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पत्र सं./ F.No.3-1/2017-/टिडडी/Locust

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

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

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अवधि/Period 01-15 Dec., 2017

1. **सार/SUMMARY:** India continued to be free from solitary and gregarious desert locust activity during the 1<sup>st</sup> fortnight of December 2017 during the period under report. As per available record 44 spots were surveyed (shown in map with “N” means survey undertaken and no locust found) in cross country area surveys in the Scheduled Desert Areas (SDA) of Rajasthan and Gujarat during the period under report.

2. **मौसम की पारिस्थितिकी/WEATHER AND ECOLOGY:** On interpretation of rainfall estimation map for 1<sup>st</sup> decade of December 2017, no rainfall was observed at scheduled desert area of Rajasthan and Gujarat. As per survey data, the vegetation is green in Suratgarh, Barmer, Jalore and Palanpur area where as the rest area of schedule desert is dry/drying. As per green vegetation status map for the period from 01 to 10/12 (1<sup>st</sup> decade of December), the vegetation at southern part of Barmer and some part of Nagaur is 4-5 decade old and vegetation in rest area of SDA is old more than 6 decades. As per observation of the surveyors, the soil moisture in all the part of SDA is dry. Green vegetation status for 1<sup>st</sup> decade, locust situation of 1<sup>st</sup> fortnight of December and the survey data of both soil moisture and green vegetation status observed by surveyors during the surveys in 1<sup>st</sup> fortnight of December 2017 are also shown in the attached maps.

3. **टिडडी 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/ drying vegetation in remote areas and observance of nil solitary adult locust during the month, and cold temperature (starting of winter season) there is very less possibility of presence of locust population.

5. **तैयारी /PREPAREDNESS/ MEETINGS:** India has equipped itself with sufficient trained man-power, operational vehicles, well maintained P.P. equipment, pesticides and 32 working eLocust3 units (total 11 activated units) for locust surveys/ population monitoring and control operation in case if there is locust outbreak/ upsurge.

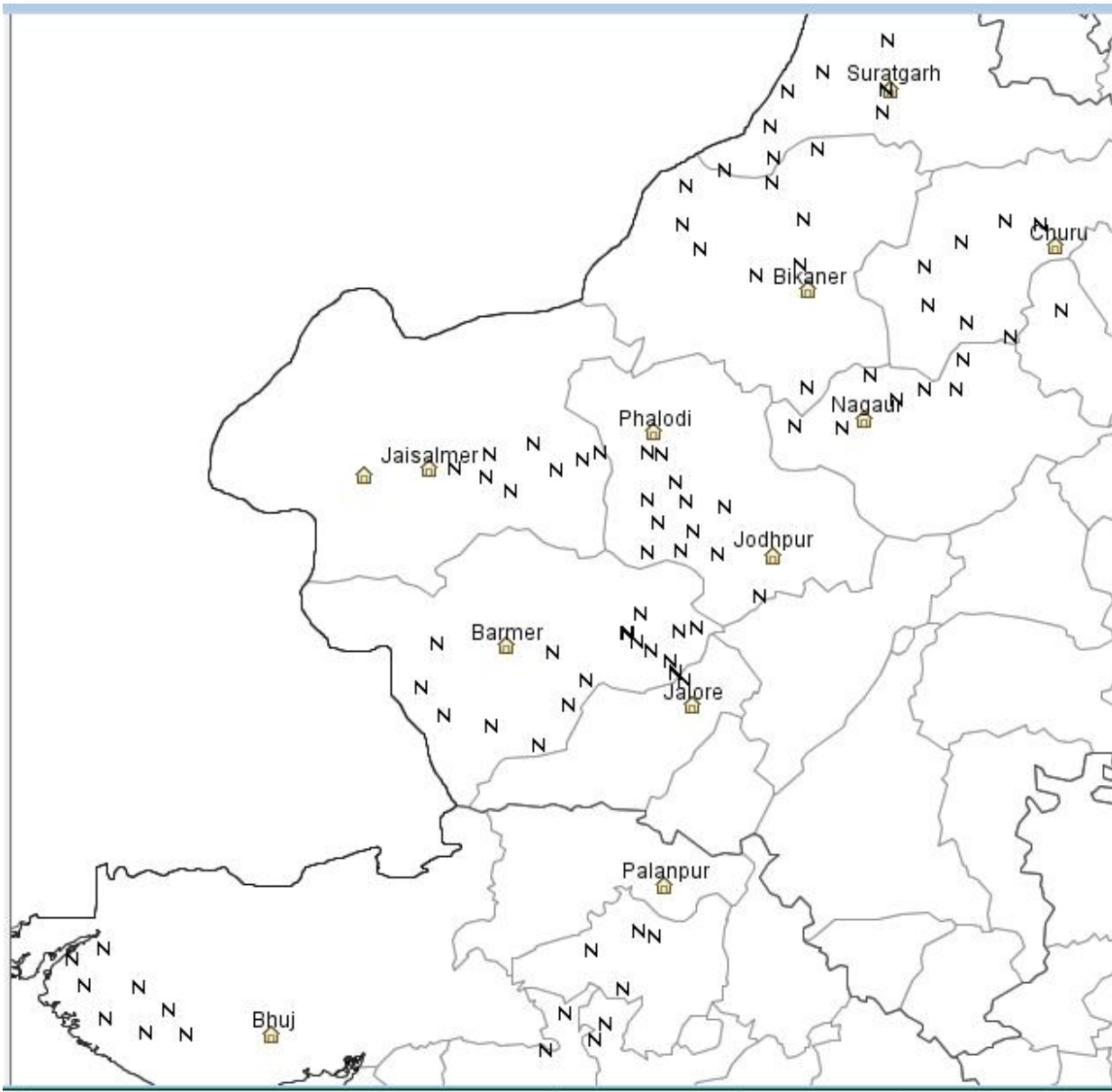
6. **संबंध/CONTACTS:** During field survey, surveyors contacted to the villagers including farmers, nomads, NGOs and state functionaries and made aware of the locust activities prevailing at present and were advised to inform the nearest LCO or any other government agencies if any locust development in their areas is seen.

