



# Fairtrade Standard for Cane Sugar

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**Applies to:** Small producer organizations and traders

Current version: 01.10.2015\_v1.2

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Expected date of next review: 2020

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For further information and standards downloads:  
[www.fairtrade.net/standards.html](http://www.fairtrade.net/standards.html)



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## Introduction

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### How to use this Standard

The Fairtrade Standard for Cane Sugar covers the requirements which are specific to sugar cane producers and traders.

Fairtrade cane sugar producers must comply with both the Fairtrade Standard for Small Producer Organizations and the Fairtrade Standard for Cane Sugar. For producers this standard complements, and should be read together with, the Fairtrade Standard for Small Producer Organizations.

Fairtrade cane sugar traders must comply with both the Fairtrade Trader Standard and Fairtrade Standard for Cane Sugar. For traders this standard complements, and should be read together with, the Fairtrade Trader Standard.

In cases where this standard differs from the Fairtrade Standard for Small Producer Organizations Standard or the Fairtrade Trader Standard on the same topic, the requirements presented in this standard apply.

### Product description

This standard covers the purchase and sale of cane sugar. Cane sugar is produced from the juice of the sugar cane plant (*Saccharum* spp.). This standard also covers secondary products and their derivatives.

A secondary product can be a by-product, a co-product or a residue produced in the country of origin. By-products of cane sugar production are for example molasses, bagasse, bagasse ash, and filter cake. A derivative of a secondary product is a secondary product processed in the country of origin. Derivatives of a secondary product are for example rum produced with molasses and bio-plastics made from bagasse.

The definition of secondary products is included in the [Fairtrade Trader Standard](#). An explanatory note for secondary products and a non-exhaustive list of products fitting in the secondary products definition is available on the [Fairtrade International website](#).

### Price and Fairtrade Premium

There is no Fairtrade Minimum Price for Fairtrade cane sugar. Fairtrade Premium levels for Fairtrade products are published separately to the product Standards.

There are no Fairtrade Minimum Prices defined for secondary products and their derivatives. The prices (at CIF or FOB level) of these products, from any origin, are negotiated between the importer and the exporter. A default Fairtrade Premium of 15% of the negotiated price must be paid in addition.

### Chapters

The Fairtrade Standard for Cane Sugar has four chapters: General Requirements, Trade, Production and Business and Development.



## Structure

In each chapter and section of the standard you will find:

- The **intent** which introduces and describes the objective and defines the scope of application of that chapter;
- The **requirements** which specify the rules that you must adhere to. You will be audited according to these requirements; and
- The **guidance** provided to help you to interpret the requirements. The guidance offers best practices, suggestions and examples of how to comply with the requirement. It also gives you further explanation on the requirement with the rationale and / or intention behind the requirement. You will not be audited against guidance.

## Requirements

In this standard you will find two different types of requirements:

- **Core requirements** which reflect Fairtrade principles and all of which must be complied with. These are indicated with the term 'Core' found in the column on the left throughout the Standard.
- **Voluntary Best Practices (VBP)** which refer to the additional steps that all supply chain actors can take to foster even fairer trading conditions. They serve as your reference point for achieving best practice and contribute to greater sustainability in the entire supply chain. These practices are voluntary and not required in order for you to be in compliance. They will be however monitored on a regular basis in order to identify those actors that go beyond minimum compliance. These practices are indicated with the term 'VBP' found in the column on the left throughout the standard.

## Scope

**This standard applies to all Fairtrade cane sugar producers and all companies that buy and sell Fairtrade cane sugar.** All operators taking ownership of Fairtrade certified products and / or handling the Price and Fairtrade Premium are audited and certified.

Different requirements apply to different companies depending on their role in the supply chain. You can find if a requirement is applicable to you in the column "applies to".

## Application

This version of the Fairtrade Standard for Cane Sugar was published and is applicable as of **1 May 2017**. This version supersedes all previous versions and includes new and changed requirements. New requirements introduced in this version as well as in version v1.0 are identified in this standard by the word "**NEW**".

## Definitions

**Fairtrade eligible** is the volume of all cane produce by certified producers that can be sold under Fairtrade conditions.

