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Issue Date: 15-Sep-2026



MONITORING OF PADDY RESIDUE BURNING IN NORTH CENTRAL INDIA USING SATELLITE REMOTE SENSING DURING KHARIF 2026

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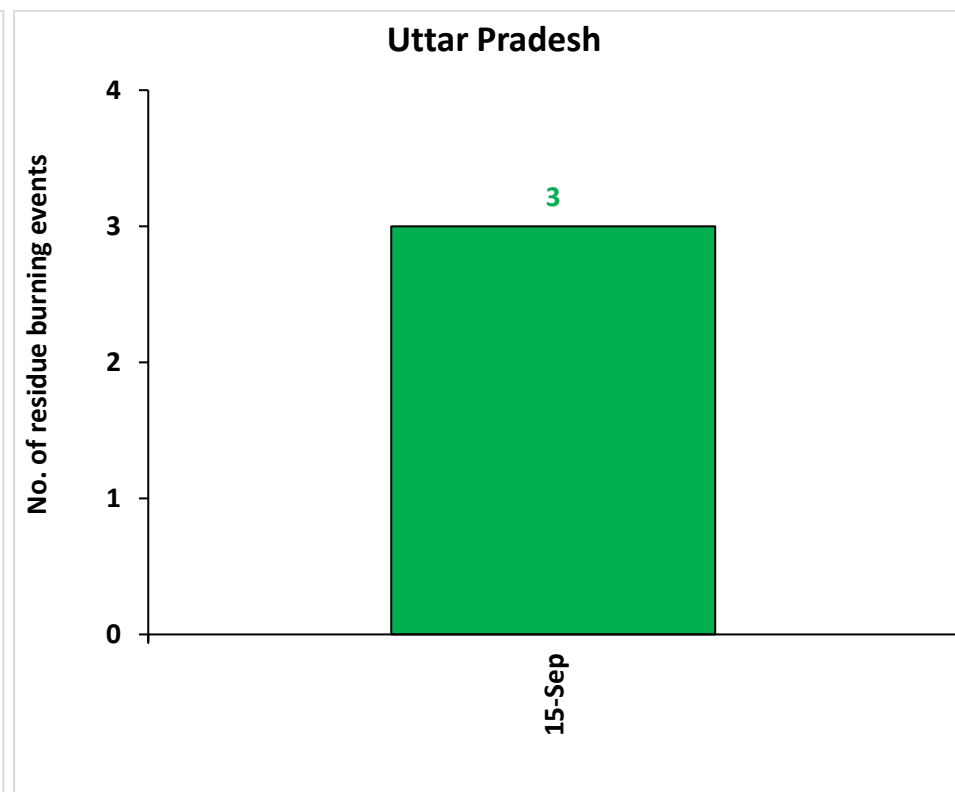
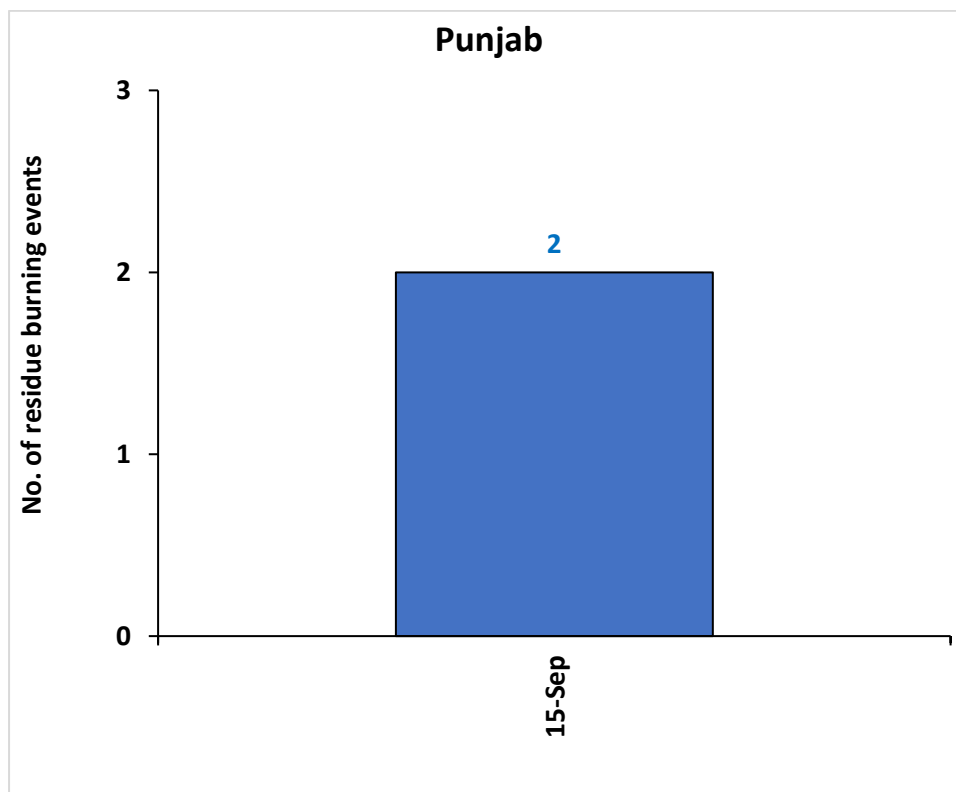


