Locust Surveillance Using Geospatial Technology





No. 2021/19 Period: 01-28 Feb.

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A start-up, 'The Bug Picture' is working with communities in Kenya to harvest the locust and mill them, turning them into protein-rich animal feed.

Image courtesy: www.dailysabah.com

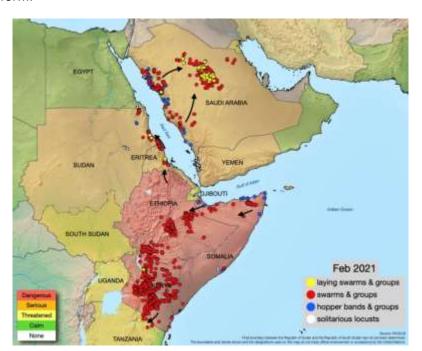
Locust Surveillance Using Geospatial Technology Bulletin is issued by Regional Remote Sensing Centre (West), NRSC/ISRO – Jodhpur. RRSC-W continuously monitors the weather and ecology to provide early warning based on survey and control results from Locust Warning Organisation (LWO), Jodhpur combined with remote sensing inputs.

Please send your feedback to rrsc_w@nrsc.gov.in or ssrao@nrsc.gov.in

Status & Forecast

Status: The swarms that are currently present in northern and central areas are smaller and much less numerous than one year ago. In Ethiopia, immature swarms remain in the south (South Omo, Konso), east of the Rift Valley in the Bale Mountains (Arsi, Borena), and to the northeast in the Harar Highlands (East Harerghe) where swarms were seen arriving from adjacent areas of northwest Somalia in the past few days.

Forecast: Showers that fell during the last week of February may allow swarms to mature rapidly in northern Kenya and southern Ethiopia and lay eggs that could hatch in late March, causing small hopper bands to form.

