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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

Vol. 69 सं./No. 19

अवधि/Period 01-15 October , 2017

1. सार/SUMMARY: India continued to be free from gregarious and solitary desert locust activity during the 1st fortnight of October 2017. As per available record 176 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 rainfall estimation map and green vegetation map for 1st decade of October 2017, no rainfall was observed at scheduled desert area of Rajasthan and Gujarat and the vegetation is 3 to 5 decade old. As per survey data, the vegetation is almost green in all the areas of SDA except the area of Jaisalmer and Nagaur and same is confirmed by green vegetation map and the soil moisture in most of areas are dry. Presently majority area of SDA is covered with green vegetation and it is favourable for the locust breeding in the remote areas. Green vegetation status for 1st decade, locust situation of 1st fortnight of October and the survey data of both soil moisture and green vegetation status observed by surveyors during the surveys in 1st fortnight of October 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 Adults | Nil |

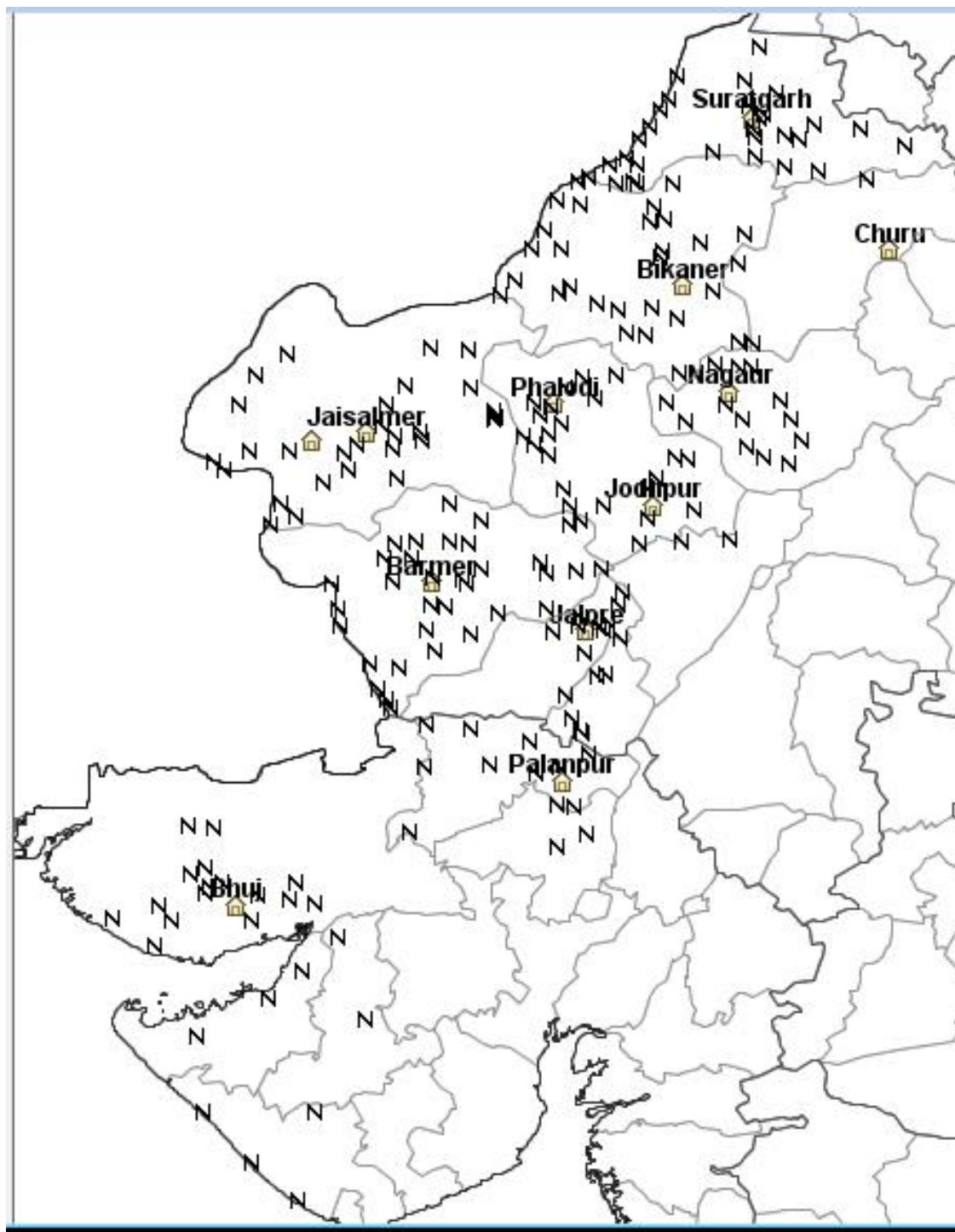
4. **पूरुवनुडन/ FORECAST:** The presence of wide ranging dense green vegetation in remote areas and observance of solitary isolated mature/ immature adult locust during previous month in the Pakistan area near the Indo-Pak border adjoining to Jaisalmer district, small scale breeding may likely to be occurred in coming fortnight/ month
5. **तैडरुी /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. **सुडंध/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. **डैठक/ MEETING:** - The 4th Indo-Pak locust officers monthly border meeting will be held on 24th October, 2017 at Munabao/ Khokhrapar border meeting hall (Pakistan side).

