



टेलीफोन/: 0129-2411112

Fax 0129- 2412125

इमेल: locust@nic.in

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

DIRECTORATE OF PLANT PROTECTION, QUARANTINE & STORAGE

एन.एच. 4, फरीदाबाद(हरियाणा) – 121001/N H-IV, Faridabad (Haryana)-121 001

पाक्षिक टिडडी स्थिति बुलेटिन/ Fortnightly Locust Situation Bulletin

Vol. 69 सं./No. 10

अवधि/Period 16-30 June, 2017

1. **सार/SUMMARY:** India continued to be free from gregarious and solitary desert locust activity during the 2nd fortnight of June 2017. As per available record 132 spots were achieved from the targeted 132 spots (shown in map with “N” means survey undertaken and no locust found) were covered in distant and cross-country 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 and 3rd decade of June 2017, moderate rainfall observed in almost all the area of Scheduled Desert Area (SDA) of Rajasthan and Gujarat. Heavy rainfall observed at Nagaur, Jodhpur, Jaisalmer, Bhuj and Bikaner. The rainfall during Pre-Monsoon and during Monsoon is favorable for Locust breeding in the remote areas. On interpretation of green vegetation status map for 2nd decade of June, newly developed scattered vegetation was observed at some part of Nagaur, Bikaner, Phalodi, Jodhpur, southern part of Churu and Barmer district. The new developed vegetation also favourable for the locust breeding. The maps showing green vegetation for 2nd decade of June, rainfall estimation for 2nd and 3rd decade of June 2017 with locust situation and data of soil moisture and green vegetation status observed by surveyors during the surveys also shown in the maps.

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 Adults	Nil

4. **पूर्वानुमान/ FORECAST:** Due to moderate rainfall in 2nd and 3rd decade of May 2017 in SDA and again rainfall during Pre-Monsoon (2nd & 3rd decade of June 2017) and presence of scattered newly developed vegetation in remote areas, there is possibility of presence of locust activity. Small scale breeding is likely to be occurring because of good rainfall during Pre-Monsoon and coming rains in Monsoon expected to arrive in 1st week of July onward (as per metrological department data).

5. **तैयारी /PREPAREDNESS:** 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. Under the Chairmanship of Dr. B.S.Phogat, Additional Plant Protection Adviser, two days National Training Workshop on Desert Locust organized at LWO Jodhpur on 29-30/06/2017 and total 24 participants have trained in this workshop.

