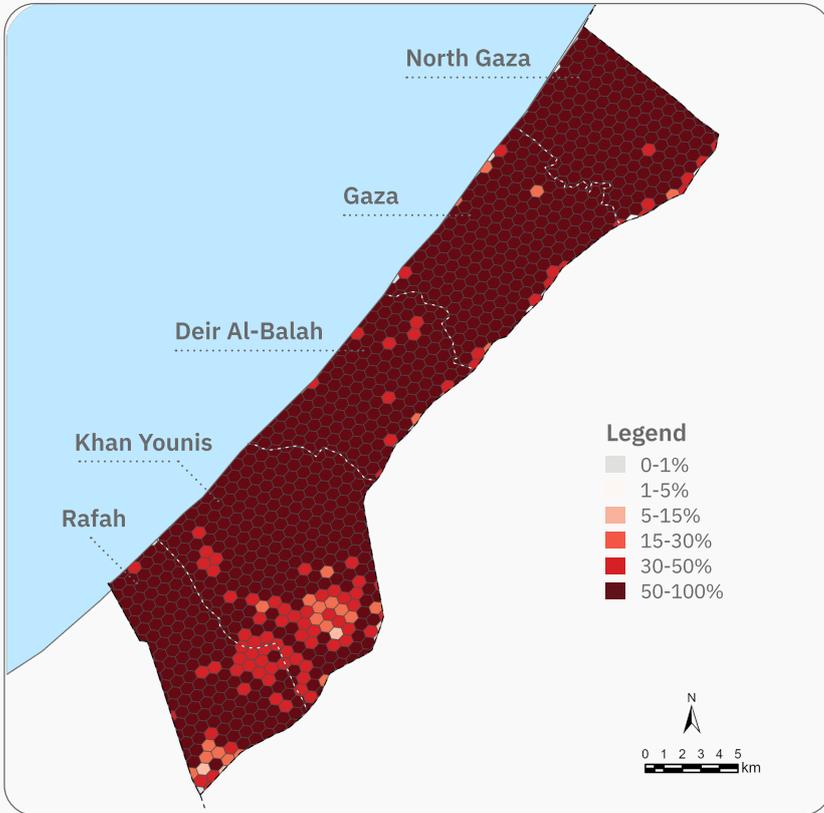


Damage to cropland due to the conflict in the Gaza Strip as of 31st of December 2024

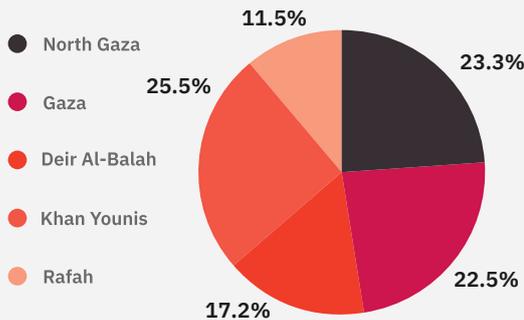
Proportional damage to cropland in the Gaza Strip



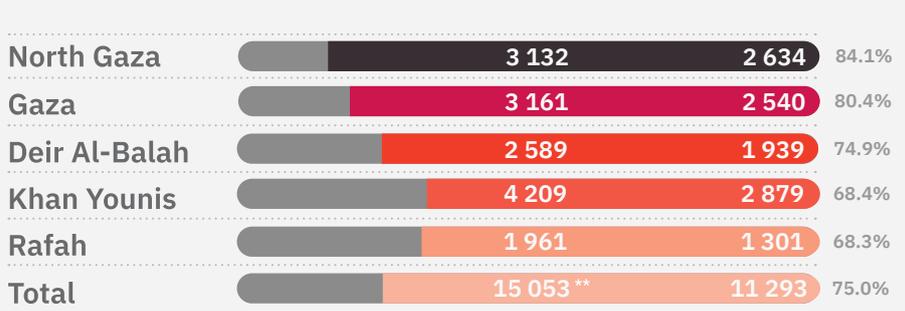
Damage to cropland

A cropland mask was prepared using very high-resolution satellite data from SPOT and Pléiades and high-resolution data from Sentinel-2 to analyse the damage to cropland. Sentinel-2 data from the month of December from 2017 to 2023 was used as a baseline for comparison with December 2024 data to conduct cropland change analysis of the cropland mask area. A reduction in cropland greenness was considered as an abrupt change and an indication of damage. The severity of the impact on cropland was determined by calculating the percentage and hectares of the damaged area by governorate. The grid depicts the severity of damage in localised areas; in each tile the area of damaged cropland was divided by the total cropland area.

Damage distribution



Cropland damage by governorate (ha*)



Key messages

1. As of end of 2024, 75 percent of cropland has been damaged (11 293 ha out of 15 053 ha).
2. The governorate of Khan Younis had the largest area of damaged cropland (2 879 ha).
3. The governorate of North Gaza has the largest proportion of cropland damage at 84.1 percent, affecting 2 634 hectares.

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

** An updated baseline cropland category map for 2023 was used, while preceding assessments were based on a previous land cover map (FAO, 2021).

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. The boundaries and names shown, and the designations used on these map(s) do not express 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.