

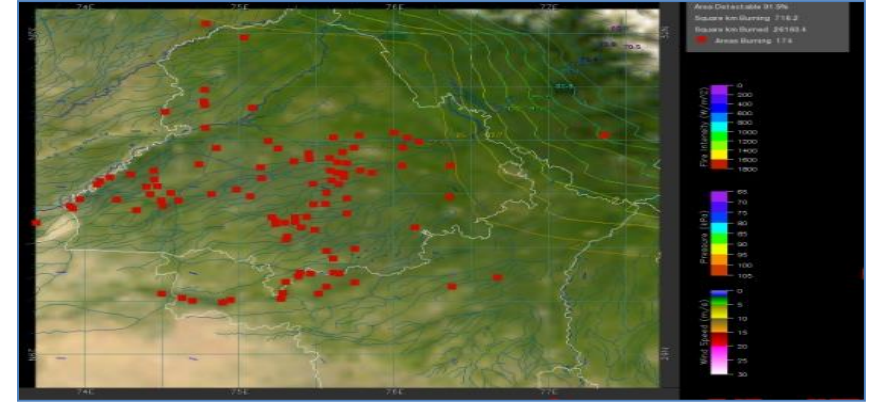
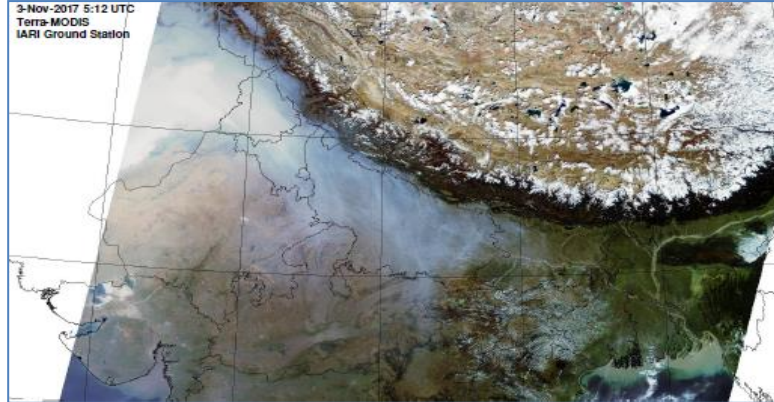


MONITORING PADDY RESIDUE BURNING IN INDIA USING SATELLITE REMOTE SENSING DURING 2025

**Bulletin
No. 43**

**Events Date:
27-Oct-2025**

**Issued on:
27-Oct-2025**



**Consortium for Research on Agroecosystem Monitoring and Modeling from Space (CREAMS)
Laboratory,**

Division of Agricultural Physics, ICAR – Indian Agricultural Research Institute, New Delhi – 110012

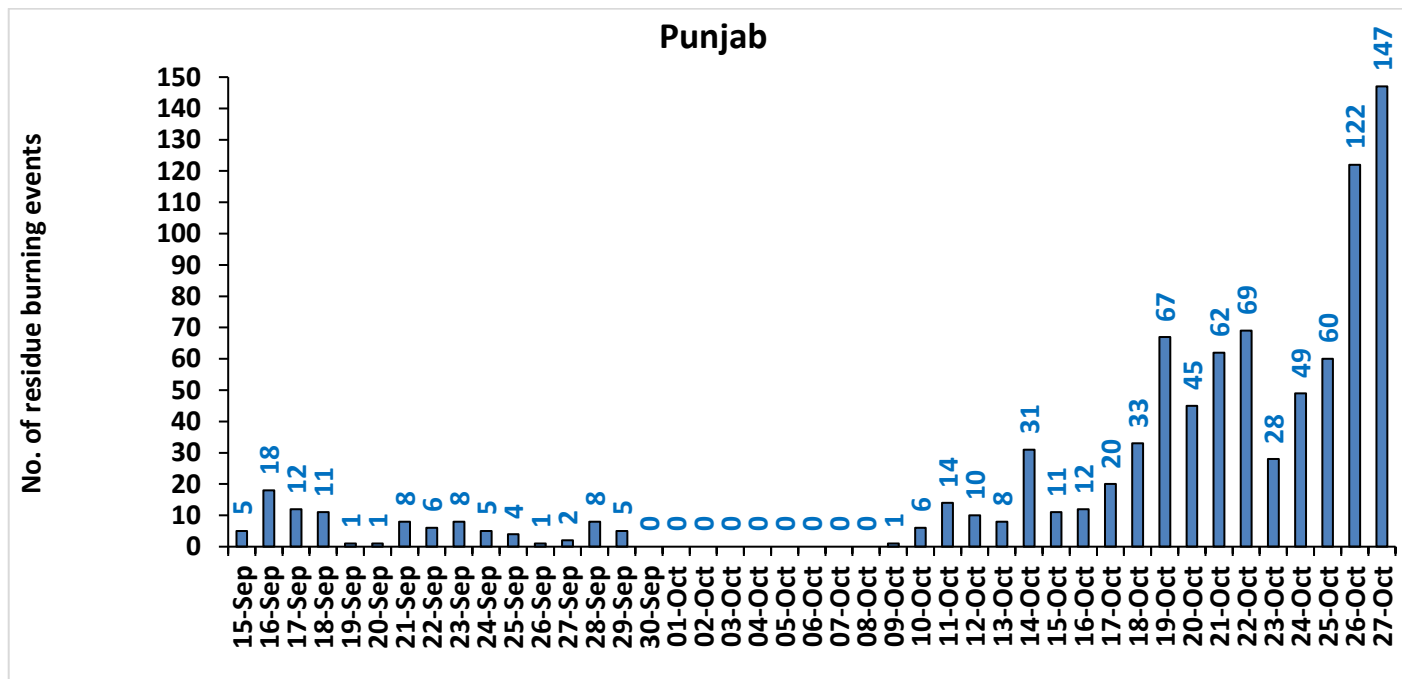
<https://creams.iari.res.in>



Highlights for 27-Oct-2025

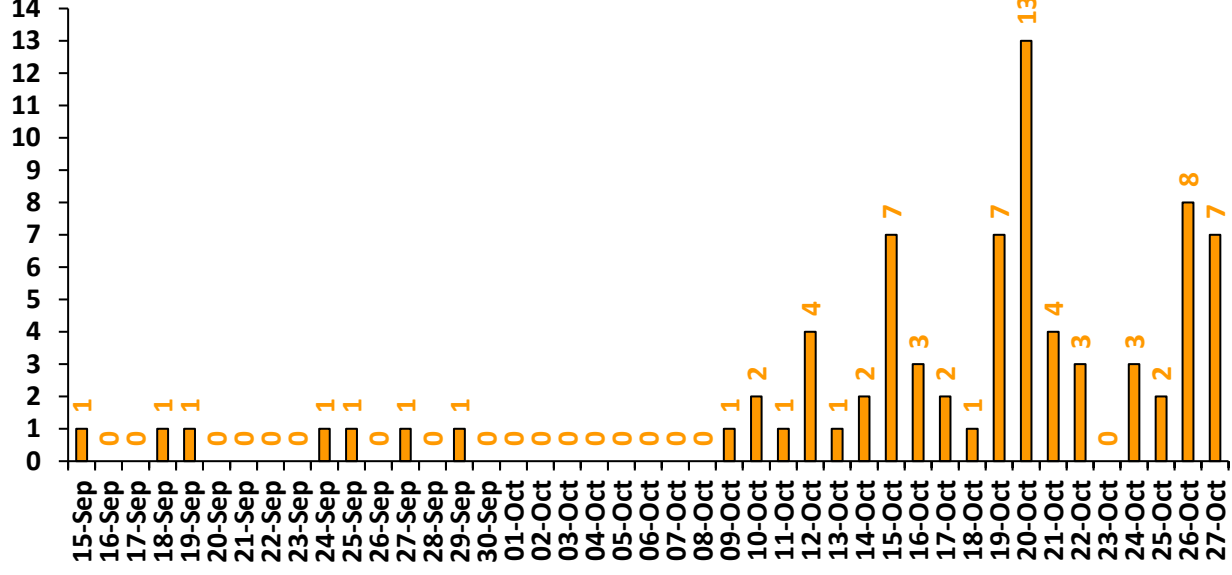
- The active fire events due to rice residue burning were monitored using satellite remote sensing, following the "Standard Protocol for Estimation of Crop Residue Burning Fire Events using Satellite Data".
- Satellites detected **189** residue burning events in the six study States on **27-Oct-2025**.
- The state wise events detected on **27-Oct-2025** were **147** in Punjab, **07** in Haryana, **04** in UP, **00** in Delhi, **29** in Rajasthan and **02** in MP.
- Total **2965** burning events were detected in the six states between **15-Sept-2025** and **27-Oct-2025**, which are distributed as **890, 78, 973, 03, 538** and **483** in Punjab, Haryana, UP, Delhi, Rajasthan and MP, respectively.
- Detection of residue burning events was hampered by the presence of clouds over Haryana, Uttar Pradesh, Rajasthan and Madhya Pradesh states.

Temporal distribution of rice residue burning events for the study States in 2025



