



E-mail: [locust@nic.in](mailto:locust@nic.in)

भारत सरकार/ Government of India

कृषि, एवं किसान कल्याण मंत्रालय Ministry of Agriculture and Farmers Welfare

कृषि, सहकारिता एवं किसान कल्याण विभाग/ Department of Agriculture Cooperation and Farmers Welfare

वनस्पति संरक्षण, संगरोध एवं संग्रह निदेशालय

**DIRECTORATE OF PLANT PROTECTION, QUARANTINE & STORAGE**

एन.एच. 4, फरीदाबाद(हरियाणा) – 121001/N H-IV, Faridabad (Haryana)-121 001

**पाक्षिक टिड्डी स्थिति बुलेटिन/ Fortnightly Locust Situation Bulletin**

Vol. 69 सं./No. 22

अवधि/Period 16 - 30 November , 2017

**सार/SUMMARY:** India continued to be free from gregarious and solitary desert locust activity during the 2<sup>nd</sup> fortnight of November 2017. As per eLocust3 data total 96 spots were surveyed (shown in map with “N” means survey undertaken and no locust found) in distant, cross country and special border/ coastal area surveys in the Scheduled Desert Areas (SDA) of Rajasthan and Gujarat during the period under report.

**2. मौसम की पारिस्थितिकी/WEATHER AND ECOLOGY:** As per survey data and rainfall estimation map for 3<sup>rd</sup> decade of November 2017, no rainfall was observed at scheduled desert areas of Rajasthan and Gujarat, the vegetation is green in Suratgarh, Barmer, Jalore, Palanpur and rest of the schedule desert areas are dry. As per green vegetation status map for the period from 11/11 to 20/11 (2<sup>nd</sup> decade), the vegetation at southern parts of Barmer and some parts of Nagaur are 3-4 decade old and in rest of the SDA is 6 decades old. As per observation of the surveyors, the soil moisture is dry. Green vegetation status for 2<sup>nd</sup> decade, locust situation of 2<sup>nd</sup> fortnight of November and the survey data of both soil moisture and green vegetation status observed by surveyors during the surveys in 2<sup>nd</sup> fortnight of November 2017 are also shown in the attached maps.