https://creams.iari.res.in/?page_id=1123

Highlights For 15-Sep-2026

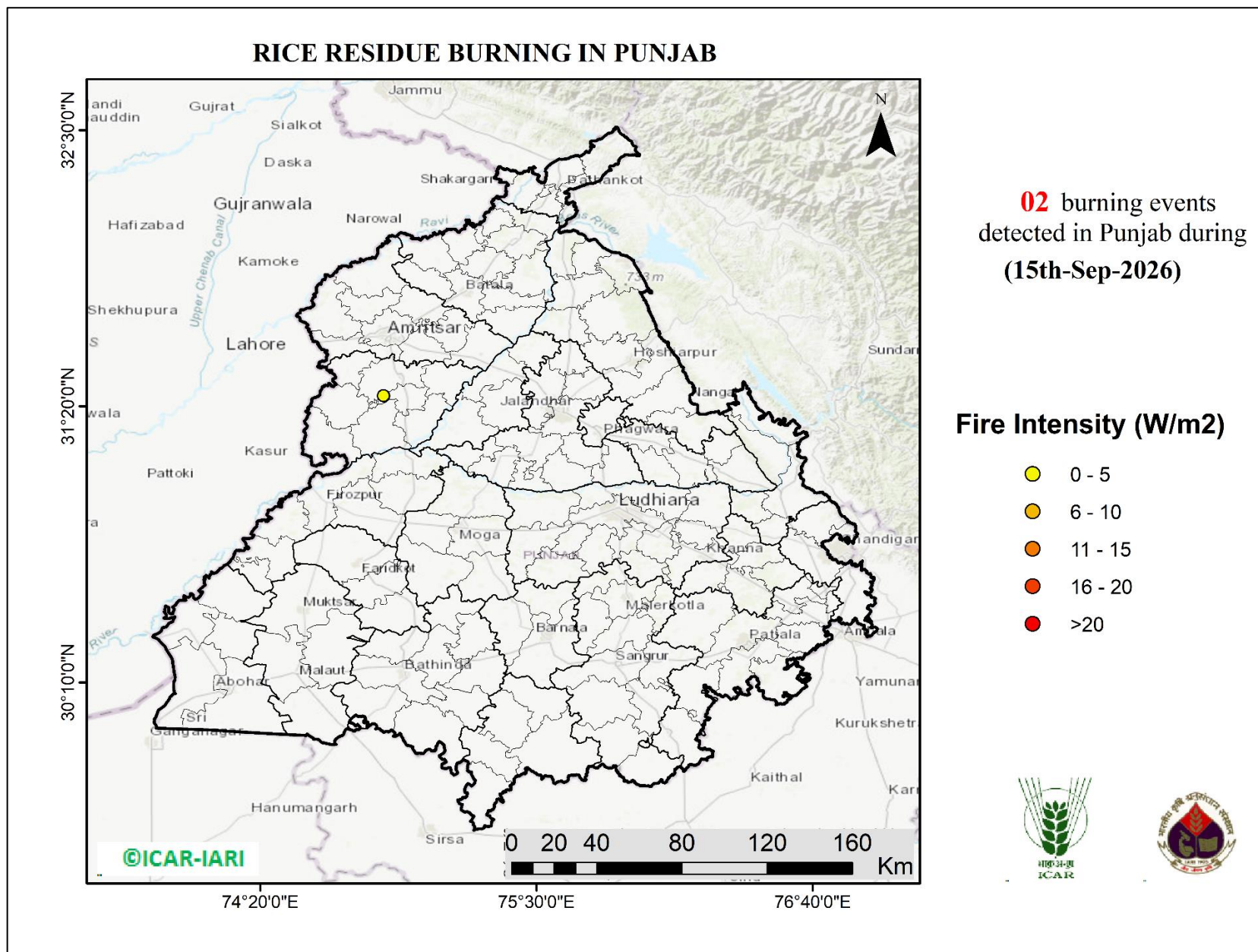
- ✚ The active fire events due to paddy residue burning were monitored using satellite remote sensing, following the "Standard Protocol for Estimation of Crop Residue Burning Fire Events using Satellite Data".
- ✚ Satellites detected **05** residue burning events in the six study States on **15-Sep-2026**.
- ✚ The state wise events detected on **15-Sep-2026** were **02** in Punjab, **00** in Haryana, **03** in UP, **00** in Delhi, **00** in Rajasthan, **00** in UK and **00** in MP.
- ✚ Detection of residue burning events was hampered by the presence of clouds over parts of Punjab, Uttar Pradesh, Uttarakhand, Madhya Pradesh and Rajasthan states.