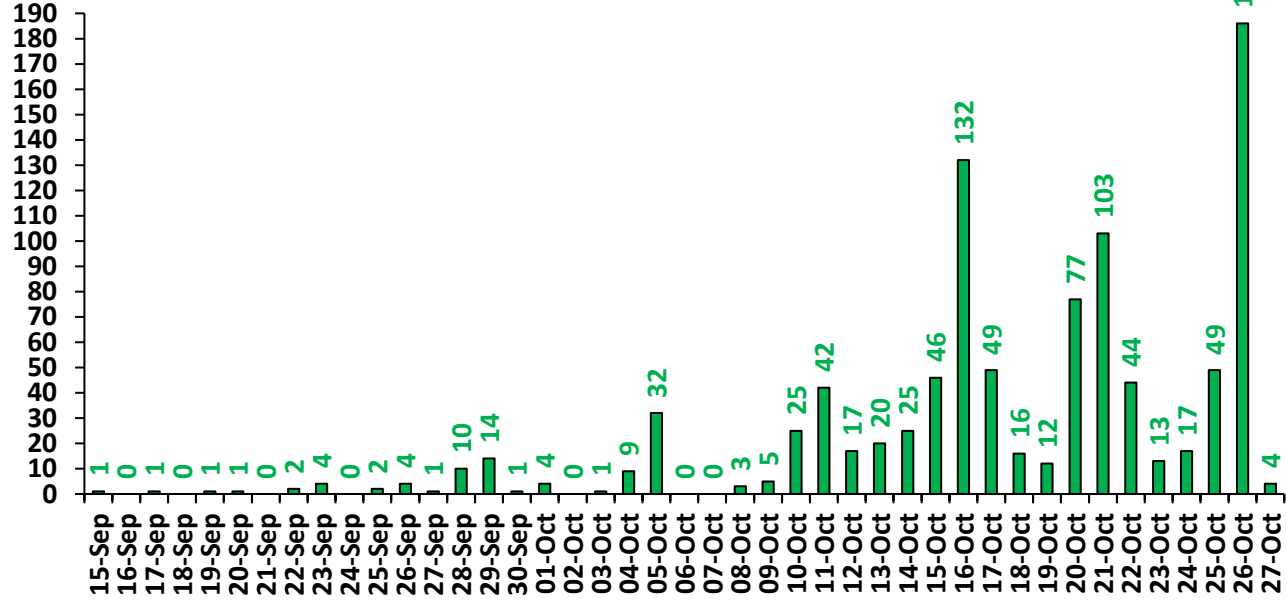
Haryana

No. of residue burning events

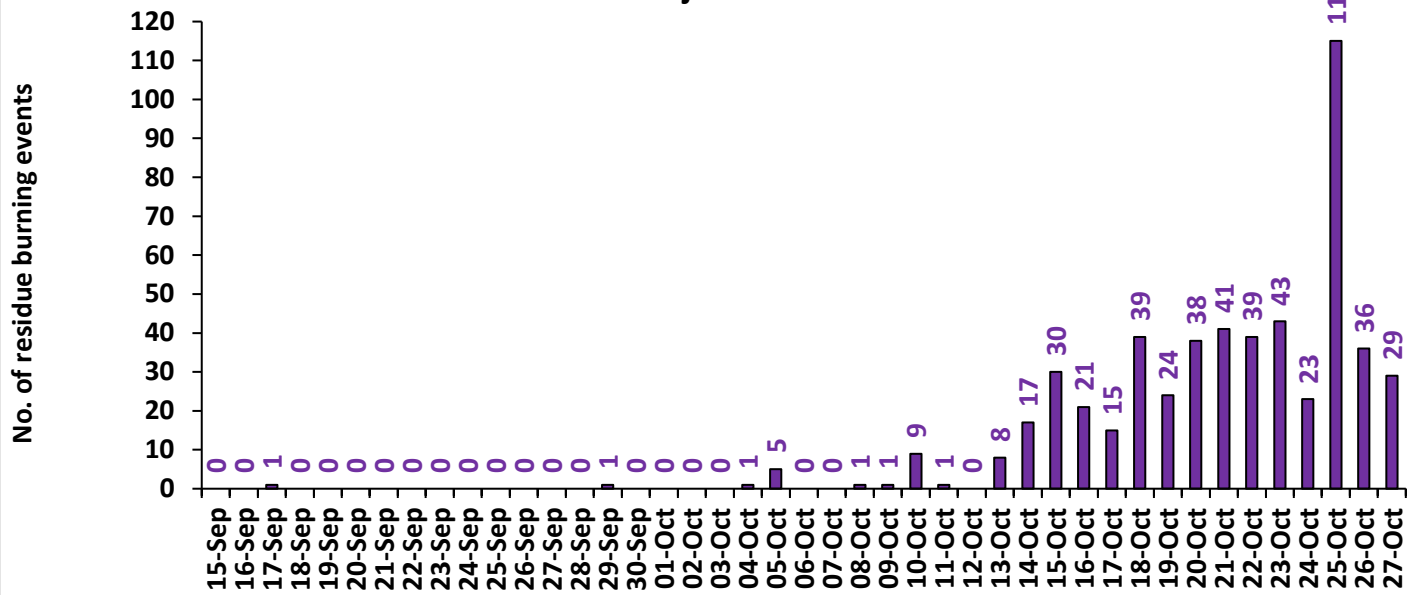


Uttar Pradesh

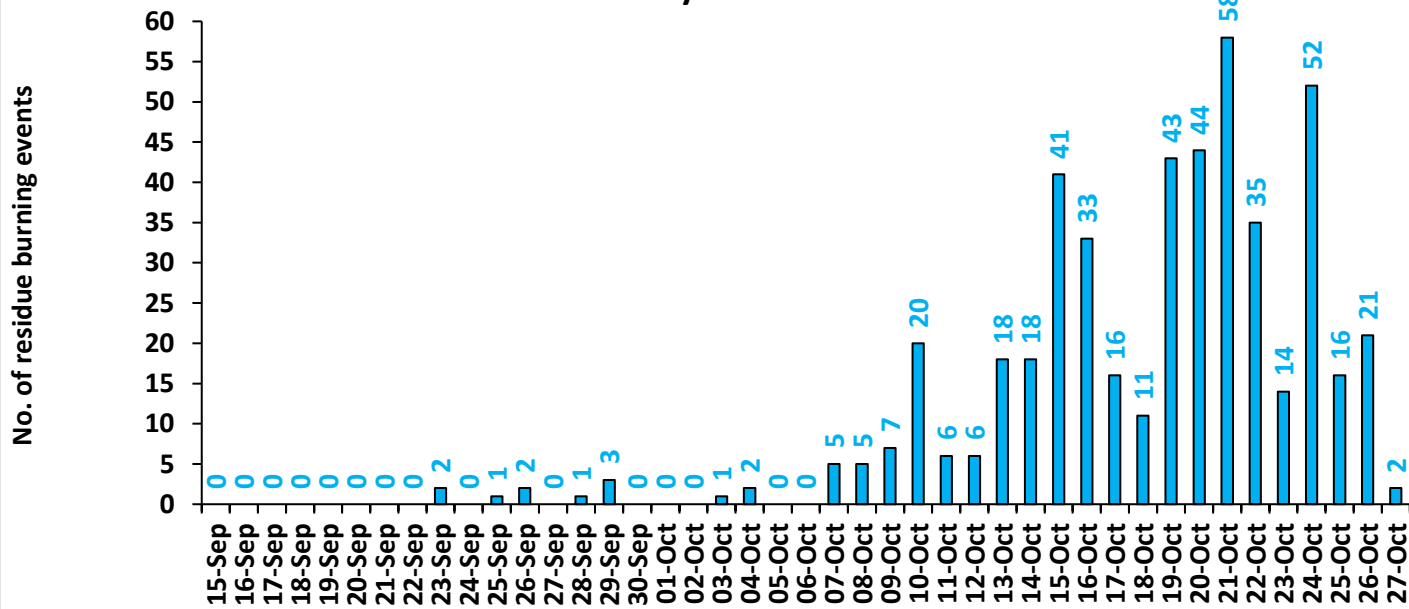
No. of residue burning events

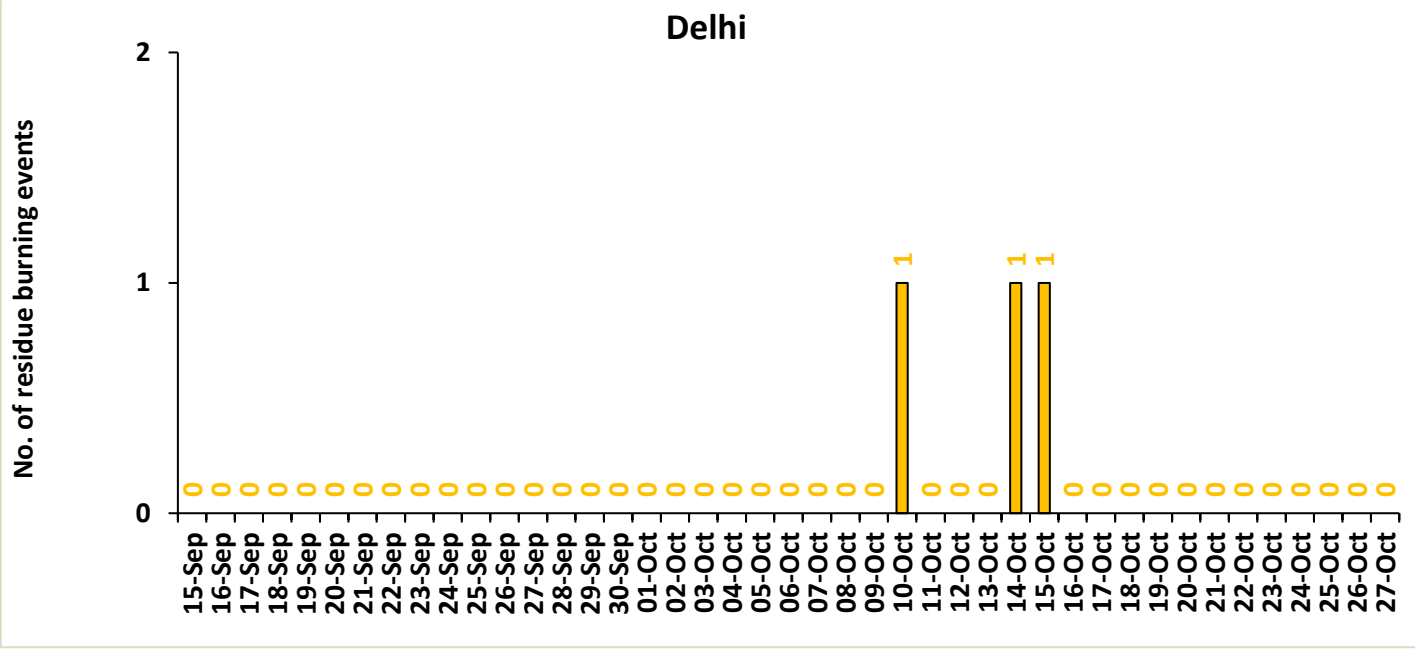


Rajasthan

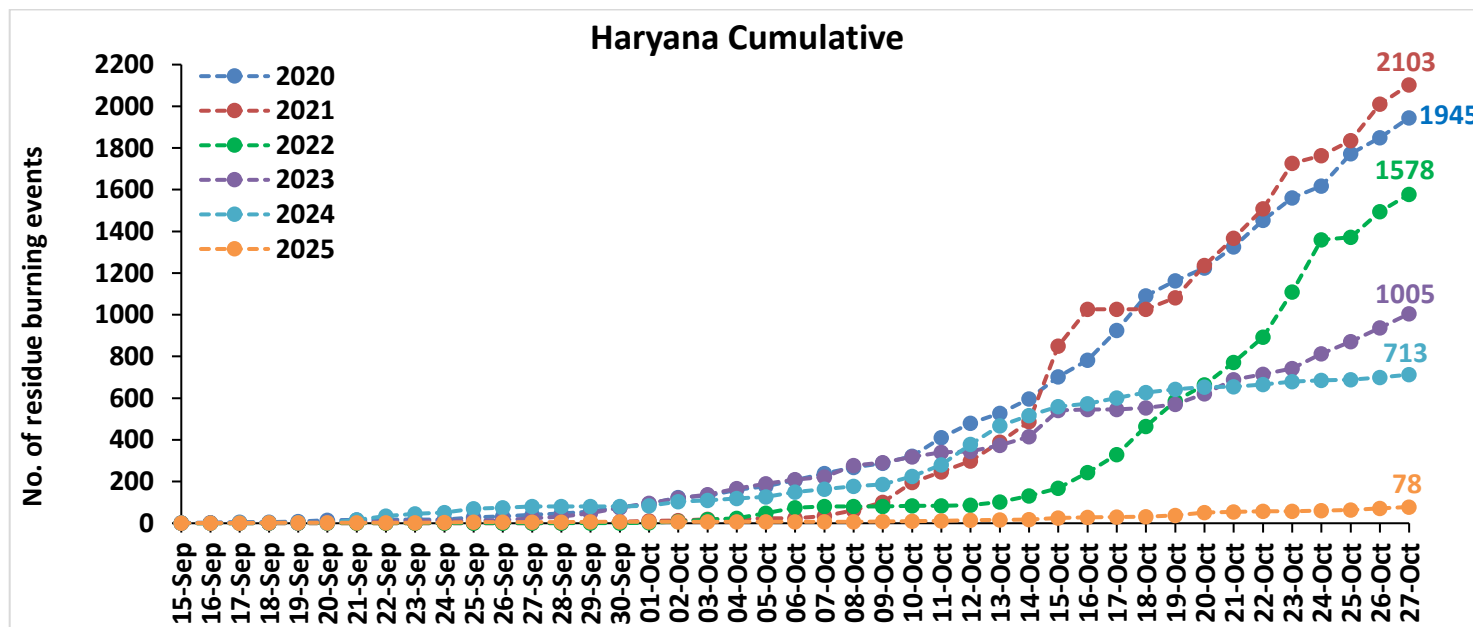
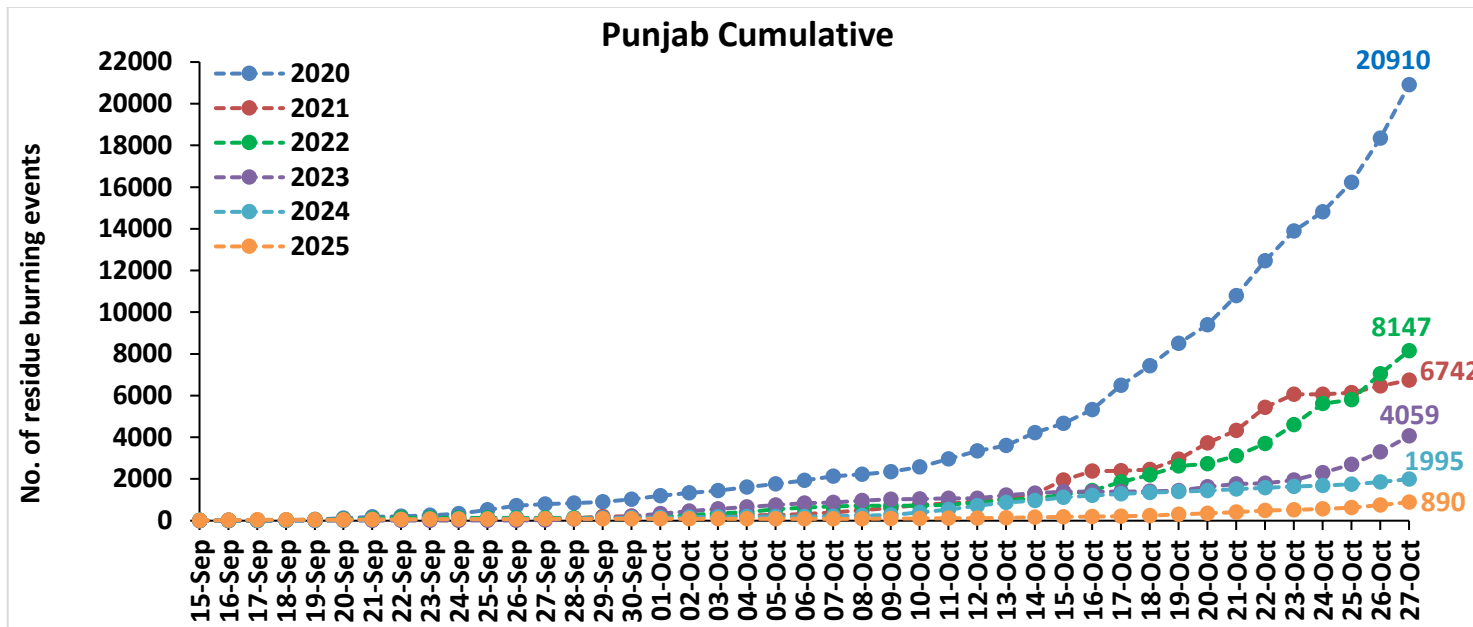