**Producer** means any entity that has been certified under the Fairtrade Standard for Small Producer Organizations. **Individual producers** are the members of those organizations.

**Retro-certification** occurs when a Fairtrade payer buys cane sugar from a Fairtrade producer or exporter under ordinary conditions (non-Fairtrade) and at a later stage converts it into a Fairtrade product.



For a comprehensive list of definitions see the [Fairtrade Trader Standard](#).

## Monitoring of changes

Fairtrade International may change Fairtrade standards as explained in Fairtrade International's Standard Operating Procedures, see [www.fairtrade.net/setting-the-standards.html](http://www.fairtrade.net/setting-the-standards.html) . Fairtrade Standard requirements can be added, deleted, or changed. If you are Fairtrade-certified, you are required to check the Fairtrade International website regularly for changes to the standards.

Fairtrade certification ensures that you comply with Fairtrade standards. Changes to Fairtrade Standards may change the requirements of Fairtrade certification. If you wish to be or are already Fairtrade certified, you are required to check the compliance criteria and certification policies on the certification body's website regularly at [www.flo-cert.net](http://www.flo-cert.net).

## Change history

Version number	Date of publication	Changes
01.05.2011_v1.0	01.05.2011	New Standards Framework (NSF) changes: (1) reorganization of the standard into 4 chapters.
01.10.2015_v1.0	01.10.2015	Full review of the standard, alignment with the Trader Standard.  New requirements on like for like rule, GMO contamination, reporting on indicators on sustainable production, drinking water for workers, additional reporting by conveyors, premium payment in case of multiple producers supplying the same mill, premium planning and regular meetings with producers.  Addition of definition section, simplification of wording, reorganization of requirements, deletion of redundancies, added or improved guidance, new standard design.
01.10.2015_v1.1	01.05.2017	Full substitution of cane sugar with beet sugar allowed, added guidance in like for like requirement 2.1.1., amendment of requirement 2.1.2 on substitution of cane sugar with beet sugar.
01.10.2015_v1.2	10.06.2020	Addition of exceptions on maximum land size applicable in Belize, Fiji, Mauritius and Paraguay.



# 1. General Requirements

## 1.1.1 Exceptions on maximum land size

<b>Applies to:</b> Producers in Belize, Fiji, Mauritius and Paraguay	
<b>Core</b>	The maximum size of the cultivated land where a member grows cane sugar is equal to or below 30 hectares (see SPO 1.2.3). Exceptions on the restriction on size of cultivated land are possible however are limited to a maximum of 15% of members. The maximum size of the land where members grow cane sugar cannot be higher than 100 hectares in any case.
<b>Year 0</b>	
<b>Guidance:</b> This requirement complements the requirement 1.2.3 in the SPO Standard.	

# 2. Trade

**Intent:** To provide maximum benefits to producers, while remaining credible to consumers.

## 2.1 Traceability

### 2.1.1 **NEW** Mass balance: like for like rule in sugar

<b>Applies to:</b> All traders that apply mass balance									
<b>Core</b>	You <b>ensure</b> that Fairtrade inputs are of the <b>same kind and quality</b> as the inputs used to process the Fairtrade output (like for like).								
<b>Year 0</b>									
<p><b>Guidance:</b> The requirement 2.1.11 in the Trader Standard should be applied considering that for sugar the same kind and quality includes, but is not limited to, the sugar specification described below.</p> <p>Exchange of inputs within the same classification group is allowed but should not be to disadvantage of the producer.</p> <p>This requirement does not apply if raw sugar for refining is further processed to any of the following specifications.</p> <table border="1" data-bbox="188 1556 1401 1821"> <thead> <tr> <th colspan="2">Sugar specification / classification</th> </tr> </thead> <tbody> <tr> <td>White and refined sugars</td> <td>Pol. min. 99, 7°, colour max. ICUMSA 150, includes plantation white</td> </tr> <tr> <td>Unrefined sugars for direct consumption</td> <td>Different colours and crystals / grains; from off white to dark brown (for example includes, but is not limited to, soft browns, golden browns and demerara)</td> </tr> <tr> <td>Non-centrifugated dehydrated sugar cane juice (as defined by the FAO Codex Alimentarius Commission)</td> <td>E.g. panela, jaggery</td> </tr> </tbody> </table>		Sugar specification / classification		White and refined sugars	Pol. min. 99, 7°, colour max. ICUMSA 150, includes plantation white	Unrefined sugars for direct consumption	Different colours and crystals / grains; from off white to dark brown (for example includes, but is not limited to, soft browns, golden browns and demerara)	Non-centrifugated dehydrated sugar cane juice (as defined by the FAO Codex Alimentarius Commission)	E.g. panela, jaggery
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<p><b>Examples:</b> If you sell Fairtrade white and refined sugars then the input purchased cannot be unrefined sugars for direct consumption; if you sell unrefined sugars for direct consumption then the input purchased cannot be non-centrifugated dehydrated sugar cane juice; if you sell Fairtrade organic sugar then the input purchased cannot be non-organic Fairtrade sugar.</p>									



