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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

Vol. 69 सं./No. 17

अवधि/Period 01-15 September, 2017

1. सार/SUMMARY: India continued to be free from gregarious and solitary desert locust activity during the 1st fortnight of September 2017. As per eLocust3 data total 128 spots were surveyed (shown in map with “N” means survey undertaken and no locust found) in distant and 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 1st decade of September 2017, light to moderate rainfall was observed at Suratgarh area of Rajasthan. As per survey data, the vegetation is almost green in all the areas of SDA and same is confirmed by attached green vegetation map and the soil moisture is wet in Barmer, Jaisalmer, Bikaner, Suratgarh, Churu, western part of Nagaur, Palanpur, Bhuj and rest areas of survey spots was observed dry. The almost area of SDA covered with green vegetation and wet soil is more favourable for the locust breeding in the remote areas. The maps showing green vegetation status and rainfall estimation for 1st decade of September along with locust situation of 1st fortnight of September and the survey data of both soil moisture and green vegetation status observed by surveyors during the surveys in 1st fortnight of September 2017 are shown in the enclosed 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 Adults	Nil

4. **पूर्वानुमान/ FORECAST:** Small scale breeding is likely to be occurred in coming fortnight/ month due to wide spread of rainfall in SDA since July onward with a short interval, availability of thorough dense newly green vegetation in remote areas and observance of solitary isolated mature/immature adult locust during last 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. Keeping in view of favourable ecological condition special border survey will be continue for next month.

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.

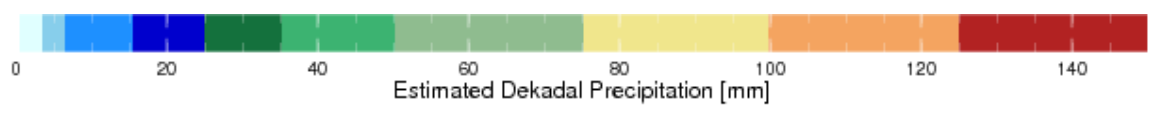
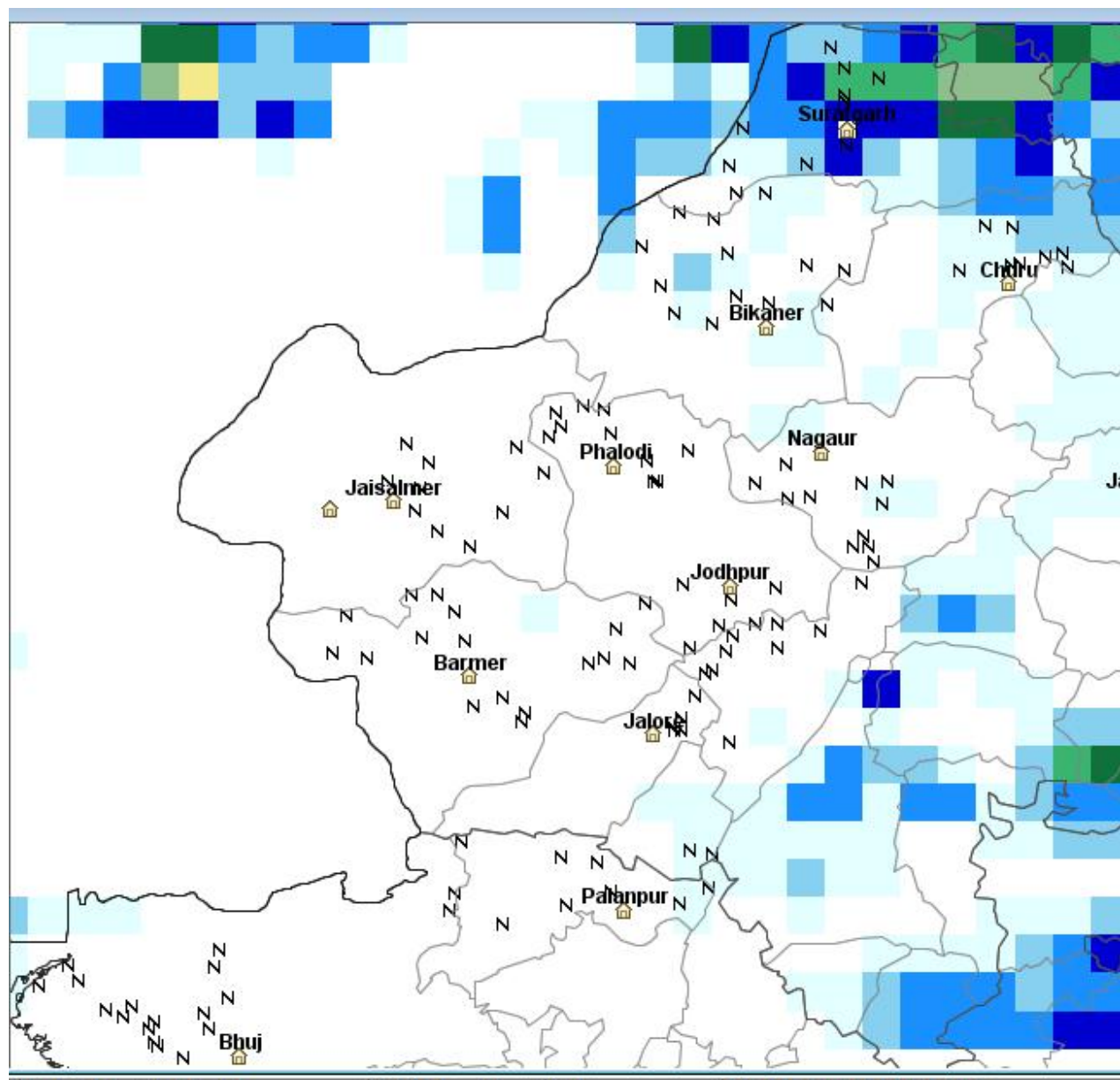
7. **बैठक/ MEETING:** - The 3rd Indo-Pak locust officers monthly border meeting will be held on 19th September 2017 at Munabao/ Khokhrapar (India side).