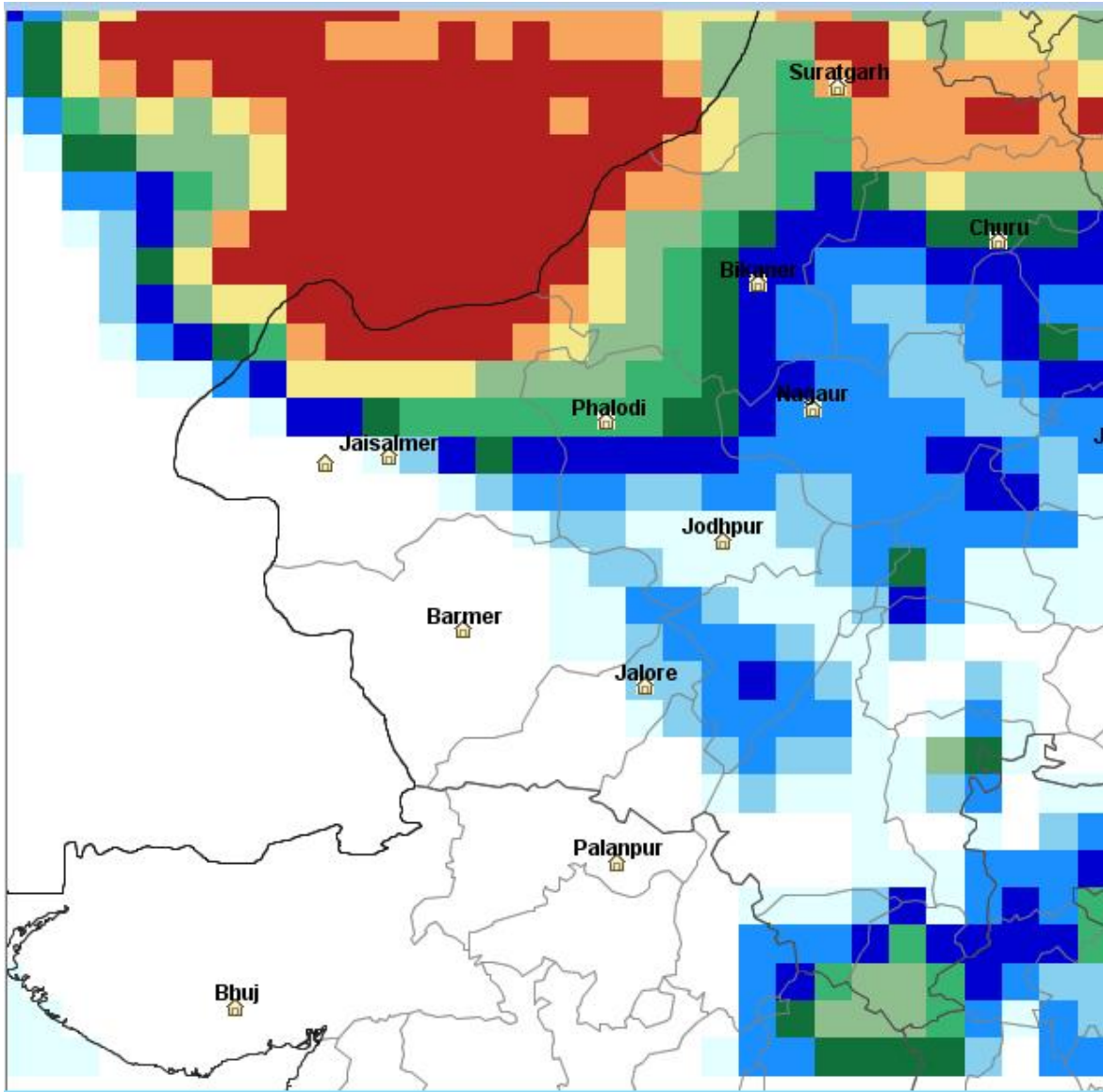
6. **संबंध/CONTACTS:** During field survey, surveyors contacted to the villagers including farmers, nomads, NGOs and state functionaries and made aware of the locust activities prevailing at present and advised to inform the nearest LCO or any other government agencies if any locust development in their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

(Dr. B. S. Phogat)

