

SS 675 : 2021
(ICS 65.020.20)

SINGAPORE STANDARD

Specification for good agriculture practice



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ComCrop Pte Ltd
Dairy Farm Singapore
Indoor Farm Factory Innovation
Kok Fah Technology Farm Pte Ltd
Livfresh Pte Ltd
Ministry of Manpower
National Parks Board
National University of Singapore
NTUC Fairprice Co-operative Ltd
Republic Polytechnic
SATS Ltd
Singapore Environment Council
Singapore Food Agency
Yili Vegetation & Trading Pte Ltd

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Foreword

This Singapore Standard was prepared by the Working Group on Good Agriculture Practice for Vegetable Farming set up by the Technical Committee on Agritech and Agrifood Production under the purview of FSC.

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In preparing this standard, reference was made to the following publications. Permission has also been sought from the following organisations to reproduce their works in this Singapore Standard:

1. ASEAN Secretariat – ASEAN Good Agriculture Practice Standard
2. GLOBALG.A.P. – GLOBALG.A.P. standard
3. Ministry of Agriculture, Forestry and Fisheries – Japanese Agricultural Standard (JAS) Cultivation environment management of leafy vegetables in plant factory with artificial lighting
4. European Union – Official Journal of the European Union, Regulation (EU) 2019/1009 of the European Parliament and of the Council of 5 June 2019, Page 14, © European Union, <http://eur-lex.europa.eu>, 1998-2021
5. Food and Agriculture Organization of the United Nations, 2007, Codex Alimentarius for Fresh Fruit and Vegetables, <http://www.fao.org/3/a1389e/a1389e00.htm>. Reproduced with permission.
6. SS 661 : 2020 Specification for clean and green urban farms – Agriculture
7. SS 670 : 2021 Specification for good aquaculture practice

Acknowledgement is made for the use of information from the above publications.

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0 Introduction

0.1 Singapore food supply is vulnerable to the volatilities of the global food market including sudden disruptions of supply sources and to transport routes. This is in addition to the challenges such as climate change which affect food production locally and worldwide. To ensure food security, Singapore has set the target of producing 30% of Singapore's nutritional needs by 2030 (also known as the "30 by 30" goal).

0.2 This standard is intended to help farmers improve productivity and provide quality assurance through the adoption of farming technologies and best practices, and having trained personnel, thus enhancing market access. It also aims to assist local farms to meet the increasing market/consumers' demand for farm produce to have attributes beyond the basic safety requirements. Retailers' and consumers' preferences are shifting towards sustainable and ethical business practices and consumers are willing to pay a premium for higher quality and sustainably produced products. As such, more organisations are implementing business practices that have low environmental impact, uphold animal welfare, protect public health and have good employment practices and community support.

0.3 Globally, more farms are adopting international and/or national farming standards as they seek to enhance their access to export markets that demand such increasing consumer requirements. Regionally, Association of Southeast Asian Nations (ASEAN) had developed a Good Agriculture Practice (ASEAN GAP) for fresh produce farms in 2014. ASEAN member states including Singapore are also in the midst of aligning their national agri-food standards as part of an ASEAN commitment to realise the ASEAN Economic Community, through the promotion of intra-regional trade of agri-food products by improving food safety and the agri-sector competitiveness.

0.4 The standard aims to address these new market/consumer requirements and to align with the ASEAN GAP. This allows local farms to demonstrate that they have a robust farm management system in place to address food safety, produce quality, environmental management, workers' health, safety and welfare. Farms applying this standard will be able to enhance the branding of their fresh produce to improve their market access and gain better acceptance from customers.

1 Scope

The standard provides a set of requirements for a farm management system detailing best practices to prevent risk of hazards occurring to ensure the production of safe and high quality produce, while minimising impact to the environment and workers.

The scope of the standard covers the following four areas of agriculture farm production:

- a) food safety;
- b) crop protection and produce quality;
- c) environmental management; and
- d) workers' health, safety and welfare.

The standard covers all phases of farm operations, including pre-production (nursery), cultivation, harvesting and postharvest handling prior to delivery of agriculture products for both outdoor and indoor agriculture. This standard applies to vegetables, fruits and herbs farms.