>	<b>537,174</b>	<b>1,458,741</b>

Use of upstream solid waste from our palm oil operations (MT) in 2022

	<b>Empty fruit bunches (EFB)</b>	<b>Mesocarp fibre and palm kernel shells</b>
Consumed for energy recovery	176,070	1,543,195
Mulched/composted	1,329,001	0
<b>Total</b>	<b>1,505,071</b>	<b>1,543,195</b>

Chemical usage in oil palm plantations (kg of active ingredients per ha)

	<b>2022</b>	<b>2021</b>	<b>2020</b>	<b>2019</b>	<b>2018</b>
Malaysia	2.3	2.6	2.4	2.3	2.0
Indonesia	1.4	1.3	1.1	1.1	1.1
Ghana	0.6	0.8	0.9	1.1	1.8
Nigeria	2.6	0.87	0.45	1.9	0.82

Chemical usage in sugar farms (kg per ha)

	<b>2022</b>	<b>2021</b>	<b>2020</b>	<b>2019</b>	<b>2018</b>
Australia	4.6	6.1	5.0	4.1	3.6

*Note: The Bonsucro limit is of <5.*

**Sustainable Packaging**

301-1, FB-PF-410a.1

Total weight of materials used for packaging (MT) in 2022

<b>Plastics</b>		<b>Non-plastics</b>	
<b>Renewable</b>	<b>Non-renewable</b>	<b>Renewable</b>	<b>Non-renewable</b>
0	268,287	862,929	15,652

Weight of non-plastic packaging by plastic, paper, metal and glass (MT), and recycled content (%) in 2022

<b>Packaging material</b>	<b>Total</b>	<b>Recyclable</b>	<b>Compostable</b>	<b>Recycled</b>
	<b>MT</b>	<b>%</b>	<b>%</b>	<b>%</b>
Plastic	268,287	88	0	1
Wood/paper fiber	862,929	100	0	100
Metal	4,374	100	0	17
Glass	11,278	100	0	99
<b>Total</b>	<b>1,146,868</b>	<b>97</b>	<b>0</b>	<b>76</b>



## LOOKING AFTER PEOPLE AND COMMUNITIES

### Talent Management

2-6, 2-7, 2-8, 401-1, 404-1

#### Proportion of full-time and part-time employees (%) in 2022

Full-time employees	94
Part-time employees	6

#### Proportion of permanent and temporary contract employees (%) in 2022

Permanent employees	77
Temporary employees	23

#### Breakdown of employees by employment type, by gender (%) in 2022

	Male	Female
Full-time employees	77	23
Part-time employees	61	39

#### Breakdown of employees by employment contract, by gender (%) in 2022

	Male	Female
Permanent employees	77	23
Temporary employees	71	29

#### Breakdown of employees by region (%) in 2022

Africa	6.5
Australia & New Zealand	4.7
Europe	0.2
India	1.8
People's Republic of China	29.5
South East Asia	55.6
Others	1.7

#### Breakdown of employees by employment type by region (%) in 2022

	Full-Time	Part-Time
Africa	6.19	15.17
Australia & New Zealand	4.65	4.55
Europe	0.13	0.29
South East Asia	53.75	79.88
India	1.97	0
People's Republic of China	31.43	0
Others	1.88	0.11

Breakdown of employees by employment contract by region (%) in 2022

	<b>Permanent</b>	<b>Temporary</b>
Africa	8.37	1.74
Australia & New Zealand	5.29	2.43
Europe	0.24	0.23
South East Asia	64.49	24.67
India	2.34	0.09
People's Republic of China	17.38	70.01
Others	1.89	0.83

Average amount spent on training and development, by employee category (US\$) in 2022

Executive management	979.65
Senior management	95.75
Middle management	106.56
Junior management	50.68
Non-management	26.40
Factory workers	54.36
Plantation workers	1.55

*Note: Data excludes the USA due to legal restrictions in providing a breakdown of the data.*

Average amount spent on training and development, by age (US\$) in 2022

< 30 years	35.77
30-50 years	19.60
> 50 years	118.72

Average amount spent on training and development, by gender (US\$) in 2022

Male	29.99
Female	38.10

Average hours of training per employee, by employee category in 2022

Executive management	75.46
Senior management	21.3
Middle management	28.4
Junior management	30.9
Non-management	19.0
Factory workers	19.8
Plantation workers	2.3

Average hours of training per employee, by age in 2022

< 30 years	16.65
30-50 years	13.56
> 50 years	19.63

Average hours of training per employee, by gender in 2022

Male	15.18
Female	14.28

Proportion of employees who responded that they feel engaged in engagement survey, by employee category (%)

Executive management	100
Senior management	100
Middle management	98
Junior management	99
Non-management	99
Factory workers	97
Plantation workers	89

