



- Calm
- Caution
- Threat
- Danger

## JOINT PROCEEDING

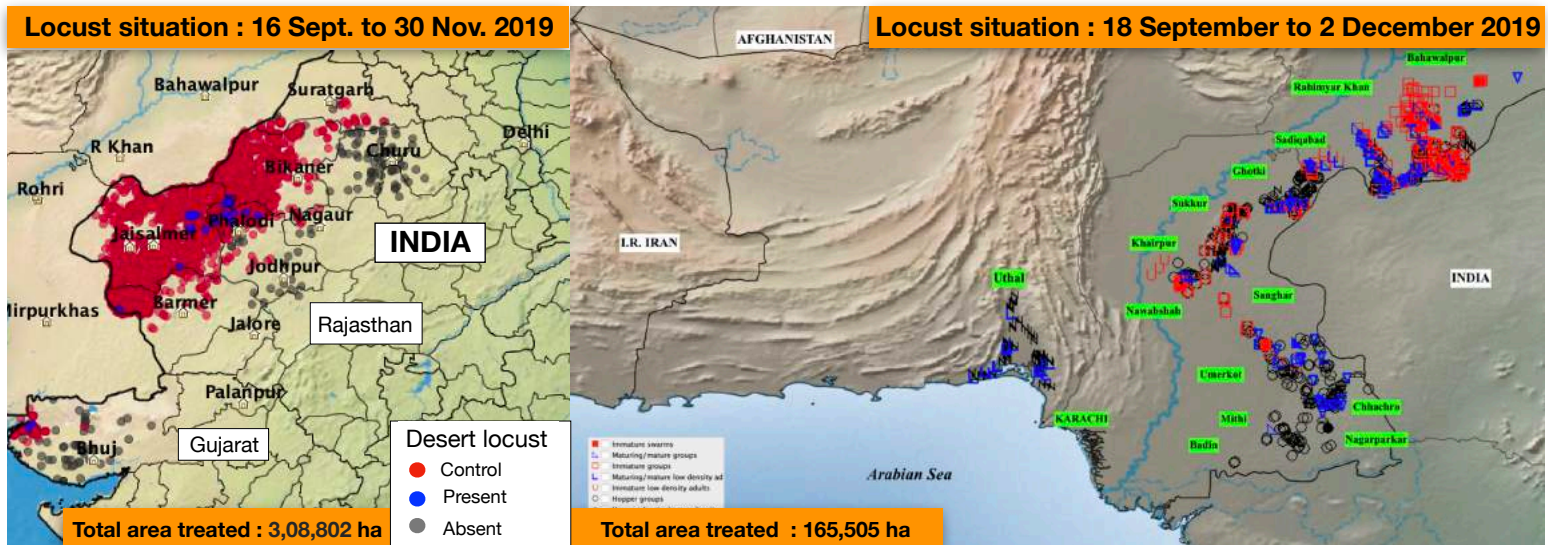
### FIFTH INDO-PAK LOCUST OFFICERS BORDER MEETING 2019