Temporal distribution of paddy residue burning events for the study States in 2026

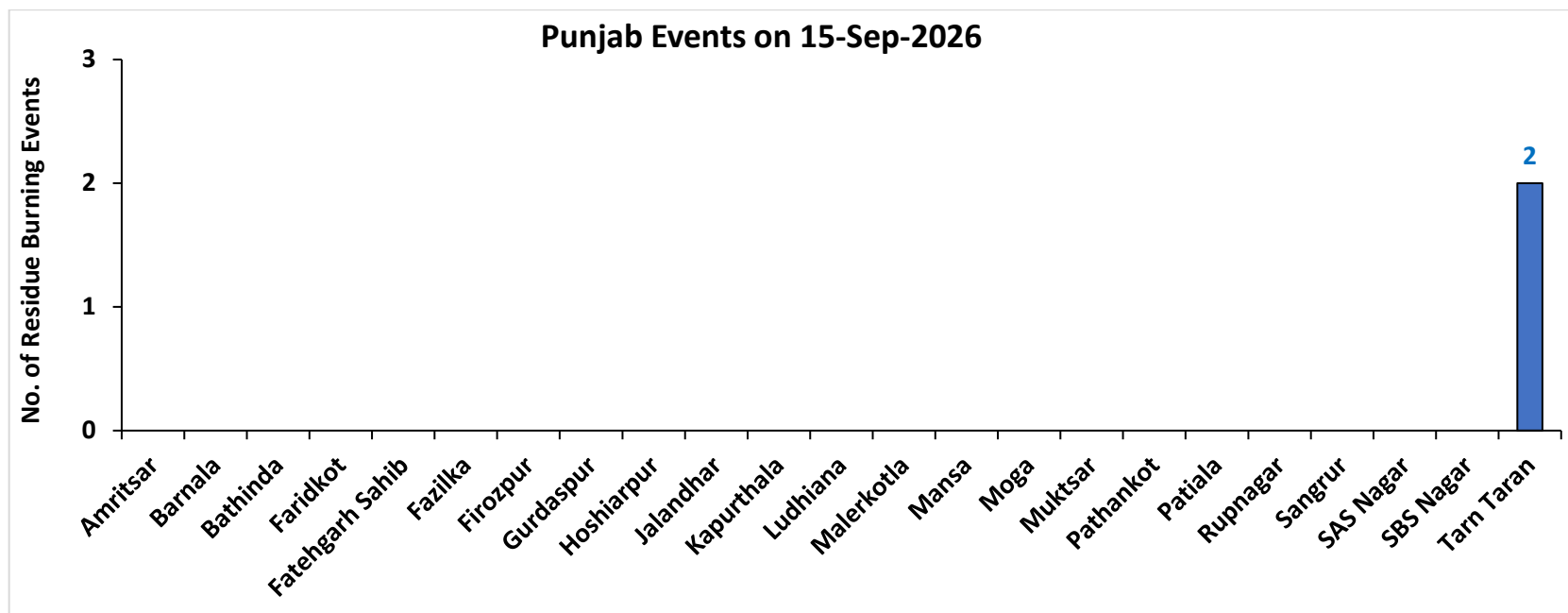


Punjab