White refined sugar made out of beet sugar and white refined sugar made out of cane sugar are considered as “like for like”, as long as the specifications mentioned above are respected.

### 2.1.2 **NEW** Mixing or substitution of cane sugar with beet sugar

**Applies to:** All traders that apply mass balance and sell white refined sugar

<b>Core</b>	In case you sell white refined sugar as Fairtrade under mass balance you are allowed to mix or substitute cane sugar with beet sugar. In your sales documentation you clearly indicate to your business customer that the sugar sold as Fairtrade is made from beet sugar or is a mix of both beet and cane sugar.
<b>Year 0</b>	

**Guidance:**  
This requirement complements the TS requirements on mass balance

### 2.1.3 **NEW** Avoiding GMO contamination

**Applies to:** All traders that apply mass balance

<b>Core</b>	You <b>do not use</b> genetically-modified beet sugar in a Fairtrade product.
<b>Year 0</b>	

## 3. Production

**Intent:** To promote additional practices that stimulate sustainable production and the well-being of workers.

### 3.1 Production indicators

#### 3.1.1 **NEW** Reporting of indicators

**Applies to:** All producers

<b>Core</b>	You <b>report</b> at least once a year on the following <b>monitoring indicators</b> : volumes and yields, kill/mill interval, use of inputs, water management. You <b>send</b> this information to <a href="mailto:sugar@fairtrade.net">sugar@fairtrade.net</a> .
<b>Year 3</b>	

**Guidance:** Monitoring production practices facilitates learning processes and enables the introduction of more sustainable practices and competitiveness over time. In addition, this information provides key data to the market.  
A reporting template is provided in [Annex 1](#) of this standard. You can use this template or use your own material, as long as you provide all the necessary information.



## 3.2 Occupational health and safety

### 3.2.1 **NEW** Drinking water for workers

<b>Applies to:</b> All producers	
<b>Core</b>	You and the members of your organization <b>ensure</b> that all field workers have clean drinking water.
<b>Year 0</b>	

# 4. Business and Development

**Intent:** To ensure that Fairtrade transactions are carried out under transparent and fair conditions, in a way that lays the foundations for producer empowerment and development.

## 4.1 Contracts

### 4.1.1 Contracts / Supply agreements

<b>Applies to:</b> Mills / exporters	
<b>Core</b>	You <b>sign</b> contracts / supply agreements with producers prior to or as soon as possible during the cane harvest, including for Fairtrade eligible cane.
<b>Year 0</b>	

### 4.1.2 **NEW** Bi-annual reporting by conveyors

<b>Applies to:</b> Fairtrade conveyors	
<b>Core</b>	You <b>send</b> to the producer, twice a year, a report including, for each purchase contract, the exact volumes that have been sold and Fairtrade Premium due.
<b>Year 0</b>	
<b>Guidance:</b> This requirement replaces the requirement 4.1.5 in the Trader Standard.	