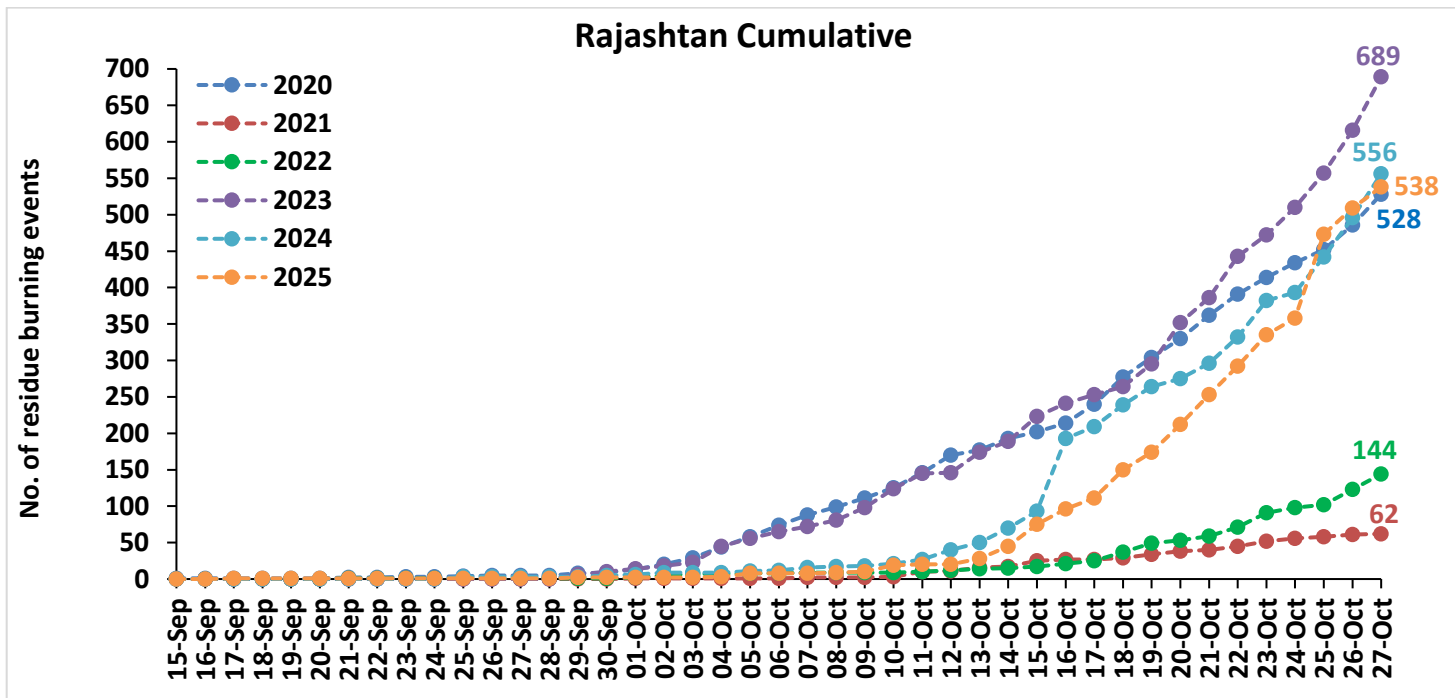
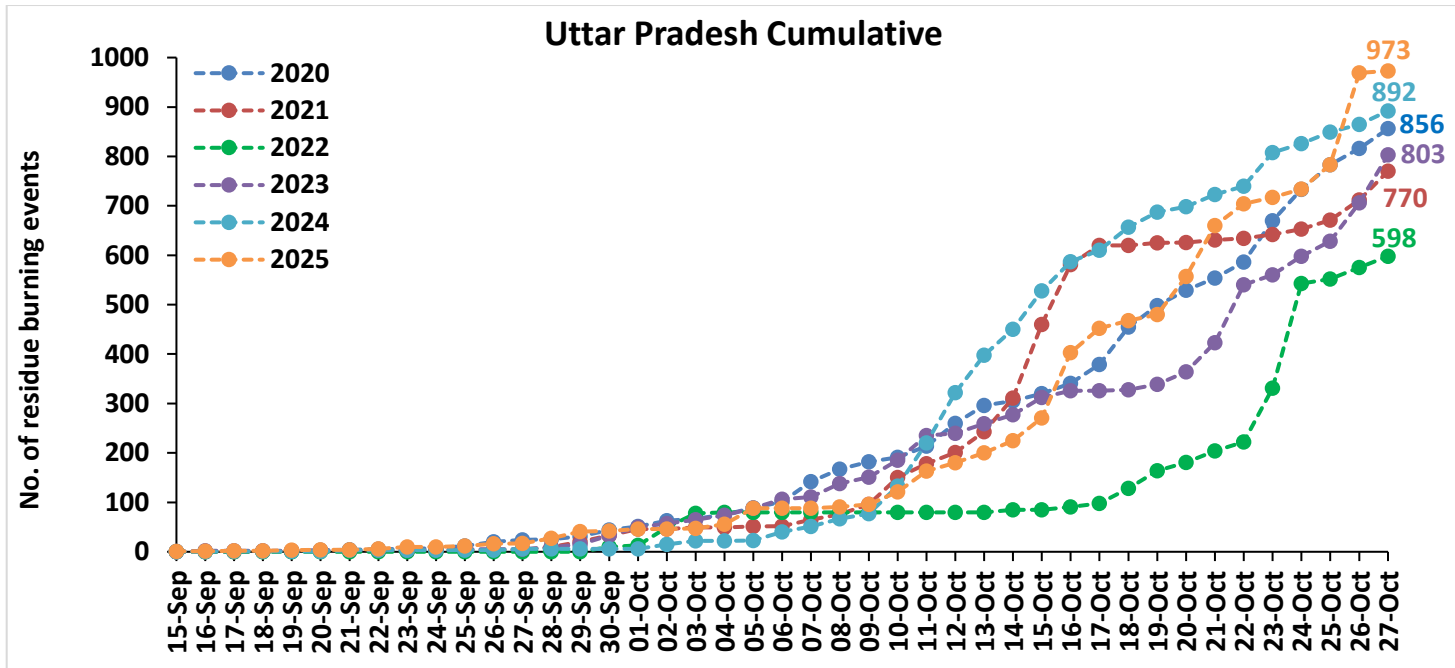
Madhya Pradesh

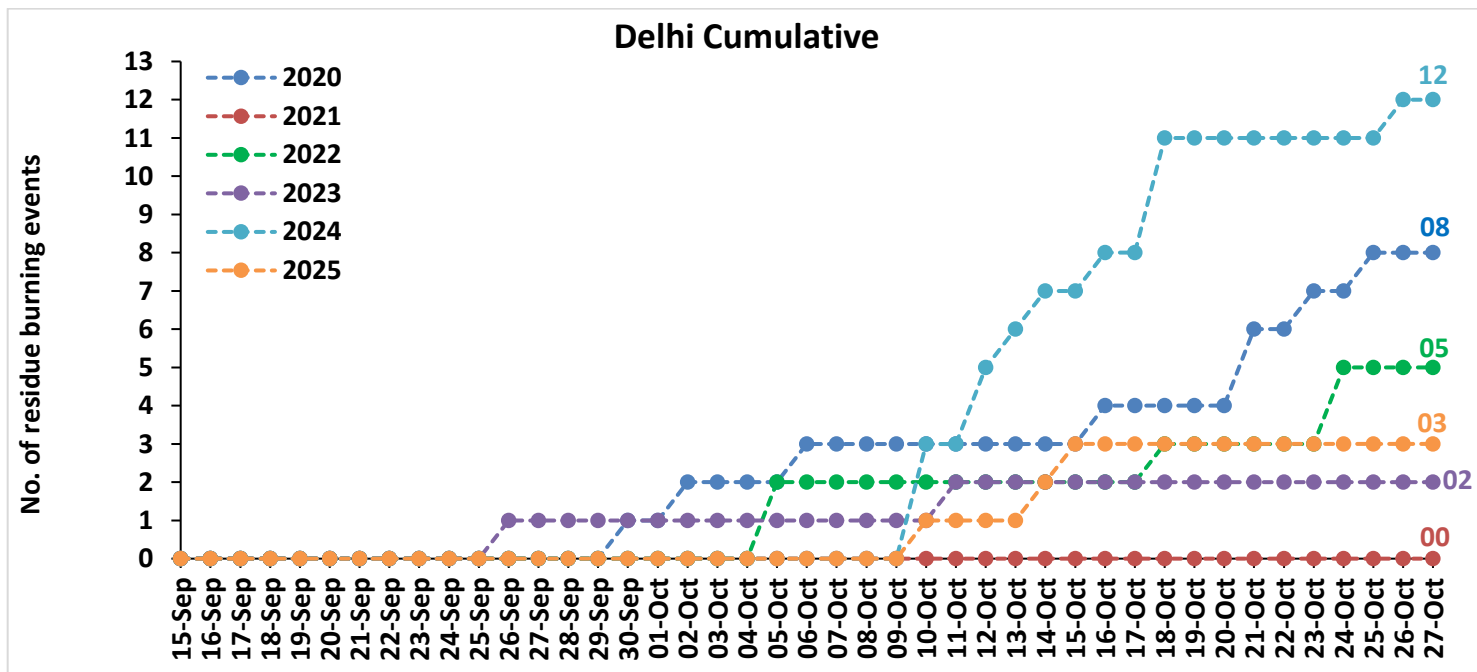
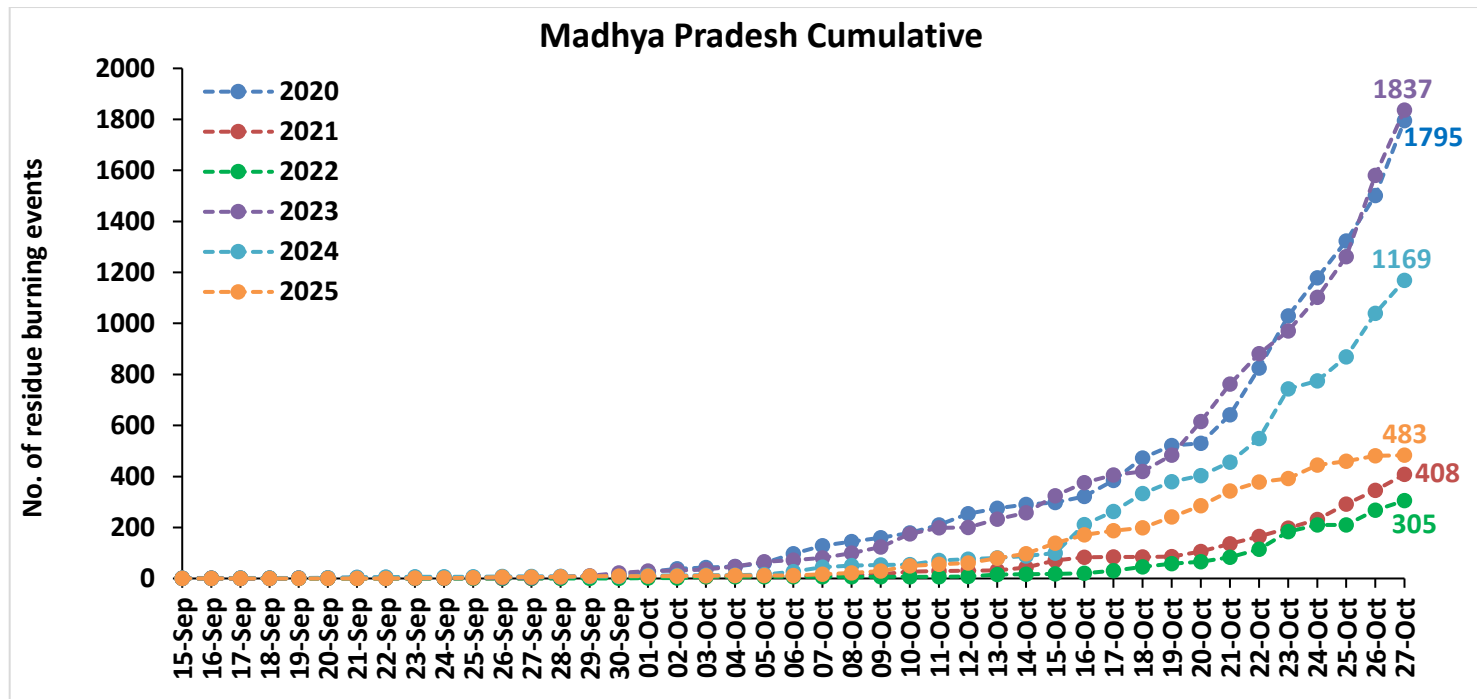




