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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 March, 2017

1. **सार/SUMMARY:** India continued to be free from gregarious and solitary desert locust activity during the 1<sup>st</sup> fortnight of March 2017. As per eLocust3 data receives from Novacom through email, total 76 spots achieved out of 88 targeted spots (shown in map with “N” means survey undertaken and no locust found) were covered in cross country surveys in the Scheduled Desert Areas (SDA) of Rajasthan and Gujarat during the period under report.

2. **मौसम की परिस्थितिकी/WEATHER AND ECOLOGY:** As per rainfall estimation map for 1<sup>st</sup> decade of March 2017, no rainfall was observed in Scheduled desert area of Rajasthan. vegetation with low density, green patches found in Phalodi, Nagaur, Bikaner, Jodhpur, southern part of Barmer, Churu and adjoining areas of Indira Gandhi canal in Jaisalmer & Bikaner as per MODIS imagery map. Greenness map also shows new vegetation found at Barmer adjoining to Jaisalmer and Jaisalmer near the Indira Gandhi canal. The map showing locust situation, Greenness and MODIS greenery are enclosed.

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

1. Desert Locust ( <i>Schistocerca gregaria</i> _F)	Nil
i) Swarm movement	Nil
ii) Breeding	Nil
iii) Hoppers	Nil
iv) Scattered/ Isolated Adultmms	Nil

4. **पूर्वानुमान/ FORECAST:** Due to greenness and increasing temperature in scheduled desert area, there may be a possibility of small scale locust activity at Barmer, Jaisalmer, Bikaner and near the Indo-Pak border, but least chance of

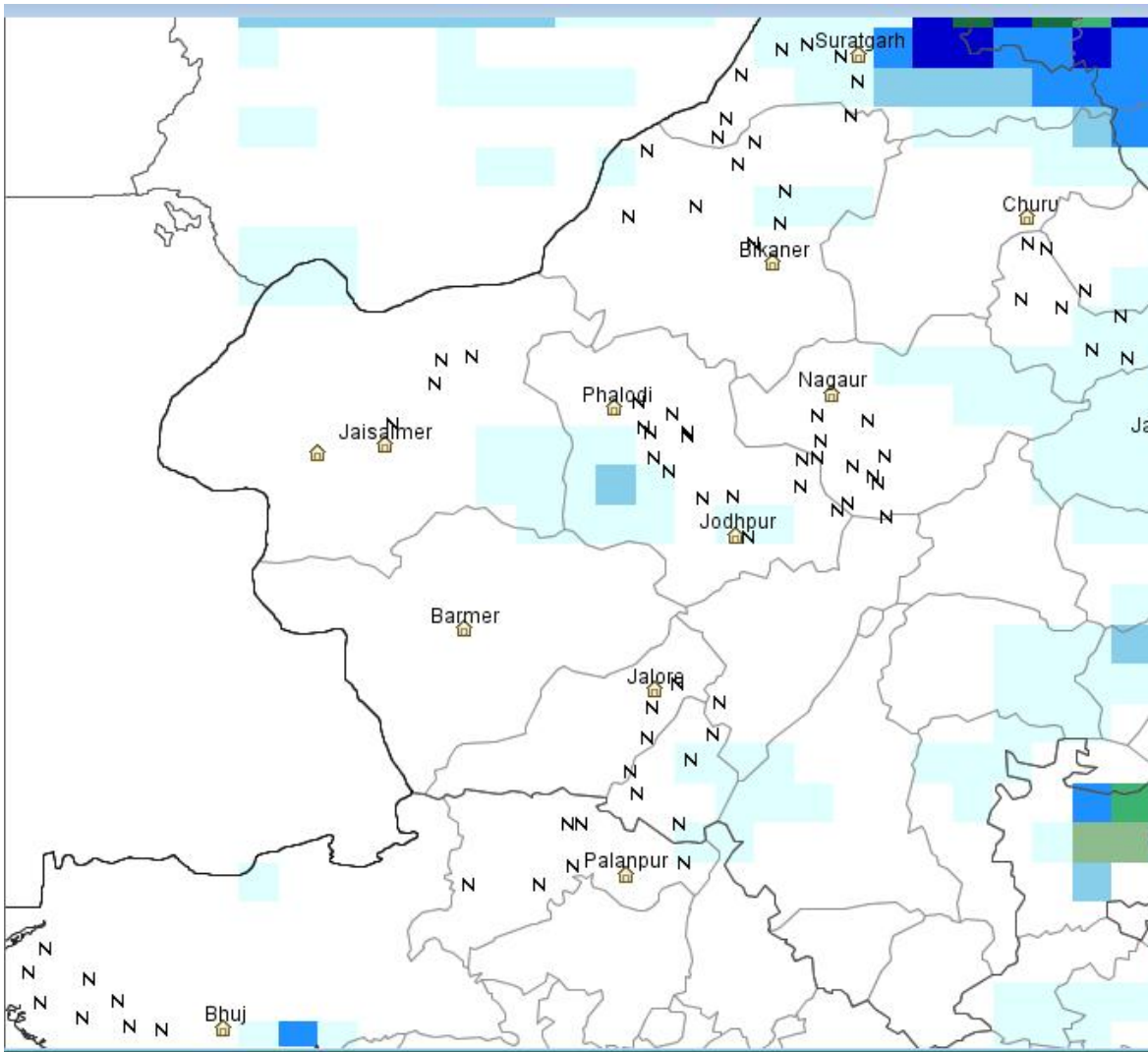
any further increase in locust activity due to end of summer breeding period and small scale locust may also be consumed by available predators.