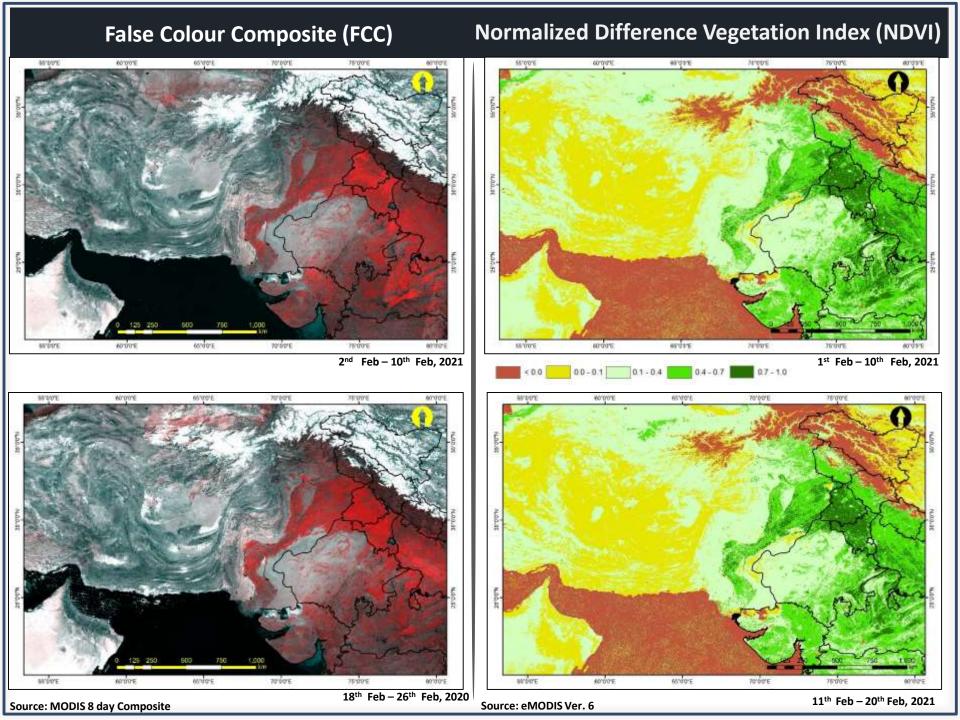


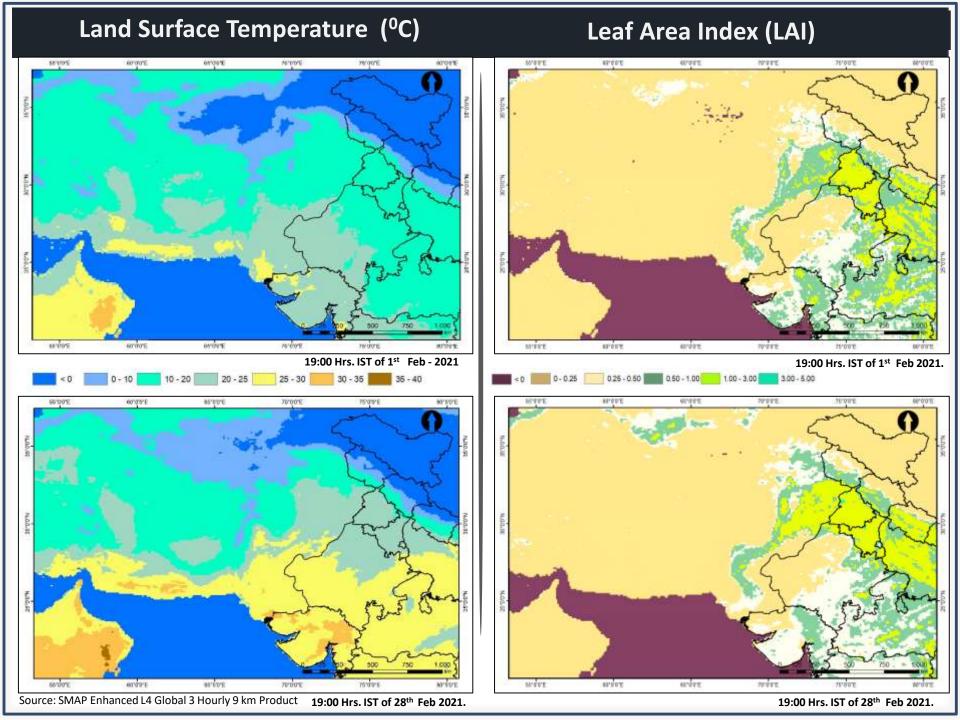
Status & Forecast

During the routine survey, it has been observed that India is free from gregarious as well as solitary desert locust activities during the 2^{nd} fortnight of February, 2020. Total 110 nos. of spots were observed during the surveys which are plotted on the map.

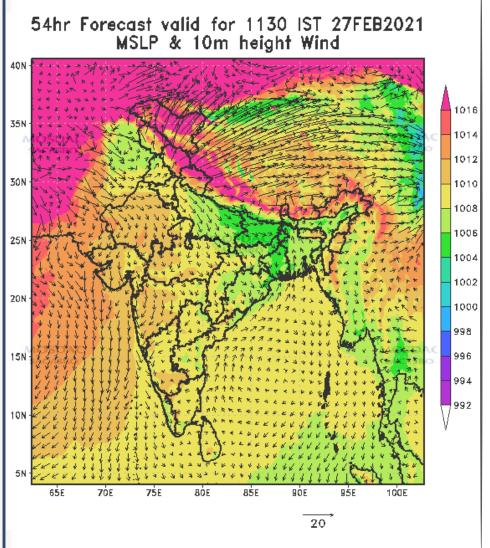


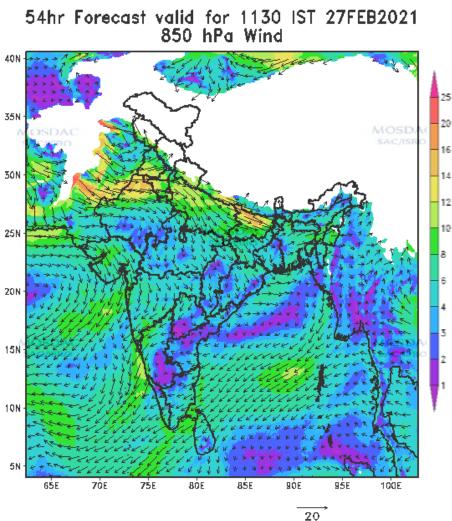
Source: Desert Locust Situation Bulletin 2021/04, LWO, Min. of Agriculture, Farmer's Welfare