Comparison of residue burning events in current year (2025) with previous years (2020,2021,2022, 2023 and 2024) for the study States

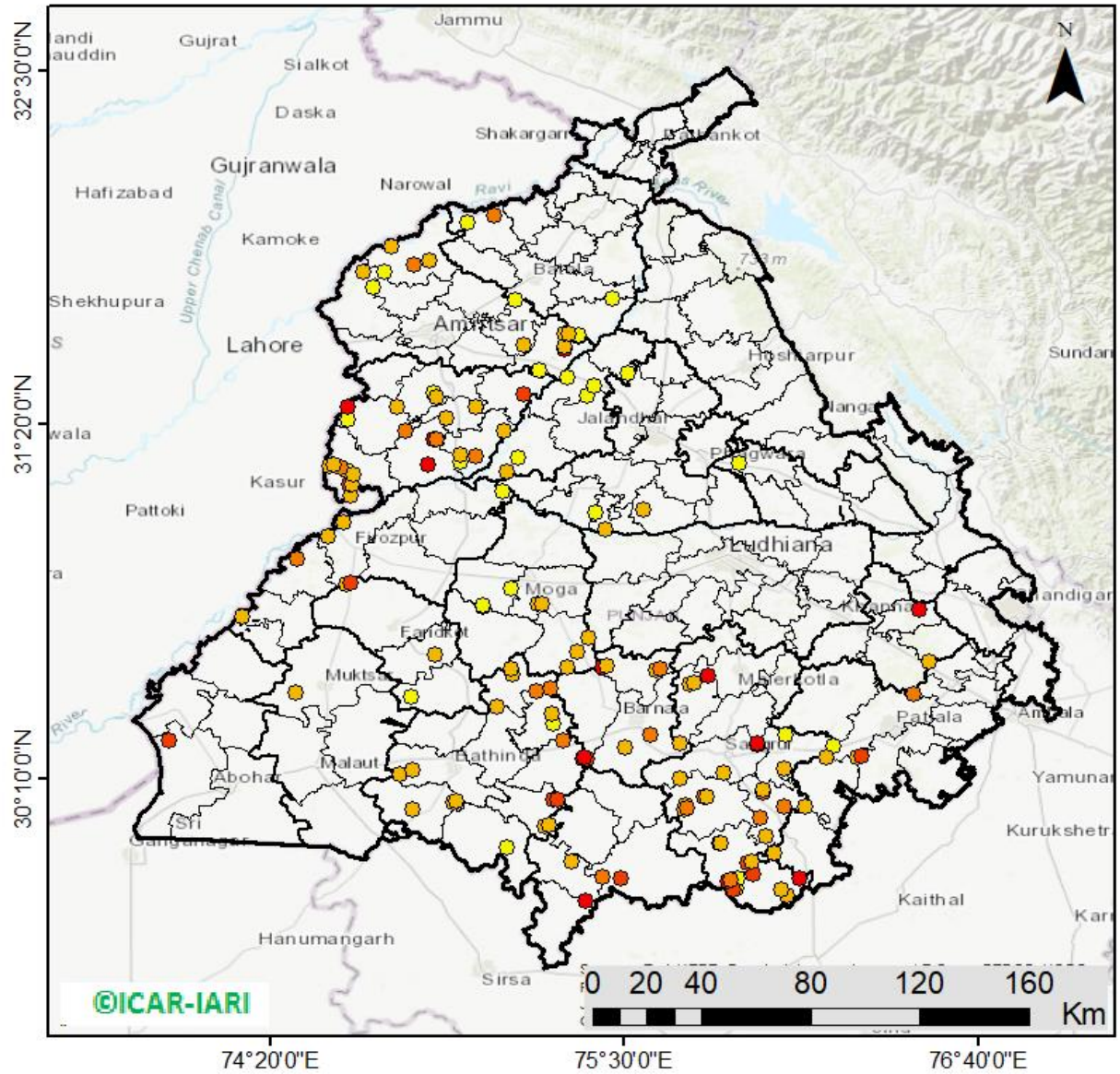






Punjab

RICE RESIDUE BURNING IN PUNJAB



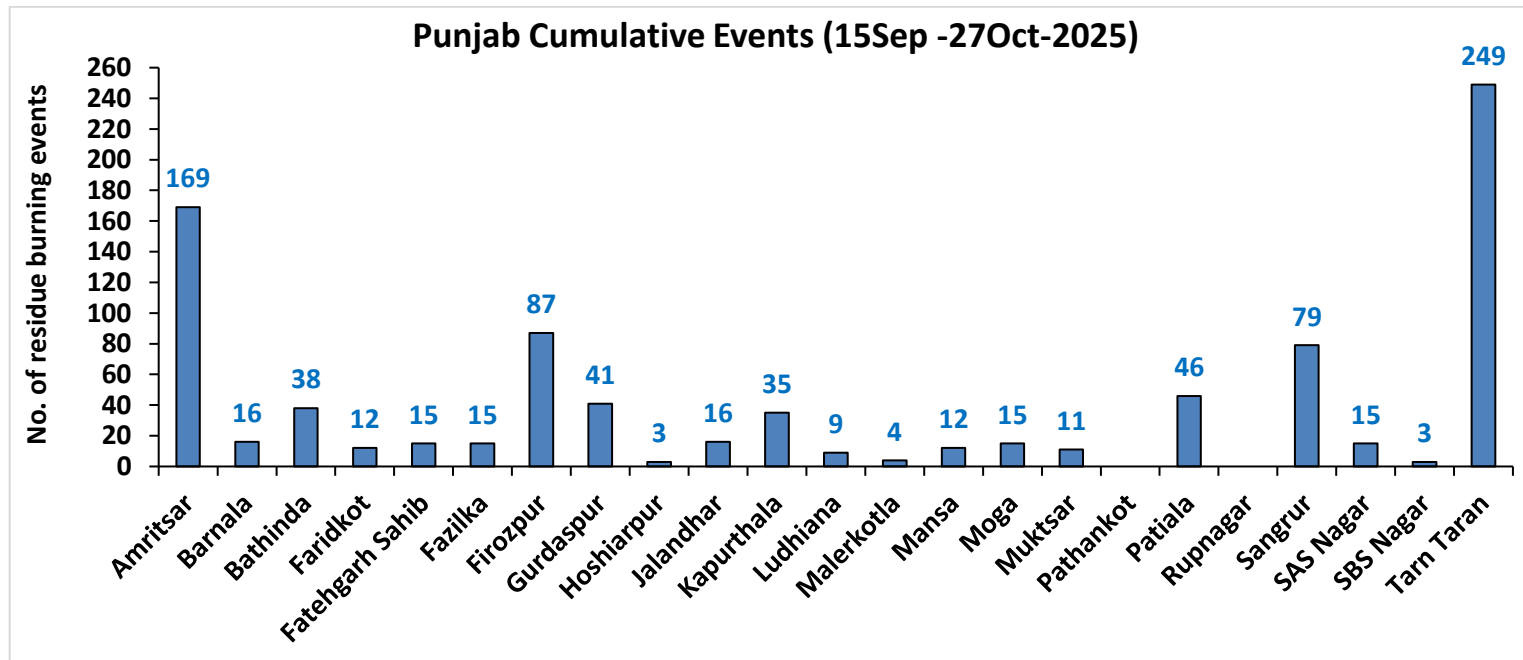
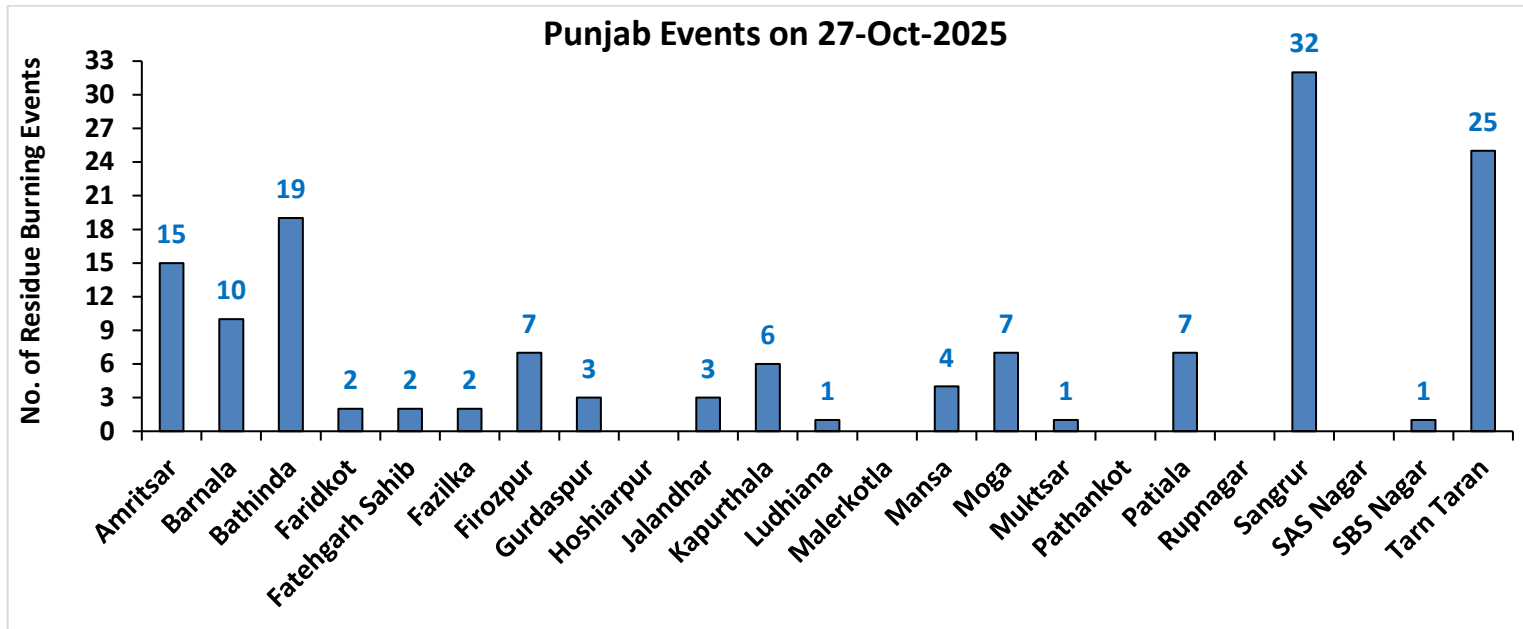
147 burning events
detected in Punjab during
(27th Oct 2025)

Fire Intensity (W/m²)