(Dr. K. L. Gurjar)

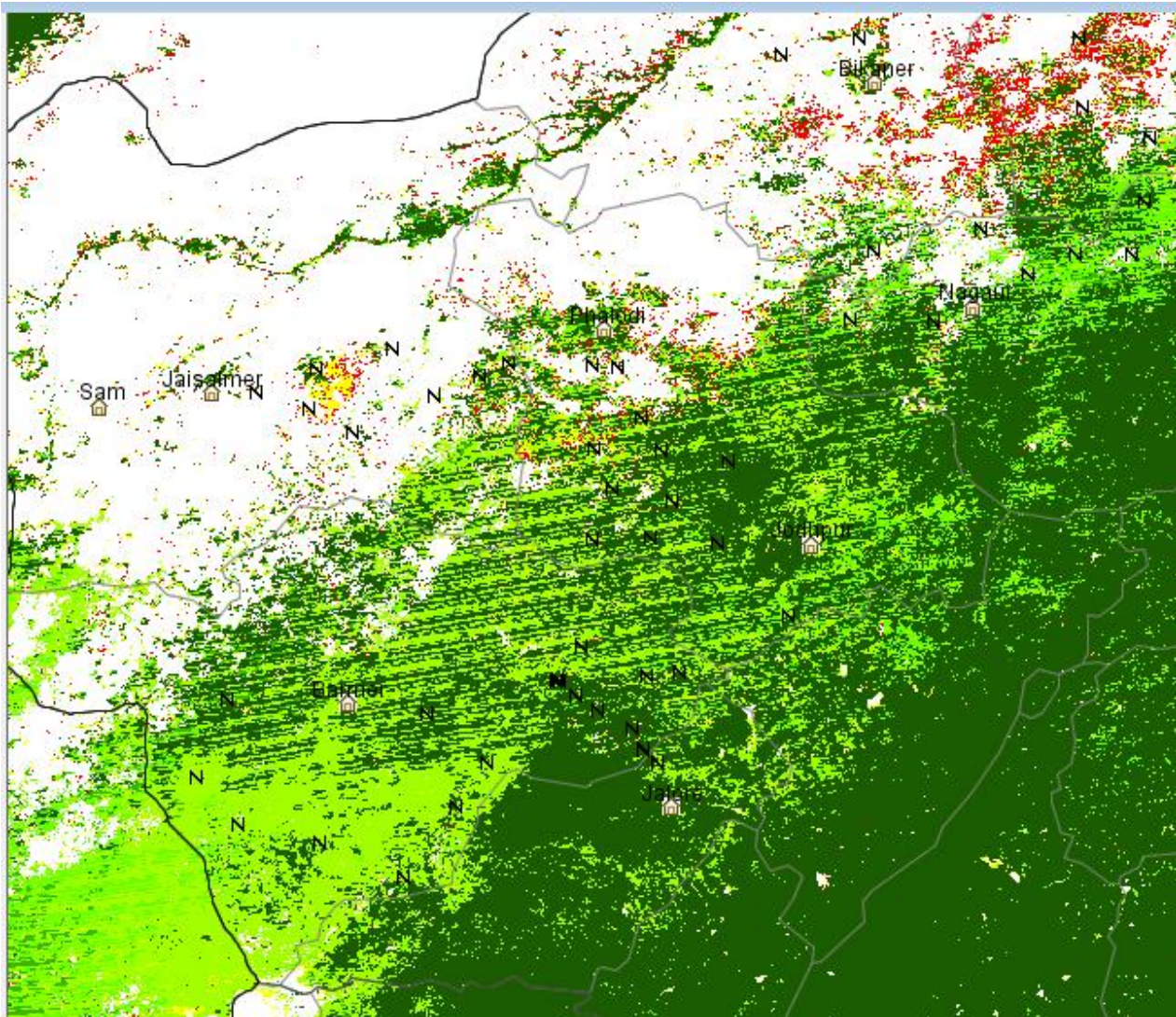
Deputy Director(PP)

## Map showing Locust survey spots during 1<sup>st</sup> fortnight of December 2017

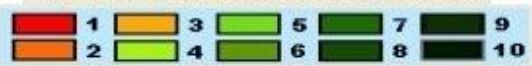
N means the place where Locust survey was undertaken and no locust activity observed.



