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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 16-31 July, 2017

1. **सार/SUMMARY:** India continued to be free from gregarious desert locust activity during the 2nd fortnight of July 2017 however solitary isolated mature adults with density 5 locust/hectare was observed in two locality at Jaisalmer and Bikaner district near the Indo-Pak border. As per available record 180 spots were achieved (shown in map with “N” means survey undertaken- no locust found and “L” means solitary locust adult observed) in distant, cross country and special border 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 2nd decade of July 2017, moderate to heavy rainfall was observed in almost all the area of Scheduled desert (SDA) of Rajasthan and Gujarat except the area of Suratgarh where light to moderate rainfall was observed. Heavy rainfall also observed at Indo-Pak border adjoining to Jaisalmer, Barmer. Due to continue rainfall during summer period, the soil of all scheduled desert area except a small part of Suratgarh is wet and this situation has become more favorable for locust breeding in the remote areas. No recent vegetation map was available on website but based on green vegetation status map for 1st decade of July, the vegetation now is 3-4 decade old in all the area of SDA. The area covered with new developed vegetation is favorable for the locust breeding. The maps showing rainfall estimation for 2nd decade of July 2017 with locust situation, the data of soil moisture and green vegetation status observed by surveyors during the surveys in 2nd fortnight of July 2017 shown in the maps.

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

1.	Desert Locust (<i>Schistocerca gregaria</i> _F)	05 locust/ha.
i)	Swarm movement	Nil
ii)	Breeding	Nil
iii)	Hoppers	Nil

4. **पूर्वानुमान/ FORECAST:** Due to heavy to moderate rainfall in SDA during July and presence of newly developed vegetation in remote areas, there may be possibility of presence of locust activity. As per survey results the vegetation is green/ greening and soil moisture is also wet and due to such favorable ecological condition, small-scale breeding is likely to be occurred.

5. **तैयारी /PREPAREDNESS/ MEETINGS:** India has equipped itself with sufficient trained man-power, operational vehicles, well maintained P.P. equipments, pesticides and 33 working eLocust3 units (total 11 activated units) for locust surveys/ population monitoring and control operation in case there is a locust outbreak/ upsurge. Keeping in view of favorable ecological condition special border survey conducted and will be continue for next few months.

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 advised to inform the nearest LCO or any other government agencies if any locust development seen in their areas.

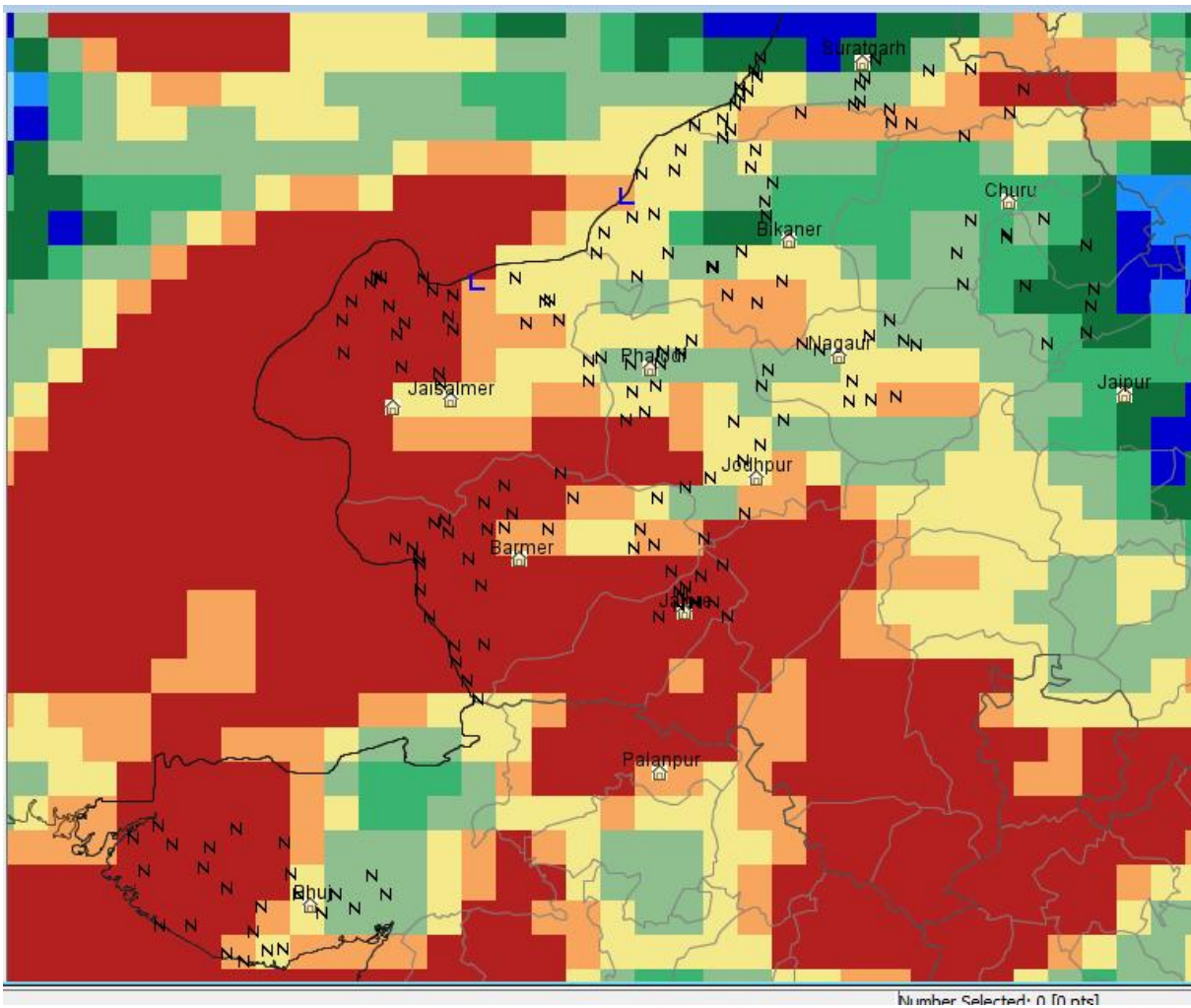
7. **बैठक/MEETING:** Scheduled 1st Indo-Pak locust officers monthly meeting of 2017 could not undertake and second meeting was held on 19th July,2017 at Munabao (India side).The next border meeting is scheduled to be at Khokhrapar (Pakistan side) on 22nd August,2017.

