

Summary of Changes Bonsucro Production Standard V5

As a multi-stakeholder organisation, Bonsucro seeks to engage stakeholders when changes are proposed and made to our standards. Here you will find detailed information about this process and current work on standards development, as well as information on how these key documents were created.

The Bonsucro Production Standard is at the heart of everything Bonsucro does. It sets out a definition of what sustainable cane production should look like, providing a comprehensive metric tool for sustainable farming and milling. Bonsucro wants to maximise the impact the Standard has on the future of the sugarcane sector and enhance the value added for the producers who implement, use and comply with it.

The “Bonsucro Production Standard” contains principles and criteria for achieving sustainable production of sugarcane and all sugarcane derived products in respect of economic, social and environmental dimensions. Its primary purpose is to define a set of principles, criteria and indicators, along with explanatory notes, for the assessment of the performance of operators against the three pillars of sustainability. The Standard is used by Bonsucro members who wish to achieve certification. It is also used by Licensed Certification Bodies and auditors when carrying out certification audits.

The Bonsucro Standard development and revision procedure is based on the [ISEAL Standard Setting Code](#). It requires a multi-stakeholder consultation and decision-making process to ensure clear and auditable conditions in the standard itself. The process is driven by stakeholder led Standard Revision Working Group and supported by the Technical Advisory Board and the Members Council. [Standard Development and Revision Procedure](#).

On 18 May, Bonsucro launched the public consultation on the proposed changes to the Production Standard. The consultation will run until 31 July. Bonsucro members, non-members and all interested stakeholders are invited to participate and submit their feedback. The more input gained, the more robust the Standard will be.

Below you will find a summary of the changes between Bonsucro Production Standard V4 & V5. Please read in conjunction with the draft Standard V5 and fill out the Standard consultation document. The draft standard and questionnaire can be downloaded from the Bonsucro website: The questionnaire can be downloaded from our website: <http://www.bonsucro.com/production-standard-revision-public-consultation/>

Bonsucro will be hosting a series of webinars in English, Spanish and Portuguese on the changes to the Production Standard. To attend, please register via this link: <http://www.bonsucro.com/production-standard-revision-public-consultation/>

Note:

EU – RED principle is removed from the scope of this revision. It will continue to be included in the Standard as it currently stands as Principle 6. The Standard will automatically adopt all changes that are needed to comply with EU-RED II once released.

If you have any questions, please contact Nahuel Tuñon on nahuel@bonsucro.com

Production Standard V5	Changes relating to V4
PRINCIPLE 1 - ASSESS AND MANAGE ENVIRONMENTAL, SOCIAL & HUMAN RIGHTS RISKS	Principle 1- Obey the Law
1.1.1 Sustainability policies are in place	New indicator
1.1.2 - Mapping of Internal, External, and Vulnerable Stakeholders is conducted	New indicator
1.1.3 Land & water claims that are legitimately contested by other users	1.2.2 & 1.2.3 Land & water that is legitimately contested by other users with amendments. Amendment in the scope of this indicator. Applied to area outside unit of certification
1.1.4 - Risk and Impact Assessment are conducted	New indicator
1.2.1 - Systems in place to demonstrate compliance with applicable laws, commitments, rights & other requirements.	1.1.1 National laws complied with Amendment in the requirements of this indicator. Focus on having a system to demonstrate law compliance.
1.2.2 Cane Supply	2.3.4 Payment for cane deliveries are made according to agreed contract Amendment in the requirements of this indicator. All terms of contracts to be complied with
1.2.3 – Objectives and plans are set to control for highest identified risks	New Indicator
1.2.4 Corrective actions are implemented and management review conducted	New Indicator
1.3.1 - Grievance mechanism for communities are in place	5.8.1 <i>Existence of usage of a recognised and accessible grievance and dispute resolution mechanism for all stakeholders</i> Amendments made to the requirements of this indicator.

