

Principles and Criteria

Malaysian Sustainable Palm Oil (MSPO)

Part 3-1: General principles for oil palm plantations

(40.46 hectares to 500 hectares)

(First revision)

1 SCOPE

This Malaysian Standard specifies the requirements for Malaysian Sustainable Palm Oil (MSPO) that organisations will use to demonstrate their commitment to sustainable practices. This Malaysian Standard covers the areas of operations of oil palm cultivation and transportation of products to collecting centres/mills. It applies to all aspects affecting oil palm production which can be monitored and influenced by organisations. It can be applied with reference to the MPOB Codes of Practice and any other management systems implemented by the organisations.

2 NORMATIVE REFERENCES

There are no normative references in this document.

3 TERMS AND DEFINITIONS

Refer to MS 2530-1:2022 for the terms and definitions.

4 PRINCIPLES AND CRITERIA

4.1 Principle 1: Management commitment and responsibility

4.1.1 Criterion 1: Malaysian Sustainable Palm Oil (MSPO) policy

There shall be a policy on the implementation of Malaysian Sustainable Palm Oil (MSPO) by the organisation to demonstrate its commitment. The policy shall emphasise commitment to continual improvement.

4.1.1.1 Indicator 1: A policy for the implementation of MSPO, emphasising commitment to continual improvement, **shall** be established, communicated and implemented.

4.1.1.2 Indicator 2: The continual improvement **shall** be based on social, environmental impacts, safety and health as well as new information and technology.

4.1.2 Criterion 2: New planting

New plantings are carried out with consideration of land status and size, current land use, soil type and topography, alignment with authorities' land use plan, and industry-related government policies.

Comprehensive HCV, environmental and social impact assessments are undertaken prior to new plantings and a management plan is implemented, monitored and regularly updated during operations.

New plantings/establishments on peat land, terrain/slopes exceeding 25°/300m above sea level, fragile and marginal soils are prohibited unless permitted by the state authorities that have jurisdiction over land matters.

No new plantings/establishments are carried out on customary land without the owners' free, prior and informed consent (FPIC)

4.1.2.1 Indicator 1: New planting **shall** be carried out with consideration of the following:

- a) No conversion of natural forest, protected areas and High Conservation Value areas after 31 December 2019;
- b) Updated information on soil types and topography; and
- c) New planting on the following **shall** be prohibited unless permitted by the state authorities that have jurisdiction over land matters:
 - i) steep terrain exceeding 25°;
 - ii) areas located 300 m above sea level;
 - iii) fragile and marginal soils;
 - iv) peat land; and
 - v) riparian zones.

Appropriate and viable conservation measures **shall** be adopted and implemented to minimise adverse impacts.

4.1.2.2 Indicator 2: An Environmental Impact Assessment (EIA) **shall** be conducted prior to establishing new plantings in accordance with legal requirements. The results of the EIA **shall** be incorporated into a **management plan(s)** and/or operational **procedures**. The **management plan shall** be implemented, monitored and reviewed at periodic intervals.

4.1.2.3 Indicator 3: A social impact assessment (SIA) **shall** be conducted prior to establishing new plantings in accordance with guidelines established by the scheme owner. The results of the SIA **shall** be incorporated into a management plan(s) and/or operational procedures. The **management plan shall** be implemented, monitored and reviewed at periodic intervals.

4.1.2.4 Indicator 4: An HCV assessment for new planting **shall** be conducted in accordance with the scheme owner's guidelines.

4.1.2.5 Indicator 5: No new plantings **shall** be established on customary land without the owners' free, prior and informed consent (FPIC), dealt with through a documented system that enables indigenous peoples, local communities and other stakeholders to express their views through their own representative institutions.

4.1.3 Criterion 3: Existing site management

Standard Operating Procedures (SOP) shall be established for activities determined by the organisation.

4.1.3.1 Indicator 1: Standard Operating Procedures shall be appropriately documented, consistently implemented and monitored.

4.1.3.2 Indicator 2: Where oil palm is cultivated on slopes exceeding 25°, the organisation **shall** implement measures to prevent the following:

- a) erosion and sedimentation; and
- b) contamination of surface and groundwater from soil, nutrient or chemicals.

4.1.3.3 Indicator 3: Existing plantings on peat land **shall** be managed according to any recognised guidelines by the industry.