New employee hires and voluntary turnover rates, by gender (%) in 2022

	Male	Female
Total new employee hires rate	8	3
Total employee turnover rate	10	3
Total voluntary employee turnover rate	7	2

New employee hires and voluntary turnover rates, by age group (%) in 2022

	<30 years old	30-50 years old	>50 years old
Total new employee hire rate	6	4	0
Total employee turnover rate	19	10	15
Total voluntary employee turnover rate	4	5	0

New employee hires and voluntary turnover rates, by employee category (%) in 2022

	Executive management	Senior management	Middle management	Junior management	Non-management	Factory workers	Plantation workers
Total new employee hire rate	2	3	6	6	11	17	6
Total employee turnover rate	5	7	7	10	15	12	14
Total voluntary employee turnover rate	4	4	5	8	11	9	9

**Human Rights and Labour Standards**  
202-1

All Wilmar employees across the Group are paid at or above (ratio of at least 1) the legal minimum wages of their respective regions or countries.

## Diversity and Inclusion

405-1, 405-2

### Gender diversity by employee category (%) in 2022

	<b>Male</b>	<b>Female</b>
Executive management	92	8
Senior management	85	15
Middle management	76	24
Junior management	70	30
Non-management	70	30
Factory workers	87	13
Plantation workers	71	29

### Age diversity by employee category (%) in 2022

	<b>&lt; 30 years</b>	<b>30-50 years</b>	<b>&gt; 50 years</b>
Executive management	0	44	56
Senior management	0	60	40
Middle management	2	77	21
Junior management	8	84	8
Non-management	32	61	7
Factory workers	32	59	9
Plantation workers	29	65	6

### Ratio of weighted average annual basic salary and average annual remuneration, by employee category in 2022

	<b>Ratio female to male (Basic salary)</b>	<b>Ratio female to male (Annual remuneration)</b>
Executive management	1.22	0.95
Senior management	0.97	1.01
Middle management	0.90	0.97
Junior management	1.06	1.05
Non-management	1.56	1.50
Factory workers	1.16	1.06
Plantation workers	0.89	0.86

**Employee Health, Safety and Well-being**  
403-9, FB-AG-320a.1

Fatalities and Fatality Rate (FR): Employees and contractors in 2022

	Employees		Contractors	
	Fatalities	FR per 200,000 hours worked	Fatalities	FR per 200,000 hours worked
Oil palm plantations	2 <sup>#</sup>	0.004	1 <sup>#</sup>	0.049
Palm oil mills	2 <sup>#</sup>	0.029	0 <sup>#</sup>	0.000
Sugarcane plantation	0 <sup>#</sup>	0.000	0 <sup>#</sup>	0.000
Sugar mills	0 <sup>#</sup>	0.000	0 <sup>#</sup>	0.000
Factories	0 <sup>#</sup>	0.000	5 <sup>#</sup>	0.012
<b>Wilmar Group</b>	<b>4<sup>#</sup></b>	<b>0.004</b>	<b>6<sup>#</sup></b>	<b>0.013</b>
<b>Total Fatalities</b>	<b>10<sup>#</sup></b>			
<b>Total FR</b>	<b>0.006</b>			

Lost Time Injury (LTI) and Lost Time Injury Frequency Rate (LTIFR): Employees and contractors in 2022

	Employees		Contractors	
	LTI	LTIFR	LTI	LTIFR
Oil palm plantations	709	1.53	19	0.94
Palm oil mills	36	0.52	2	0.43
Sugarcane plantation	0	0	0	0
Sugar mills	42	0.85	7	0.22
Factories	116	0.21	62	0.15
<b>Wilmar Group</b>	<b>903</b>	<b>0.79</b>	<b>90</b>	<b>0.19</b>
<b>Total LTI</b>	<b>993</b>			
<b>Total LTIR</b>	<b>0.61</b>			

Lost Work Days (LWD) and Lost Work Days Rate (LWDR): Employees and contractors in 2022

	Employees		Contractors	
	LWD	LWDR	LWD	LWDR
Oil palm plantations	2,862	6.16	304	15.01
Palm oil mills	927	13.52	18	3.84
Sugarcane plantation	0	0	0	0
Sugar mills	887	18.01	102	3.23
Factories	2,538	4.59	2,590	6.12
<b>Wilmar Group</b>	<b>7,214</b>	<b>6.35</b>	<b>3,014</b>	<b>6.28</b>
<b>Total LWD</b>	<b>10,228</b>			
<b>Total LWDR</b>	<b>6.33</b>			

Permanent Disabilities (PD) and Permanent Disability Rate (PDR): Employees and contractors in 2022

