Overview of the damage to agricultural land and infrastructure due to the conflict in the Gaza Strip as of 31 December 2023

This assessment has been conducted based on available satellite imagery, ancillary data and remote sensing analysis for the period 7 October - 31 December 2023 without field validation. Land cover data from 2021 was used as baseline data due to limited availability for data collection in the area of interest and time constraints related to the nature of the report.

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.

**Agri-infrastructural damage** (number of infrastructures damaged)

- **Wells**: 488
- **Ponds**: 36
- **Ports**: 1
- **Home barns**: 206
- **Agricultural warehouses**: 76
- **Farm storages**: 30
- **Agricultural suppliers**: 5
- **Animal shelters**: 94
- **Rabbit farms**: 9
- **Dairy farms**: 20
- **Broiler farms**: 172
- **Turkey farms**: 5
- **Sheep farms**: 149
- **Cattle farms**: 5
- **Pigeon/other bird farms**: 29

**Proportional damage to cropland in the Gaza Strip**

- **North Gaza**: 3099 ha damaged, 1230 ha total, 39.7% damage
- **Gaza**: 3545 ha damaged, 1482 ha total, 41.8% damage
- **Deir Al-Balah**: 2783 ha damaged, 754 ha total, 27.1% damage
- **Khan Younis**: 4474 ha damaged, 720 ha total, 16.1% damage
- **Rafah**: 1797 ha damaged, 133 ha total, 7.4% damage
- **Total**: 15697 ha damaged, 4319 ha total, 27.5% damage

**Damaged cropland area (ha) by categories**

- **Irrigated land**: 2155 ha damaged, 676 ha total, 31.4% damage
- **Orchards**: 11670 ha damaged, 3184 ha total, 27.3% damage
- **Rainfed land**: 1872 ha damaged, 459 ha total, 24.5% damage
- **Total**: 15697 ha damaged, 4319 ha total, 27.5% damage

**Greenhouses**

- **Total land area**: 1277 ha
- **Damaged**: 262 ha

* each icon represents approx. 106 ha

**20.5% of greenhouses damaged**