4.1.3.4 Indicator 4: A visual identification or reference system **shall** be established for each field or block.

4.1.3.5 Indicator 5: Where possible, the use of chemicals **shall** be reduced and environmentally beneficial biological agents are used to control pests and weeds, and help promote pollination and soil health.

4.1.4 Criterion 4: Replanting

Replanting shall comply with all legal requirements and are in line with industry best practices. Where applicable, the replanting programme shall be established and reviewed annually. Review of SIA, EIA and HCV assessments shall be conducted prior to any activities on site.

4.1.4.1 Indicator 1: Replanting programme **shall** be established in line with industry best practices.

4.1.4.2 Indicator 2: SIA, EIA and HCV assessments **shall** be conducted or relevant management and monitoring plans **shall** be reviewed prior to any replanting activities. The results of the review **shall** be incorporated into the replanting programme.

4.1.4.3 Indicator 3: Replanting on peat land **shall** be managed according to any recognised guidelines by the industry.

4.1.5 Criterion 5: Training and competency

All employees, contractors, and/or smallholders shall be appropriately trained.

4.1.5.1 Indicator 1: All employees, contractors and/or smallholders are appropriately trained based on training needs analysis.

4.1.5.2 Indicator 2: A training programme (appropriate to the scale of the organisation) and documentation, including records of training, **shall** be maintained. Evaluations of the effectiveness of training **shall** be conducted.

4.1.5.3 Indicator 3: Where contractors are engaged, they **shall** conform with MSPO requirements and provide required documentation and information in line with tasks contracted to them.

4.1.6 Criterion 6: Economic and financial viability plan

A documented business or management plan shall be established to demonstrate attention to economic and financial viability.

4.1.6.1 Indicator 1: A documented business or management plan **shall** be established, implemented and reviewed at periodic intervals appropriate to the scale and nature of the organisation.

4.1.6.2 Indicator 2: The business or **management plan shall** include:

- a) A requirement to source planting material from a MPOB-licensed nursery or licensed seed producer;
- b) Crop projection: site yield potential, age profile, FFB yield trends;
- c) Cost of production: cost per tonne of FFB;
- d) Price forecast; and
- e) Financial indicators: cost benefit, discounted cash flow, and return on investment.

4.1.6.3 Indicator 3: Prior to the actual commencement of replanting activities, a long-term replanting programme **shall** be prepared, reviewed annually and made available.

4.1.7 Criterion 7: Commitment to contribute to local sustainable development

Documentation on commitment to contribute to local sustainable development are available and reviewed.

4.1.7.1 Indicator 1: The organisation **shall** contribute to local sustainable development in consultation with indigenous people and local communities through appropriate programmes.

4.1.8 Criterion 8: Complaints and grievances handling

A mechanism shall be established to handle and document complaints and grievances.

4.1.8.1 Indicator 1: A system or procedure for dealing with complaints and grievances **shall** be established, documented and communicated to employees and stakeholders. The mechanism **shall** ensure no reprisal and/or discrimination against complainants and maintain confidentiality and anonymity when requested or necessary.

4.1.8.2 Indicator 2: The system **shall** be able to resolve disputes in an effective, timely and appropriate manner, and is accepted by all parties.

4.1.8.3 Indicator 3: Complaints and resolutions for the last 24 months **shall** be documented and made available to affected stakeholders upon request.

4.1.9 Criterion 9: Internal audit

An internal audit shall be planned and conducted annually to ensure conformance to MSPO requirements.

4.1.9.1 Indicator 1: Procedures for planning, conducting and reporting of audits as well as follow-ups shall be established.

4.1.9.2 Indicator 2: Root cause analysis for each nonconformity raised shall be carried out to determine the appropriate corrective action.

4.1.10 Criterion 10: Management review

Management shall annually review its MSPO implementation to ensure its continuing suitability, adequacy and effectiveness.

4.1.10.1 Indicator 1: The organisation shall review its MSPO implementation annually covering the following:

- a) The status of actions from the previous management reviews;
- b) Changes in:
 - i) External and internal issues that are relevant to the MSPO system; and
 - ii) The needs and expectations of interested parties (stakeholders), including compliance obligations.
- c) The extent to which MSPO management plan have been achieved;
- d) Information on the organisation's performance including trends in:
 - i) Nonconformities and corrective actions;
 - ii) Monitoring and measurement results;
 - iii) Fulfilment of its compliance obligations; and
 - iv) Audit results.
- e) Adequacy of resources;
- f) Relevant communication(s) from stakeholders including complaints; and
- g) Opportunities for continual improvement.