Add. Plant Protection Adviser

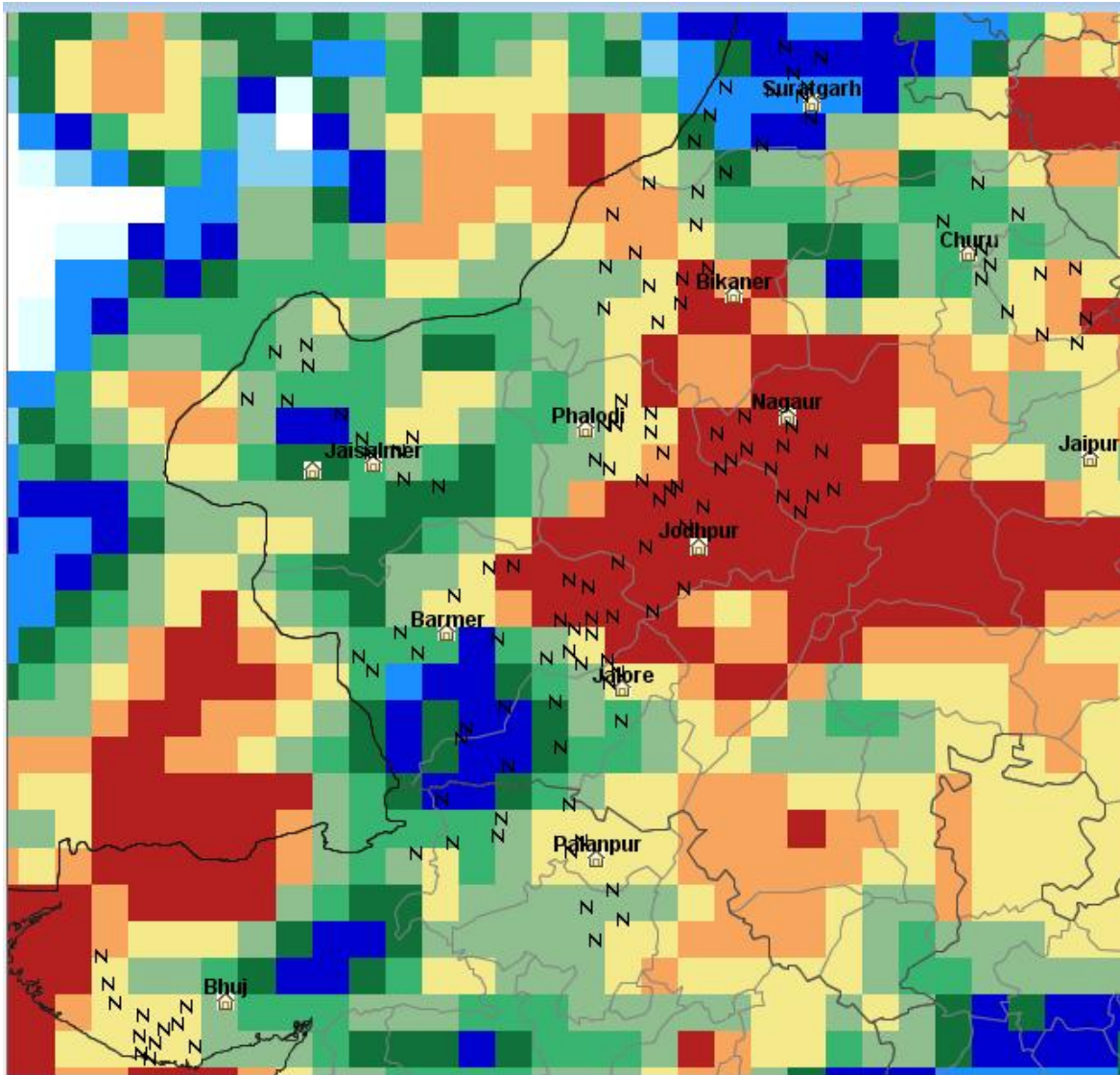
Map showing rainfall estimation for 11-20 June 2017

