**Locust Situation**: During the 1st fortnight of June, 2019, some small / medium groups / scattered population of desert locust mature adults and 1st to IIIrd instar transient/gregarious groups/scattered hoppers were observed in the Jaisalmer district of Rajasthan. Out of 329 nos. of survey spots, control operations were undertaken at 39 localities and 1707 ha area has been treated. Low no. of solitary / gregarious adults were observed at 36 localities of Jaisalmer & Bikaner districts.

**Disclaimer**: Demarkation of Scheduled Desert Area (SDA) is an indicative, hence can not be used for any legal purpose

**Swarm movement**: Nil

**Breeding**: Transient/Gregarious copulating groups were seen in few places

**Hoppers**: I to III instar transient / gregarious hopper reported in many places

**Scattered / Isolated adult**: Scattered / Groups of desert locust transient/Gregarious mature and solitary low no. adults were observed.
WEATHER AND ECOLOGY: No significant rainfall was observed in the SDA during the period under report. Greenness estimates of 1st decade of June, 2019 indicate few fresh vegetation pockets in the SDA. Survey teams observed green/greening vegetation in many places of Jaisalmer, Barmer, Jalore, Palanpur, Phalodi, Bikaner and Bhuj and dry at Suratgarh, Nagaur, Churu. Soil moisture observed wet in some places of Jaisalmer, Bikaner, Palanpur and Bhuj.

PREPAREDNESS: India is prepared with sufficient trained man-power, vehicles, P.P. equipments, pesticides and eLocust3 units for locust surveys/population monitoring and control operation.

FORECAST: Presently control operations are underway in the Jaisalmer district against the lst to IIrd instar hoppers, hence it is likely that few more hopper groups may be reported near the areas where breeding was seen. If rainfall occurs in SDA, the invasion of adult groups or small swarms from spring breeding areas of Iran/ Pakistan into Indo-Pak border may likely to happen.

LOCUST CONTROL OPERATION: During the lst fortnight of June, 2019, a sum of 1707 ha area was treated against low to medium density of transient/gregarious desert locust adults and low to high density of lst to IIrd instar transient / gregarious hoppers by using Malathion 96%ULV.

Survey teams observed green/greening vegetation in the Jaisalmer, Palanpur and bordering areas of Bikaner.

Vegetation data: 01-15 June, 2019

Soil Moisture: 01-15 June, 2019

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