**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/ upsurge.

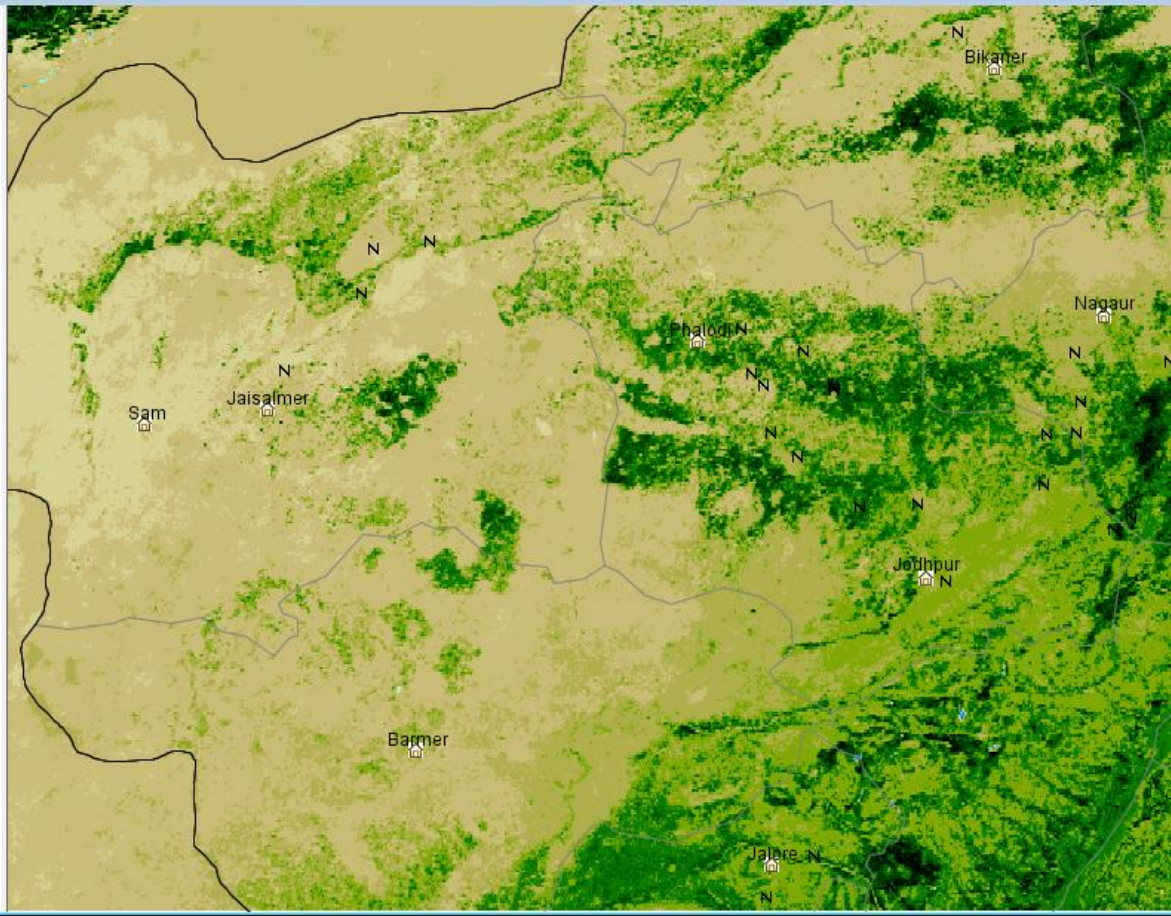
**6. संबंध/CONTACTS:** During field surveys, the teams interacted with the villagers, farmers, nomads, NGOs and state government functionaries to make them aware about locust prevailing activities and advised to inform the nearest LCO or any other government agencies, if any locust development in their areas is observed.

**(Dr. B. S. Phogat)**  
Add. Plant Protection Adviser

Rainfall estimation map for 1<sup>st</sup> decade of March & Locust situation for 1<sup>st</sup> fortnight of March 2017.



MODIS imagery for 18 Feb. To 05 March 2017.



Greenness Map for 1<sup>st</sup> decade of March 2017-03-16