Good rain fall at northern part of Jaisalmer, Phalodi, Bikaner and suratgarh

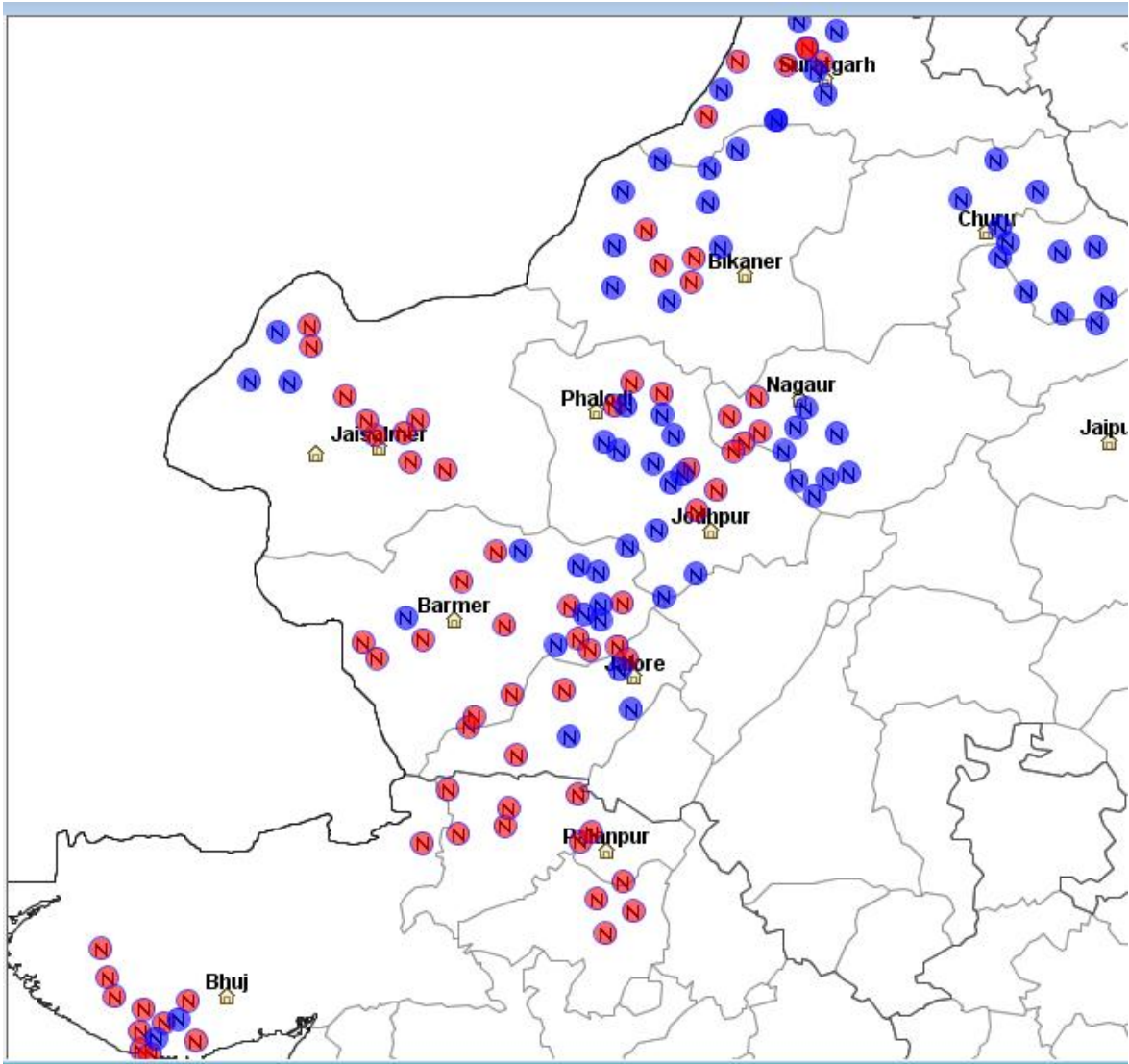


Map showing rainfall estimation for 21-30 June 2017

Heavy rain fall at Bikaner, Nagaur, Jodhpur, Bhuj and Jalore. Moderate rainfall at rest part of SDA



soil moisture for 2nd fortnight of June 2017 recorded by surveyor at the places where surveys were undertaken