- 0 - 5
- 6 - 10
- 11 - 15
- 16 - 20
- >20

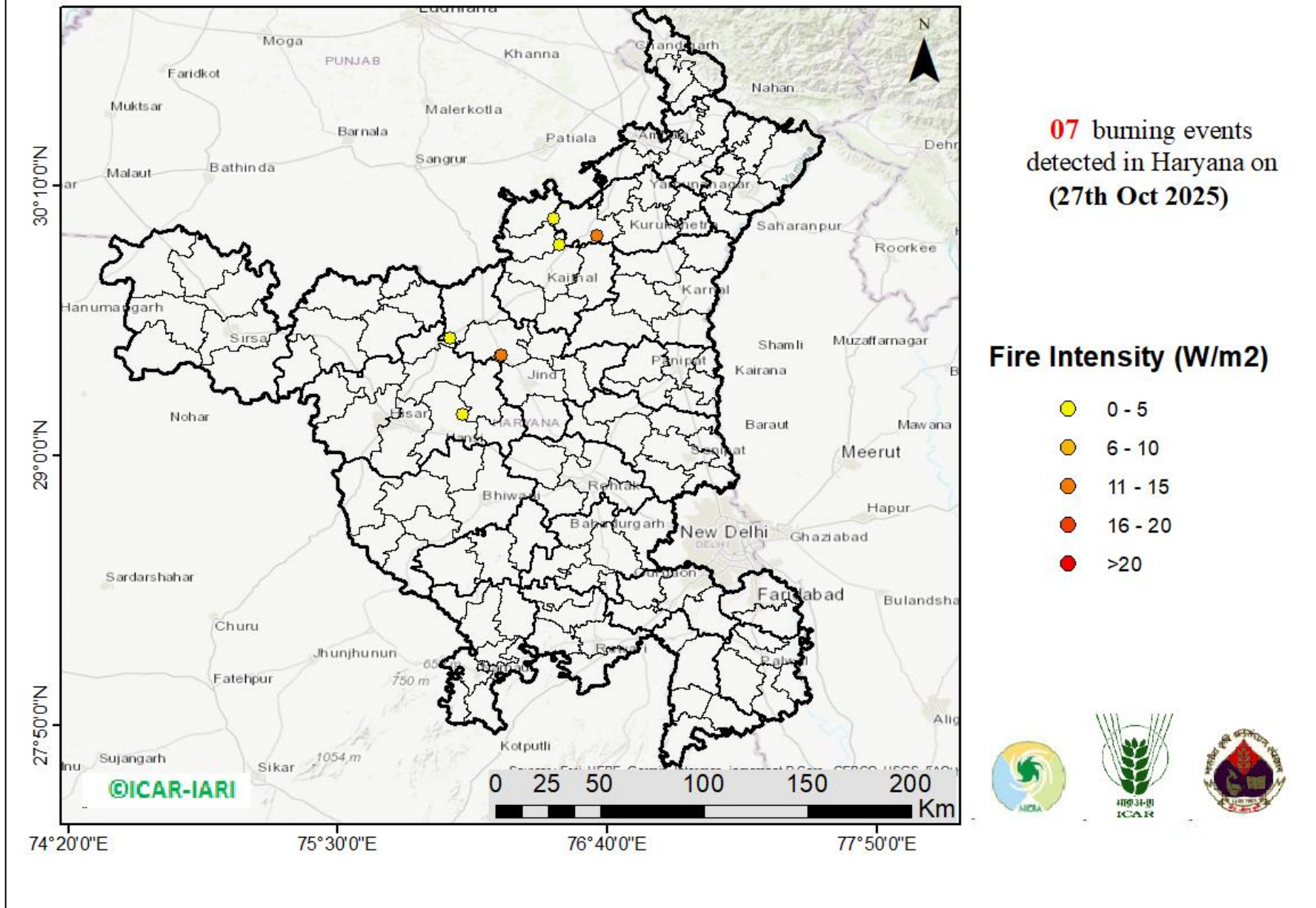


District-wise cumulative number of residues burning events in Punjab (15Sep-27Oct-2025)

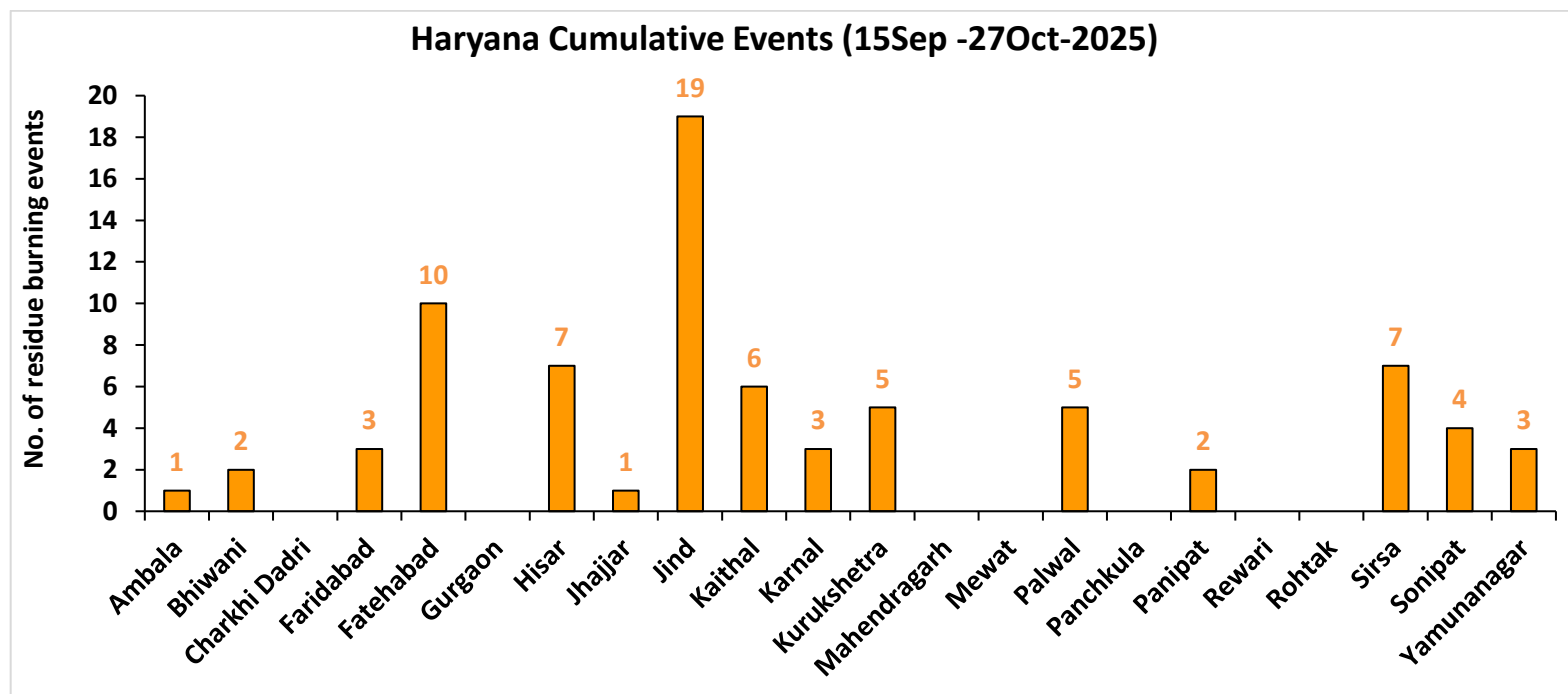
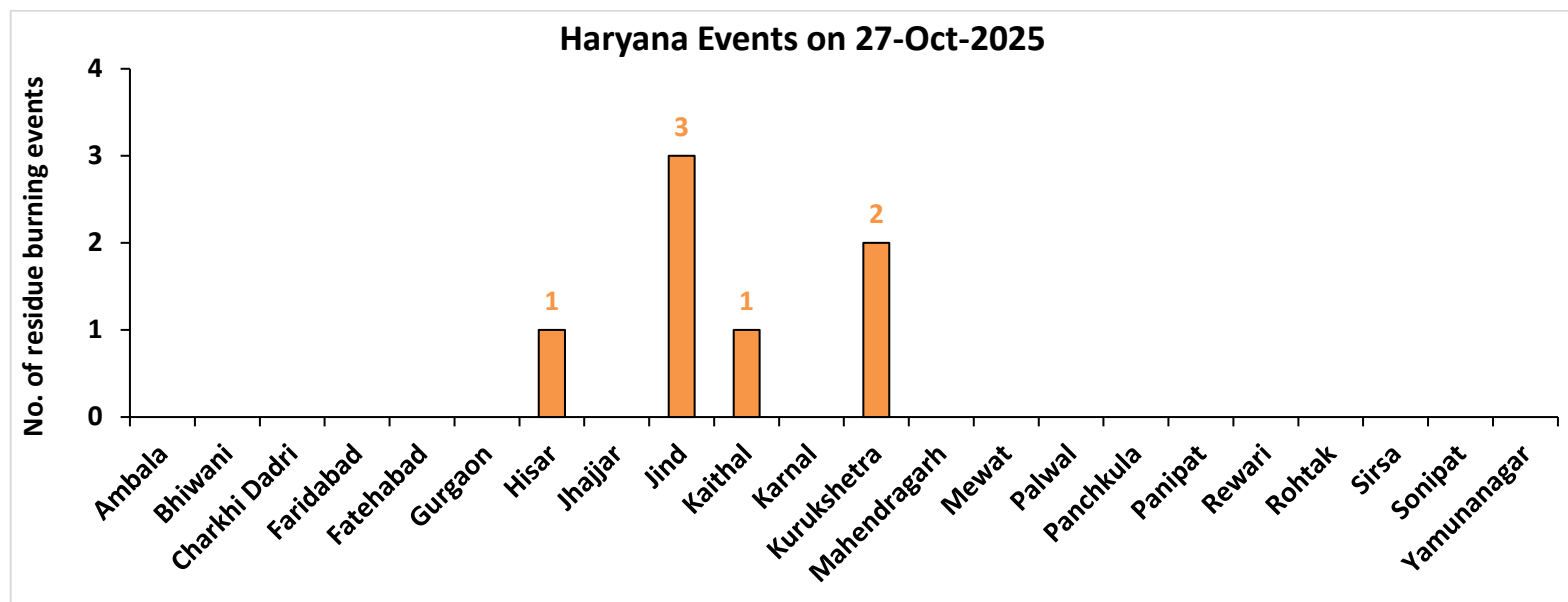


Haryana

RICE RESIDUE BURNING IN HARYANA

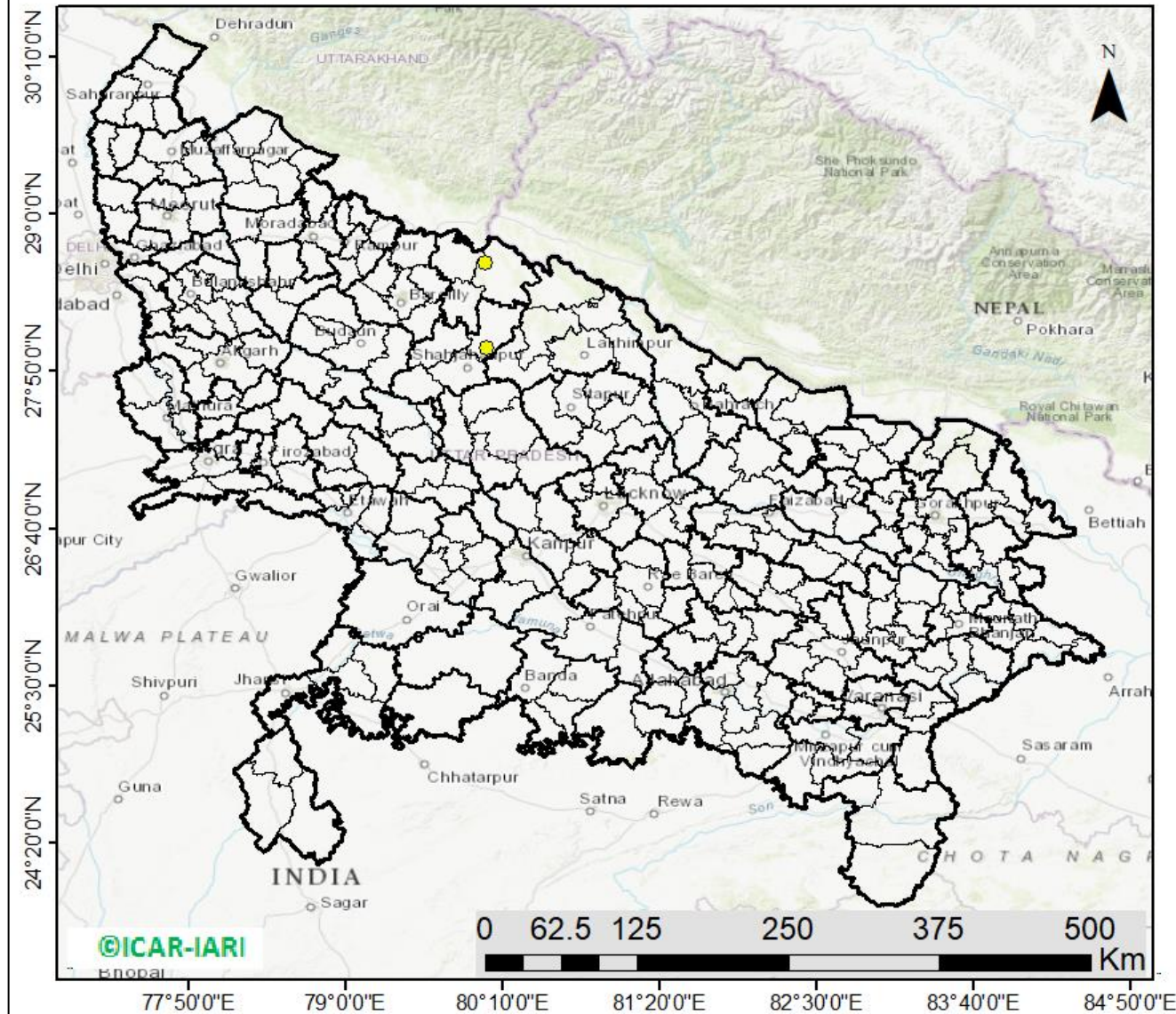


District-wise cumulative number of residues burning events in Haryana (15Sep-27Oct-2025)