	Employees		Contractors	
	PD	PDR	PD	PDR
Oil palm plantations	2	0.004	0	0
Palm oil mills	2	0.029	0	0
Sugarcane plantation	0	0	0	0
Sugar mills	0	0	0	0
Factories	2	0.004	4	0.009
<b>Wilmar Group</b>	<b>6</b>	<b>0.005</b>	<b>4</b>	<b>0.008</b>
<b>Total LWD</b>	<b>10</b>			
<b>Total LWDR</b>	<b>0.006</b>			

**Economic and Community Contribution  
201-1**

Contributions by type (US\$) in 2022

Cash contribution	15,737,224
Employee time	71,732
In-kind donations	4,409,143
Management costs	4,317,728
<b>Total</b>	<b>24,535,827</b>

Contributions by motivation (US\$) in 2022

Charitable donations	17,441,621
Community investment	6,222,353
Commercial initiatives	871,853
<b>Total</b>	<b>24,535,827</b>

Infrastructure area in palm oil operations (ha)

Region	2022	2021	2020	2019
Sabah	3,628	3,595	3,595	3,570
Sarawak	2,367	2,428	2,428	2,461
Central Kalimantan	3,832	3,797	3,780	3,776
West Kalimantan	1,242	1,253	1,243	1,221
Sumatra	2,336	2,274	2,261	2,232
Nigeria	994	1,006	1,040	974
Ghana	145	145	145	145
<b>Total</b>	<b>14,543</b>	<b>14,497</b>	<b>14,491</b>	<b>14,380</b>

## DELIVERING PRODUCT EXCELLENCE

### Innovation and Technology

#### FFB yield and CPO/PK extraction rates

	2022	2021	2020	2019	2018
FFB yield (MT FFB/ha)	21.0	19.6	20.4	20.1	21.6
CPO extraction rate (%)	19.5	19.5	19.9	19.5	19.9
PK extraction rate (%)	4.6	4.6	4.7	4.8	4.9

#### Sugarcane yield (MT/ha)

	2022	2021	2020
Australia	100.6	96.4	90.6
Myanmar	44.8	40.8	30.2

### Product Marketing and Labelling

#### RSPO certification status

	2022	2021	2020	2019	2018
<b>RSPO-certified, own plantation area (ha)</b>	<b>251,906* (81%)</b>	<b>245,066 (79%)</b>	<b>239,516 (77%)</b>	<b>229,301 (74%)</b>	<b>222,318 (76%)</b>
Sabah	49,338	49,365	49,365	49,365	49,365
Sarawak	26,513	26,513	26,513	26,513	26,513
Central Kalimantan	94,366	94,366	94,366	94,367	94,367
West Kalimantan	11,829	11,829	11,829	11,830	4,847
Sumatra	53,566	52,294	52,294	42,077	47,077
Nigeria	11,145	5,550	0	0	0
Ghana	5,149	5,149	5,149	5,149	5,149
<b>RSPO-certified, scheme smallholder area (ha)</b>	<b>6,573 (15%)</b>	<b>5,095 (12%)</b>	<b>5,095 (12%)</b>	<b>5,095 (12%)</b>	<b>3,690 (9%)</b>
Indonesia	3,445	3,445	3,445	3,445	2,040
Ghana	3,128	1,650	1,650	1,650	1,650
Nigeria	0	0	0	0	0
<b>RSPO-certified mills (no.)</b>	<b>29* (81%)</b>	<b>28 (78%)</b>	<b>27 (75%)</b>	<b>26 (72%)</b>	<b>25 (69%)</b>
Sabah	6	6	6	6	6
Sarawak	2	2	2	2	2
Central Kalimantan	8	8	8	8	8
West Kalimantan	2	2	2	2	1
Sumatra	9	8	8	7	7
Nigeria	1	1	0	0	0
Ghana	1	1	1	1	1
<b>RSPO-certified refineries (no.)</b>	<b>139 (95%)</b>	<b>138 (99%)</b>	<b>133 (98%)</b>	<b>113 (84%)</b>	<b>102 (78%)</b>
Indonesia	48	47	44	45	43
Malaysia	22	22	22	22	19
China	54	55	54	33	27
Vietnam	7	7	6	6	6
Europe	1	1	1	1	1
Africa	4	3	3	3	3
Others	3	3	3	3	3

#### MSPO certification status

	2022	2021	2020	2019	2018
Mills	9*	9	9	9	8
Downstream operations	19	19	18	16	-

*Note: Downstream operations include: Refineries, warehouses, kernel crushing plants, oleochemical plants and biodiesel plants.*

#### ISPO certification status

	2022	2021	2020	2019	2018
<b>ISPO certified mills</b>	<b>15*</b> <b>(44%)</b>	<b>15</b> <b>(44%)</b>	<b>14</b> <b>(41%)</b>	<b>11</b> <b>(32%)</b>	<b>8</b> <b>(24%)</b>
Independent mills	5*	5	4	1	0
Mills with own plantations	10	10	10	10	8