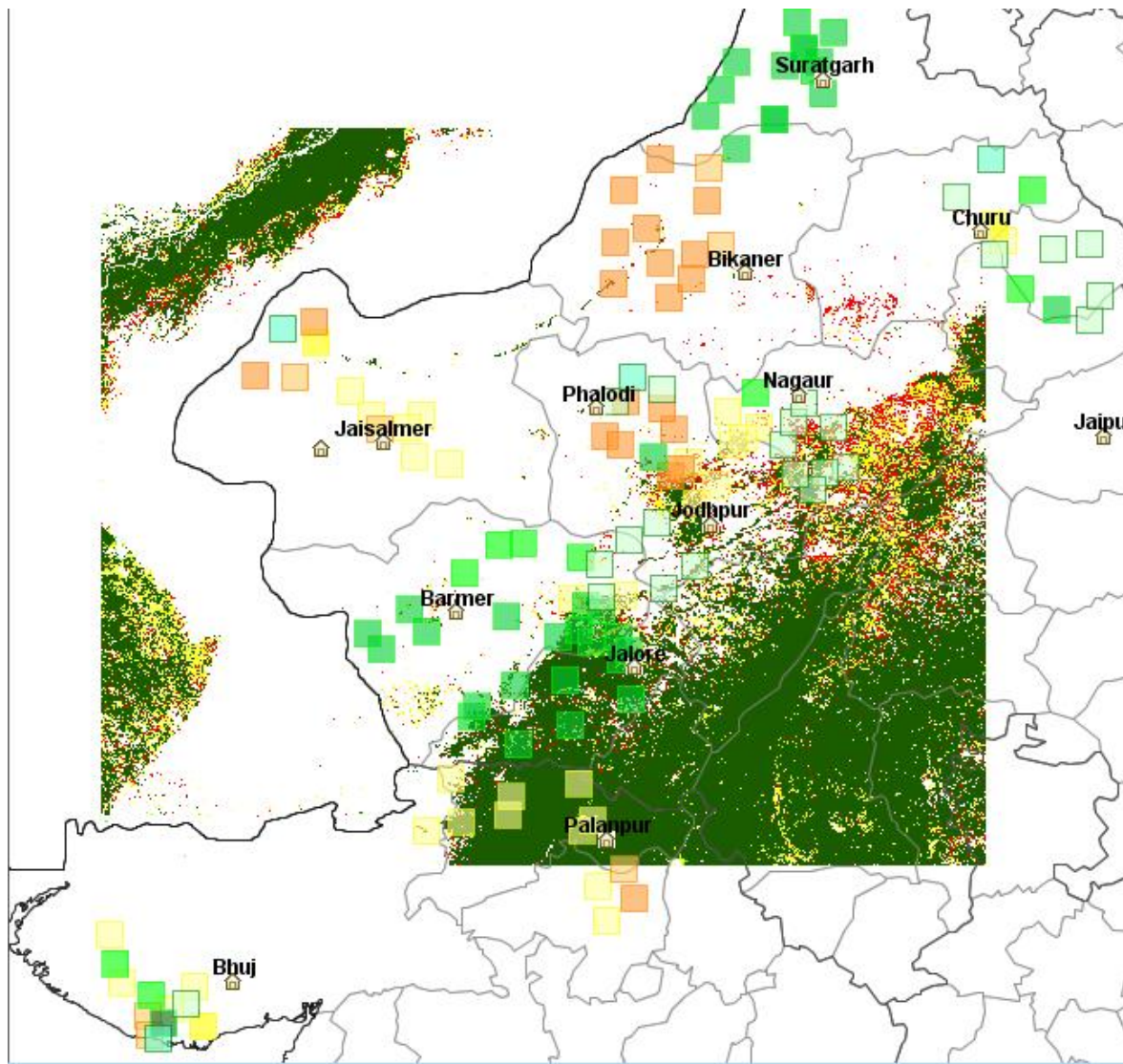


Legends

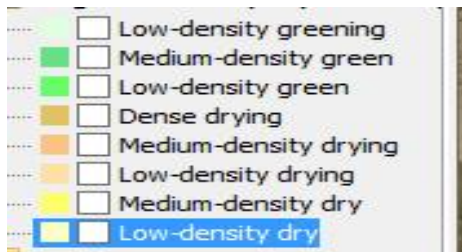
	<input checked="" type="checkbox"/>	Dry
	<input checked="" type="checkbox"/>	Wet