4.2 Principle 2: Transparency

4.2.1 Criterion 1: Communication and consultation

A system or procedure(s) for transparent communication and consultation with stakeholders shall be established and documented.

When establishing its communication system, the organisation shall take into account its compliance obligations, types of information to be shared and its consistency with information generated by its MSPO implementation as well as reliability.

The organisation shall respond to relevant communication from its stakeholders.

4.2.1.1 Indicator 1: Communication and consultation procedures shall be established and communicated to relevant stakeholders.

4.2.1.2 Indicator 2: Stakeholders shall be identified. A list of stakeholders and records of all consultations, communications and actions taken in response to input from stakeholders, shall be maintained.

4.2.1.3 Indicator 3: A management official **shall** be nominated to be responsible for communications and consultation.

4.2.1.4 Indicator 4: The organisation **shall** provide information requested by relevant stakeholders and management documents **shall** be publicly available, except those limited by commercial confidentiality or disclosure that could result in negative environmental or social outcomes. Information and documents **shall** be in appropriate languages and forms.

4.2.2 Criterion 2: Traceability

A system or procedure(s) for traceability along the supply chain shall be established and documented whereby traceability starts at the plantation and/or smallholding.

4.2.2.1 Indicator 1: The organisation **shall** establish, implement and maintain a **Standard Operating Procedure** to comply with the requirements for traceability of the relevant product(s).

4.2.2.2 Indicator 2: Records of sales, delivery or transportation of products **shall** be maintained.

Information and records **shall** include at least the following information:

- a) Name and address of the buyer;
- b) Product(s) identification;
- c) Quantity of products delivered;
- d) Loading or delivery date;
- e) Related transportation documentation with a unique identification number;
- f) MSPO certificate number; and
- g) MSPO certificate validity.

4.2.2.3 Indicator 3: The organisation **shall** assign relevant employee(s) to implement and maintain traceability requirements.

4.2.3 Criterion 3: Transparent and fair price dealing

Mechanisms for fair/mutually agreed pricing of products and other services shall be documented and effectively implemented.

4.2.3.1 Indicator 1: Pricing for products and other services **shall** be documented and effectively implemented.

4.2.3.2 Indicator 2: All contracts **shall** be mutually agreed, legal and transparent, and agreed payments **shall** be made in a timely manner. The contracts **shall** include acceptance of approved auditors to verify fulfilment of MSPO requirements. A physical on-site inspection may be conducted, if required.

4.2.4 Criterion 4: Ethical conduct

The organisation shall subscribe to ethical conduct and anti-bribery in their business relations with employees, communities and stakeholders.

4.2.4.1 Indicator 1: A policy for ethical conduct and anti-bribery **shall** be established, communicated and implemented in all business operations and transactions, including recruitment and award of contracts.

4.2.4.2 Indicator 2: A system is in place to monitor conformance and the implementation of the policy and overall ethical business and anti-bribery practice..

4.3 Principle 3: Compliance with legal and other requirements

4.3.1 Criterion 1: Regulatory requirements

The organisation shall comply with local, national and ratified international laws, conventions, and regulations.

4.3.1.1 Indicator 1: The organisation shall identify applicable legal requirements related to their operations. Changes shall be updated.

4.3.1.2 Indicator 2: Compliance with identified legal requirements, including local, state, national and ratified international laws, conventions, and regulations, shall be monitored.

4.3.2 Criterion 2: Rights to use land

Oil palm cultivation shall not diminish the rights of other users.

4.3.2.1 Indicator 1: The organisation shall ensure that oil palm cultivation activities do not diminish the rights of others to land.

4.3.2.2 Indicator 2: Proof of ownership or rights to use land such as land title, lease or joint venture agreement with indigenous peoples and history of land tenure (if available) shall be made available to relevant stakeholders upon request.

4.3.2.3 Indicator 3: Where there are, or have been, disputes, documented proof of legal acquisition of land title and fair compensation that have been or are being made to previous owners and occupants shall have been accepted and agreed upon with FPIC and shall be made available to relevant stakeholders.

4.3.2.4 Indicator 4: Legal perimeter boundary markers shall be clearly demarcated and visibly maintained on the ground where practicable.

4.3.3 Criterion 3: Native customary rights

Customary rights shall not be threatened or reduced. Any conflict or land disputes shall be resolved in accordance with an FPIC process.