Production Standard V5	Changes relating to V4
PRINCIPLE 2 - RESPECT LABOUR RIGHTS & OCCUPATIONAL SAFETY AND HEALTH STANDARDS	Principle 2: Respect Human Rights and Labour Standards
2.1.1. Main health and safety risks are documented, assessed, communicated to workers, and mitigated	2.2.2. <i>Main health and safety risks are assessed and measures for mitigation of risk are implemented</i> Amendments made on the H&S assessment requirements
2.1.2 Health and safety risks are managed through implemented and enforced plans	2.2.2. <i>Main health and safety risks are assessed and measures for mitigation of risk are implemented</i> Amendments made on the application of best practices relating to H&S

2.1.3 Right to water and sanitation safeguards are designed implemented and enforced	2.2.5 <i>All workers present on the field and/ or mill have access to drinking water in sufficient quantity</i> Inclusion of sanitation.
2.1.4. Appropriate personal protective equipment supplied to and used by all workers free of charge	2.2.3. <i>Appropriate personal protective equipment supplied to and used by all workers</i> Changed the indicator from core – to non-core
2.1.5 Percentage of staff trained for health and safety at start and at least every year.	2.2.4 <i>Percentage of staff trained for health and safety at start and at least every 5 years</i> <i>Amendments: H&S update training shall be done annually rather than every 5 years</i>
2.1.6 Lost time accident frequency	2.2.1 <i>Lost time accident Frequency</i> <i>Amendment: Maximum accident rate at farm moved from 45 to 30</i>
2.1.7 All workers have access to first aid and provision for emergency response	2.2.6 All workers present on the field and/or mill have access to first aid and provision for emergency response No change
2.1.8 Adequate accommodation is provided	New indicator
2.2.1 Minimum age of workers	2.1.1 <i>Minimum age of workers.</i> <i>Amendments: Removed Light family work Restrictions on young workers of legal working age but below 18.</i>
2.2.2 Debt bondage, trafficking, and forced/compulsory labour are absent	2.2.2 <i>Absence of forced or compulsory labour</i> No change – amendments will be made to the guidance.
2.2.3 Absence of discrimination	2.1.3 – <i>Absence of discrimination</i> Amended definition of discrimination
2.2.4 Absence of abuse/ harassment	New indicator
2.2.5 Respect the right of all workers to form and join trade unions and/or to bargain collectively free from interference from the operator	2.1.4 <i>Respect the right of all workers to form and join trade unions and/ or to bargain collectively</i> Amendments on inclusion of promoting social dialogue
2.2.6 Working hours lost as percentage of total hours worked	2.2.7 Working hours lost as percentage of total hours worked No change
2.2.7 Existence of a contract or equivalent document	2.4.1 <i>Existence of a contract or equivalent document</i> No change

2.3.1 Ratio of lowest entry level wage including benefits to minimum wage and benefits required by law	2.3.1 Ratio of lowest entry level wage including benefits to minimum wage and benefits required by law No change
2.3.2 Minimum wage is guaranteed to piece rate paid workers	2.3.1 - <i>Ratio of lowest entry level wage including benefits to minimum wage and benefits required by law</i> Separated out requirements for piece rate workers
2.3.3 Maximum number of hours worked	2.3.2 – maximum number of hours worked. Amendments made on maximum hours. 2 year phase in to this indicator.
2.3.4 Overtime is paid at a premium rate or equally compensated	2.3.3 Overtime is paid at a premium rate or equally compensated Change of metric threshold from 25% - to 50% in line with ILO recommendations
2.3.5 Movement to close living wage gap	New indicator Comment: Bonsucro secretariat will define methodology for calculation of living wage and will be responsible for conducting the Living Wage benchmarks
2.4.1 - Grievance mechanism for workers are in place	5.8.1 <i>Existence of usage of a recognised and accessible grievance and dispute resolution mechanism for all stakeholders</i> Amendments made to the requirements of this indicator.
2.4.2 - Social dialog demonstrates collaborative approach for engaging with workers / improving working conditions	New indicator

Production Standard V5	Changes relating to V4
PRINCIPLE 3 - MANAGE INPUT, PRODUCTION AND PROCESSING EFFICIENCIES TO ENHANCE SUSTAINABILITY	Principle 3: Manage input, production and processing efficiencies to enhance sustainability
Indicator removed	3.1.1 Total raw materials used per kg product
3.1.1 Yield of production	3.1.2 Yield of production No change
3.1.2 Theoretical recoverable sugar content of cane	5.3.1 Theoretical recoverable sugar content of cane No change
3.1.3 Fermentable total sugars content of cane, expressed as invert (TSAI)	5.3.2 Fermentable total sugars content of cane, expressed as invert (TSAI) No change
3.1.4 Efficiency of harvesting operations	New indicator