Map showing

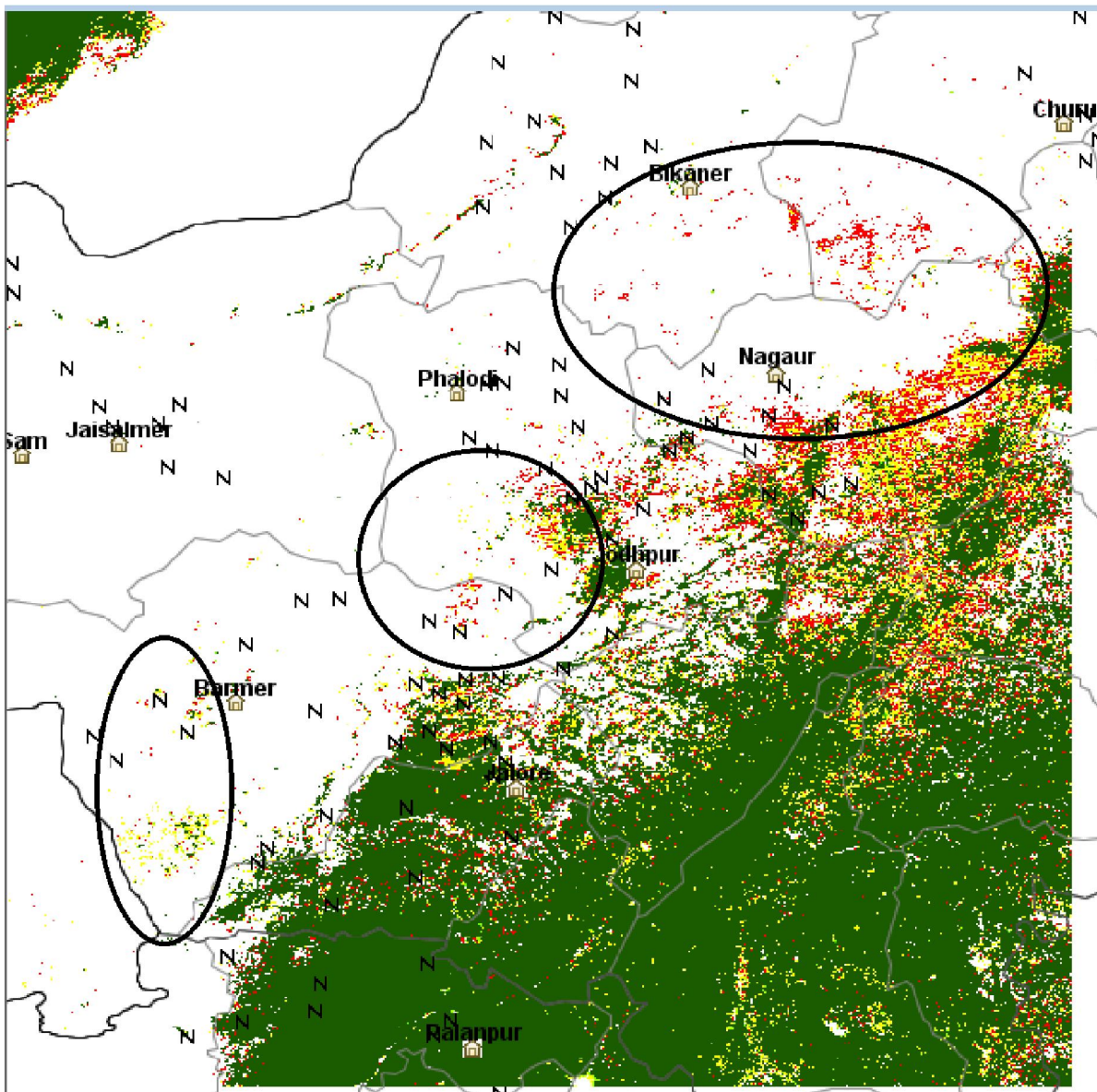
1. Green Vegetation status for 11.6-20.6.2017 obtained from FAO website
2. vegetation status observed by surveyors during 16.6-30.6.2017 recorded by surveyor at the places where surveys were undertaken



Legends



Copy of same Green vegetation status map for 11.06 to 20.06.2017 in which new growing vegetation is shown in the circle (round).



Number of decade of vegetations