4.3.3.1 Indicator 1: Where lands are subjected to customary rights, the organisation shall demonstrate that these rights are understood and are not being threatened or reduced.

4.3.3.2 Indicator 2: Maps of an appropriate scale and perimeter boundary coordinates showing the extent of native customary rights shall be developed through a participatory process and shall be made available to affected rights holders and relevant stakeholders.

4.3.3.3 Indicator 3: Negotiations and FPIC implementation **shall** be recorded and copies of negotiated agreements made available to affected rights holders and relevant stakeholders upon request.

4.4 Principle 4: Responsibility to social, health, safety and employment conditions

4.4.1 Criterion 1: Social Impact Assessment (SIA)

Social impact assessments shall be conducted with the participation of stakeholders.

4.4.1.1 Indicator 1: A social impact assessment **shall** be conducted with the participation of relevant stakeholders in accordance with guidelines provided by the scheme owner to mitigate negative impacts and promote positive impacts. [Food security](#) and child rights **shall** be incorporated as aspects to be assessed, if applicable.

4.4.1.2 Indicator 2: The results of the assessment **shall** be incorporated into an appropriate management plan(s) and/or operational procedures and reviewed at periodic intervals.

4.4.1.3 Indicator 3: The SIA conducted **shall** be reviewed prior to replanting activities or at five-year intervals.

4.4.2 Criterion 2: safety and health

Organisational activities shall be assessed and plans shall be established to achieve zero occupational safety and health accidents, in compliance with relevant legal requirements. Employers shall provide occupational safety and health education and information to achieve the objective of zero occupational safety and health accidents for all employees including young persons, pregnant and breastfeeding female workers.

4.4.2.1 Indicator 1: An occupational safety and health policy and plan **shall** be established, communicated and implemented.

4.4.2.2 Indicator 2: The occupational safety and health plan **shall** cover the following:

- a) Person(s) responsible for workers' health and safety;
- b) Hazard Identification and Risk Assessment at the workplace using Hierarchy of Control;
- c) **Standard Operating Procedures** (SOPs) based on the Hazard Identification and Risk Assessment;
- d) **Training programme** based on the Hazard Identification and Risk Assessment;
- e) Two-way communication with employees where issues such as health, safety and wellbeing are discussed openly including concerns of employees and any remedial actions taken;
- f) Emergency preparedness and response; and
- g) First-Aid system in workplace.

4.4.2.3 Indicator 3: Occupational safety and health records **shall** be maintained.

4.4.3 Criterion 3: Employment conditions

There **shall** be a policy on respecting human rights to demonstrate the organisation's commitment. In line with this policy, the organisation **shall** ensure that:

- a) Employment conditions comply with legal requirements and the [ILO Decent Work Agenda](#);
- b) No forms of forced or trafficked labour as well as child labour are used;
- c) Any form of discrimination and harassment is prohibited; and
- d) Triangular employment arrangements are practised in line with (a).

The organisation **shall** also ensure there is no retaliation against [human rights defenders](#) and [whistle blowers](#).

Social benefits **shall** be provided to employees and their families.

4.4.3.1 Indicator 1: A policy on respecting human rights **shall** be established, communicated to relevant stakeholders and implemented. The policy **shall** be in line with the Federal Constitution, the [UN Declaration on Human Rights](#) and the [ILO Decent Work Agenda](#).

4.4.3.2 Indicator 2: There **shall** be no forms of forced or trafficked labour whereby all work is voluntary and the following are prohibited:

- a) Abuse of vulnerability;
- b) Deception;
- c) Lack of freedom of workers to resign and restriction of movement;
- d) Isolation;
- e) Physical and sexual violence;
- f) Retention of identity documents or passports except during the renewal process and/or legal administration purpose with the consignment letter agreed by both parties;
- g) Withholding of wages;
- h) Debt bondage;
- i) Abusive working and living conditions;
- j) Payment of statutory recruitment fees by workers;
- k) Involuntary or excessive overtime;
- l) Contract substitution; and
- m) Penalty for termination of employment.

4.4.3.3 Indicator 3: There **shall** be no evidence the organisation engages in or supports discriminatory practices. The organisation **shall** provide equal opportunity and treatment regardless of age, race, colour, gender, religion, political opinion, nationality, social origin or any other distinguishing characteristics. Disabled persons **shall** be considered for tasks suitable to their abilities.