**YEAR 2019 / NO. 5**

**Date : 04.12.2019**

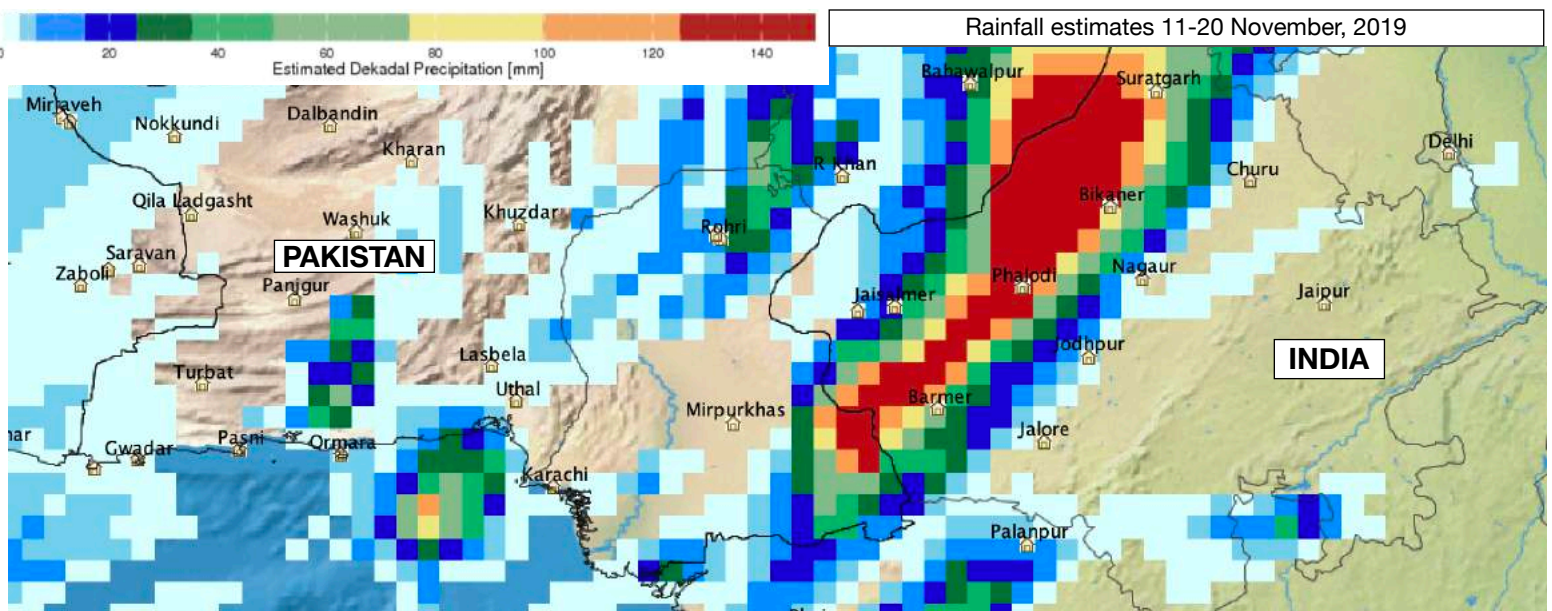
**LOCUST SITUATION INDIA** (16<sup>th</sup> September to 30<sup>th</sup> November, 2019) : Desert locust distant, cross country and special surveys in the Scheduled Desert Areas (SDA) of India were conducted by Locust Circle Offices and additional survey teams in their respective jurisdiction and covered 3956 localities. Control operations were undertaken at 3619 localities against low to medium density breeding/immature swarm / adult groups and 1<sup>st</sup> to V<sup>th</sup> instar hopper groups in Jaisalmer, Barmer, Bikaner, Jodhpur, Nagaur, Suratgarh districts of Rajasthan and Bhuj-Kutch of Gujarat area and treated 1,60,228 ha. Total 3,08,802 ha area has been treated in SDA of India up to 30th November, 2019 (22-31 May, 2019 = 1560 ha, 01-30 June = 3971 ha, 01-31 July = 36350 ha, 1-31 August = 65089 ha, 01-30 September = 84814 ha, 01-31 October = 82944 ha, November = 34074 ha).

**LOCUST SITUATION PAKISTAN** (18 September to 2<sup>nd</sup> December, 2019) :On Pakistan side the Desert locust survey and control operations were carried out in Cholistan, Nara and Tharparkar deserts of Punjab and Sindh provinces and Uthal area of Balochistan during the reporting period. Total 1023 localities were surveyed out of which locust was present at 860 localities and control operation was conducted at 733 localities. During the survey, the immature/mature swarms, groups and adults, breeding groups as well as hopper bands/groups of all instars were reported in Cholistan, Nara and Tharparkar deserts. All the reported locust infestation was successfully treated by using ground and aerial means. An area of 105,470 hectares was treated out of which 3,000 hectares was treated by aerial means during the reporting period. Total 165,505 hectares have been treated, including 6,200 hectares by aircrafts in Pakistan so far (March 345 ha., April 540 ha., May 4,135 ha., June 10,505 ha., July 8,030 ha., August 16,560 ha., September 31,005 ha., October 30,541, November 59,964, ha and up to 2<sup>nd</sup> December, 3880 ha.).