3.1.5 Mill overall time efficiency	3.1.3 Mill overall time efficiency No change
3.1.6 Factory Performance Index	3.1.4 Factory Performance Index No change
3.1.7 Industrial Efficiency	3.1.5 Industrial Efficiency No change
3.2.1 Climate change adaptation and resilience plan	New indicator
3.2.2 Net GHG emissions per tonne of cane	3.2.1 Net GHG emissions per tonne of cane No change
3.2.3 Net GHG emissions per tonne of sugar	3.2.2 Net GHG emissions per tonne of sugar No change
3.2.4 Net GHG emissions per MJ of ethanol	3.2.3 Net GHG emissions per MJ of ethanol No change
3.2.5 Total Net Primary Energy Usage per kg product	5.4.1 Total Net Primary Energy Usage per kg product No change
3.2.6 Energy used in cane transport per tonne cane transported	5.4.2 Energy used in cane transport per tonne cane transported No change
3.2.7 Primary energy use per tonne of sugarcane	5.4.3 Primary energy use per tonne of sugarcane No change
3.2.8 Energy Return on Investment	New indicator

Production Standard V5	Changes relating to V4
PRINCIPLE 4 - ACTIVELY MANAGE BIODIVERSITY AND ECOSYSTEM SERVICES	Principle 4: Actively manage biodiversity and ecosystem services
4.1.1 – Map biodiversity and ecosystem services on and around farm areas, and develop a Biodiversity Management Plan (BMP)	4.1.3 The key environmental issues are covered by an appropriate and implemented environmental impact and management plan (EIMP) Amendments: Requirements for the EIMP have been separated into separate indicators
4.1.2 Maintain and enhance biodiversity and ecosystem services and services on and around farm areas	4.1.3 The key environmental issues are covered by an appropriate and implemented environmental impact and management plan (EIMP) Amendments: Requirements for the EIMP have been separated into separate indicators

<p>4.1.3 Percentage of areas of natural ecosystems defined internationally or nationally as legally protected converted to sugarcane on or after 1 January 2008</p>	<p>4.1.2 Percentage of areas of natural ecosystems defined internationally or nationally as legally protected converted to sugarcane on or after 1 January 2008</p> <p>Historic land use change shall only consider legally protected areas</p>
<p>4.1.4 – High Conservation Value areas are maintained and enhanced</p>	<p>4.1.2 Percentage of areas of natural ecosystems defined internationally or nationally as legally protected converted to sugarcane on or after 1 January 2008</p> <p>Comment: Bonsucro is developing a risk assessment tool to help the implementation of the HCV principles. Scope of the indicator applies to the whole supply area</p>
<p>4.1.5 – Across the whole supply area future expansion is conducted in non-HCV areas</p>	<p>Based on current indicator 4.1.2 Percentage of areas of natural ecosystems defined internationally or nationally as legally protected converted to sugarcane on or after 1 January 2008</p> <p>Comment: Bonsucro is developing a risk assessment tool to help the implementation of the HCV principles</p>
<p>4.1.6 Percentage of greenfield expansion or new sugarcane project covered by ESIA</p>	<p><i>5.7.1 Percentage of greenfield expansion or new sugarcane project covered by ESIA</i></p>
<p>4.2.1 - Mapping of soils and/or soil management units of the farm</p>	<p>4.1.3 The key environmental issues are covered by an appropriate and implemented environmental impact and management plan (EIMP)</p> <p>Amendments: Requirements for the EIMP have been separated into separate indicators</p>
<p>4.2.2 - Health of the soil improved and maintained</p>	<p>4.1.3 The key environmental issues are covered by an appropriate and implemented environmental impact and management plan (EIMP)</p> <p>Amendments: Requirements for the EIMP have been separated into separate indicators</p>
<p>4.2.3 – Health of the soil as determined by labile carbon, pH, acidity and salt load to be measured and recorded</p>	<p>4.1.3 The key environmental issues are covered by an appropriate and implemented environmental impact and management plan (EIMP)</p> <p>Amendments: Requirements for the EIMP have been separated into separate indicators</p>
<p>4.2.4 Practices minimise and control erosion and degradation of soils</p>	<p>4.1.3 The key environmental issues are covered by an appropriate and implemented environmental impact and management plan (EIMP)</p> <p>Amendments: Requirements for the EIMP have been separated into separate indicators</p>