4.4.3.4 Indicator 4: There **shall** be no evidence of **harassment**, violence, physical or verbal abuse or any forms of intimidation, including retaliation against human rights defenders and whistle blowers. The organisation **shall** provide guidelines for implementation and maintain records of all disciplinary actions taken, and the reason for the disciplinary action.

4.4.3.5 Indicator 5: The organisation **shall** ensure that employees' (including employees of contractors) pay and conditions, working hours and breaks of each employee, wages and overtime payments documented on pay slips **shall** comply with legal requirements and where applicable, Collective Agreements.

4.4.3.6 Indicator 6: A transparent system for recording working hours, paid leave and overtime **shall** be implemented in accordance with legal requirements and/or provisions in the Collective Agreements. Overtime **shall** be mutually agreed, compensated at applicable rates and legal requirements.

4.4.3.7 Indicator 7: The organisation **shall** maintain an accurate labour register (in accordance with relevant laws). Records **shall** contain information such as full name, gender, date of birth, date of entry, job description, wage and period of employment as well as immigration details, where applicable.

4.4.3.8 Indicator 8: All employees, including contractors' employees, **shall** be provided with fair contracts that have been agreed by both employee and principal employer in accordance with legal requirements. The contract **shall** be made available in a language the worker understands and copies of employment contracts **shall** be available to employees.

4.4.3.9 Indicator 9: Other forms of social benefits **shall** be offered by the employer to employees and their immediate families such as incentives for good work performance, bonus payment, professional development, medical care and health provisions. Provision of such incentives and social benefits that are provided **shall** meet Collective Agreements, where applicable.

4.4.3.10 Indicator 10: Children **shall** not be employed or exploited. Work by young persons is acceptable under adult supervision, and when not interfering with their education. They **shall** not be exposed to hazardous working conditions according to legal requirements.

4.4.3.11 Indicator 11: The organisation **shall** respect the right of all employees to form or join trade unions and allow workers own representative(s) to facilitate collective bargaining in accordance with applicable laws and regulations. Employees **shall** have the right to organise and negotiate their work conditions. Employees exercising this right **shall** not be discriminated against or suffer repercussions.

4.4.3.12 Indicator 12: The organisation **shall** fulfil all indicators of Criterion 3 in ensuring that there is no mistreatment of workers in the case of triangular employment relationship. The final responsibilities/accountabilities lie with the principal employer.

4.4.4 Criterion 4: Living conditions

Where housing is provided, decent living conditions, including clean water for domestic use, are provided to employees and their families.

4.4.4.1 Indicator 1: Where housing is provided, decent living conditions in accordance with applicable legal requirements **shall** be adhered to.

4.4.4.2 Indicator 2: Water quality analysis for domestic use from own water processing facility **shall** be done at least once a year.

4.5 Principle 5: Environment, natural resources, biodiversity and ecosystem services

4.5.1 Criterion 1: Environmental management

Organisational activities shall be assessed and plans shall be established to mitigate adverse environmental impacts and promote beneficial impacts.

4.5.1.1 Indicator 1: An environmental policy **shall** be established, communicated and implemented.

4.5.1.2 Indicator 2: The organisation **shall** assess and record all polluting activities that could result in environmental impacts.

4.5.1.3 Indicator 3: The organisation **shall** establish, implement and review plans in line with legal requirements to mitigate adverse environmental impacts and promote beneficial impacts.

4.5.1.4 Indicator 4: The organisation **shall** establish and implement a training programme according to training needs analysis to ensure all employees understand the policy and plans.

4.5.2 Criterion 2: Efficiency of energy use and use of renewable energy

Energy use, including renewable energy shall be optimised and monitored where applicable.

4.5.2.1 Indicator 1: The organisation **shall** assess, optimise (whenever practical) and monitor its energy consumption, including fuel usage by contractors (FFB evacuation/transport), at periodic intervals.

4.5.2.2 Indicator 2: The use of renewable energy **shall** be encouraged and applied where practical.

4.5.3 Criterion 3: Waste management and disposal

All waste products and sources of pollution shall be identified and documented, and a waste management plan shall be established and implemented. There shall be no use of fire for waste disposal except in situations allowed under the legal framework.

4.5.3.1 Indicator 1: A waste management plan to prevent and minimise pollution **shall** be established and implemented. The waste management plan **shall** include measures for (but not limited to):

- a) Identifying and monitoring sources of waste and pollution; and

- b) Improving the efficiency of resources utilisation and recycling of potential wastes and/or converting them into value-added by-products, where applicable.

