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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 टिड्डी स्थिति बुलेटिन/ Fortnightly Locust Situation Bulletin

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अवधि/Period 16- 31 October , 2017

1. सार/SUMMARY: India continued to be free from gregarious and solitary desert locust activity during the 2nd fortnight of October 2017. As per eLocust3 data total 132 spots were achieved (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: On interpretation of rainfall estimation map for 2nd fortnight of October 2017, no rainfall was observed at scheduled desert area of Rajasthan and Gujarat. As per survey data, the vegetation is almost green in all the area of SDA except few areas of Jaisalmer and Nagaur where it is drying. As per locust survey data vegetation is drying in most of survey areas and some areas near Churu and Bikaner are green. As per green vegetation status map, the vegetation is 5 to 6 decade old. As per observation of the surveyors, the soil moisture in most of area are dry and same is also confirmed with the rainfall estimation map which shows no rain. Presently the whole area of SDA is covered with green/ drying vegetation and it is favourable for the locust breeding but the soil moisture is dried in the remote areas. Green vegetation status for 2nd decade, locust situation of 2nd fortnight of October and the survey data of both soil moisture and green vegetation status observed by surveyors during the surveys in 2nd fortnight of October 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 availability of wide ranging dense green/ drying vegetation in remote areas and observance of solitary isolated mature/ immature adult locust during this month in the Pakistan area near the Indo-Pak border adjoining to Jaisalmer district, and suitable temperature, there is possibility of presence of locust population which may not further develop if no rain occurs in coming fortnight.

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.

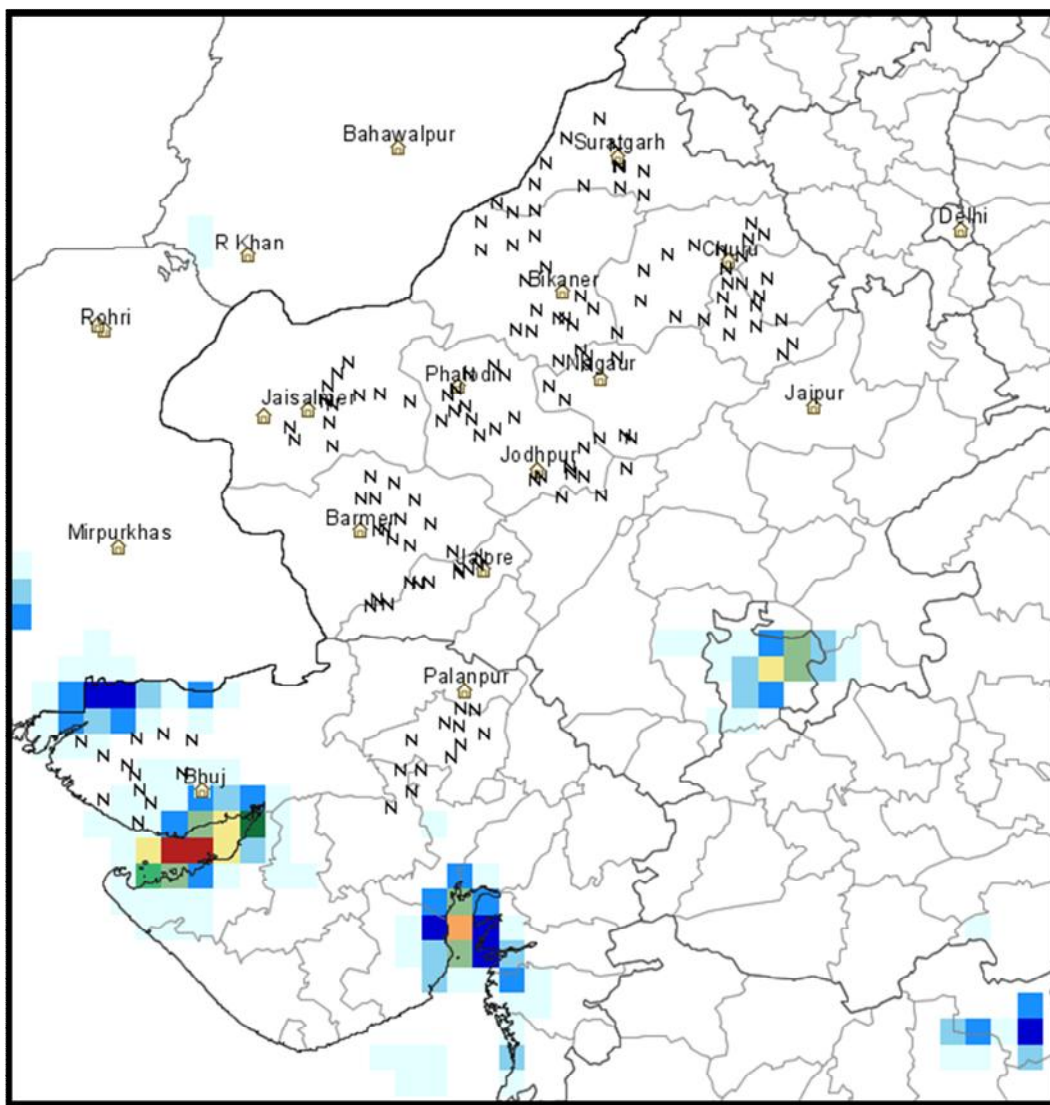
6. संबंध/CONTACTS: During field survey, the teams interacted with the villagers, farmers, nomads, NGOs and state government functionaries to make them aware about locust prevailing activities and advised to inform the nearest LCO or any other government agencies, if any locust development in their areas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