## 4.2 Price and Fairtrade Premium

### 4.2.1 **NEW** Payment and agreement on market price

<b>Applies to:</b> Fairtrade conveyors	
<b>Core</b>	You <b>agree</b> with the producer the price and payment terms. If prices are defined by national authorities through mechanisms such as revenue sharing systems or if the price is set by the government, a written agreement is not necessary.
<b>Year 0</b>	





**Guidance:** This requirement replaces the requirement 4.2.1 in the Trader Standard. You are encouraged to share with producers information about how the payment system in your country works.

#### 4.2.2 Fairtrade Premium for secondary products and / or its derivatives

<b>Applies to:</b> Fairtrade payers	
<b>Core</b>	For secondary products and / or its derivatives, you <b>pay</b> at least a Fairtrade Premium of 15% in addition to the negotiated price.
<b>Year 0</b>	

### 4.3 Timely payment

#### 4.3.1 Timely payment of Premium by payers

<b>Applies to:</b> Fairtrade Payers	
<b>Core</b>	You <b>pay</b> the producer (or the conveyor, if applicable) the Fairtrade Premium for the Fairtrade products no later than 30 days after the receipt of the documents transferring ownership.
<b>Year 0</b>	

#### 4.3.2 **NEW** Aggregation of premium payment by conveyors

<b>Applies to:</b> Fairtrade Conveyors	
<b>Core</b>	Where requested and agreed by the producers, you <b>can transfer</b> premium payments in an aggregated manner, in which case this payment must be made no later than 30 days after the end of each quarter.
<b>Year 0</b>	

### 4.4 Premium payment in case of multiple producers supplying the same mill

#### 4.4.1 **NEW** Agreement among multiple producers supplying the same mill

<b>Applies to:</b> All producers	
<b>Core</b>	You <b>have</b> an agreement with other producer organizations delivering to the same mill on how the Fairtrade Premium will be shared among the organizations. You <b>inform</b> the mill about the agreement in writing before harvest starts.  In case there is no agreement on how the Fairtrade Premium should be distributed among producer organizations delivering to the same mill, then a mediation process must be started immediately. If there is no conclusion within 4 weeks after the mediation process has started, you <b>accept</b> that the payer distributes the premium according to the volume of sugar cane delivered by each organization.
<b>Year 0</b>	
<b>Guidance:</b> Mediation can be led by Producer Networks or Fairtrade International (GPM) or any other body that all parties can agree on.  Other alternatives for the distribution of premium are for example Fairtrade Premium equally divided by the number of organizations delivering to the mill or Fairtrade Premium distributed proportionate to the number of members in each organization.	



#### 4.4.2 **NEW** Agreement on membership lists

<b>Applies to:</b> All producers	
<b>Core</b>	In cases where individual producers are members of more than one organization, you <b>agree</b> internally on your membership list and send it to the mill / exporter before harvest starts. The list includes the date and the expected overall volume of the organization and per member. Changes to the membership will not be accepted during harvest. Individual producers can only be a member of one organization at a time.
<b>Year 0</b>	

#### 4.4.3 Documentary traceability

<b>Applies to:</b> Mills / exporters	
<b>Core</b>	You <b>keep</b> records with the names of the individual producers, the producer organization of the individual producers, the volumes, and the dates of the delivery. You <b>seek</b> confirmation of the volumes of cane supplied by each producer organization per harvest.  You <b>communicate</b> to the payer the agreement reached by producers on premium distribution, or in case of no-agreement among producers, the volumes of cane supplied by each producer organization.
<b>Year 0</b>	

#### 4.4.4 **NEW** Payment of premium when multiple producers supply the same mill

<b>Applies to:</b> Fairtrade payers	
<b>Core</b>	You <b>pay</b> the premium according to the information provided by the mill / exporter.
<b>Year 0</b>	

### 4.5 Premium use

#### 4.5.1 **NEW** Premium planning

<b>Applies to:</b> All Producers	
<b>Core</b>	When planning for the Fairtrade Development Plan, you <b>discuss</b> if investing the Fairtrade Premium in activities that increase <b>quality and productivity</b> would help your members to have more secure incomes. You present the results of this discussion to the General Assembly before approving the Fairtrade Development Plan.
<b>Year 0</b>	
<b>Guidance:</b> The intention of this requirement is that you and your members are aware that programs to increase productivity and quality may be an important tool to increase income and that you are able to assess whether or not these investments respond to the needs of your organization, members, workers and communities. You are encouraged to use at least 25% of the value of the Fairtrade Premium for productivity, quality and sustainable production improvement activities. However, it is recognized that producer organizations are free to decide on their premium use.	