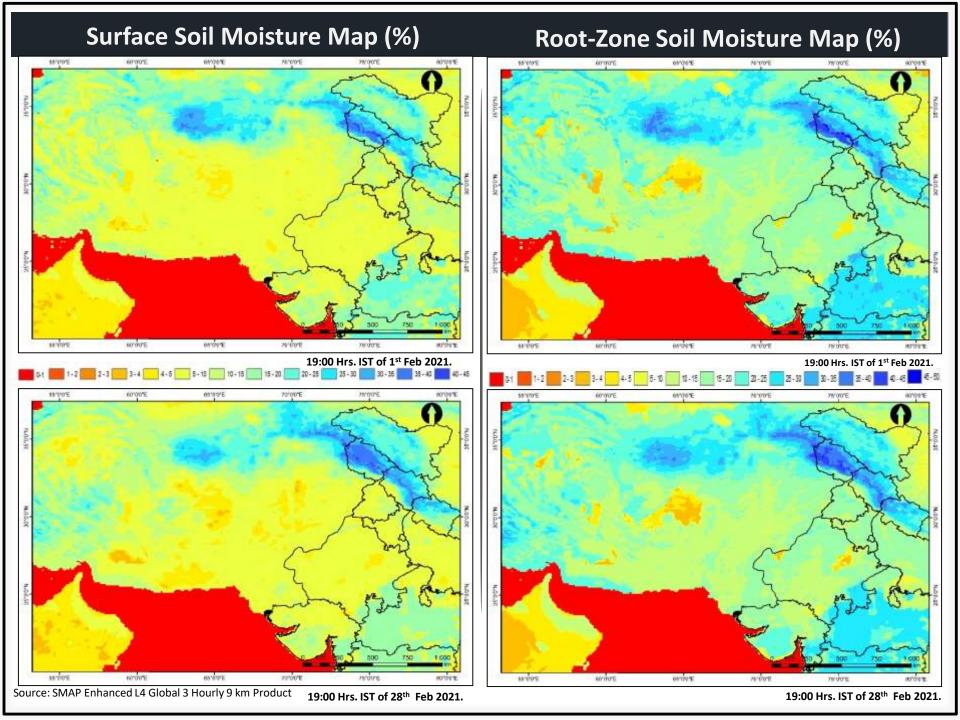
Wind Vectors



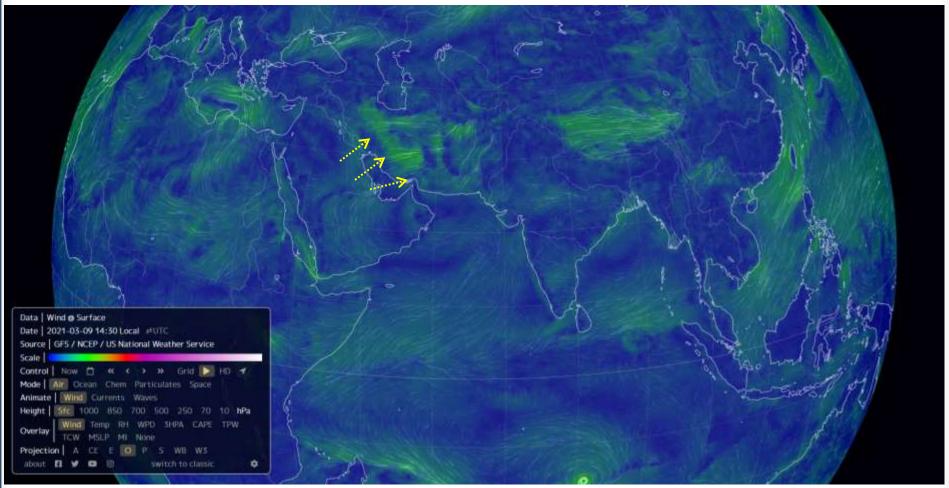


Source: MOSDAC web portal

Wind speed @ 1.46 km from msl.



Wind Speed and Direction Modelled By Global Forecast System



Till 09 March, 2021

Source: earth.nullschool.net