



Impact of crises on wheat availability in Syria: What are the effects on food security?



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Table 1. Uncovered shortfall of wheat in Syria from 2013 to 2021

Introduction

- Syria is the sixth most food-insecure country in the world. Bread made from wheat is the daily food on the table of Syrians
- According to FAO, the continued conflict in the main cereal-producing areas, together with poor rainfall decreased the 2016 wheat harvest by 37 percent compared to the relatively good output of 2015.
- Agriculture suffered massively, which also affected the economy directly since the agricultural sector makes up 26% of the gross domestic product

Objectives

 Explore factors caused low wheat production during the conflict period (2013-2021)



Figure 1. location of the study area

Research Materials and Methods:

Research Period: 2013-2021.

Methodology:

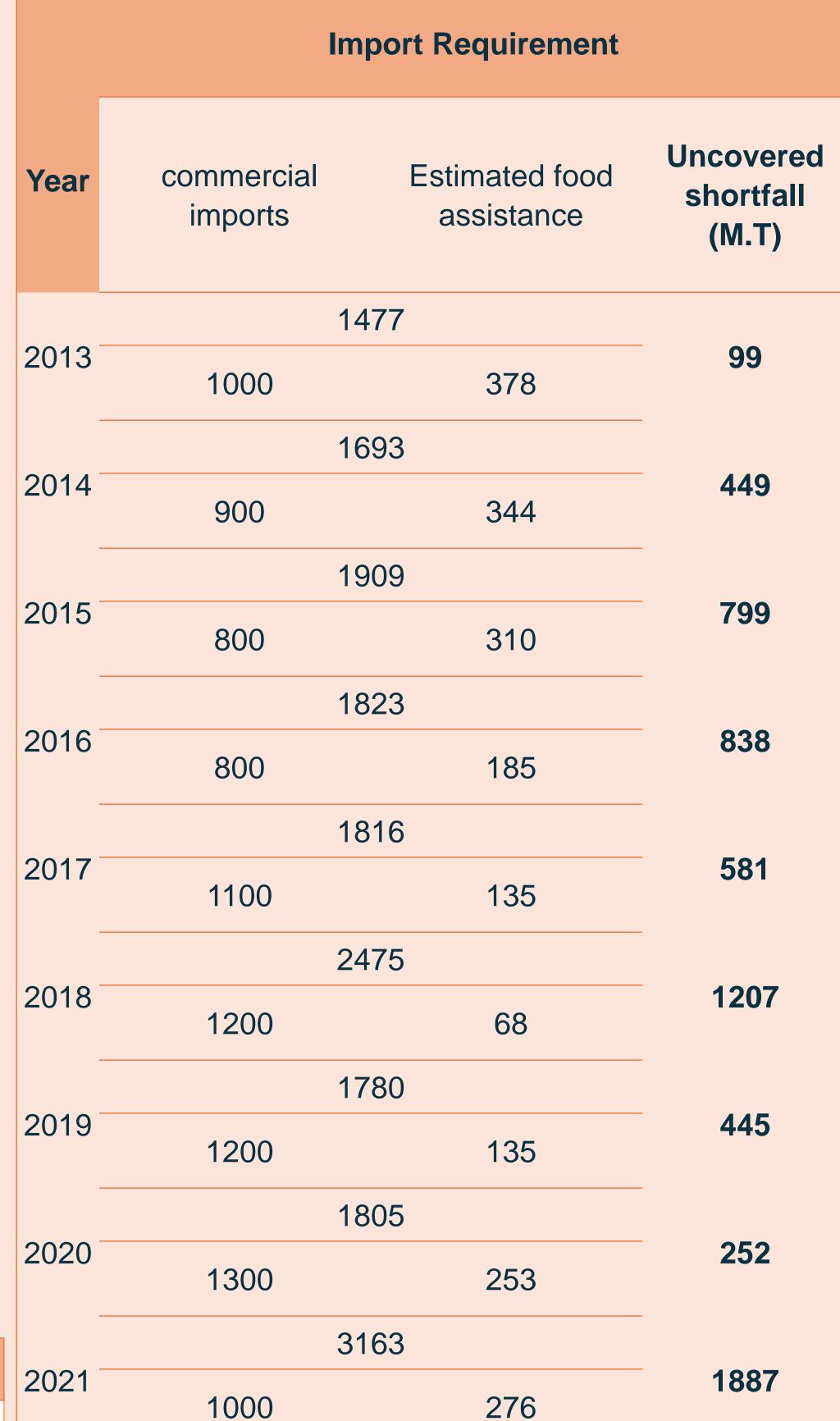
 The narrative review approach summarizes and evaluates articles from certain scholarly periodicals.