4.5.3.2 Indicator 2: The organisation **shall** establish **Standard Operating Procedures** for handling empty pesticide containers, used and/or expired chemicals that are in accordance with legal

4.5.3.3 Indicator 3: The organisation **shall** ensure that all domestic wastes are disposed of appropriately.

4.5.4 Criterion 4: GHG emissions

In contributing to the national commitment for climate change, all actors along the value chain shall identify the sources of GHG emissions, monitors, and plans for reductions, whenever applicable. Reporting on this criterion shall be done on an annual basis.

4.5.4.1 Indicator 1: The organisation **shall** identify GHG emissions and saving sources from:

- a) Land use change, after 31 December 2019;
- b) Use of fertiliser;
- c) Transportation of fertiliser/agricultural input and FFB;
- d) Use of energy; and
- e) Crop sequestration and conservation area, if available.

4.5.4.2 Indicator 2: Monitoring of GHG emissions **shall** use the GHG calculator from the scheme owner and plans for reduction **shall** be established and implemented.

4.5.4.3 Indicator 3: The organisation **shall** report the following to the scheme owner on an annual basis:

- a) Source of emission;
- b) Amount of emission;
- c) Energy usage and production volume; and
- d) Year-on-year GHG records.

4.5.5 Criterion 5: Water Resources

The organisation shall establish a water management plan to prevent pollution and maintain the quality and availability of water resources.

4.5.5.1 Indicator 1: The organisation **shall** establish and implement a water management plan to maintain the quality and availability of water resources (surface and ground water). The water management plan **should** include:

- a) Assessment of water usage, sources of supply and its quality;
- b) Monitoring of outgoing water, which may have negative impacts into the natural waterways;
- c) Ways to optimise water and nutrient usage to reduce wastage, including rainwater harvesting practices;
- d) Protection of water courses and wetlands, including maintaining, rehabilitating and/or enhance riparian/riparian buffer zones before, during and after replanting;
- e) Where bore wells are being used for water supply, the level of the ground water table **should** be measured at least annually; and

f) Ways to monitor and ensure adequate and quality water for sustaining livelihood, human well-being and socio-economic development, where applicable.

4.5.5.2 Indicator 2: No construction of bunds, weirs and dams, which control or divert the flow of water, across main rivers or waterways passing through an estate.

4.5.6 Criterion 6: Environmental conservation and protection

Information shall be collected within or adjacent to the management area and appropriate measures are taken for the protection of the species or habitat following the HCV approach and relevant local

4.5.6.1 Indicator 1: The organisation, through engagement with stakeholders, **shall** assess, identify and record the presence and status of [High Conservation Values](#) that exist within or adjacent to the management area. The results of the assessment **shall** be incorporated into a management plan.

4.5.6.2 Indicator 2: If [High Conservation Values](#), rare, threatened or endangered species are present, a management plan **shall** be established, effectively implemented and include:

- a) Ensuring any legal requirements relating to the protection of the species are met;
- b) Discouraging any illegal or inappropriate hunting, fishing or collecting activities;
- c) Developing responsible measures to resolve human-wildlife conflicts;
- d) Putting in place measures such as enrichment of riparian areas, unplanted areas and other set-asides, to help sustain wild populations of rare, threatened or endangered species; and
- e) Protection of customary sites as well as allowing access to indigenous people and local communities.

4.5.6.3 Indicator 3: The organisation **shall** demonstrate that periodic monitoring is carried out to assess changes in the status of [High Conservation Values](#), and **shall** adapt its management plan at periodic intervals to ensure their effective protection.

4.5.7 Criterion 7: Zero burning practices

There shall be no open burning, except in situations allowed under the legal framework. Response and mitigation plans shall be established to prevent fire.

4.5.7.1 Indicator 1: There **shall** be no use of fire for preparing land for oil palm cultivation and replanting. Previous crops that are felled **should** be mowed down, chipped and shredded, windrowed or pulverised or ploughed and mulched or use for other commercial purposes.

4.5.7.2 Indicator 2: Special approval for use of fire from relevant authorities **shall** be sought in areas where no other effective measures exist, previous crops are highly diseased, and there is a significant risk of disease spreading to the next crop. In such

cases, the use of fire **shall** be carried out as prescribed by the relevant laws and guidelines.

4.5.7.3 Indicator 3: The organisation **shall** prevent fire occurrence within and adjacent to the management area. A response and mitigation plan **shall** be established as part of the commitment to prevent fire.

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