7. बैठक/ MEETING: The 5th and last Indo-Pak locust officers' monthly border meeting of 2017 will be held on 21st November 2017 at Munabao/ Khokhrapar border meeting hall (India side)

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

Map showing Locust situation for 16 -31 October :-

N means survey were undertaken to that area and no locust population was observed

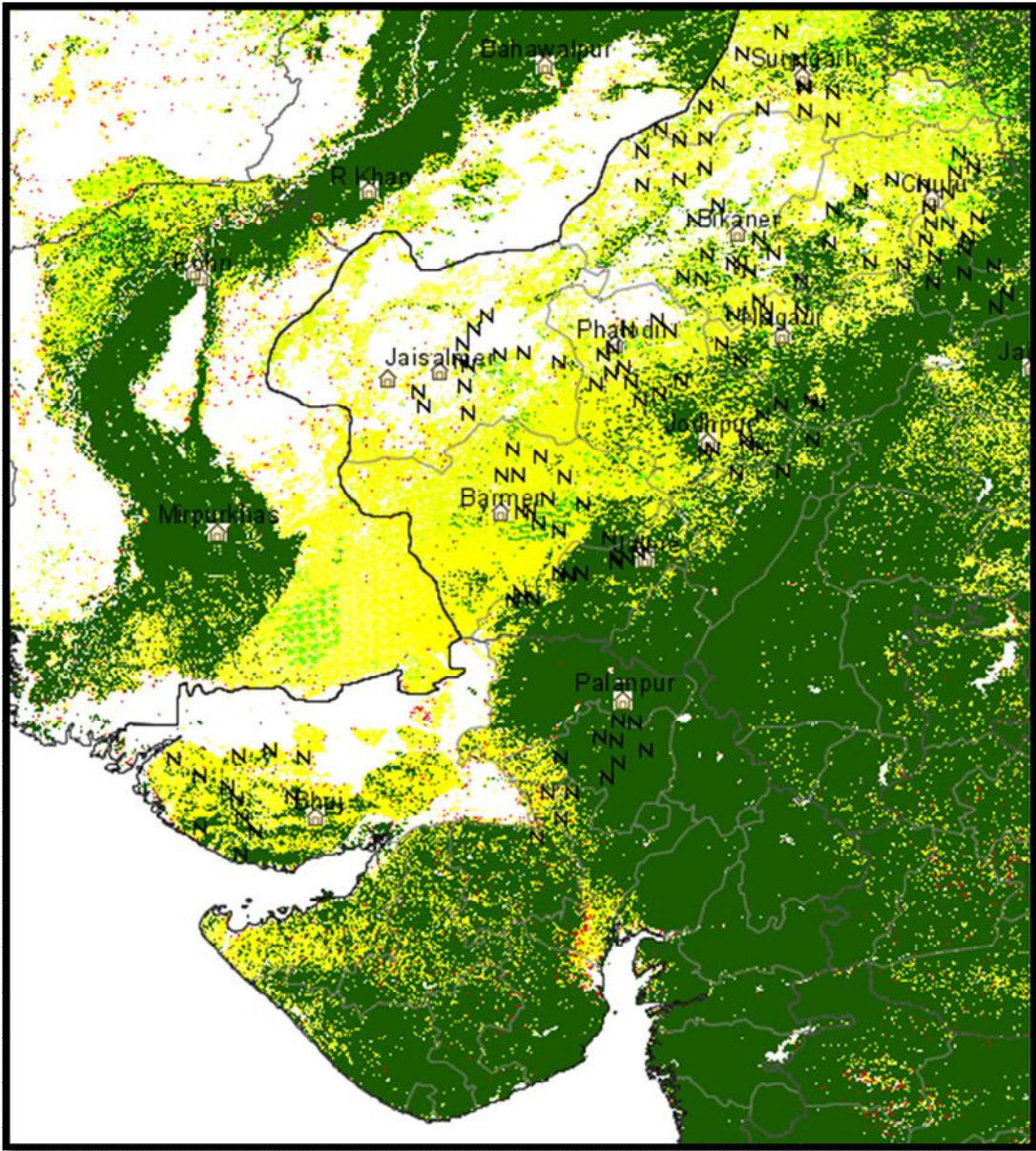


