

EU's Complaints about Palm Oil
(Source: Desmet Ballestra Group 2019)

1. Not sustainable enough (bad for environment & nature)
2. Not healthy enough (too saturated)
3. Not safe enough (3MCPDE/GE)

Note: The 1st complaint of EU was reason for the ban on Palm oil in biofuel by European Parliament

Let us look into the first part of the KEY

• What is sustainable palm oil?

• Is Malaysia producing sustainable palm oil?

Malaysian Palm Oil Industry The palm oil industry has been evolving in the last 10 years and becoming very much sustainable in Malaysia. Exports of palm oil products contribute billions of ringgit to our GDP, and Malaysia is keen to promote sustainable palm oil to gain access into the European market.



Sustainable Palm Oil Prevents Further Deforestation

- Sustainable Palm Oil can prevent further deforestation around the world
- While a palm oil <u>boycott</u> could actually cause <u>more damage</u> to the environment.

WHY?

 Palm oil takes up just 0.11% of global agricultural land but contributes over 20% of global Edible Oils and Fats exports.

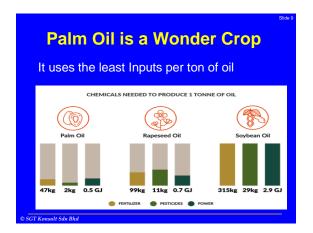
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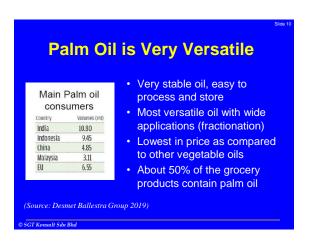
Palm Oil is a Wonder Crop

It uses the least land per ton of oil produced:

- > 3.8 ton of oil per hectare for Palm Oil
- 0.38 ton of oil per hectare for Soybean
- 0.62 ton of oil per hectare for Sunflower
- 0.84 ton of oil per hectare for Rapeseed

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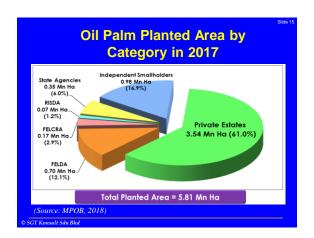


Deforestation for Other Land Uses Other land uses & drivers • In 2000, for example, 47,278 sq km of forest of deforestation include: cover were lost in Timber Malaysia Pulpwood Oil palm plantations Infrastructure projects expanded only by Urban development 17.000 sa km (1.7 million ha). Rubber SGT Konsult Sdn Bhd





Mandatory MSPO Certification Malaysia made its MSPO certification mandatory for all growers in the country; from large multinational corporations to smallholders, who produce around 40% of Malaysia's palm oil. As of June 30, 2020 Certified sustainable oil palm estates = 87.25% Certified sustainable palm oil mills = 94.03%





The 2nd complaint of EU is that Palm
Oil is not healthy enough

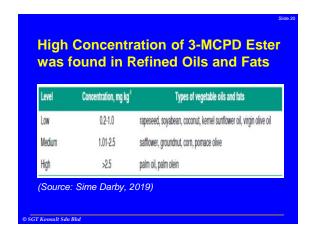
• In the1950s, the saturated fat in coconut oil was linked to heart disease. Excessive consumption of the saturated fat was claimed to boost LDL cholesterol and triglycerides (risk factors to heart disease). Palm oil is also high in saturated fat.

• Recent studies highlights benefits of palm oil taken in moderation in nutrition, health & well-being. Palm oil decreases cholesterol, protects brain function, reduces heart disease risk & improve Vitamin A status

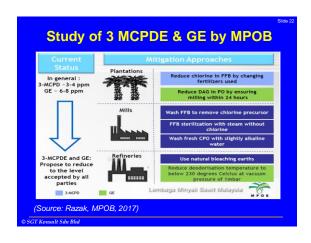


The 3rd complaint of EU is on Safety which is re-defined by EU in settings New Maximum Limits for 3-MCPDE 1,250µg/kg (1.25 ppm) for unrefined oils 2,500µg/kg (2.5 ppm) for refined oils 750µg/kg (0.75 ppm) for vegetable oils and fats destined for baby food and processed cereal

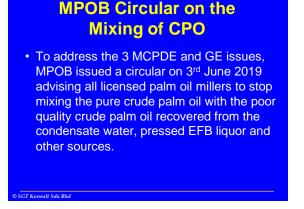
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Mitigation for 3 MCPDE at Palm Oil Mills Recommended practices: • Water used in the mill to be treated to remove Chlorides • FFBs to be processed within 24 hours • Recovered oils not to be mixed with CPO • CPO to be rinsed with water before delivery to refineries (Source: MPOB, 2017) • SGT Konsult Sdn Bhd



MPOB Circular on CPO Washing

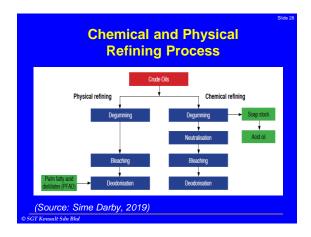
- In MPOB's revised CPO quality standards, the maximum allowable level of chlorine in the CPO is <u>2.0 ppm</u> and it is already come into effect since 1st July 2020.
- MPOB has put the responsibility of reducing the chlorine content in the CPO at the mill.

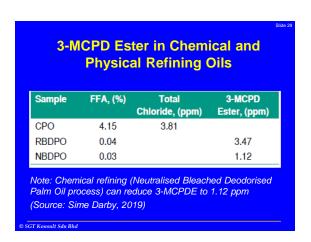
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- According to MPOB's revised quality standards, the maximum allowable level of 3-MCPDE in:
 - PPO (Processed Palm Oil) is <u>2.5 ppm</u>, starting 1st January 2021
 - PPKO (Processed Palm Kernel Oil) is <u>1.25</u>
 <u>ppm</u>, starting 1st January 2021.
- The maximum level of 3-MCPDE in PPO will be lowered to <u>1.25 ppm</u>, starting 1st January 2022 for fully integrated plantation and 1st January 2023 for independent refineries.

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CONCLUSION The key to E.U. Market Access is to produce sustainable and safe palm oil. To-date, 87.25% Malaysian estates are producing sustainable palm oil and are working hard towards producing safe palm oil CPO washing at the mill brings Chloride ion content to < 2.0 ppm & enable refineries to produce refined palm oil at <2.5 ppm 3-MCPDE The ultimate target is to grade palm oil into different qualities for the different uses of palm oil





Malaysia's Strong Commitments (Towards Sustainable Palm Oil)

- Capping oil palm planting at 6.5 million hectares,
- Stopping planting on peat areas and enforcing regulations on existing oil palm on peat land,
- Banning the conversion of forest reserved areas for oil palm cultivation,
- Opening oil palm plantation maps to public
- Working with WWF, <u>Wild Asia</u>, etc. to make positive changes in wildlife & biodiversity conservation

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Malaysia is surely producing sustainable and safe oil palm

- Oil palm plantations in Malaysia have complied to the international guidelines to produce sustainable and safe palm oil in the last decade and committed in improving their own standards within.
- Future oil palm planting and production of palm oil will be at a much improved sustainable level, much safer and very much environmental friendly.

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