(Dr. K. L. Gurjar)

Deputy Director (PP)

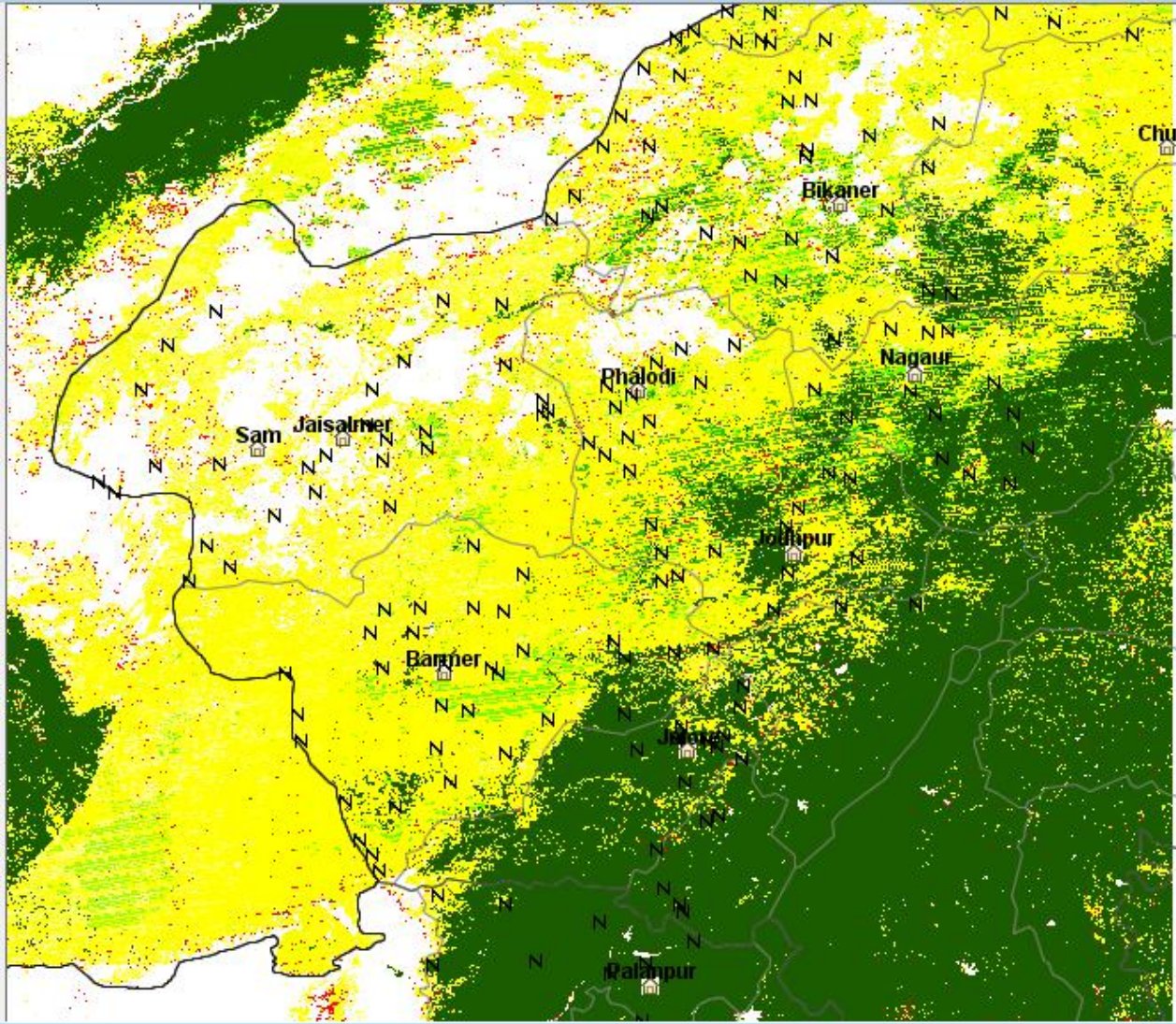
Map showing Locust situation for 01-15 October :-