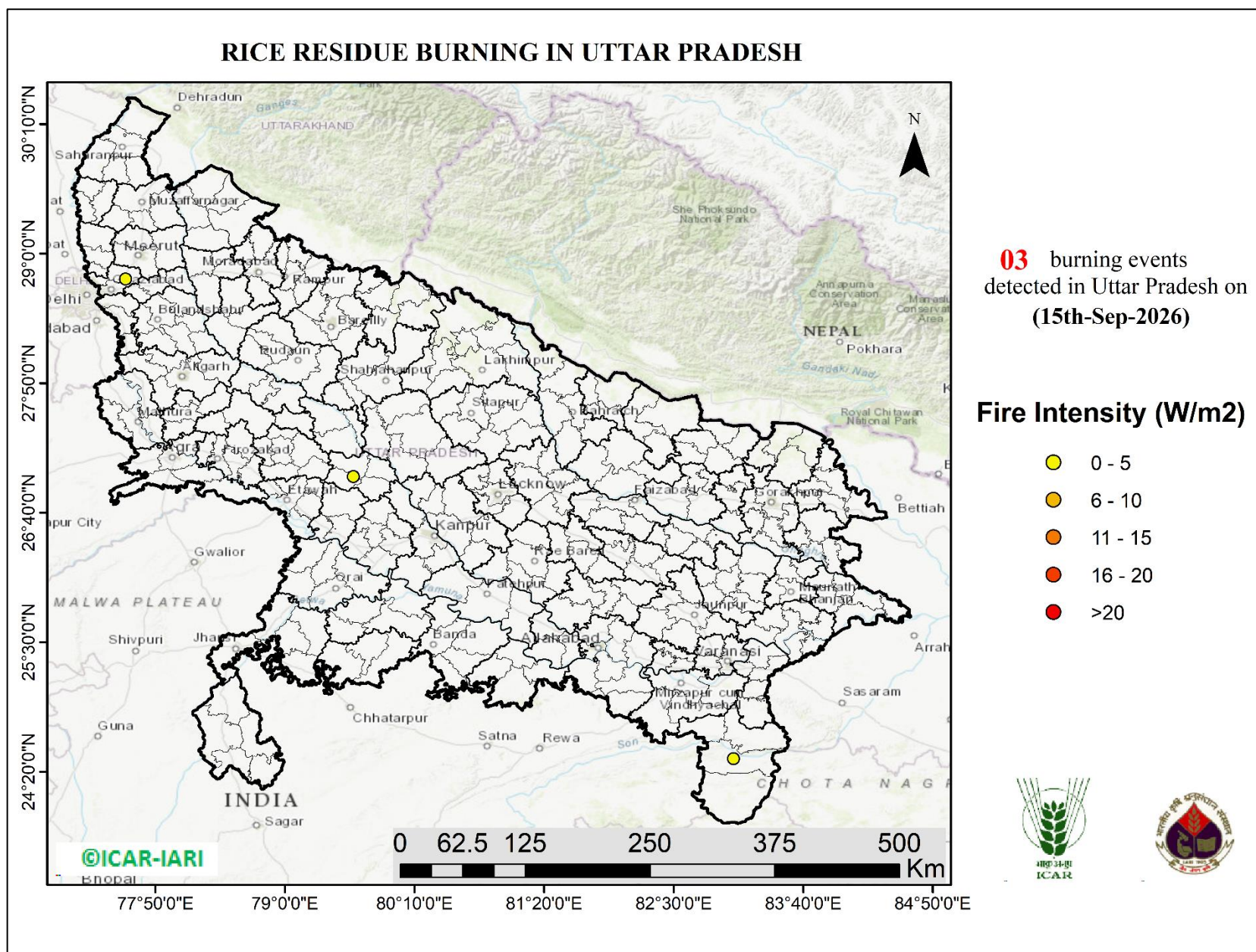
RICE RESIDUE BURNING IN PUNJAB



District-wise number of paddy residue burning events (15-Sep-2026)