Uttar Pradesh

RICE RESIDUE BURNING IN UTTAR PRADESH



04 burning events detected in Uttar Pradesh on (27th Oct 2025)

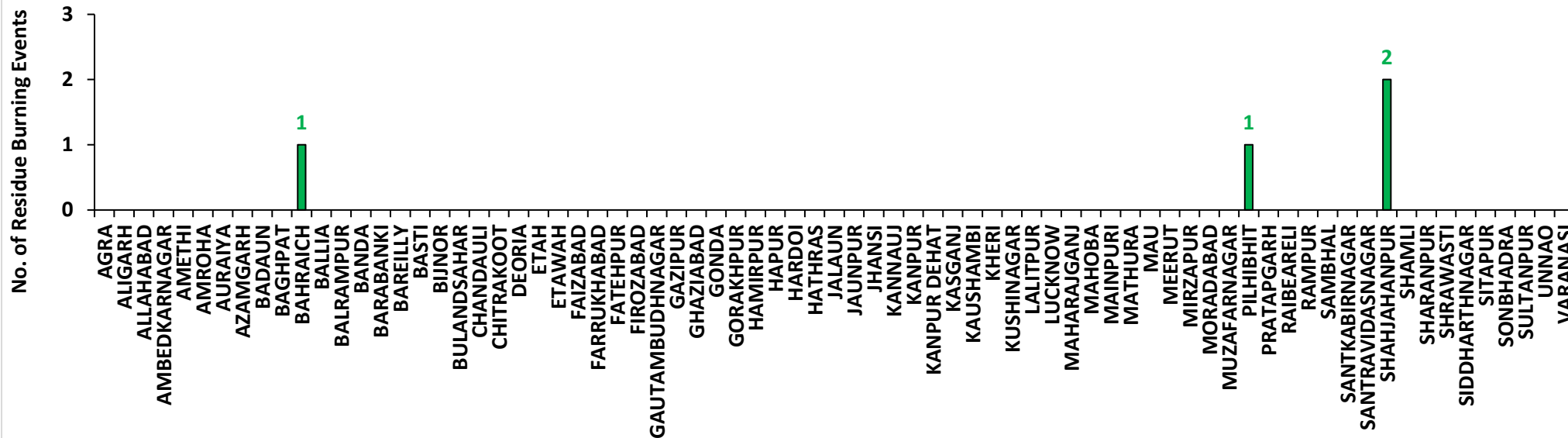
Fire Intensity (W/m²)

- 0 - 5
- 6 - 10
- 11 - 15
- 16 - 20
- >20

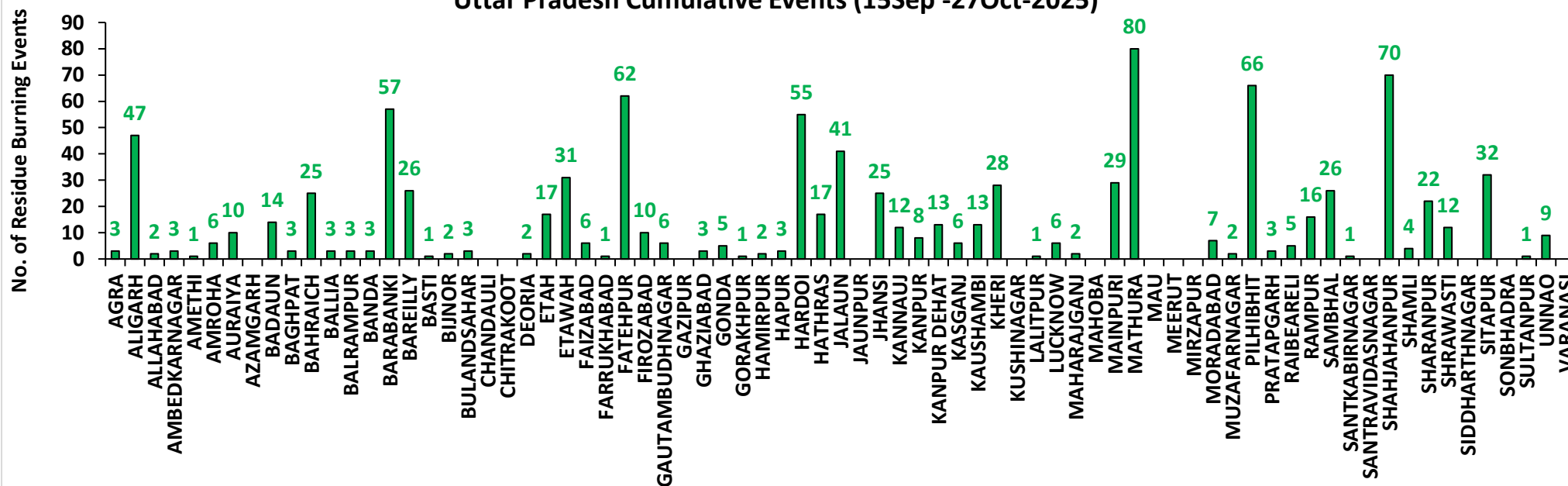


District-wise cumulative number of residues burning events in Uttar Pradesh (15Sep-27Oct-2025)

Uttar Pradesh Events on 27-Oct-2025

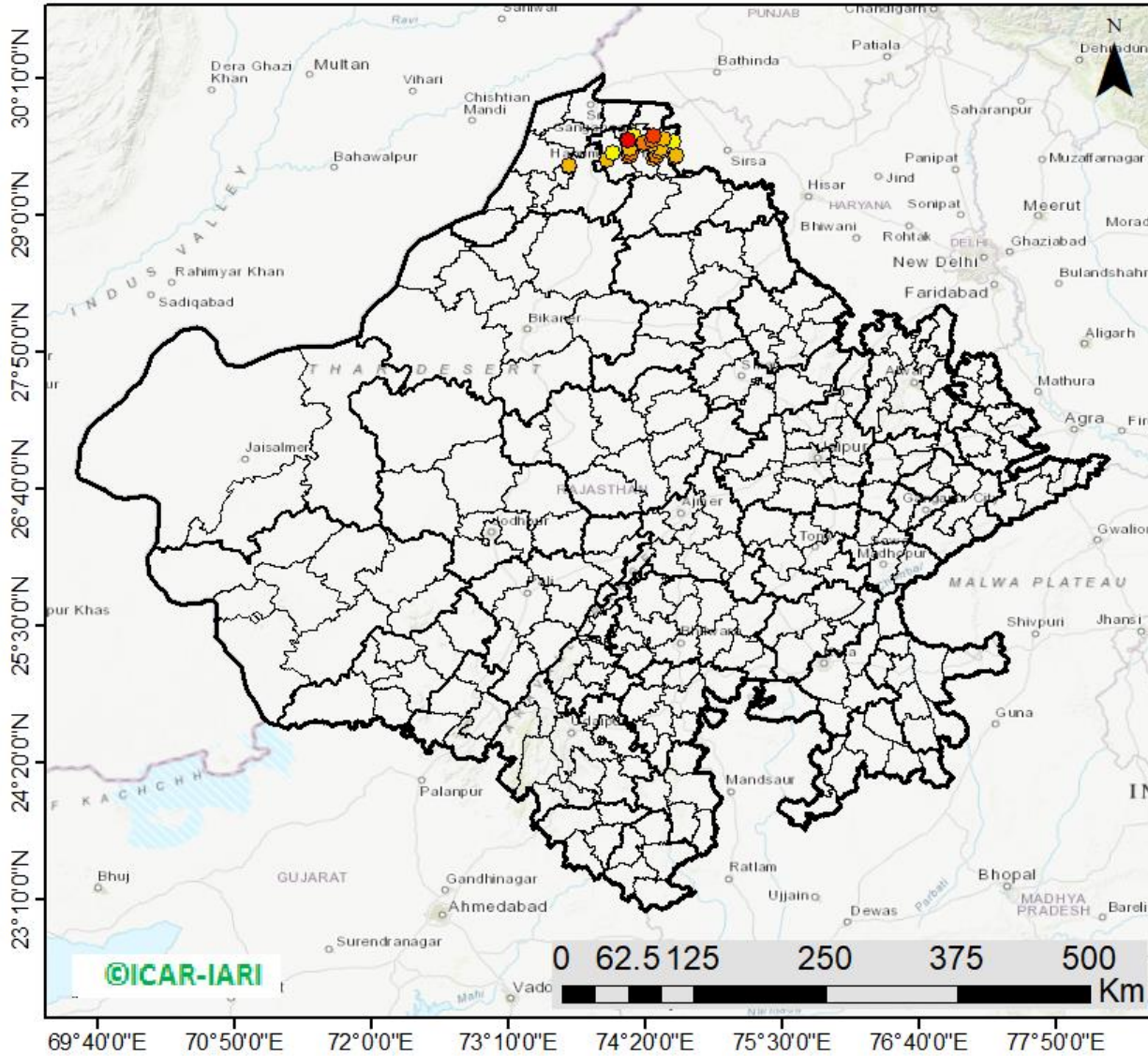


Uttar Pradesh Cumulative Events (15Sep -27Oct-2025)