#### ISCC certification status

	2022	2021	2020	2019	2018
<b>ISCC certified sites (no.)</b>	<b>45</b>	<b>42</b>	<b>42</b>	<b>37</b>	<b>35</b>
Palm oil mills	20	20	20	20	20
Palm oil refineries	15	13	12	10	8
Traders	3	2	2	1	1
Biodiesel plants	3	3	3	3	3
Bulking terminals	2	2	2	2	0
Warehouses	0	0	1	1	3
Kernel crushing plants	1	1	1	0	0
Oleochemical plants	1	1	1	0	0

#### Certified sustainable palm oil

	2022	2021	2020	2019	2018
<b>Certified sustainable palm oil (MT)</b>	<b>863,595</b> <b>(46%)</b>	<b>753,301</b> <b>(43%)</b>	<b>767,866</b> <b>(45%)</b>	<b>720,816</b> <b>(38%)</b>	<b>680,935</b> <b>(35%)</b>
Malaysia	277,049	218,255	221,498	212,649	214,395
Indonesia	552,325	504,957	525,158	486,768	448,719
Ghana	21,903	22,368	21,210	21,399	17,821
Nigeria	12,319	7,721	0	0	0
<b>Certified sustainable palm kernels (MT)</b>	<b>190,804</b> <b>(43%)</b>	<b>170,253</b> <b>(41%)</b>	<b>175,996</b> <b>(43%)</b>	<b>161,442</b> <b>(35%)</b>	<b>148,934</b> <b>(31%)</b>
Malaysia	52,995	42,890	43,309	41,612	41,908
Indonesia	129,902	119,912	127,132	114,225	102,696
Ghana	5,764	5,872	5,555	5,605	4,330
Nigeria	2,142	1,579	0	0	0
<b>Certified sustainable FFB from Wilmar plantations (MT)</b>	<b>4,026,647</b> <b>(87%)</b>	<b>3,677,648</b> <b>(86%)</b>	<b>3,652,009</b> <b>(88%)</b>	<b>3,336,288</b> <b>(77%)</b>	
Malaysia	1,224,281	1,158,262	1,176,512	979,481	
Indonesia	2,645,997	2,401,032	2,394,198	2,254,907	
Ghana	102,808	83,270	81,300	101,900	
Nigeria	53,560	35,084	0	0	



<b>Certified sustainable FFB purchased from independent smallholders/ outgrowers (MT)</b>	<b>25,019 (0.48%)</b>	<b>24,138 (0.50%)</b>	<b>44,038 (0.96%)</b>	<b>31,955 (0.59%)</b>	
Malaysia	25,019	24,138	19,363	31,955	
Indonesia	0	0	24,674	0	
Ghana	0	0	0	0	
Nigeria	0	0	0	0	

*Note: 2020 FFB purchased from independent smallholders figure has accounted for independent smallholders who have taken part in our scheme smallholders programme which has since been re-aligned under the correct categorization.*

## TRANSFORMING OUR SUPPLY CHAIN

### Responsible Sourcing and Supply Chain Transformation

#### Smallholders

	2022	2021	2020	2019	2018
<b>No. of scheme smallholders</b>	<b>27,817</b>	<b>27,931</b>	<b>10,738</b>	<b>16,064</b>	<b>15,883</b>
Malaysia	0	0	0	0	0
Indonesia	27,438	27,438	10,238	15,583	15,402
Ghana	305	438	438	438	438
Nigeria	74	55	62	43	43
<b>Scheme smallholder planted (ha)</b>	<b>36,390</b>	<b>35,682</b>	<b>10,011</b>	<b>35,392</b>	<b>35,799</b>
Malaysia	0	0	0	0	0
Indonesia	34,740	34,032	8,361	33,742	34,149
Ghana	1,650	1,650	1,650	1,650	1,650
Nigeria	470	76	180	150	85

*Note: Nigeria planted area for scheme smallholders is in immature stage and not harvested yet. Hence, it was not included under the total scheme smallholder planted area.*

#### FFB processed by Wilmar palm oil mills in 2022

	MT	%
Wilmar plantations	4,429,025	45.1
Scheme smallholders	174,636	1.8
Third-party suppliers	5,220,149	53.1

*Note: Third-party suppliers include independent smallholders, FFB collection centres and agents.*

#### Source of CPO and PKO managed by Wilmar refineries globally (%) in 2022

Wilmar mills	~10
Third-party suppliers*	~90

*Note: Third-party suppliers include third-party direct mills, third party refineries/traders/bulkers.*

#### Sugarcane processed by Wilmar sugar mills in 2022

	MT	%
Wilmar plantations	534,776	2.3
Third-party plantations	22,665,225	97.7
<b>Total</b>	<b>23,200,001</b>	<b>100.0</b>