





NWS **October 2020** Lattakia Wildfire Analysis

iMMAP Geoinformatics Unit

Total Area Burnt - Lattakia 1 Sept - 14 Oct 2020



*By applying a normalized burn ratio algorithm, burned areas were extracted from Sentinel-2 satellite data for the period between 1 September to 14 October 2020

Lattakia Fires - October 2020

Major fires in the coastal regions of Syria have caused at least three deaths and dozens of injuries, with areas in the Lattakia Governorate districts of Al Fakhoura, Al Qirdaha, Jableh and Lattakia, along with the Tartous Governorate district of Safita, particularly affected. Local authorities report that up to 28,000 houses are directly affected, with a number of victims hospitalized for smoke inhalation. Damage to assets were reported in some areas, while up to 25,000 people are said to have been displaced. A significant number of households are affected by disruptions to critical public services such as health, water and power supply. An estimated total of the potential affected area is 26,265.9 hectares (ha), 4,470 hectares of cropland, including orchards, olive trees, and greenhouses and 17644.9 hectares of forest.

Assessments being conducted to assess the area of activity, led by the Syrian Arab Red Crescent (SARC). All fires have been contained with cooling and surveillance procedures to reduce the risk of re-inflammation in the coming days.

Total Area Burned Per Land Cover Type



- Based on the Copernicus 2019 Global Land Cover database
- Potential cropland affected 4470 ha
- Potential settlements/urban areas affected 1782 ha
- Total area affected by wildfires: 26265 ha

Active Fire Hotspots Per Year*



- * Active fire hotspot detections provide unique insights into a region's fire characteristics. Low resolution satellite sensors, such as the Visible Infrared Imaging Radiometer Suite (VIIRS) onboard Suomi-NPP, detects active fire locations across the globe with every 90-minute earth orbit. Active fires are classified as "fire hotspots" and represent a 375m² area (pixel), indicating a possible heat source. A single fire can consist of many hotspots (375m² pixels) depending on the total size of the fire.
- Significant rise in active fire hotspots (300 1200 fire pixels) between 2019 to 2020.

83.4	
Grassland	