Rajasthan

RICE RESIDUE BURNING IN RAJASTHAN



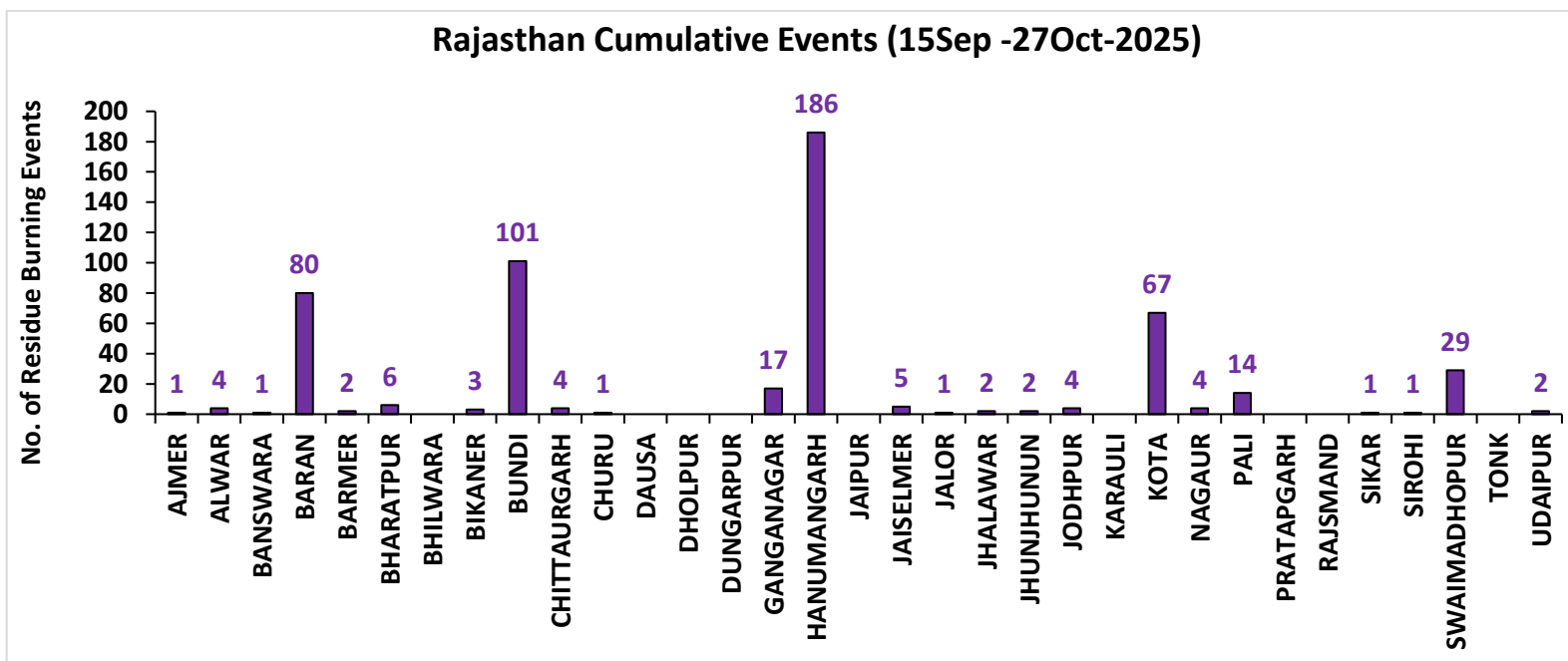
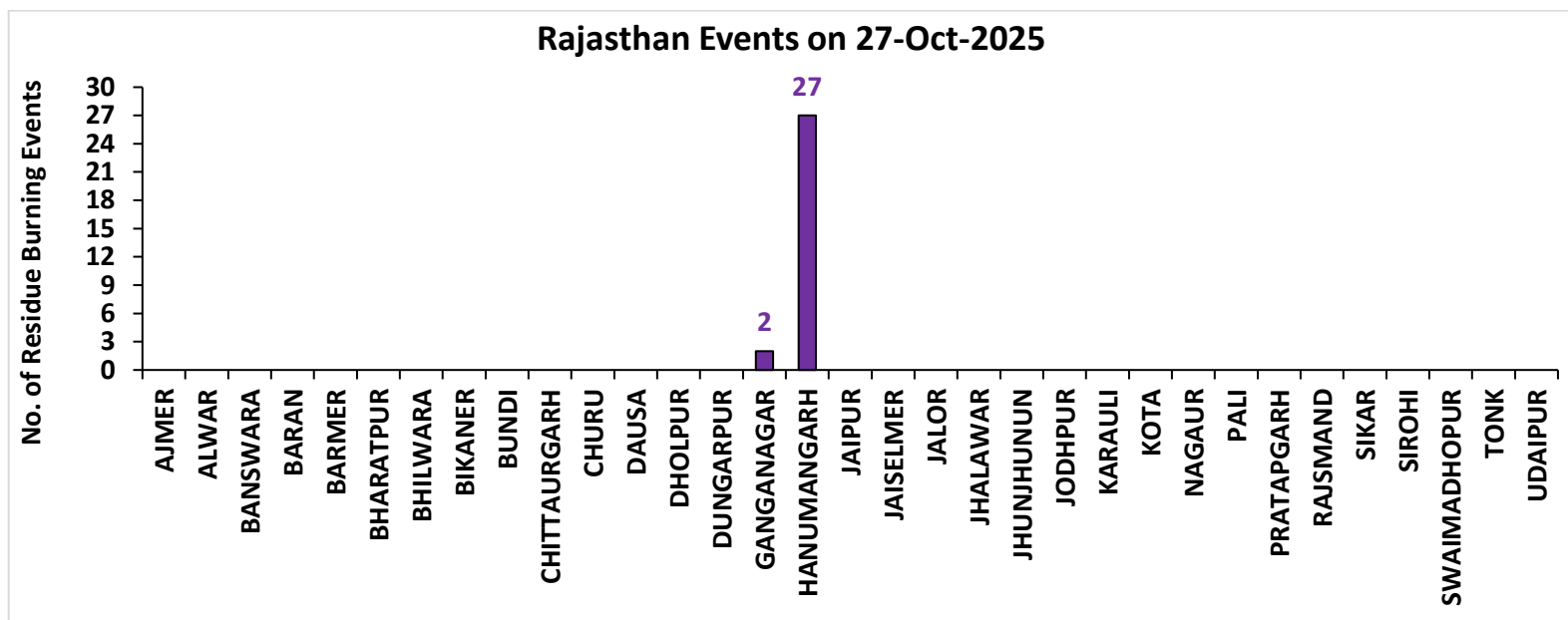
29 burning events
detected in Rajasthan on
(27th Oct 2025)

Fire Intensity (W/m²)

- 0 - 5
- 6 - 10
- 11 - 15
- 16 - 20
- >20

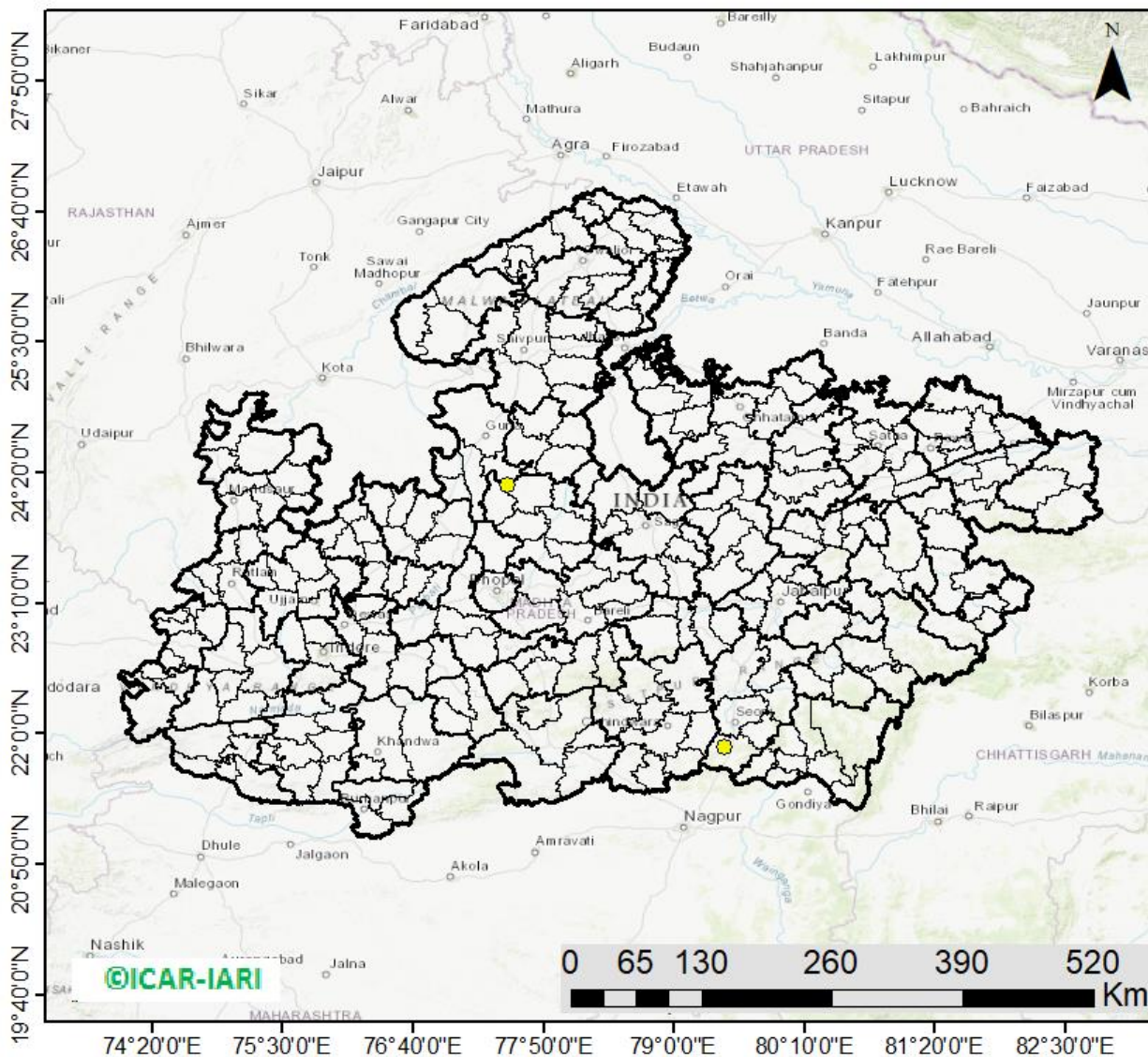


District-wise cumulative number of residues burning events in Rajasthan (15Sep-27Oct-2025)



Madhya Pradesh

RICE RESIDUE BURNING IN MADHYA PRADESH



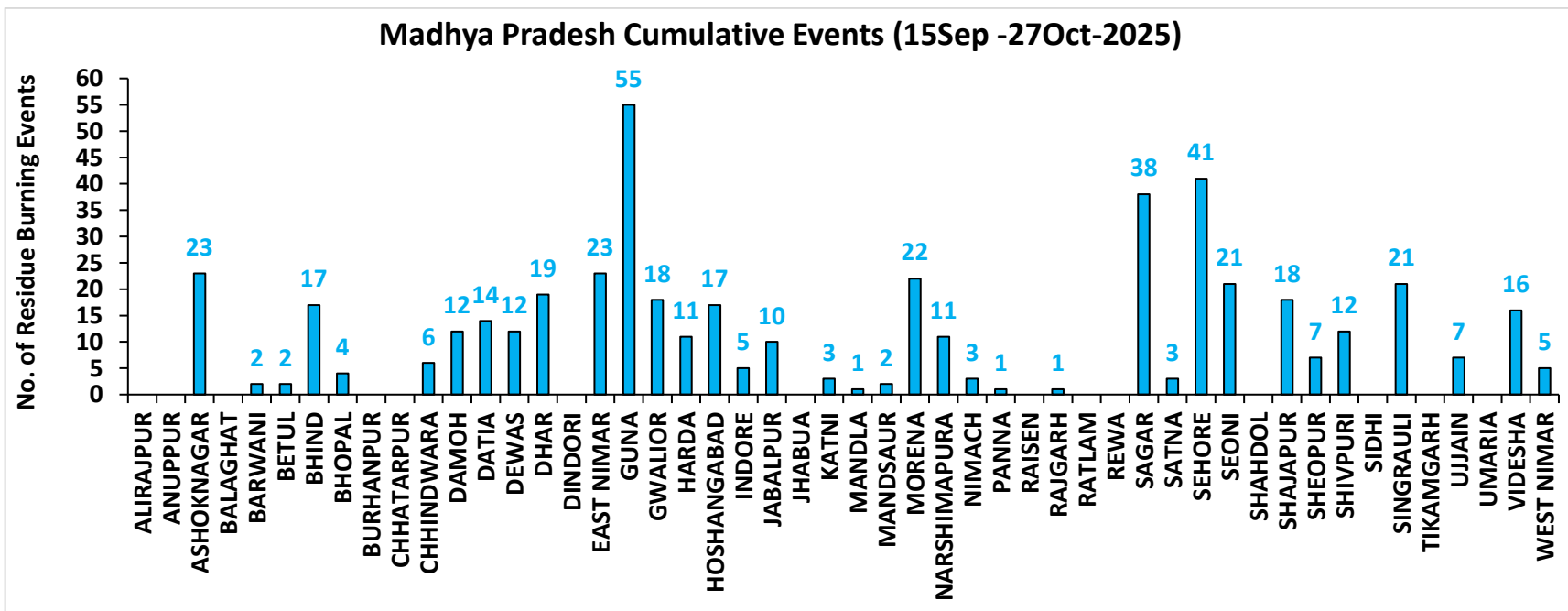
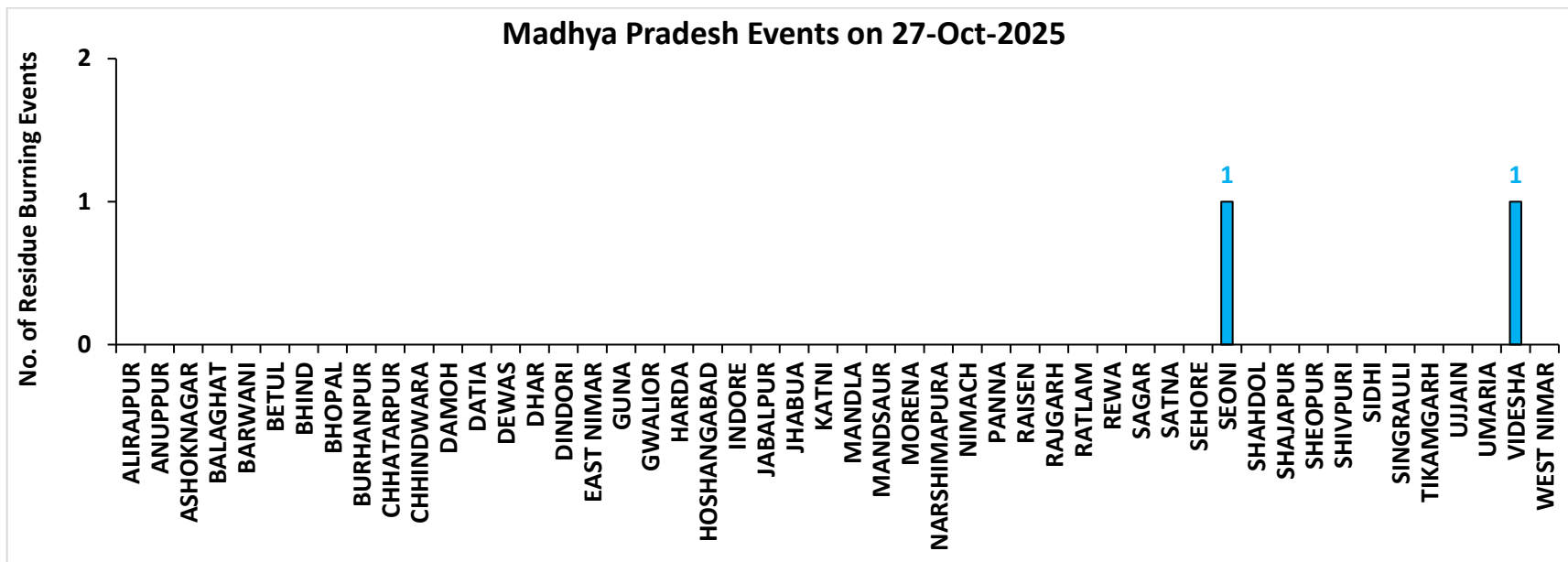
02 burning events
detected in MP on
(27th Oct 2025)

