

MAURITIAN  
STANDARD

**MS 184-1:  
2019**

First edition  
2019-09-28

---

---

**Specification for Good  
Agricultural Practices for  
Crop Production –  
MauriGAP – Part 1 – Basic  
requirements**

ICS 67.120.20



**Mauritius Standards Bureau  
Moka**



**COPYRIGHT PROTECTED DOCUMENT**

© MSB 2019

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without permission in writing from Mauritius Standards Bureau at the address below

Mauritius Standards Bureau  
Villa Road  
Moka  
Mauritius

*Telephone*        + (230) 433 3648  
*Fax*                 + (230) 433 5051/ 433 5150  
*E-mail*             [msb@intnet.mu](mailto:msb@intnet.mu)

<b>Contents</b>	<b>Page</b>
<b>Introduction .....</b>	<b>v</b>
<b>1 Scope .....</b>	<b>1</b>
<b>2 Normative References.....</b>	<b>1</b>
<b>3 Terms and definitions.....</b>	<b>1</b>
<b>4 Requirements.....</b>	<b>4</b>
<b>4.1 Soil and substrate.....</b>	<b>4</b>
<b>4.2 Planting materials.....</b>	<b>5</b>
<b>4.3 Fertilizers .....</b>	<b>5</b>
<b>4.4 Irrigation .....</b>	<b>6</b>
<b>4.5 Crop protection .....</b>	<b>6</b>
<b>4.6 Harvesting.....</b>	<b>9</b>
<b>4.7 Produce handling .....</b>	<b>10</b>
<b>4.8 Packing, Transport and Storage of produce.....</b>	<b>10</b>
<b>4.9 Waste pollution management and re-cycling.....</b>	<b>10</b>
<b>4.10 Worker welfare .....</b>	<b>10</b>
<b>4.11 Records .....</b>	<b>11</b>
<b>4.12 Traceability .....</b>	<b>11</b>
<b>Annex A (informative) FAREI Guidelines on Soil conservation practices .....</b>	<b>12</b>
<b>Annex B (informative) Crop rotation .....</b>	<b>16</b>
<b>Annex C (normative) FAREI Guidelines for use of Hydroponic leachate     in food production.....</b>	<b>17</b>
<b>Annex D (normative) Records.....</b>	<b>18</b>

## **Foreword**

This Mauritian Standard was drawn by the Food Products Standards Committee (FPSC) through its Subcommittee on Bioproducts. It was approved by the Standards Council on 29 August 2019 and notified in the Government Gazette on 28 September 2019\*.

This second edition cancels and replaces the first edition (MS 184 part 1: 2015) which has been technically revised.

In preparing this standard the following were used as working documents:

GLOBALGAP General Regulations  
GLOBALGAP Control Points and Compliance criteria  
GLOBALGAP Checklist  
LOCALGAP General Regulations  
LOCALGAP Control Points and Compliance criteria  
LOCALGAP Checklist

The use of information and assistance derived from the above documents is gratefully acknowledged.

**\* General notice No. 1623 of 2019**

## Introduction

Across the world people are becoming increasingly aware of the health risks associated with the consumption of contaminated food and the adverse impacts of high input agriculture on the environment and ecosystem services. Consumers are, therefore, demanding quality food produced safely and sustainably. Thus to meet this challenge, retailers around the globe are requesting Good Agriculture Practices (GAP) certification of agricultural produce from their suppliers. The GLOBALGAP is an internationally recognized standard (Integrated Farm Assurance Standard, IFA) for farm production (crops, livestock, and ornamentals). The Good Agricultural Practices (GAP) address food safety, traceability, environmental conservation, workers' health, and animal welfare.

The implementation processes to meet the GLOBAL GAP criteria can be a daunting task for local producers. The introduction of MauriGAP is a stepping stone toward GLOBALGAP certification. It is the basic quality assurance programme that sets certain food safety requirements while ensuring sustainable production practices. It provides for traceability of production practices, cost effective solutions, promotes market access, and helps producers gain gradual recognition.

With a view to help local producers gain gradual recognition ultimately leading to the GLOBALGAP certification, the MauriGAP programme is staggered in 3 levels:

MauriGAP – Part 1 - Basic requirements

MauriGAP – Part 2 - Intermediate requirements

MauriGAP – Part 3 - Advanced requirements

# Specifications for Good Agricultural Practices for Crop Production – MauriGAP - Part 1: Basic requirements

## 1 Scope

This Standard establishes basic requirements for sustainable crop production, focusing on Good Agricultural Practices for food safety, traceability, environmental stewardship and farmer/worker welfare.

This Standard applies to open field and protected cultivation as well as to hydroponics, horticulture and flowers.

This standard will be used for inspection and certification purposes of the crop production process from production to farm gate and/ or packing unit.

This standard excludes genetically modified organisms. Plants grown in nurseries are also excluded.

## 2 Normative references

The following normative documents are indispensable for the growers seeking MauriGAP Part 1 certification. For dated references, only the edition cited applies. For undated references, the latest edition (including any amendments) applies.

**FAREI/IU/2014/G2.0/Rev 1.0**

FAREI Guidelines for use of Hydroponic leachate in food production

**FAREI/IU/2014/Li1.0/Rev 1.0**

FAREI recognized authorized suppliers for pesticides, fertilizers and planting materials

**National Food Legislations and Regulations  
Dangerous Chemical Control Act  
Guide Agricole**

## 3 Terms and definitions

For the purpose of this standard, the following definitions apply:

### 3.1 certification

the procedure by which official certification bodies, or officially recognized certification bodies, provide written or equivalent assurance that production systems conform to requirements.

Note: Certification of process may be, as appropriate, based on a range of inspection activities which may include continuous on-line inspection, auditing of quality assurance systems and evaluation of records

### 3.2

#### **certification body**

a body which is responsible for verifying that the agricultural production is as per the requirements of this Standard and official guidelines specified

### 3.3

#### **clean water**

water that does not compromise food safety in the circumstances of its use

### 3.4

#### **compost**

the stable, humus-like product resulting from the controlled biological decomposition of organic residues such as wood chips, leaves or grass and manures that can be used as an organic fertilizer for improving soil fertility

### 3.5

#### **competence**

ability to apply knowledge, experience and skills to achieve intended results

### 3.6

#### **contamination**

the introduction or occurrence of a contaminant in food production from farm to farm gate.

### 3.7

#### **crop rotation**

the practice of alternating families of annual and/or biennial crops grown in a certain field in a pattern or sequence so as to break weed, pest and disease cycles and to maintain or improve soil health

### 3.8

#### **farmer**

a person who is registered with the recognized authorities to carry out farm operations in accordance with this Standard

### 3.9

#### **Genetically Modified Organism (GMO)**

an organism, the genes or genetic material of which have been modified in a way that does not occur naturally through mating or natural recombination, or both; and includes any of its derivatives.