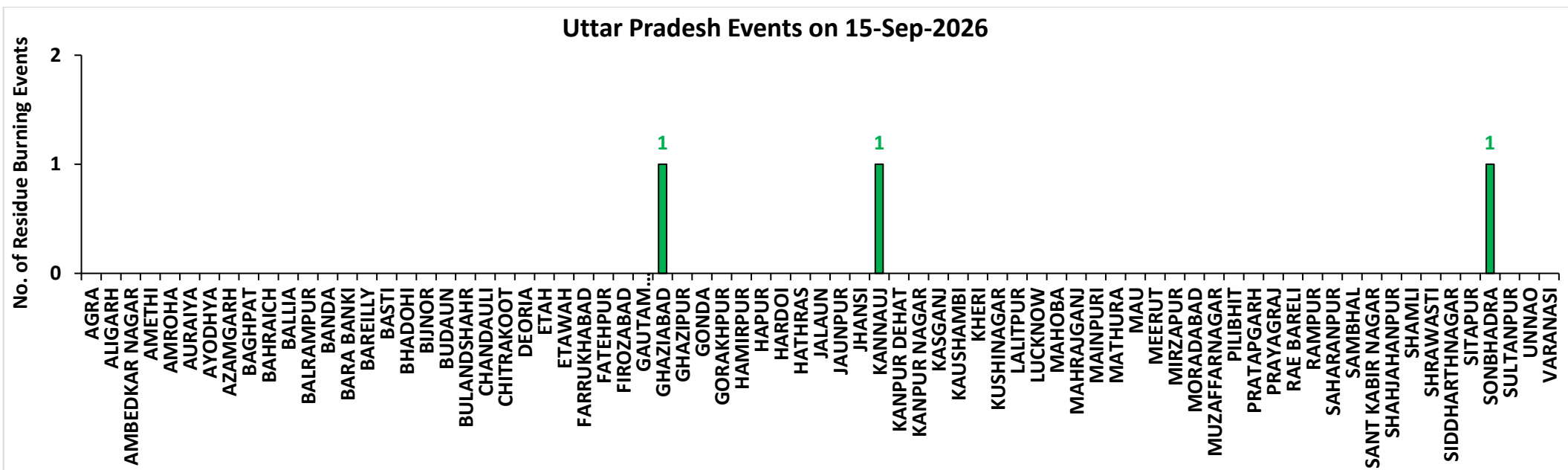


Uttar Pradesh



District-wise number of paddy residue burning events (15-Sep-2026)

Uttar Pradesh Events on 15-Sep-2026



District-wise cumulative number of paddy residue burning events detected in 2020, 2021, 2022, 2023, 2024, 2025 and 2026 (Period: 15 September)

Punjab

DISTRICT	15-SEP						
	2020	2021	2022	2023	2024	2025	2026
AMRITSAR	5	0	11	0	9	3	0
BARNALA	0	0	0	0	0	0	0
BATHINDA	0	0	0	0	0	0	0
FARIDKOT	0	0	0	0	0	0	0
FATEHGARH SAHIB	0	0	0	0	0	0	0
FAZILKA	0	0	0	0	0	0	0
FIROZPUR	0	0	0	0	1	0	0
GURDASPUR	0	0	0	0	0	0	0
HOSHIARPUR	0	0	0	0	0	0	0
JALANDHAR	0	0	0	0	0	0	0
KAPURTHALA	0	0	0	0	0	0	0
LUDHIANA	0	0	0	0	0	0	0
MALERKOTLA	0	0	0	0	0	0	0
MANSA	0	0	0	0	0	0	0
MOGA	0	0	0	0	0	0	0
MUKTSAR	0	0	0	0	0	0	0
PATHANKOT	0	0	0	0	0	0	0
PATIALA	0	0	0	0	0	2	0
RUPNAGAR	0	0	0	0	0	0	0
SANGRUR	0	0	0	0	0	0	0
SAS NAGAR (MOHALI)	0	0	0	0	0	0	0
SBS NAGAR	0	0	0	0	0	0	0
TARN TARAN	0	0	3	0	1	0	2
TOTAL	5	0	14	0	11	5	2

Haryana

District	15 Sep - 19 Sep						
	2020	2021	2022	2023	2024	2025	2026
AMBALA	0	0	0	0	0	0	0
BHIWANI	0	0	0	0	0	0	0
CHARKHI DADRI	0	0	0	0	0	0	0
FARIDABAD	0	0	0	0	0	1	0
FATEHABAD	0	0	0	0	0	0	0
GURGAON	0	0	0	0	0	0	0
HANSI	0	0	0	0	0	0	0
HISAR	0	0	0	0	0	0	0
JHAJJAR	0	0	0	0	0	0	0
JIND	0	0	0	0	0	0	0
KAITHAL	0	0	0	0	0	0	0
KARNAL	1	0	0	0	0	0	0
KURUKSHETRA	0	0	0	0	0	0	0
MAHENDERGARH	0	0	0	0	0	0	0
MEWAT	0	0	0	0	0	0	0
PALWAL	0	0	0	0	0	0	0
PANCHKULA	0	0	0	0	0	0	0
PANIPAT	0	0	0	0	0	0	0
REWARI	0	0	0	0	0	0	0
ROHTAK	0	0	0	1	0	0	0
SIRSA	1	0	0	0	1	0	0
SONIPAT	0	0	0	0	0	0	0
YAMUNANAGAR	0	0	0	0	0	0	0
Total	2	0	0	1	1	1	0

