

Writing Task Sample

Unit 13 Agripreneurs in China fighting food insecurity (p.107)

How does AI help agriculture and what problems does it pose?

Write an article about the advantages and disadvantages of introducing AI into agriculture in about 200 words.

In recent years, artificial intelligence (AI) technology has been widely **adopted** in agriculture. Many technology companies are **collaborating** with farms to provide modern agricultural **infrastructure** and AI support. However, in the short term, the **application** of AI in agriculture has both advantages and disadvantages.

Compared with traditional methods, AI robots can **harvest** crops faster and with higher **productivity** levels than human workers, which can help to solve the problem of **labour shortage**. AI **drones** can also monitor crops and soil conditions, **maximizing** crop **yields**. Additionally, machine-learning **algorithms** combined with **satellite** data can predict weather patterns and, identify when **pests** first appear, reducing crop loss and the use of harmful **pesticides**.

Despite these benefits, AI can be expensive and unaffordable for most farmers. Moreover, most agriculture in developing countries is family-based and small to medium in scale, making it challenging for these farmers to **acquire** AI technology. Also, the lack of knowledge on advanced technologies **hinders** farmers from effectively **implementing** AI in their businesses.

In conclusion, introducing artificial intelligence into agriculture has both advantages and disadvantages. We should continuously **optimize** this technology and develop more functions that can help agricultural development. Technology companies should also provide more support to farmers by sharing their knowledge and helping them apply AI to their agricultural practices.

~212 words