Damage to cropland due to the conflict in the Gaza Strip as of 1 December 2023

**Damage to cropland**

Sentinel 2 data from November 2022 and September 2023 was used as a baseline for comparison with November 2023 for NDVI-based change assessment.

Significant change in cropland greenness was identified as cropland damage.

A decrease of 0.2 or greater was considered as an abrupt change and a potential indication of affected cropland.

The severity of the impact on cropland was determined by calculating the percentage and hectares of the damaged area by cropland types. 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.

The 2021 land cover map was used as an input to categorize cropland damage (https://www.fao.org/publications/card/en/c/cb7167en).

### Key messages

1. 8.3% (1298.1 ha) of all cropland has been damaged.
2. The governorate of North Gaza had the largest area of damaged cropland in hectares (580 ha; 19% of all cropland).
3. The governorate of North Gaza had the largest proportion of damaged cropland (580 ha; 19% of all cropland).
4. 643 ha (5.5%) of orchards, 428 ha (20%) of irrigated cropland and 227 ha (12%) of rainfed cropland have been damaged.