Uttar Pradesh

District	15-Sep						
	2020	2021	2022	2023	2024	2025	2026
AGRA	0	0	0	0	0	0	0
ALIGARH	0	0	0	0	0	0	0
AMBEDKAR NAGAR	0	0	0	0	0	0	0
AMETHI	0	0	0	0	0	0	0
AMROHA	0	0	0	0	0	0	0
AURAIYA	0	0	0	0	0	1	0
AYODHYA	0	0	0	0	0	0	0
AZAMGARH	0	0	0	0	0	0	0
BAGHPAT	0	0	0	0	0	0	0
BAHRAICH	0	0	0	0	0	0	0
BALLIA	0	0	0	0	0	0	0
BALRAMPUR	0	0	0	0	0	0	0
BANDA	0	0	0	0	0	0	0
BARA BANKI	0	0	0	0	0	0	0
BAREILLY	0	0	0	0	0	0	0
BASTI	0	0	0	0	0	0	0
BHADOHI	0	0	0	0	0	0	0
BIJNOR	0	0	0	0	0	0	0
BUDAUN	0	0	0	0	0	0	0
BULANDSHAHR	0	0	0	0	0	0	0
CHANDAULI	0	0	0	0	0	0	0
CHITRAKOOT	0	0	0	0	0	0	0
DEORIA	0	0	0	0	0	0	0
ETAH	0	0	0	0	0	0	0
ETAWAH	0	0	0	0	0	0	0
FARRUKHABAD	0	0	0	0	0	0	0
FATEHPUR	0	0	0	0	0	0	0



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FIROZABAD	0	0	0	0	0	0	0
GAUTAM BUDDHA NAGAR	0	0	0	0	0	0	0
GHAZIABAD	0	0	0	0	0	0	1
GHAZIPUR	0	0	0	0	0	0	0
GONDA	0	0	0	0	0	0	0
GORAKHPUR	0	0	0	0	0	0	0
HAMIRPUR	0	0	0	0	0	0	0
HAPUR	0	0	0	0	0	0	0
HARDOI	0	0	0	0	0	0	0
HATHRAS	0	0	0	0	0	0	0
JALAUN	0	0	0	0	0	0	0
JAUNPUR	0	0	0	0	0	0	0
JHANSI	0	0	0	0	0	0	0
KANNAUJ	0	0	0	0	0	0	1
KANPUR DEHAT	0	0	0	0	0	0	0
KANPUR NAGAR	0	0	0	0	0	0	0
KASGANJ	0	0	0	0	0	0	0
KAUSHAMBI	0	0	0	0	0	0	0
KHERI	0	0	0	0	0	0	0
KUSHINAGAR	0	0	0	0	0	0	0
LALITPUR	0	0	0	0	0	0	0
LUCKNOW	0	0	0	0	0	0	0
MAHOBA	0	0	0	0	0	0	0
MAHRAJGANJ	0	0	0	0	0	0	0
MAINPURI	0	0	0	0	0	0	0
MATHURA	0	0	0	0	0	0	0
MAU	0	0	0	0	0	0	0
MEERUT	0	0	0	0	0	0	0
MIRZAPUR	0	0	0	0	0	0	0
MORADABAD	0	0	0	0	0	0	0

MUZAFFARNAGAR	0	0	0	0	0	0	0
PILIBHIT	0	0	0	0	0	0	0
PRATAPGARH	0	0	0	0	0	0	0
PRAYAGRAJ	0	0	0	0	0	0	0
RAE BARELI	1	0	0	0	0	0	0
RAMPUR	0	0	0	0	0	0	0
SAHARANPUR	0	0	0	0	0	0	0
SAMBHAL	0	0	0	0	0	0	0
SANT KABIR NAGAR	0	0	0	0	0	0	0
SHAHJAHANPUR	0	0	0	0	0	0	0
SHAMLI	0	0	0	0	0	0	0
SHRAWASTI	0	0	0	0	0	0	0
SIDDHARTH NAGAR	0	0	0	0	0	0	0
SITAPUR	0	0	0	0	0	0	0
SONBHADRA	0	0	0	0	0	0	1
SULTANPUR	0	0	0	0	0	0	0
UNNAO	0	0	0	0	0	0	0
VARANASI	0	0	0	0	0	0	0
Total	1	0	0	0	0	1	3

Rajasthan

District	15-Sep						
	2020	2021	2022	2023	2024	2025	2026
AJMER	0	0	0	0	0	0	0
ALWAR	0	0	0	0	0	0	0
BALOTRA	0	0	0	0	0	0	0
BANSWARA	0	0	0	0	0	0	0
BARAN	0	0	0	0	0	0	0
BARMER	0	0	0	0	0	0	0
BEAWAR	0	0	0	0	0	0	0
BHARATPUR	0	0	0	0	0	0	0
BHILWARA	1	0	0	0	0	0	0
BIKANER	0	0	0	0	0	0	0
BUNDI	0	0	0	0	0	0	0
CHITTAURGARH	0	0	0	0	0	0	0
CHURU	0	0	0	0	0	0	0
DAUSA	0	0	0	0	0	0	0
DEEG	0	0	0	0	0	0	0
DHAULPUR	0	0	0	0	0	0	0
DIDWANA-KUCHAMAN	0	0	0	0	0	0	0
DUNGARPUR	0	0	0	0	0	0	0
GANGANAGAR	0	0	0	0	0	0	0
HANUMANGARH	0	0	0	0	0	0	0
JAIPUR	0	0	0	0	0	0	0
JAISALMER	0	0	0	0	0	0	0
JALOR	0	0	0	0	0	0	0
JHALAWAR	0	0	0	0	0	0	0
JHUNJHUNUN	0	0	0	0	0	0	0
JODHPUR	0	0	0	0	0	0	0