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



Green vegetation map during 01-10 October 2017

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

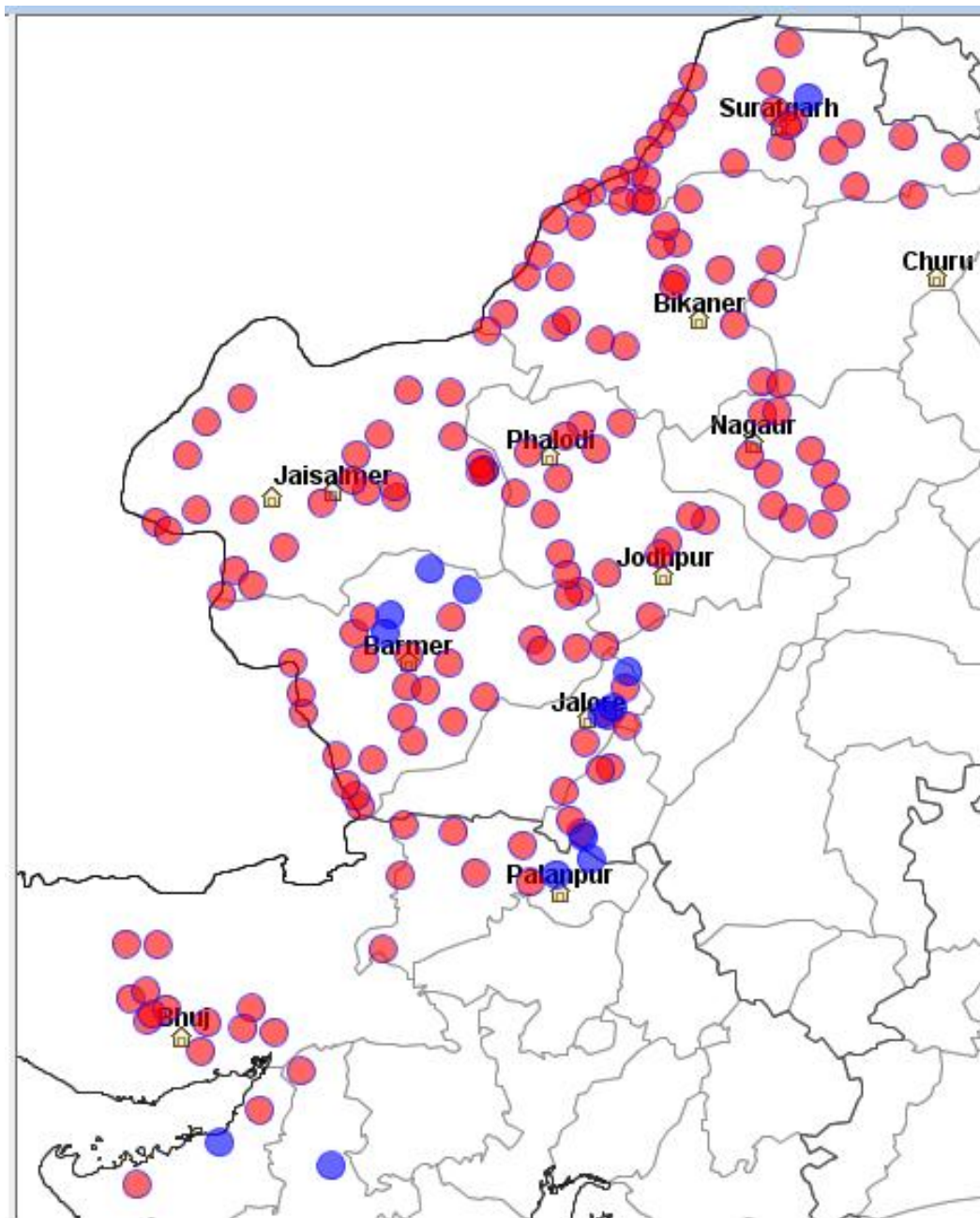


Number of decade of vegetations



Soil moisture during 01-15 October 2017 recorded by surveyor during surveys undertaken.

The soil in most area of SDA is dry due to no rainfall during September and October 2017



Legends
Dry
Wet

Green vegetation observed by the surveyors during conducting locust surveys in the 1st fortnight of October 2017.

Almost all the area of SDA is green. The area of Jaisalmer, Phalodi and Nagaur is drying.