## 4.6 Access to finance

### 4.6.1 **NEW** Pre-financing Fairtrade contracts

<b>Applies to:</b> First buyer of cane	
<b>VBP</b>	You <b>provide</b> other forms of financial support to producers, as described in requirement 4.4.5 in the Trader Standard.
<b>Year 0</b>	
<p><b>Guidance:</b> Since individual cane producers are paid directly by the mill or any-other body in the country of origin, pre-finance is not applicable.</p> <p>This requirement replaces the requirement 4.4.1 in the Trader Standard.</p>	

### 4.6.2 **NEW** Access to other types of finance

<b>Applies to:</b> Fairtrade payer	
<b>VBP</b>	You <b>provide</b> other forms of financial support to producers, as described in Trader Standard (req. 4.4.5.), for example, to pay the premium in advance.
<b>Year 0</b>	

## 4.7 Sourcing and market information for planning

### 4.7.1 **NEW** Regular meetings with producers

<b>Applies to:</b> Mills / exporters or marketing body in the country of origin.	
<b>Core</b>	You <b>invite</b> representatives of all producer organizations you buy from, to regular meetings to discuss how to improve sustainable production of sugar cane, sugar and its secondary products. You <b>share</b> an annual report of Fairtrade sales as well as an overview of the premium to be received. These meetings take place at least twice a year and agreements are minuted.
<b>Year 0</b>	
<p><b>Guidance:</b> It is recommended that the meetings take place before the harvest and after Fairtrade sales are confirmed. The meetings are convened by the mill, the exporter or the marketing body. It is usually the body the producers have the contract with.</p>	

## 4.8 Retro-certification

### 4.8.1 Sourcing

<b>Applies to:</b> Producers	
<b>Core</b>	You <b>can sell</b> your cane as retro-certified for a maximum of one year before the initial certification was granted.
<b>Year 0</b>	



#### 4.8.2 Confirmation of Fairtrade eligible

<b>Applies to:</b> Fairtrade payer	
<b>Core</b>	You <b>are allowed</b> to retro-certify sugar. If you retro-certify you ensure you <b>have</b> a written confirmation from the exporter that Fairtrade eligible sugar is available.
<b>Year 0</b>	

#### 4.8.3 Record-keeping

<b>Applies to:</b> Exporters	
<b>Core</b>	You <b>keep track</b> of volumes of retro-certified sugar.
<b>Year 0</b>	

## Annex 1: Reporting template for production indicators

### Fairtrade Standard for Cane Sugar

This template is designed to help you comply with requirement 3.1.1 in the Production section in the Fairtrade Standard for Cane Sugar. This template can also help you to comply with requirement 4.5.1 in the Cane Sugar Standard regarding Premium planning activities. It can be an effective tool to monitor production indicators and to assess whether further investments in productivity and quality respond to the needs of your organization, members, workers and communities. It is not necessary that you use this template in order to comply with the requirements, but it can help you to have a starting point, guide you through the process and provide you with ideas.

Unpredictable, volatile and low cane and sugar prices have threatened the viability of sugar cane production, especially for small farmers. Monitoring production practices allows you and your members to have an overview of your performance and enable you to take measures to increase your competitiveness and productivity. Such activities can include improving the use of inputs, production and/or harvesting methods, or seeking collaboration with research institutes and the industry. Decreasing unnecessary costs and using the right inputs to improve your productivity could result in an increased revenue / income. The development and monitoring of indicators offers you and your members a greater control over your organization, especially if you collect good quality data for comparison and analysis.

In addition, this information provides key data to buyers. The information generated by using this template can provide further evidence of measurable impact for producers while it also allows Fairtrade International to better understand producer organizations and consequently shape and improve the Fairtrade system by identifying target areas where further support for producers is needed.