KARAULI	0	0	0	0	0	0	0
KHAIRTHAL-TIJARA	0	0	0	0	0	0	0
KOTA	0	0	0	0	0	0	0
KOTPUTLI-BEHROR	0	0	0	0	0	0	0
NAGPUR	0	0	0	0	0	0	0
PALI	0	0	0	0	0	0	0
PHALODI	0	0	0	0	0	0	0
PRATAPGARH	0	0	0	0	0	0	0
RAJSAMAND	0	0	0	0	0	0	0
SALUMBAR	0	0	0	0	0	0	0
SAWAI MADHOPUR	0	0	0	0	0	0	0
SIKAR	0	0	0	0	0	0	0
SIROHI	0	0	0	0	0	0	0
TONK	0	0	0	0	0	0	0
UDAIPUR	0	0	0	0	0	0	0
Total	1	0	0	0	0	0	0

Madhya Pradesh

District	2020	2021	2022	2023	2024	2025	2026
AGAR MALWA	0	0	0	0	0	0	0
ALIRAJPUR	0	0	0	0	0	0	0
ANUPPUR	0	0	0	0	0	0	0
ASHOKNAGAR	0	0	0	0	0	0	0
BALAGHAT	0	0	0	0	0	0	0
BARWANI	0	0	0	0	0	0	0
BETUL	0	0	0	0	0	0	0
BHIND	0	0	0	0	0	0	0
BHOPAL	0	0	0	0	0	0	0
BURHANPUR	0	0	0	0	0	0	0
CHHATARPUR	0	0	0	0	0	0	0
CHHINDWARA	0	0	0	0	0	0	0
DAMOH	0	0	0	0	0	0	0
DATIA	0	0	0	0	0	0	0
DEWAS	0	0	0	0	0	0	0
DHAR	0	0	0	0	0	0	0
DINDORI	0	0	0	0	0	0	0
GUNA	0	0	0	0	0	0	0
GWALIOR	0	0	0	0	0	0	0
HARDA	2	0	0	0	0	0	0
INDORE	0	0	0	0	0	0	0
JABALPUR	0	0	0	0	0	0	0
JHABUA	0	0	0	0	0	0	0
KATNI	0	0	0	0	0	0	0
KHANDWA	0	0	0	0	0	0	0
KHARGONE	0	0	0	0	0	0	0
MAIHAR	0	0	0	0	0	0	0
MANDLA	0	0	0	0	0	0	0



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MANDSAUR	0	0	0	0	0	0	0
MAUGANJ	0	0	0	0	0	0	0
MORENA	0	0	0	0	0	0	0
NARMADAPURAM	0	0	0	0	0	0	0
NARSIMHAPUR	0	0	0	0	0	0	0
NEEMUCH	0	0	0	0	0	0	0
NIWARI	0	0	0	0	0	0	0
PANDHURNA	0	0	0	0	0	0	0
PANNA	0	0	0	0	0	0	0
RAISEN	0	0	0	0	0	0	0
RAJGARH	0	0	0	0	0	0	0
RATLAM	0	0	0	0	0	0	0
REWA	0	0	0	0	0	0	0
SAGAR	0	0	0	0	0	0	0
SATNA	0	0	0	0	0	0	0
SEHORE	0	0	0	0	0	0	0
SEONI	0	0	0	0	0	0	0
SHAHDOL	0	0	0	0	0	0	0
SHAJAPUR	0	0	0	0	0	0	0
SHEOPUR	0	0	0	0	0	0	0
SHIVPURI	0	0	0	0	0	0	0
SIDHI	0	0	0	0	0	0	0
SINGRAULI	0	0	0	0	0	0	0
TIKAMGARH	0	0	0	0	0	0	0
UJJAIN	0	0	0	0	0	0	0
UMARIA	0	0	0	0	0	0	0
VIDISHA	0	0	0	0	0	0	0
Total	2	0	0	0	0	0	0

