



DRAFT INDIAN STANDARD IN WIDE CIRCULATION

Reference : FAD 22/T

Date : 19 February 2024

TECHNICAL COMMITTEE : Agricultural Systems And Management, FAD 22

To,

All concerned

Dear Madam/Sir,

The following document has been prepared by the Agricultural Systems And Management Sectional Committee, FAD 22. Please [click here](#) to view the document.

Document Number : FAD 22 (23575) WC

Title of the document : HYDROPONIC FARMING PRODUCTION SYSTEM - REQUIREMENTS

Document Type : New Indian Standard

This document has following salient features which may require specific attention for your valuable comments:

- 1) Hydroponics is the technique of growing plants using a water-based nutrient solution rather than soil, and can include an aggregate substrate, or growing media, such as vermiculite, coconut coir, or perlite etc. Hydroponic production systems are used by small farmers, hobbyists, and commercial enterprises. Hydroponics was a successful technique used to supply fresh vegetables in many countries and has been considered as the future of farming to grow foods for astronauts in space by NASA. Hydroponics enables urban farming in the sense that it can be used to cultivate plants on roofs and even in bedrooms.*
- 2) Hydroponic production system has been identified as one of the priority subjects under Standards National Action Plan 2022-27 developed after multiple stakeholder consultation. Considering the above, this National Standard for Hydroponic Farming Production system has been taken up for development in order to provide required guidance to the farming community and all concerned stakeholders. This standard will provide recommendations on requirements for substrates, structures, nutrients, maintenance and also the basis for development of conformity assessment scheme in future in order to evaluate the hydroponic farming production system.*
- 3) This standard covers the guideline for operation of hydroponic systems including requirements of substrates, nutrient solution and structure design.*

Please examine the document and share your comments regarding further improvement in the document.

Last date for sharing the comments is : 19 April 2024

The comments should be shared in the prescribed template through this portal only; and the comments so received shall be taken up by the Sectional Committee for necessary action. For any other query, please write an email at fad@bis.gov.in to the undersigned at Bureau of Indian Standard, Manak Bhawan, 9, Bahadur Shah Zafar Marg, New Delhi.

In case no comments are received, we would presume your approval of the documents. However, in case we receive any comments on the document, the same shall be put up to the Sectional Committee for necessary action.

Thanking You,

**Yours faithfully,
Suneeti Toteja
Head (Food and Agriculture Department)
Email: fad22@bis.gov.in**



व्यापक परिचालन में मसौदा(दे)

हमारा सन्दर्भ : FAD 22/T

दिनांक : 19-02-2024

तकनीकी समिति : Agricultural Systems And Management Sectional Committee, FAD 22

प्राप्तकर्ता : रूचि रखने वाले सभी निकाय

महोदय/या,

निम्नलिखित मसौदा तैयार किया गया है :

प्रलेख संख्या : FAD 22 (23575) WC

शीर्षक :

कृपया इस/इन मानक(को)/संशोधन(नो) के मसौदे(दो) का अवलोकन करें और अपनी सम्मतियाँ यह बताते हुए भेजें कि यदि ये मानक(को) के संशोधन(नो) के रूप में प्रकाशित हो तो इन पर अमल करने में आपके व्यवसाय अथवा कारोबार में क्या कठिनाइयां आ सकती हैं।

सम्मतियाँ भेजने की अंतिम तिथि : 19 April 2024

सम्मतियाँ, यदि कोई हों तो, कृपया यहाँ क्लिक करके ऑनलाइन पोर्टल के माध्यम से ऊपर दी गयी अंतिम तिथि तक दर्ज कराएं।

यह/ये प्रलेख भारतीय मानक ब्यूरो की वेबसाइट www.bis.gov.in पर भी उपलब्ध है/हैं।

धन्यवाद।

भवदीय/भवदिया,
विभाग प्रमुख का नाम :Suneeti Toteja
Head (Food and Agriculture Department)
ई-मेल : fad22@bis.gov.in