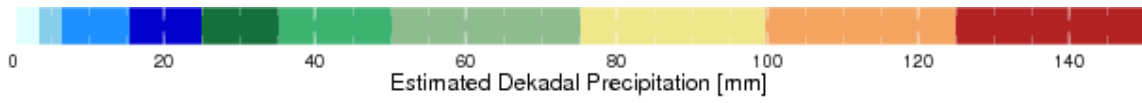
(Dr. B. S. Phogat)

Add. Plant Protection Adviser

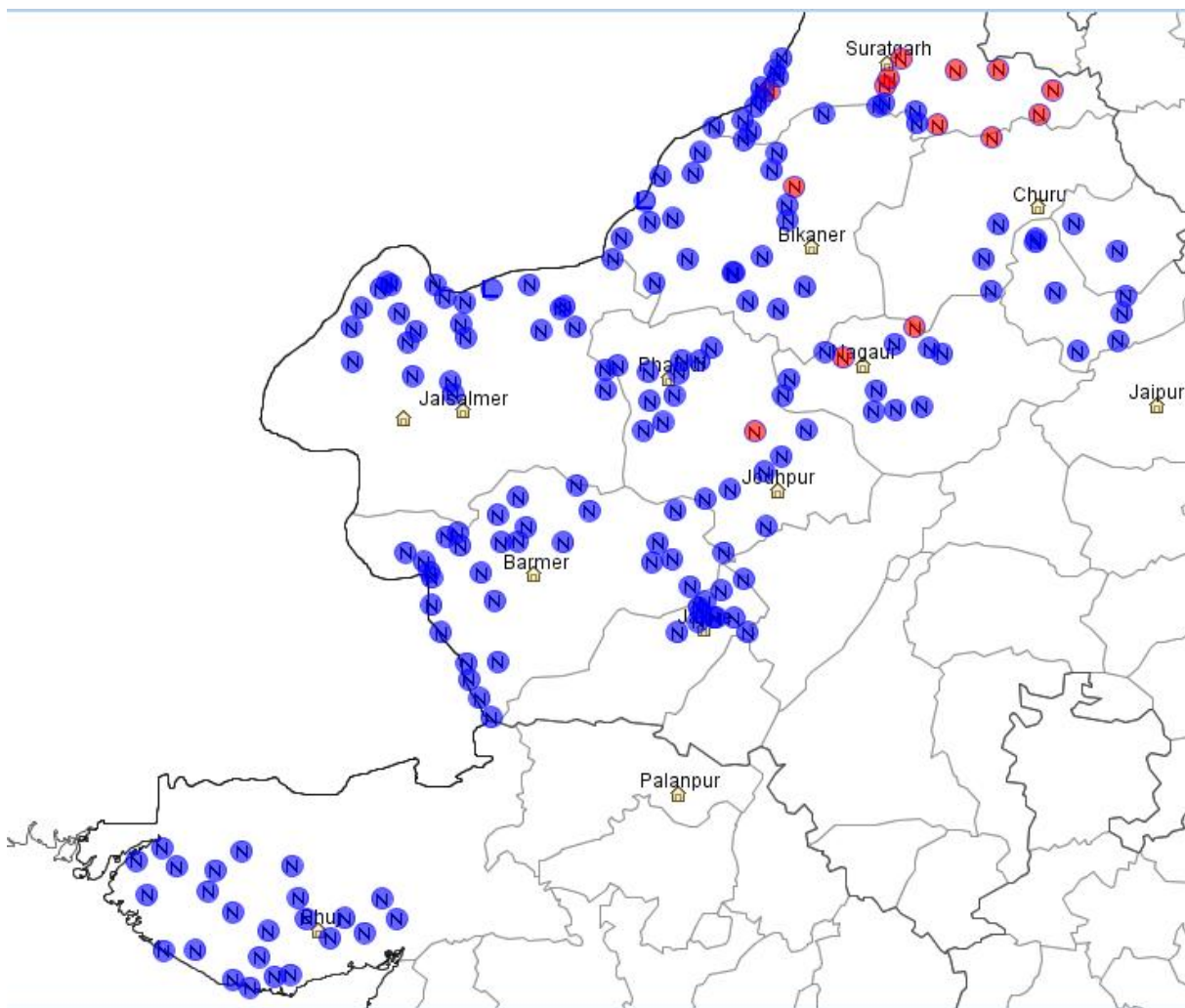
Map showing rainfall estimation for 11-20 July 2017









Good rainfall (Moderate to heavy) observed at almost all the area of Scheduled desert of Rajasthan and Gujarat. The thorow rainfall is also observed in Pakistan adjoining to India Border.





soil moisture during 2nd fortnight of July 2017 recorded by surveyor at the places where surveys were undertaken. The soil is wet in most of places. The soil is dry only at Suratgarh area.



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.....		<input type="checkbox"/>	Low-density green
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