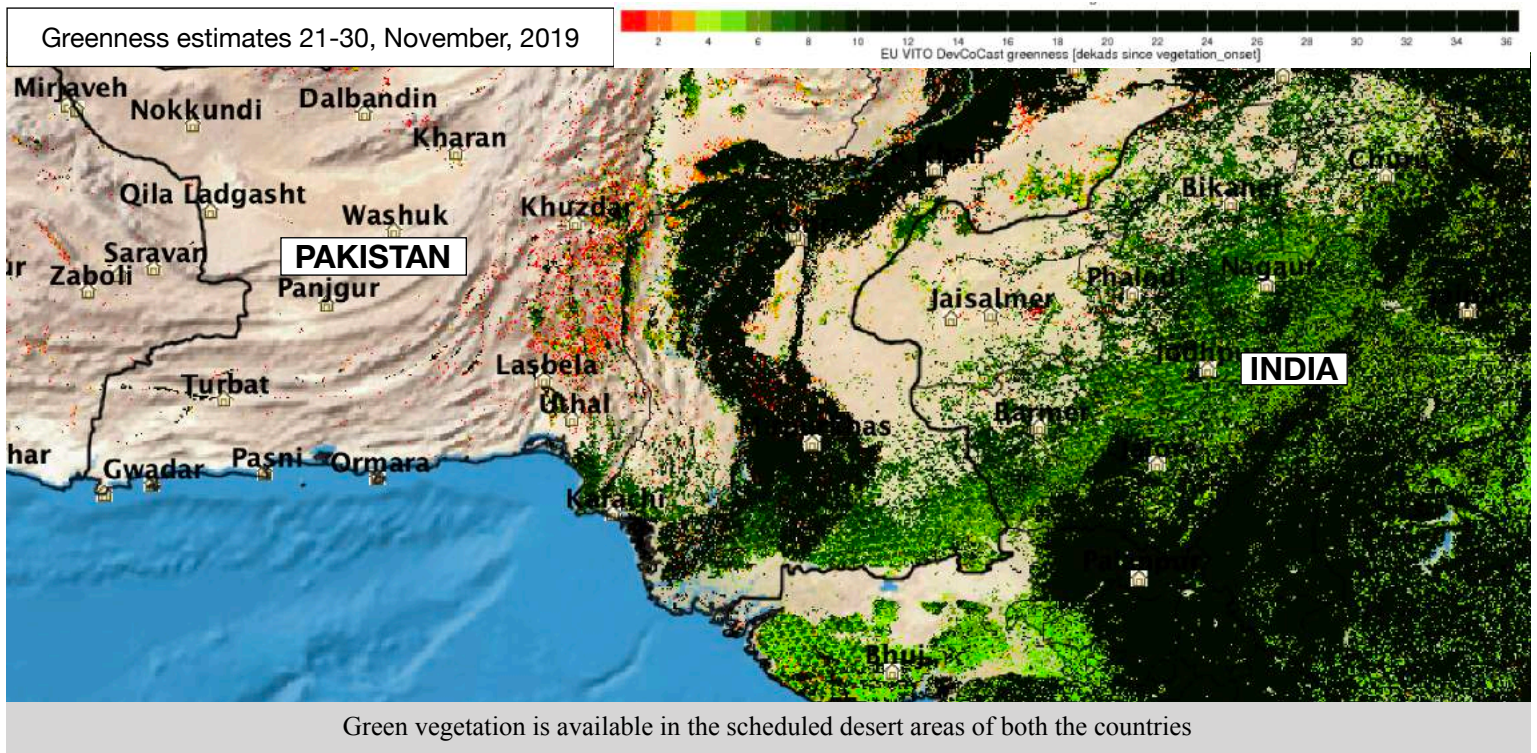
Control operations against mature/immature adult groups/swarms and hopper groups (1<sup>st</sup> to V<sup>th</sup> Instar and fledgling) were undertaken in both the countries

**ECOLOGY AND WEATHER:** As per the rainfall estimation map of 2<sup>nd</sup> decade of November, 2019 and desert locust survey reports, moderate to heavy rainfall occurred in all the locust infested areas, due to which soil moisture was found mostly wet and vegetation was observed green during the reporting period. However, green vegetation and soil moisture has started to dry in Nara, Tharparkar and Cholistan deserts in Pakistan and Ramgarh, Fatehgarh, Sundra area of India



Moderate to heavy rainfall occurred in the entire Scheduled Desert Areas of both the countries except Mirpurkhas





**MISCELLANEOUS :** Both the countries exchanged and discussed Desert Locust Situation bulletins, FAO locust bulletin, RAMSES maps showing locust situation, green vegetation and soil moisture for the reporting period.

**ACKNOWLEDGMENT :** The Locust Officers of both the countries expressed their deep and sincere thanks to the Pakistan Rangers and Border Security Force of India for extending their full cooperation and support for making necessary arrangements for the meeting at Khokhropar Meeting Hall, Pakistan. Delegates from both the countries thanked each other for their cooperation for smooth conducting of the meeting. Pakistani delegation thanked Indian side for cordial welcome and hospitality extended during the course of the border meeting.

**FORECAST :** Changing ecological conditions, drying soil moisture, decreasing temperature and vegetation will induce migration of locust towards winter breeding areas, which may cause decreasing locust population in the summer breeding areas by next fortnight. However, strict surveillance and control operations are required to keep the locust activities under control by both the countries in their respective jurisdictions.

**VENUE OF THE NEXT MEETING :** The 1<sup>st</sup> border meeting of the year 2020 is proposed to be held at Khokhropar/ Munabao border point on 18<sup>th</sup> June, 2020 at 9.00 hours (PST)/09.30 hours (IST) on Pakistan side.

### Participants

#### PAKISTAN

1. Dr. Muhammad Tariq Khan, Director (Technical), DPP, Karachi
2. Mr. Muhammad Hussain Dars, Assistant Entomologist, Mirpur Khas
3. Mr. M. Shahbaz, Assistant Entomologist (Locust), HQs, Karachi
4. Mr. Javed Iqbal Khan, Assistant Entomologist, Lahore

#### INDIA

1. Dr. K.L. Gurjar, Deputy Director (PP), HQs, Faridabad
2. Shri Pawan Kumar, PPO(WS), LCO, Phalodi
3. Shri Om Prakash, PPO(E), LWO, Jodhpur
4. Shri Chandra Shekhar Sharma, APPO, LWO, Jodhpur



Fifth Indo-Pak locust officers border meeting of 2019 was held at Munabao (India side) on **04th December, 2019** at 09:30 hrs (IST) / 09.00 hrs (PST)