(Dr. B. S. Phogat)

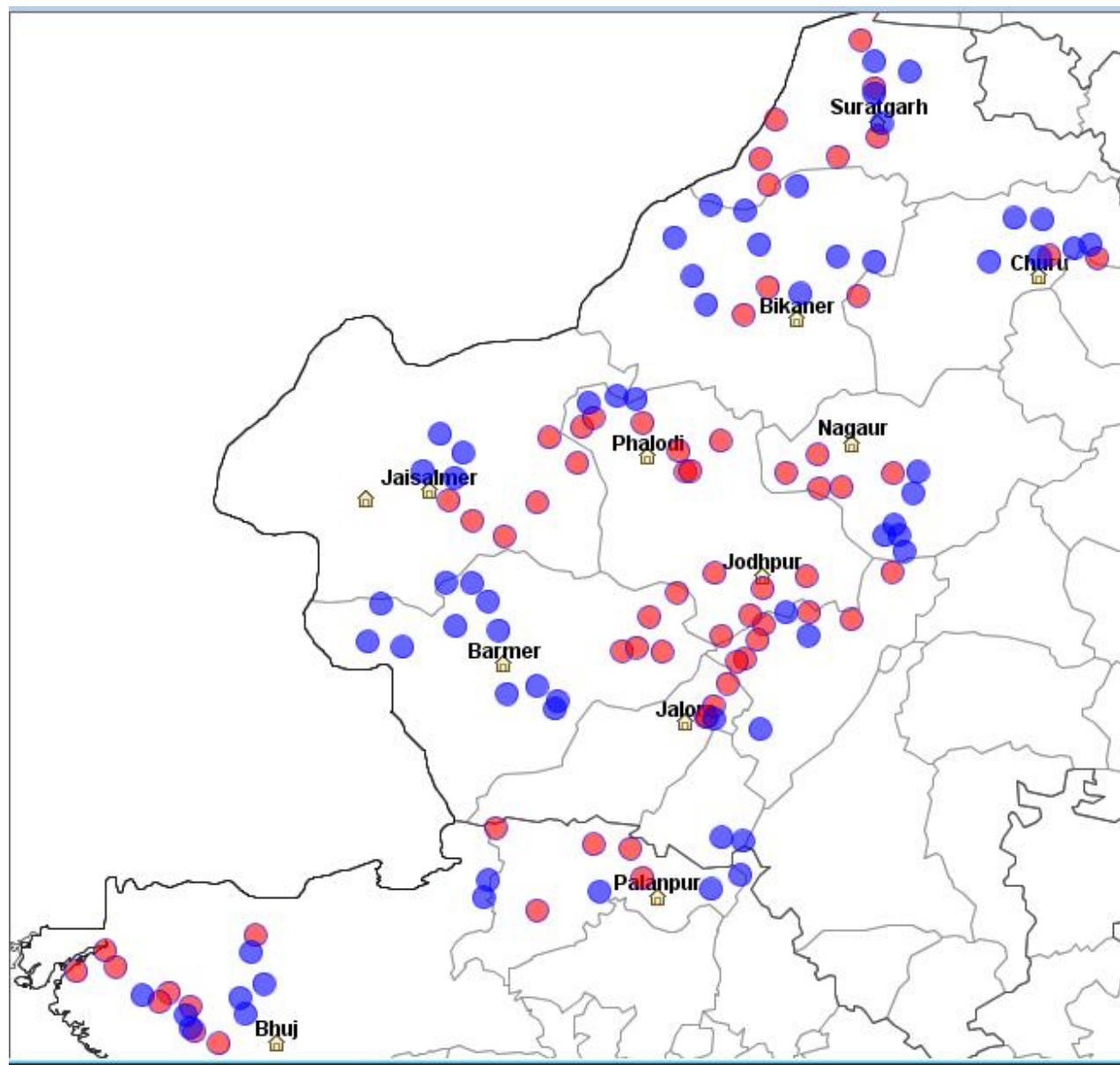
Add. Plant Protection Adviser

Map showing Locust situation for 01 – 15 September and rainfall estimation for 01-10 September 2017

Light to moderate rainfall observed at Suratgarh area. N is the place where surveys were undertaken and no locust population observed.