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■ The food security indicators include per capita wheat consumption (kg/person/year), food gap, self-sufficiency ratio, and import dependency ratio.

Statistical Indicators Used:

- Per Capita Wheat Consumption for Food (kg/person/year) = Quantity of wheat used for food / Population.
- 2. Food Gap = Total availability Food consumption.
- 3. Self-Sufficiency Ratio = Production / Total utilization × 100.
- 4. Self-Sufficiency Ratio = Production / Total utilization × 100.
- 5. Import Dependency Ratio = Imports / Total utilization × 100.



Import Dependency Ratio

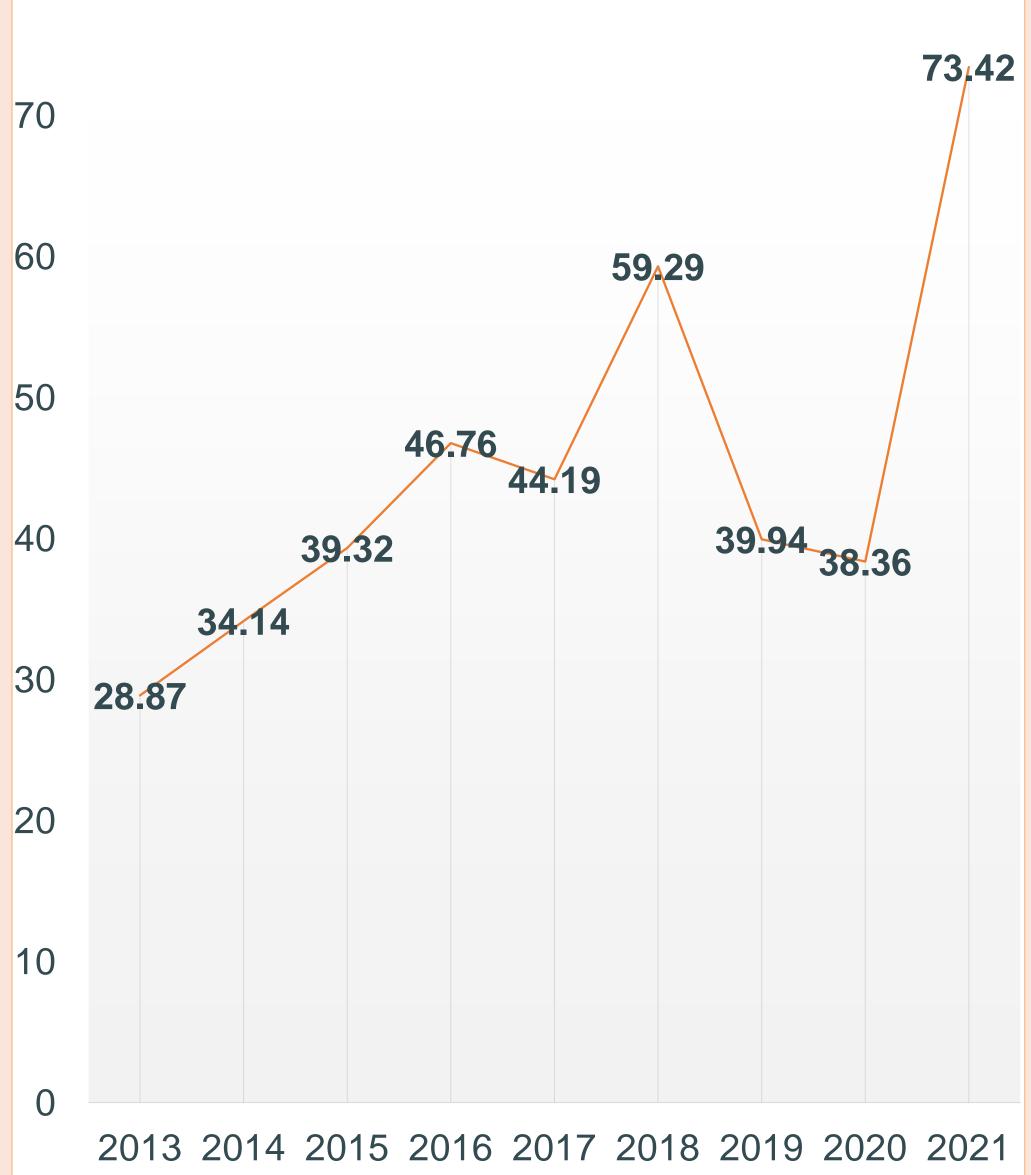


Figure 2. Import Dependency Ratio of wheat in Syria from 2013 to 2021

Results

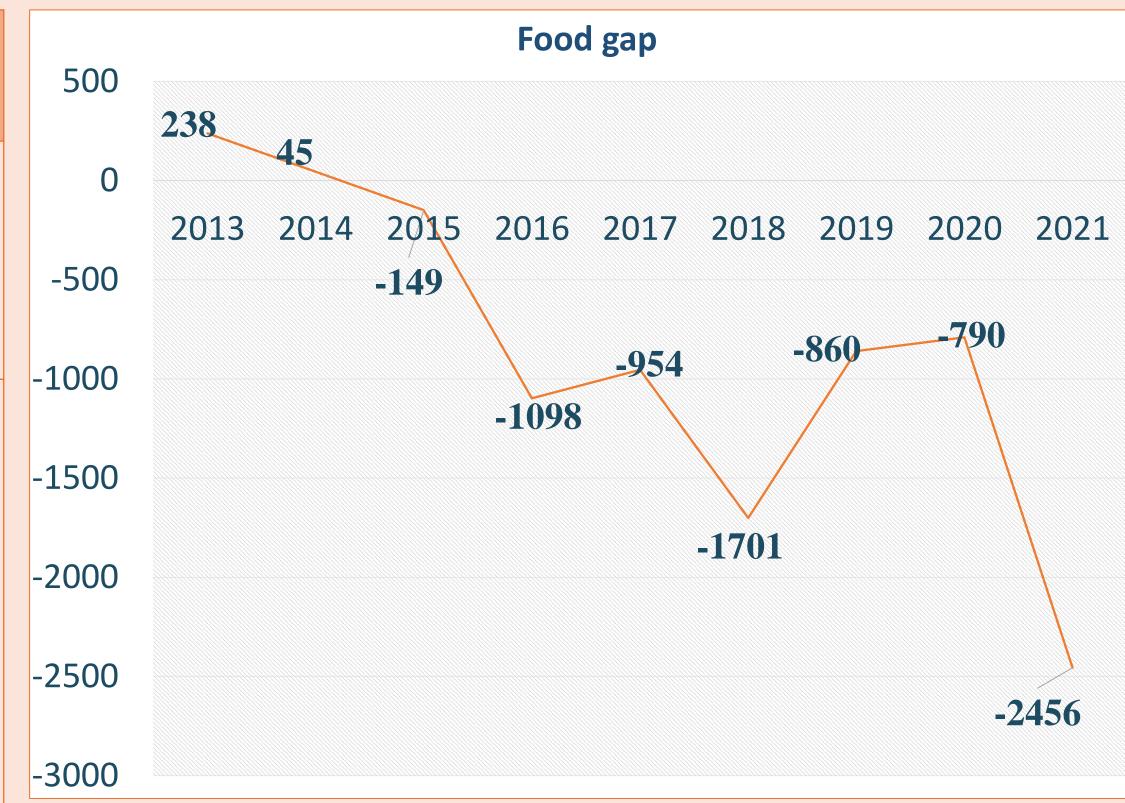


Figure 3. Food gap in Syria from 2013 to 2021



Figure 4. Wheat field in Syria



Figure 5. The staple of the Syrian diet

Conclusions

The Syrian conflict has drastically reduced wheat production, worsening food security. Significant declines in cultivation, yield, and production have increased import dependency and lowered per capita wheat consumption. This study highlights the need for comprehensive strategies to rebuild agricultural resilience and ensure food security in Syria.

Acknowledgment:

The study appreciates the support of the Faculty of Agricultural, Tishreen University, Latakia, Syria and Faculty of Tropical AgriSciences, Czech University of Life Science Prague, for data collection and presenting the study

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