21-31 Oct 2017

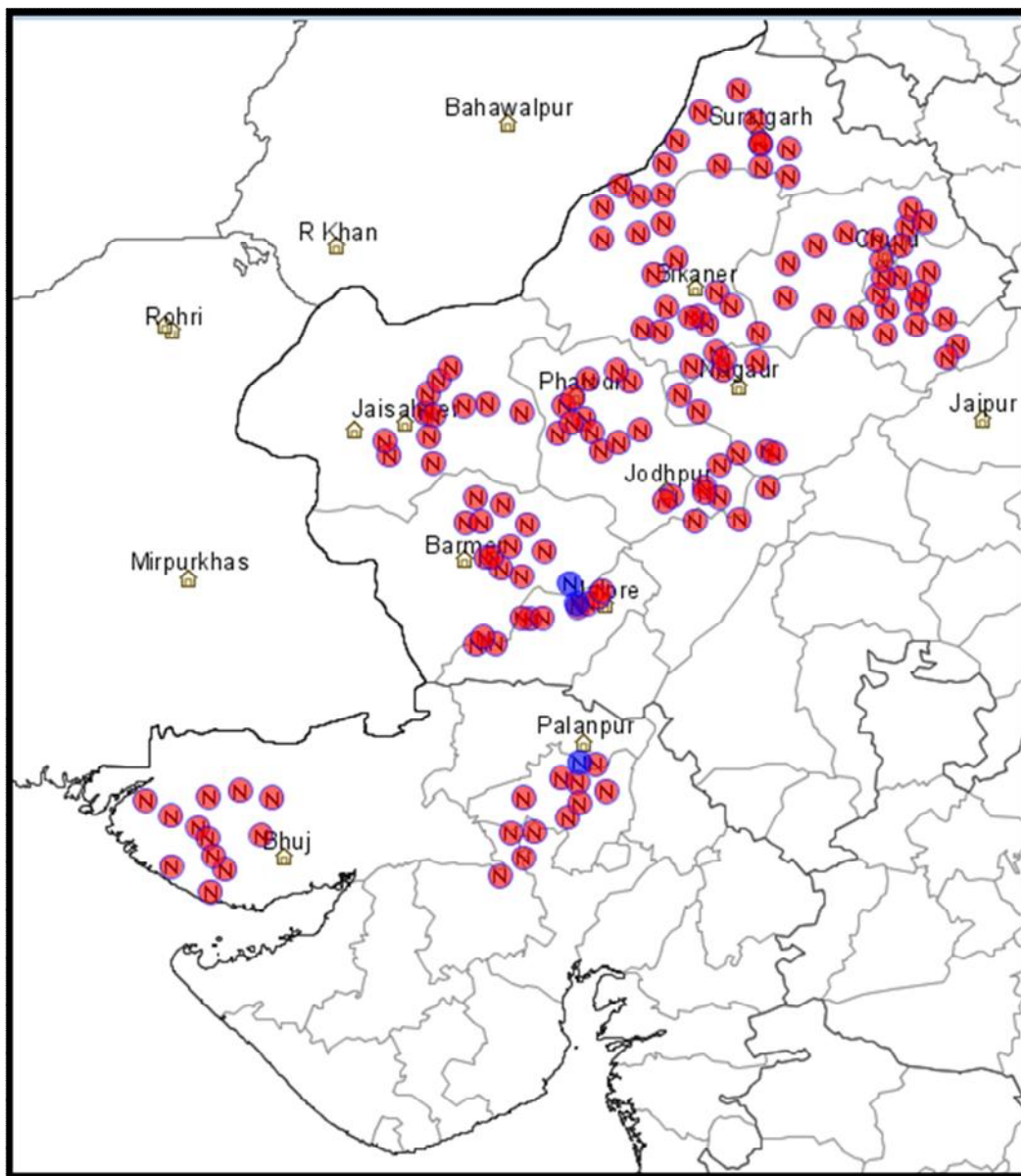


Green vegetation map during 11-20 October 2017

Map is showing the green vegetation of the field. The different color shows the life of the vegetation



Soil moisture during 16-31 October 2017 recorded by surveyor during surveys undertaken.



Legends



Green vegetation observed by the surveyors during the period from 16 to 31 October 2017.