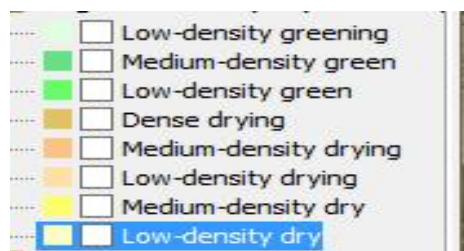
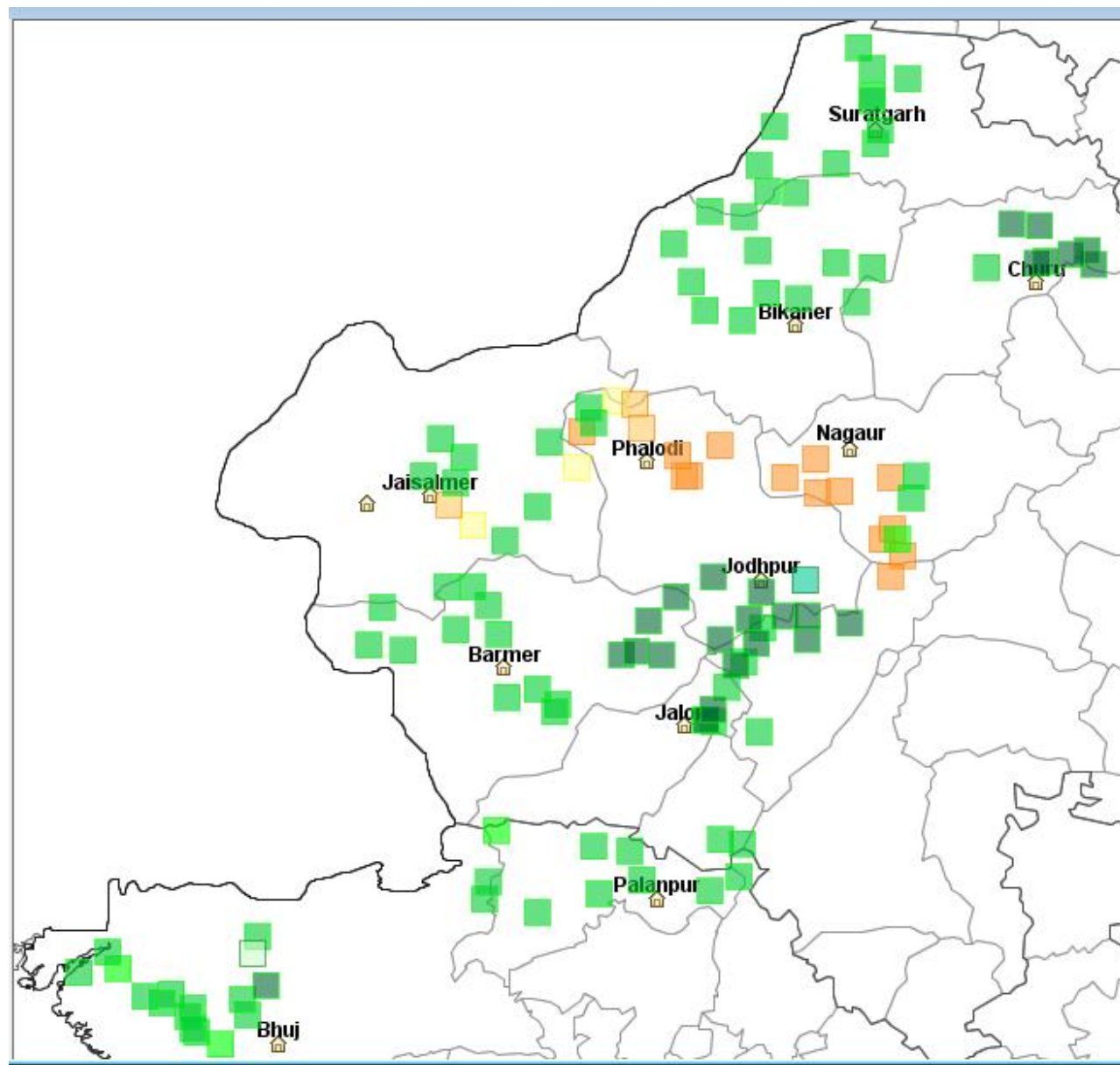
Soil moisture during 1st fortnight of September 2017 recorded by surveyor during surveys undertaken.