**3. टिड्डी की स्थिति/LOCUST SITUATION:**

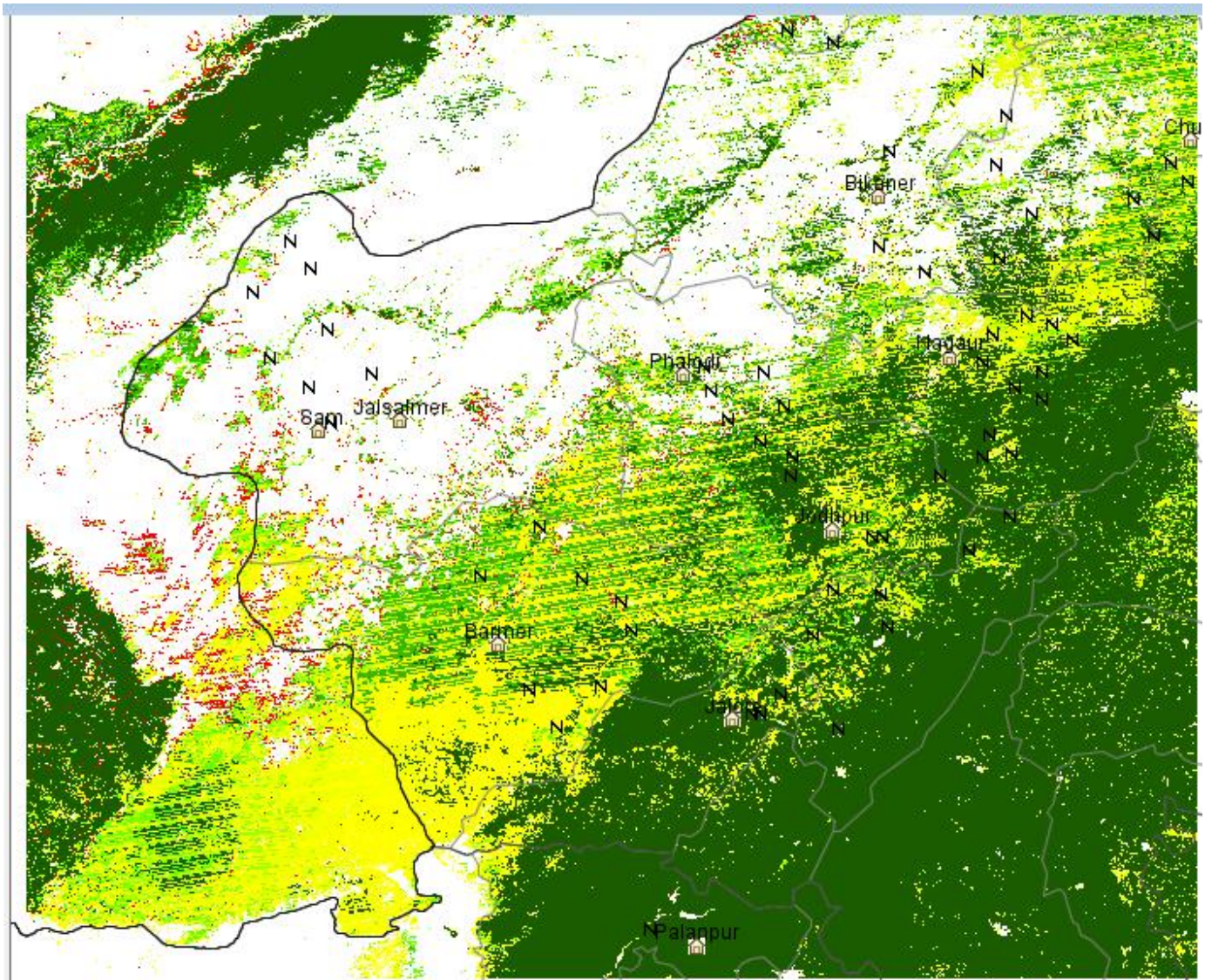
1. Desert Locust (*Schistocerca gregaria*. F)

- |                               |     |
|-------------------------------|-----|
| i) Swarm movement             | Nil |
| ii) Breeding                  | Nil |
| iii) Hoppers                  | Nil |
| iv) Scattered/ Isolated Adult | Nil |

4. **पूर्वानुमान/ FORECAST**: The reduction in availability of green vegetation in remote areas and observance of nil solitary adult locust during this month, and end of summer breeding period (starting of winter season) there is very less possibility of presence of locust population.
5. **तैयारी /PREPAREDNESS**: India is equipped with sufficient working eLocust3 units for locust surveys/population monitoring, trained man-power, operational vehicles, well maintained plant protection equipments and pesticides for control operation in case of any locust incursion/outbreak/upsurge.
6. **संबंध/CONTACTS**: During field survey, the teams interacted with the villagers, farmers, nomads, NGOs and state government functionaries to make them aware about locust prevailing activities and advised to inform the nearest LCO or any other government agencies, if any locust development in their areas is observed.
7. **बैठक/ MEETING**: The 5<sup>th</sup> and last Indo-Pak locust officers' monthly border meeting of 2017 was held on 21<sup>st</sup> November 2017 at Munabao/ Khokhrapar border meeting hall (India side)

