Damage to cropland due to the conflict in the Gaza Strip as of 31st December 2023

**Damage to cropland**

Sentinel 2 data from November 2022 and September 2023 was used as a baseline for comparison with December 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. 27.5% (4319 ha) of all cropland has been damaged.
2. The governorate of Gaza had the largest area of damaged cropland in hectares (1482 ha; 41.8% of all cropland).
3. The governorate of Gaza had the largest proportion of damaged cropland (1482 ha; 41.8% of all cropland).
4. 3184 ha (27.3%) of orchards, 676 ha (31.4%) of irrigated cropland and 459 ha (24.5%) of rainfed cropland have been damaged.