Delhi

District	15 Sep - 19 Sep						
	2020	2021	2022	2023	2024	2025	2026
CENTRAL	0	0	0	0	0	0	0
EAST	0	0	0	0	0	0	0
NEW DELHI	0	0	0	0	0	0	0
NORTH	0	0	0	0	0	0	0
NORTH EAST	0	0	0	0	0	0	0
NORTH WEST DELHI	0	0	0	0	0	0	0
SHAHADRA	0	0	0	0	0	0	0
SOUTH	0	0	0	0	0	0	0
SOUTH EAST	0	0	0	0	0	0	0
SOUTH WEST DELHI	0	0	0	0	0	0	0
WEST DELHI	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Uttarakhand

District	15-Sep						
	2020	2021	2022	2023	2024	2025	2026
DEHRADUN	0	0	0	0	0	0	0
HARIDWAR	0	0	0	0	0	0	0
NAINITAL	0	0	0	0	0	0	0
UDHAM SINGH NAGAR	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

UP NCR

District	15-Sep						
	2020	2021	2022	2023	2024	2025	2026
BAGHPAT	0	0	0	0	0	0	0
BULANDSHAHR	0	0	0	0	0	0	0
GAUTAM BUDDHA NAGAR	0	0	0	0	0	0	0
GHAZIABAD	0	0	0	0	0	0	1
HAPUR	0	0	0	0	0	0	0
MEERUT	0	0	0	0	0	0	0
MUZAFFARNAGAR	0	0	0	0	0	0	0
SHAMLI	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	1

Rajasthan NCR

District	15-Sep						
	2020	2021	2022	2023	2024	2025	2026
ALWAR	0	0	0	0	0	0	0
BHARATPUR	0	0	0	0	0	0	0
DEEG	0	0	0	0	0	0	0
KHAIRTHAL-TIJARA	0	0	0	0	0	0	0
KOTPUTLI-BEHROR	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

State-wise and date-wise number of paddy residue burning events detected in 2020 ,2021 ,2022, 2023, 2024, 2025 and 2026 (Period: 15 September)

Number of Paddy Residue Burning Events Detected

	Punjab							Haryana							Uttar Pradesh						
Date	2020	2021	2022	2023	2024	2025	2026	2020	2021	2022	2023	2024	2025	2026	2020	2021	2022	2023	2024	2025	2026
15-Sep	5	0	14	0	11	5	2	2	0	0	1	1	1	0	1	0	0	0	0	1	3
Total	5	0	14	0	11	5	2	2	0	0	1	1	1	0	1	0	0	0	0	1	3

Number of Paddy Residue Burning Events Detected

	Delhi							Rajasthan							Madhya Pradesh						
Date	2020	2021	2022	2023	2024	2025	2026	2020	2021	2022	2023	2024	2025	2026	2020	2021	2022	2023	2024	2025	2026
15-Sep	0	0	0	0	0	0	0	1	0	0	0	0	0	0	2	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	1	0	0	0	0	0	0	2	0	0	0	0	0	0



Number of Paddy Residue Burning Events Detected

	Uttarakhand						
Date	2020	2021	2022	2023	2024	2025	2026
15-Sep	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Details of paddy residue burning events in Punjab on 15-Sep-2026

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m ²)
1	TARN TARAN	NAUSHERA PANNUAN	S-NPP	31.37752	74.85540	13:59:35	D	4.80
2	TARN TARAN	NAUSHERA PANNUAN	S-NPP	31.37786	74.85375	13:59:35	D	5.00

Details of paddy residue burning events in Uttar Pradesh on 15-Sep-2026

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m ²)
1	GHAZIABAD	MODINAGAR	S-NPP	28.77263	77.56545	02:46:00	N	0.78
2	KANNAUJ	HASERAN	S-NPP	26.99232	79.61577	13:59:35	D	2.10
3	SONBHADRA	OBRA	S-NPP	24.45109	83.03879	01:08:00	N	0.65

The study used data received from following Satellites at NRSC Ground Station/ NASA FIRMS

S. No.	Satellite Name	Sensor	Resolution (meter)	Day / Night Passes
1.	Suomi NPP	VIIRS	375 / 750	Both
2.	Terra	MODIS	1000	Both
3.	Aqua	MODIS	1000	Both

The paddy mask for the Punjab and Haryana were provided by MNCFC, MoA&FW, Govt of India
The kharif crop mask for Delhi, Uttar Pradesh, Uttarakhand, Rajasthan and Madhya Pradesh were provided by NRSC (ISRO)

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GIS Maps of fire events can be visualized online on ICAR KRISHI Geoportal website <https://creams.iari.res.in/geokrishi/>

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