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East Asia Farms Uses Solar-Powered Containerized Smart Type

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Overview

How smart is agriculture in Southeast Asia?

By contrast, smart agriculture in Southeast Asia is still in its early stages, and farming practices in some regions of Southeast Asia remain largely traditional (Musa and Basir, 2021). As South Asia faces a harsh climate, it is focusing on the development of climate-smart agriculture.

What are the applications of emerging technologies in Asian smart agriculture?

In this section, we explore the specific applications of various emerging technologies in Asian smart agriculture, including progress and practices in smart crop breeding, advanced plowing, unmanned planting, smart irrigation, agrochemical management, and automated harvesting.

Which countries support smart agriculture policies in Southeast Asia?

Figure 4 C presents the APIs of smart-agriculture policies in Asia. Vietnam (policy number 12) and Thailand (policy number 11) had the highest APIs at 139.02 and 122.76, respectively, highlighting significant support for smart agriculture in Southeast Asia.

What are the research trends in Asian smart agriculture?

According to Bertoglio et al. (2021), the main research streams of smart agriculture in the world are IoT, remote sensing, AI, site-specific management, and climate-smart agriculture. Overall, the research trends in Asian smart agriculture are largely consistent with global trends. However, there are some nuances.

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