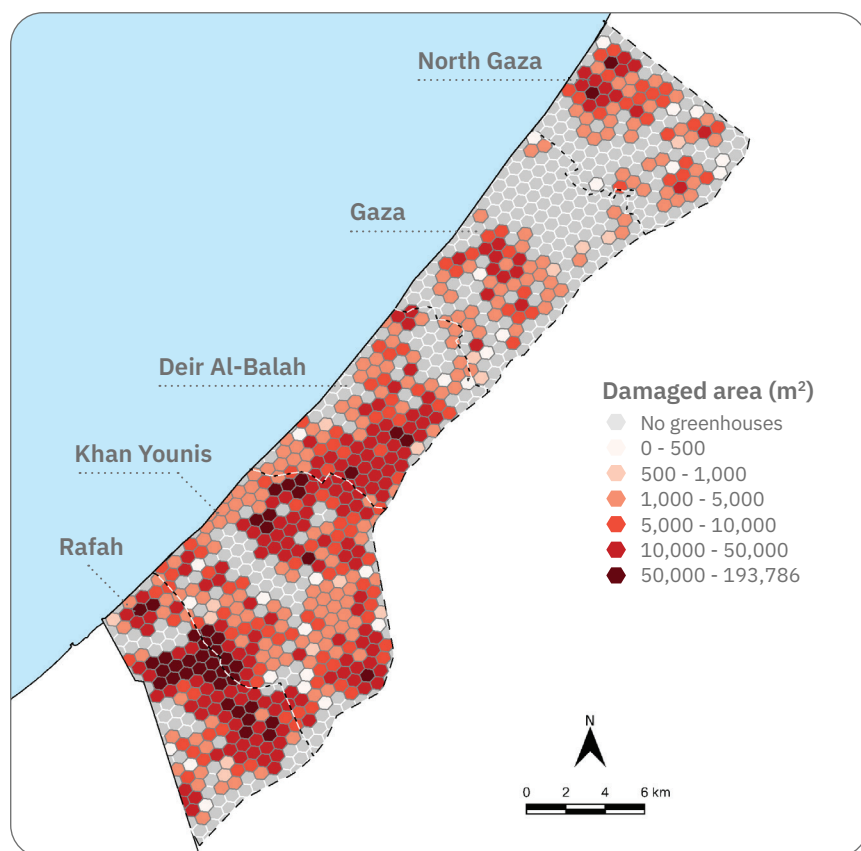


Damage to greenhouses due to the conflict in the Gaza Strip as of 30 April 2025



Damaged area of greenhouses in the Gaza Strip



Greenhouse damage assessment

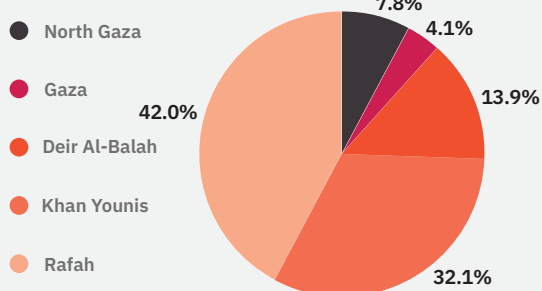
Utilising a baseline greenhouse layer prepared by FAO in 2021 and very high resolution satellite imagery*, UNOSAT updated the baseline for 2023, prior to the recent conflict escalation, and conducted an assessment of the number and area of greenhouses in the Gaza Strip.

WorldView-2 (50 cm) and WorldView-3 (30 cm) imagery from 1 May 2023, 10 May 2023, 18 September 2023 were used for pre-conflict imagery. A thorough evaluation of damage to greenhouses was performed, comparing pre-conflict imagery with very high-resolution WorldView-2 imagery from 18 April 2025 and WorldView-3 imagery from 28 April 2025.

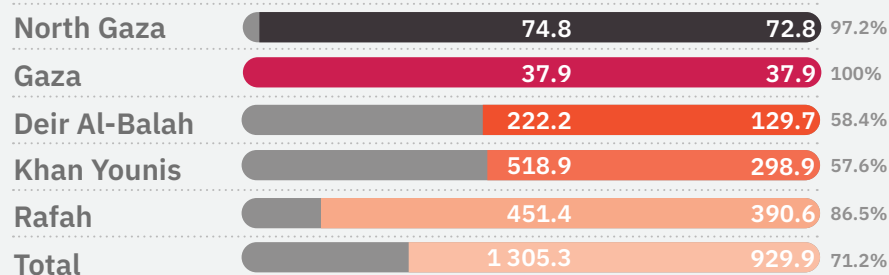
The grid depicts the damaged area of greenhouses in each tile. The graph below shows the proportion of the damage to the total greenhouses area by governorate.



Damage distribution



Damaged greenhouses area (ha**) by governorate percent



Key messages

- As of 30 April 2025, 71.2 percent of Gaza Strip's greenhouses (929.9 ha out of 1 305.3 ha) have been damaged.
- Rafah had the highest area increase in damaged greenhouses by 131.1 ha, with 259.6 ha (57.5 percent) in December 2024 and 390.6 ha (86.5 percent) in April 2025.
- In the Gaza governorate, all greenhouses have been damaged (100 percent). In North Gaza, almost all (97.2 percent) have also been damaged.

* The assessment conducted in Feb 2024 used a baseline prepared in 2021. For this assessment, the baseline was updated for 2023 and therefore the total green house area is slightly different (2.2 percent) and may include nurseries and other types of greenhouses.

** To convert to the locally used unit of dunums, multiply by 10 (1 ha is equal to 10 dunums).

Source: Administrative boundaries from UNMAP 2023.

The boundaries and names shown and the designations used on these map(s) do not imply the expression of any opinion whatsoever on the part of FAO concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers and boundaries. Dashed lines on maps represent approximate border lines for which there may not yet be full agreement. This analysis is based solely on satellite imagery and is not complemented by field validation. This assessment was conducted by the Geospatial Unit at the Land and Water Division (NSL) of FAO and will be further complemented with additional field assessment and use of very high-resolution imagery.