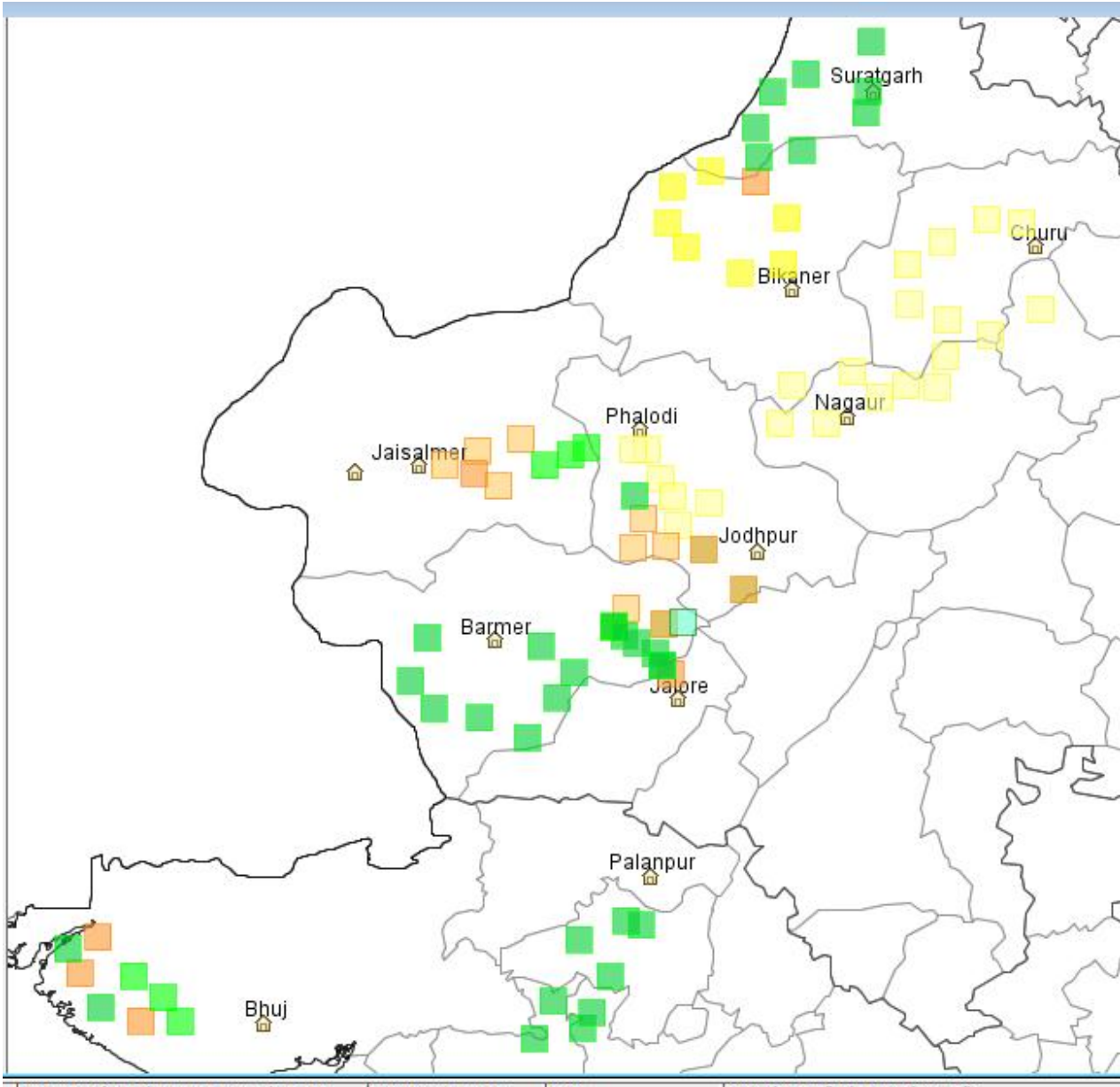
Green vegetatin map for 01/12 to 10/12/ 2017



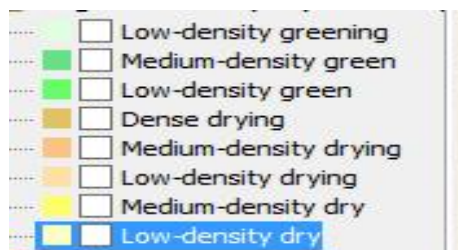
**Number of decade of vegetations**



# Green vegetation status map for 01/12 to 15/12/2017



## Legends



## Soil moisture map for 01/12 to 15/12/2017