Abbreviations used: MT (metric tons), ha (hectares), kg (kilograms)

#### General information of the organization:

FLO ID	
Name of the organization	
Number of individual members producing sugar cane	
Production/crop year	
<i>Guidance: all information reported should cover the same crop year.</i>	
Are the figures provided a sample or do they include the information of all your individual members?	<input type="checkbox"/> The information reported below include all my members <input type="checkbox"/> The information reported below is based on _____ ( ____%) of my members
<i>Guidance: You can collect the information based on the whole membership or on a selection of producers. If you decide to report on a sample, this should be representative for the whole membership (for example the size, area of production within the country, climatic differences, flat land or rocky / hilly areas, etc.). Also, indicate the percentage of producers that are covered and describe the criteria you used to choose your sample.</i>	

<p><i>It is recommended that you continue to report on the same group of members from year to year; otherwise you will not be able to compare the data. If from one year to another you select a different sample, please explain why.</i></p>	
<p>Average MT of cane per MT of sugar</p> <p><i>Guidance: Also known as “tc/ts” and is established on a daily basis as an average of the overall performance during the crushing period. Usually the processor informs the average after the harvest is completed.</i></p>	
<p>Total volume of in MT of cane produced by members in the last crop year.</p> <p><i>Guidance: This is the volume produced NOT the volume delivered to the mill.</i></p>	
<p>Total volume of MT of cane processed by your members in the last crop year</p>	
<p>Total land area under cane sugar production (ha)</p> <p><i>Guidance: This is the total land area from all members which was cultivated with cane sugar in the last crop year</i></p>	

Topic	Indicator	Unit of measurement	Data	Source of information (where does the information coming from)	Comment (Any additional information that gives background on the data provided and that explains it in comparison with the previous year and/or other reference data like region averages)
<p><b>1. Volumes and yields</b></p> <p>Fairtrade cane sugar is produced in very different geographical areas, therefore the following examples are only an indication and might be different for your own organization. Various strategies could support you in achieving best performance of yields, for example maintenance of ratoons before planting, soil preparation and use of inputs based on results of soil testing, choice of varieties and adhering to variety / soil, training and implementation of Good Agricultural Practices, among others.</p>					
1.1 Cane /Sugar yield	Average MT of cane per MT of sugar	tc/ts	<i>Example: 8.6</i>	<i>Example: provided by the processor</i>	<i>Examples of factors affecting yields, climate, logistics, number of days of unapproachable fields, number of day of mill breakdown, information on mill efficiency</i>
1.2 Sugar yield	Average MT of sucrose per hectare	ts/ha			
1.3 Field yield	Total volume of cane produced by members / Total land area under cane production	tc/ha	<i>Example: &gt;80 tc/ha 1R; &gt;70 tc/ha 2R; &gt;65 tc/ha 4R</i>		

Topic	Indicator	Unit of measurement	Data	Source of information (where does the information coming from)	Comment (Any additional information that gives background on the data provided and that explains it in comparison with the previous year and/or other reference data like region averages)
<p><b>2. Kill/mill interval: this interval is the time between cutting/burning the cane and delivering to the mill and is generally optimized by harvesting at peak maturity (ripeness) of the cane and reducing extraneous matter content in canes harvested.</b></p> <p>The interval depends on your transport methods from the collection point to the mill and the distance to the processor. The cane needs to be crushed as fresh as possible, therefore the quickest you can deliver the cane to the mill, the higher the sugar yield.</p> <p>The difference of the threshold of 96 hours (48 hrs x 2) for green (fresh) cane takes in consideration the fact that sucrose content of burnt cane deteriorates approximately twice as fast than the sucrose content of green cane.</p> <p>Harvesting green or burnt cane has interdependency with the processing/crushing. In Fairtrade origins burning cane as a harvesting method is a practice of small farmers / workers and manual cane cutting that exist in some countries. Cane cutting is done manually and harvesting burnt cane is one method to prevent death or injuries of cutters / farmers by snake bites.</p>					
2.1 Average Kill/Mill interval burnt cane	Volume of <b>burnt</b> cane that was milled below 48 hours	MT			
	Volume of <b>burnt</b> cane that was milled above 48 hours	MT			
2.2 Average Kill/Mill interval green cane	Volume of <b>green</b> cane that was milled below 96 hours	MT			
	Volume of <b>green</b> cane that was milled above 96 hours	MT			
<p><b>3. Use of inputs</b></p> <p>Understanding and recording the use of inputs will enable you to take informed measures to increase your competitiveness and productivity and/or seek technical support if needed. Ideally the use of inputs, for example of fertilizers should be applied in amounts that respond to the nutrient need of the crop. The use of resistant cane varieties and integrated pest management decreases the need to use pesticides.</p> <p>See the Fairtrade Standard for Small Producer Organizations requirements 3.2.2; 3.2.5; 3.2.19; 3.2.22; 3.2.27, for more information on requirements related to use of inputs.</p>					
3.1 Use fertilizers	Do your individual members keep records of the use of fertilizers?	Yes/No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
	How many of your individual members apply fertilizer based on: a) their own knowledge b) results of soil sampling	Number of individual members applying fertilizer based on	a) ___ members apply fertilizer based on <b>their own knowledge</b> b) ___ members apply fertilizer based on <b>results of soil sampling</b>		