**(Dr. K. L. Gurjar)**  
**Deputy Director (PP)**

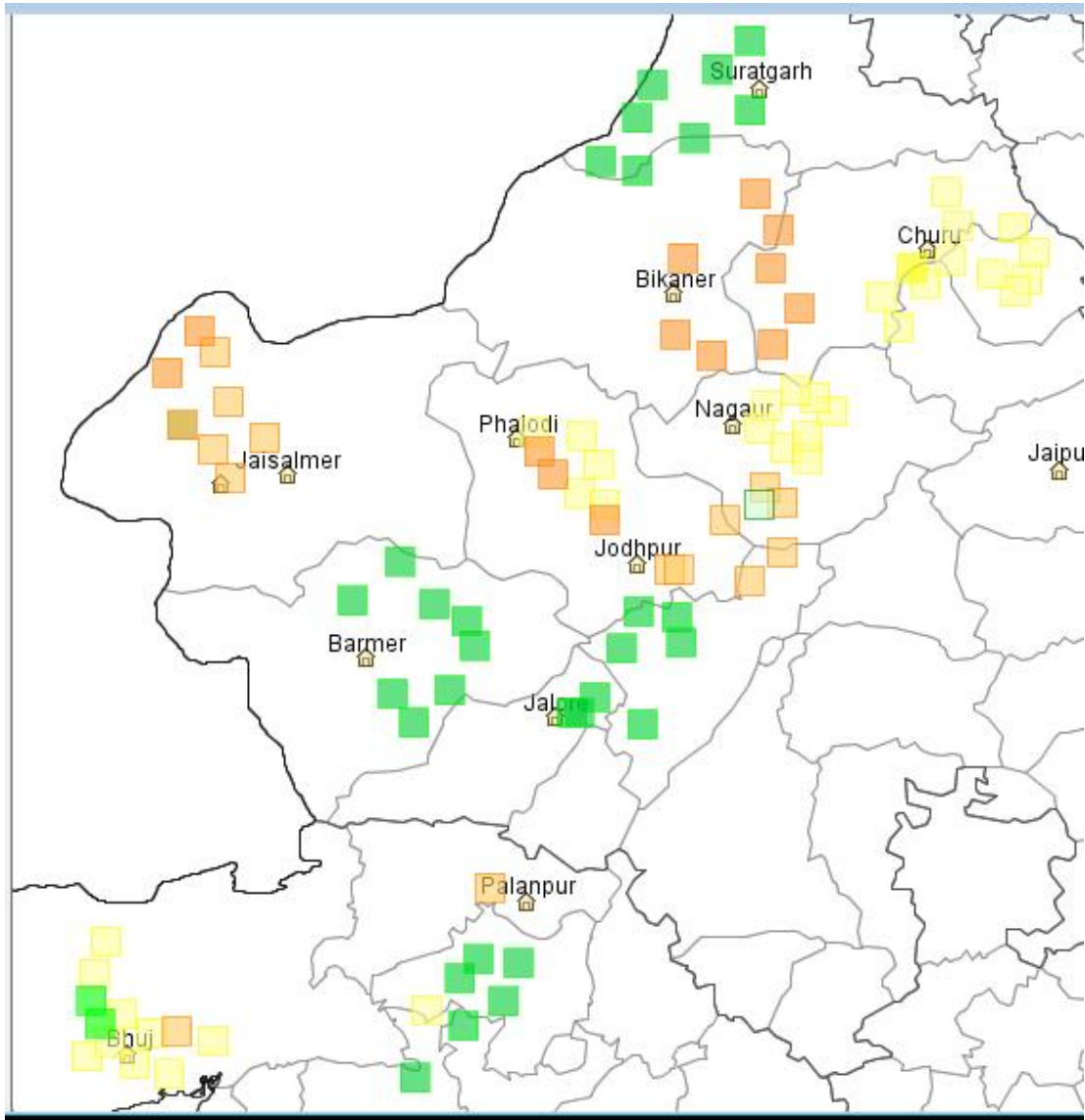
Green vegetatin map for 11<sup>th</sup> to 20<sup>th</sup> November, 2017



