



Argriculture and Global Warming

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Agriculture and Global Warming

- ▶ Does the agriculture play an essential role in your country?
- ▶ It is said that climate change has some effects on Vietnam's agriculture (World Bank Group and Asian Development Bank, 2020). What effects do you think they are?



The background features abstract, overlapping geometric shapes in various shades of green, ranging from light lime to dark forest green. These shapes are primarily located on the right side of the frame, creating a modern, layered effect. The text is centered on the white background to the left of these shapes.

Watch the video

**How Will Climate Change Impact
Agriculture?**

- ▶ Recently, Vietnam has experienced many extreme weather events, such as floods, storms, and droughts, that harm the agricultural sector and the nation's food security (Do et al., 2021)



Read the text and answer the two questions



1. When does global warming occur?
2. What is the relationship between global warming and agriculture?
3. What impact is global warming having on agriculture?

Read the text again and answer these questions.

- ▶ 4. What challenges related to global warming and agriculture do Asian countries, including Vietnam face?
- ▶ 5. What are strategies that can be used to mitigate the impacts of global warming on agriculture?

A. Word search

Find words or phrases in the article which fit these meanings.

1. Changes in world's weather, particularly an increase in temperature, caused by carbon dioxide in the atmosphere (paragarph A) _____
2. An action that has an important consequence (paragarph A) _____
3. There is not enough of food (paragraph B) _____
4. Main difficult task (paragraph C) _____
5. An insect that detroys plants or food (paragraph C) _____
6. Plans of action or policy designed to achieve a goal (paragraph D) _____
7. Practices where trees are combined with farming (paragraph D) _____

- ▶ 1. Changes in world's weather, particularly an increase in temperature, caused by carbon dioxide in the atmosphere (paragarph A) **climate change**
- ▶ 2. An action that has an important consequence (paragarph A) **significant impact**
- ▶ 3. There is not enough of food (paragraph B) **food shortages**
- ▶ 4. Main difficult task (paragraph C) **major challenge**
- ▶ 5. An insect that detroys plants or food (paragraph C) **pest**
- ▶ 6. Plans of action or policy designed to achieve a goal (paragraph D) **strategies**
- ▶ 7. Practices where trees are combined with farming (paragraph D) **agroforestry**

B. Word partnerships

Match these words to make noun-noun partnerships or adjective-noun collocations from the article.

— 1. Air

2. Food

3. Soil

4. Economic

5. Sustainable

a. degradation

b. impact

c. agriculture

d. pollutants

e. security

- ▶ 1d. Air pollutants
- ▶ 2e. Food security
- ▶ 3a. Soil degradation
- ▶ 4b. Economic impact
- ▶ 5c. Sustainable agriculture

C. Understanding expressions

Choose the best explanation for each phrase from the article.

1. '...a major concern for food security' (paragraph A)
 - a) an important issue for food security
 - b) a main idea about food security
2. '...both a cause and a victim of global warming' (paragraph B)
 - a) can contribute to and be damaged by global warming at the same time
 - b) both a reason and an effect
3. '...agriculture accounts for a large part of the economy' (paragraph C)
 - a) agriculture is as important as economy
 - b) agriculture plays an important role in economy

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1. ‘...a major concern for food security’ (paragraph A)

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a) agriculture is as important as economy

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D. Sentence completion. Using model verbs have to, can or can't.

1. Global warming _____ a significant impact on agriculture.
2. Agricultural practices, _____ the use of fertilizers and the clearing of land for agriculture, are significant sources of greenhouse gas emissions
3. The strategy can be low-carbon agriculture, _____ involves reducing greenhouse gas emissions from agriculture.

1. Global warming is having a significant impact on agriculture.
2. Agricultural practices, such as the use of fertilizers and the clearing of land for agriculture, are significant sources of greenhouse gas emissions
3. The strategy can be low-carbon agriculture, which involves reducing greenhouse gas emissions from agriculture.

D. Discussion

After reading the text, do you like to do research to understand more about the effects of global warming on agriculture?

F. Writing

Do you agree with the author's view that 'the impacts of global warming on agriculture can reduce the ability of farmers to produce food, leading to food shortages and increased prices'? Write a short report making the case for or against this view. Include practical examples to support your point.