Topic	Indicator	Unit of measurement	Data	Source of information (where does the information coming from)	Comment (Any additional information that gives background on the data provided and that explains it in comparison with the previous year and/or other reference data like region averages)
	c) industry recommendations d) others (please specify)	the examples provided	c) ____ members apply fertilizer based on <b>industry recommendations</b> d) ____ members apply fertilizer based on _____		
3.2 Use of pesticides	Main pesticides used	Commercial names of the pesticides	<i>Commercial name: targeted pests (Kg/ha)</i> <i>Eg. Lorsban: sugarcane borer (1.6 Kg/ha)</i>  1. _____ : _____ (____ Kg/ha)  2. _____ : _____ (____ Kg/ha)  3. _____ : _____ (____ Kg/ha)		
	Main pests targeted	Name of pest			
	Kg of the pesticide applied per ha	kg/ha			
3.3 Use of herbicides	Main herbicides used	Commercial names of the herbicides	<i>Commercial name: targeted weed (Kg/ha)</i> <i>Eg. AAtrex: weed control (2 Kg/ha)</i>  1. _____ : _____ (____ Kg/ha)  2. _____ : _____ (____ Kg/ha)  3. _____ : _____ (____ Kg/ha)		
	Main weeds targeted	Name of weed			
	Kg of the herbicide applied per ha	Kg/ha			



Topic	Indicator	Unit of measurement	Data	Source of information (where does the information coming from)	Comment (Any additional information that gives background on the data provided and that explains it in comparison with the previous year and/or other reference data like region averages)
<b>4. Water management</b>					
<p>Good management practices include water. Too much water can damage soil and result in higher cane growth but less overall sugar production, while too little water can result in poor growth and damaged crops. Production and productivity evolve under different conditions even in the same geographical location. Monitoring water use, irrigation and drainage practices will enable you or your research institutes / industry / partners to develop more precise recommendations that will help the members of your organization to improve productivity and quality. There are additional costs involved in irrigation projects, therefore recording the water use could be important to see how (or whether) those costs are validated by the production and productivity gains.</p> <p>See the Fairtrade Standard for Small Producer Organizations requirement 3.2.26 for more information on water management</p>					
4.1 Irrigation	Hectares of rainfed cane production	ha			
	Hectares of cane production under irrigation	ha			
	Volume of water in m3 per hectare used for irrigation	M3/ha			
	Type of irrigation systems used	List of methods used	<i>Example: drip irrigation</i>		
4.2 Drainage	Hectares of cane production with drainage	ha			
	Type of drainage methods used	List of methods used	<i>Examples: placing pipes (underground drainage), use of pumps</i>		



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The English version of the standard is the official version. Fairtrade offers translations into other languages for information purposes only. Although Fairtrade strives to ensure accuracy in translations, the English version of the standard is the basis for all certification decisions, particularly if conflicts on these decisions should arise.

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