Legends

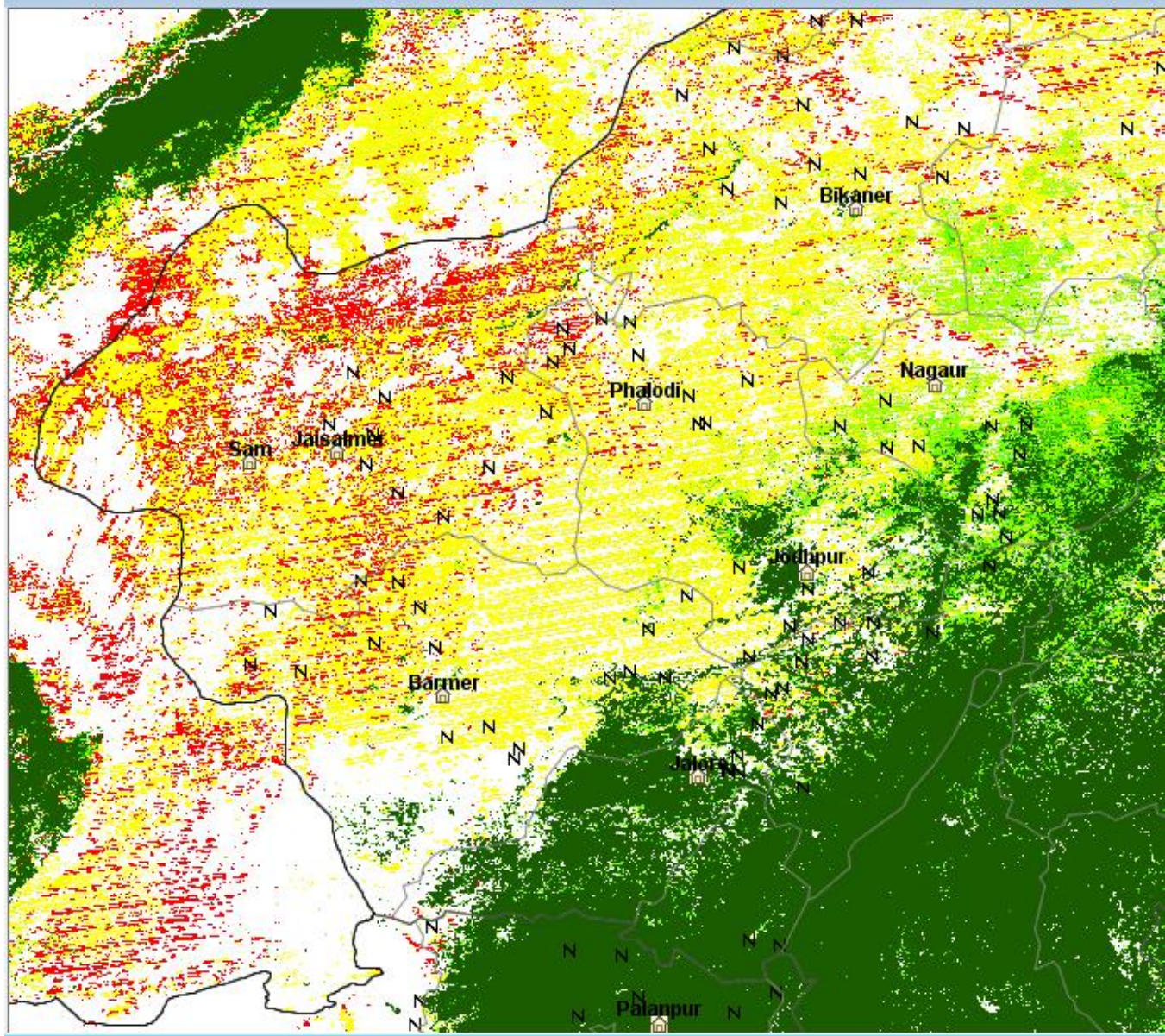
	<input checked="" type="checkbox"/>	Dry
	<input checked="" type="checkbox"/>	Wet

Green vegetation observed by the surveyors during locust surveys in the 1st fortnight of September 2017. Almost all the areas of SDA is green except Phalodi and Nagaur.



Green vegetation status map for 1st decade of September 2017

The vegetation of whole area of SDA is green. The vegetation in Jaisalmer area is 1-2 decade old. The vegetation in Barmer, Phalodi, Nagaur, Churu, Bikaner, Jodhpur and Suratgarh areas is two decade old and vegetation in some areas of Nagaur and Churu is 3 decade old.



Number of decade of vegetations