4.2.5 - Burning of sugarcane tops and leaves after harvest is prevented	New indicator
4.2.6 - Ratio of fertiliser N P K applied to fertilizer N P K recommended by soil or leaf analysis	4.1.4 Ratio of fertiliser N and P applied (expressed in eq. phosphate) to fertilizer N and P recommended by soil or leaf analysis (expressed in eq. phosphate) Amendments: Added K
4.2.7 - Percentage fields with samples showing analyses within acceptable limits for acidity or corrected	5.2.5 Percentage fields with samples showing analyses within acceptable limits for pH Amendments: corrections based on soil tests are accepted.
4.3.1 – Mapping of water resources and catchment areas and setting objectives for water stewardship	New indicator
4.3.2 Mapping of land/water titles & claims is conducted	1.2.1 The right to use land and water can be demonstrated Amendments: Non – core Scope applies to the whole supply area.
4.3.3 – Engaging in collaborative action to promote sustainable water use	New indicator
4.3.4 Net water consumed per unit mass of product	5.2.1 Net water consumed per unit mass of product No change
4.3.5 – Irrigation Water Productivity -	5.2.2 For irrigated cane, efficient use of water Changed the metric to $\geq 66 + 0.05 \times \text{Rainfall (kg/ha)/mm}$
4.3.6 - Dissolved oxygen in effluent point	4.1.1 Dissolved oxygen in receiving stream Added different ways of measuring
4.4.1 – Identification and monitoring of current, historical and potential pests and diseases	4.1.3 The key environmental issues are covered by an appropriate and implemented environmental impact and management plan (EIMP) Amendments: Requirements for the EIMP have been separated into separate indicators
4.4.2 - Agro-ecological pest and disease management practices implemented	4.1.3 The key environmental issues are covered by an appropriate and implemented environmental impact and management plan (EIMP) Amendments: Requirements for the EIMP have been separated into separate indicators
4.4.3 - Integrated Weed Management plan	4.1.3 The key environmental issues are covered by an appropriate and implemented environmental impact and management plan (EIMP) Amendments:

	Requirements for the EIMP have been separated into separate indicators
4.4.4 - Agro-chemicals applied per hectare per year	*** Comment: the Standard Revision Working Group is still looking at alternative measurements for agro-chemical maximum use. These changes will be introduced to the second draft of the Bonsucro Production Standard.
4.4.5 - Banned agro-chemicals applied per hectare per year	4.1.5 Banned agro-chemicals applied per hectare per year Added: Chronical health substances (GHS Ia/Ib) for reproductive toxicity, genotoxicity and cancer risk.
4.5.1 - Management of storage and handling facilities for farm chemicals, fuel, lubricants, hazardous materials to prevent pollution	Based on current indicator 4.1.3 The key environmental issues are covered by an appropriate and implemented environmental impact and management plan (EIMP) Requirements for the EIMP have been separated into separate indicators

Production Standard V5	Changes relating to V4
PRINCIPLE 5 - CONTINUOUSLY IMPROVE OTHER KEY AREAS OF THE BUSINESS	PRINCIPLE 5 - CONTINUOUSLY IMPROVE OTHER KEY AREAS OF THE BUSINESS 20% of the indicators have to be met in the first year, 40% in year 2, 60% in year 3, 80% in year 4 & 100% in year 5
5.1.1 Research and extension plan in place	5.6.1 Research and extension costs as a % of sales Removed metric requirement
5.1.2 Value added per tonne cane	5.9.1 Value added per tonne cane.
5.1.3 Environmental and social impact Management Plans updated biannually	New indicator
5.1.4 Findings of business context analysis continuously addressed in a time-bound manner	New indicator
5.2.1 Ambient air quality aligns with WHO guidance	New indicator
5.2.2 Non-production waste plan for safely recycled or disposal	5.5.3 Percentage of categories of nonproduction waste that are recycled 100% of categories More categories added.
5.3.1 Time spent by workers in vocational training sessions	5.1.1 Percentage of payroll dedicated for or time spent by direct employees in vocational training sessions Removed 1% of turnover
5.3.2 - Vocational training for all workers displaced by mechanisation.	New indicator
5.4.1 - Occupational health and safety is promoted in the whole cane supply area.	New indicator
5.4.2. Safe worker accommodation in cane supplier area	New indicator

5.4.3. Gender inclusion in management and technical positions	New indicator
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