Number of decade of vegetations



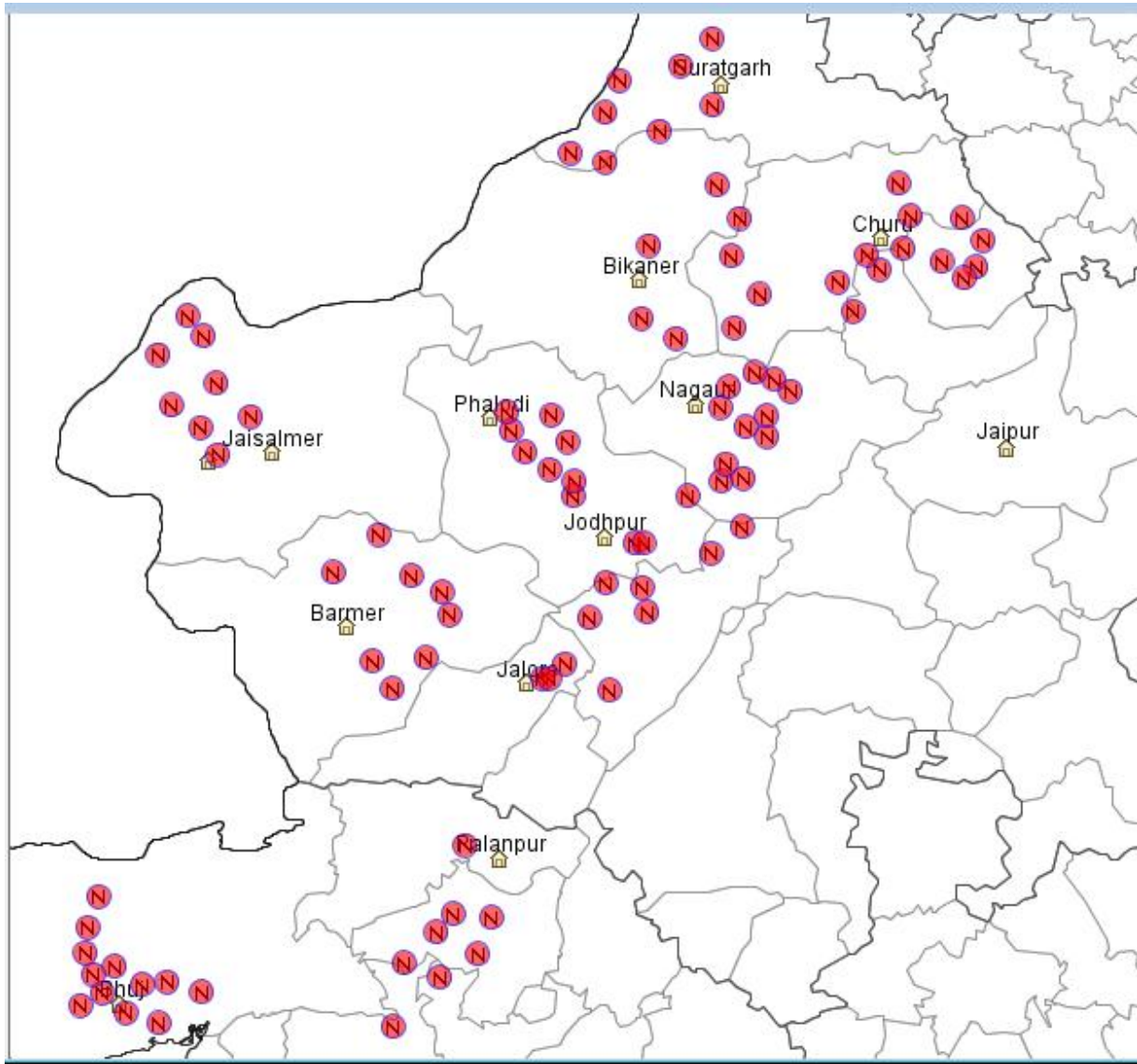
**Green vegetation status map for 16<sup>th</sup> to 30<sup>th</sup> November, 2017**



**Legends**

Light green square	Low-density greening
Medium green square	Medium-density green
Light green square	Low-density green
Dark orange square	Dense drying
Medium orange square	Medium-density drying
Light orange square	Low-density drying
Yellow square	Medium-density dry
Light yellow square	Low-density dry

**Soil moisture map for 16<sup>th</sup> to 30<sup>th</sup> November, 2017**



Legends

<input checked="" type="checkbox"/>	Dry
<input checked="" type="checkbox"/>	Wet

**Map showing Locust survey spots during 2<sup>nd</sup> fortnight of November 2017**

N means survey were undertaken in that area and no locust activity was observed