Fire Intensity (W/m²)

- 0 - 5
- 6 - 10
- 11 - 15
- 16 - 20
- >20



District-wise cumulative number of residues burning events in Madhya Pradesh (15Sep-27Oct-2025)



District-wise cumulative number of residues burning events detected in 2020, 2021, 2022, 2023, 2024 and 2025
(Period: 15 September -27 October)

(a) Punjab

District	15 Sep- 27 Oct					
	2020	2021	2022	2023	2024	2025
Amritsar	2523	966	1188	1001	480	169
Barnala	239	65	115	41	14	16
Bathinda	390	116	196	46	18	38
Faridkot	1066	392	79	59	17	12
Fatehgarh Sahib	672	286	346	197	73	15
Fazilka	302	94	87	38	24	15
Firozpur	2904	440	495	323	209	87
Gurdaspur	1585	394	661	81	57	41
Hoshiarpur	264	67	86	6	1	3
Jalandhar	544	285	394	107	25	16
Kapurthala	1083	411	550	183	86	35
Ludhiana	677	416	364	165	40	9
Malerkotla	0	0	0	18	29	4
Mansa	282	45	104	180	41	12
Moga	488	179	193	136	27	15
Muktsar	553	149	75	23	9	11
Pathankot	8	0	0	1	0	0
Patiala	1932	608	810	503	250	46
Rupnagar	91	46	74	7	4	0
Sangrur	1105	168	519	338	182	79
SAS NAGAR (Mohali)	92	55	60	100	29	15
SBS Nagar	42	34	13	16	5	3
Tarn Taran	4068	1526	1738	490	375	249
Total	20910	6742	8147	4059	1995	890

(b) Haryana

District	15 Sep- 27 Oct					
	2020	2021	2022	2023	2024	2025
AMBALA	259	111	112	137	75	1
BHIWANI	0	0	0	2	0	2
CHARKHI DADRI	0	0	0	0	0	0
FARIDABAD	1	2	1	3	34	3
FATEHABAD	152	143	191	148	42	10
GURGAON	0	0	0	0	0	0
HISAR	10	8	27	61	20	7
JHAJJAR	1	0	0	5	3	1
JIND	64	102	134	123	53	19
KAITHAL	433	586	438	135	135	6
KARNAL	456	620	230	58	75	3
KURUKSHETRA	359	373	263	119	106	5
MAHENDRAGARH	0	0	0	0	0	0
MEWAT	0	0	0	0	0	0
PALWAL	32	32	21	49	27	5
PANCHKULA	0	0	0	1	14	0
PANIPAT	14	24	24	20	28	2
REWARI	0	0	0	0	0	0
ROHTAK	5	0	0	9	11	0
SIRSA	41	20	33	19	19	7
SONIPAT	17	8	13	53	41	4
YAMUNANAGAR	101	74	91	63	30	3
Total	1945	2103	1578	1005	713	78

(c) Uttar Pradesh

District	15 Sep- 27 Oct																			
	2020	2021	2022	2023	2024	2025	GAUTAMBU DHNAGAR	6	9	7	9	24	6	MUZAFARNAGAR	3	2	1	2	7	2
AGRA	2	0	0	4	0	3	GAZIPUR	0	0	0	0	0	0	PILHIBHIT	10	113	85	76	30	66
ALIGARH	65	25	24	78	154	47	GHAZIABAD	6	2	2	12	10	3	PRATAPGARH	4	0	0	2	1	3
ALLAHABAD	0	2	2	2	1	2	GONDA	0	0	0	0	0	5	RAIBEARELI	1	0	2	3	2	5
AMBEDKARNA GAR	0	0	0	0	2	3	GORAKHPU R	1	0	0	1	1	1	RAMPUR	68	54	46	52	18	16
AMETHI	1	2	4	2	0	1	HAMIRPUR	1	0	0	0	0	2	SAMBHAL	7	7	7	13	84	26
AMROHA	2	0	0	2	4	6	HAPUR	7	2	1	0	10	3	SANTKABIRNAGAR	0	0	1	1	0	1
AURAIYA	19	9	7	12	1	10	HARDOI	21	7	8	26	18	55	SANTRAVIDASNAG AR	0	0	0	0	0	0
AZAMGARH	0	0	0	1	0	0	HATHRAS	0	0	0	2	13	17	SHAHJAHANPUR	54	195	195	40	57	70
BADAUN	2	6	0	4	21	14	JALAUN	1	0	0	0	0	41	SHAMLI	23	17	6	5	8	4
BAGHPAT	5	1	1	1	3	3	JAUNPUR	0	1	0	1	0	0	SHARANPUR	48	25	5	8	6	22
BAHRAICH	33	6	5	3	5	25	JHANSI	33	7	1	36	11	25	SHRAWASTI	11	3	0	5	2	12
BALLIA	0	0	0	0	1	3	KANNAUJ	9	2	0	1	5	12	SIDDHARTHANAGAR	0	0	0	0	1	0
BALRAMPUR	5	2	1	2	0	3	KANPUR	6	7	10	21	2	8	SITAPUR	24	16	5	7	48	32
BANDA	0	0	0	0	0	3	KANPUR DEHAT	17	2	0	24	5	13	SONBHADRA	0	0	0	0	0	0
BARABANKI	23	24	22	45	68	57	KASGANJ	2	2	0	2	1	6	SULTANPUR	1	0	0	1	0	1
BAREILLY	25	18	11	26	16	26	KAUSHAMBI	18	8	3	21	3	13	UNNAO	7	1	0	13	8	9
BASTI	3	1	0	1	1	1	KHERI	55	65	67	9	19	28	VARANASI	1	0	0	0	0	0
BIJNOR	8	5	2	6	4	2	KUSHINAGA R	0	0	0	0	0	0	Total	856	770	598	803	892	973
BULANDSAHAR	19	2	7	6	28	3	LALITPUR	0	1	3	2	0	1							
CHANDAULI	0	0	0	0	0	0	LUCKNOW	4	5	1	4	5	6							
CHITRAKOOT	0	1	2	3	0	0	MAHARAJG ANJ	0	0	1	2	1	2							
DEORIA	1	0	0	2	0	2	MAHOBA	12	0	0	0	0	0							
ETAH	12	6	1	12	10	17	MAINPURI	15	8	11	22	18	29							
ETAWAH	10	8	6	41	11	31	MATHURA	70	61	11	83	80	80							
FAIZABAD	3	0	0	3	4	6	MAU	0	0	0	0	0	0							
FARRUKHABAD	1	0	0	1	0	1	MEERUT	16	4	4	3	9	0							
FATEHPUR	29	13	18	28	22	62	MIRZAPUR	6	5	2	0	2	0							
FIROZABAD	12	5	0	5	6	10	MORADABA D	8	3	0	4	21	7							

(d) Delhi

District	15 Sep- 27 Oct					
	2020	2021	2022	2023	2024	2025
CENTRAL	0	0	0	0	0	0
EAST	0	0	0	0	0	0
NEW DELHI	0	0	0	0	0	0
NORTH	2	0	5	2	8	3
NORTH EAST	0	0	0	0	0	0
NORTH WEST DELHI	3	0	0	0	4	0
SHAHADRA	0	0	0	0	0	0
SOUTH	1	0	0	0	0	0
SOUTH EAST	0	0	0	0	0	0
SOUTH WEST DELHI	0	0	0	0	0	0
WEST DELHI	2	0	0	0	0	0
Total	8	0	5	2	12	3

(e) Rajasthan

District	15 Sep- 27 Oct					
	2020	2021	2022	2023	2024	2025
AJMER	2	0	0	0	0	1
ALWAR	4	0	0	0	0	4
BANSWARA	0	0	0	0	0	1
BARAN	115	0	20	259	176	80
BARMER	2	0	0	0	0	2
BHARATPUR	2	0	0	2	7	6
BHILWARA	4	0	0	0	0	0
BIKANER	1	0	0	0	0	3
BUNDI	34	3	54	131	103	101
CHITTAURGARH	0	3	2	8	2	4
CHURU	0	0	0	0	0	1
DAUSA	0	0	0	0	0	0
DHOLPUR	0	0	0	0	0	0
DUNGARPUR	0	0	0	0	0	0
GANGANAGAR	9	2	6	15	21	17
HANUMANGARH	257	51	25	78	139	186
JAIPUR	2	0	0	0	0	0
JAISELMER	2	0	0	0	0	5
JALOR	0	0	0	0	0	1
JHALAWAR	1	0	2	8	1	2
JHUNJHUNUN	1	0	0	0	0	2
JODHPUR	2	0	0	0	0	4
KARALI	1	0	0	0	0	0
KOTA	57	3	28	144	70	67
NAGOUR	0	0	0	0	0	4
PALI	2	0	0	0	0	14
PRATAPGARH	5	0	0	0	0	0
RAJSMAND	0	0	0	0	0	0
SIKAR	0	0	0	0	0	1
SIROHI	1	0	0	0	0	1
SWAIMADHOPUR	21	0	7	44	37	29
TONK	3	0	0	0	0	0
UDAIPUR	0	0	0	0	0	2
Total	528	62	144	689	556	538

(f) Madhya Pradesh

District	15 Sep- 27 Oct													
	2020	2021	2022	2023	2024	2025	PANNA	11	1	0	3	6	1	
ALIRAJPUR	0	0	0	0	0	0	RAISEN	101	5	9	44	11	0	
ANUPPUR	0	0	0	0	0	0	RAJGARH	9	1	3	9	1	1	
ASHOKNAGAR	55	1	9	109	183	23	RATLAM	0	0	0	1	0	0	
BALAGHAT	0	0	0	0	0	0	REWA	24	2	1	1	0	0	
BARWANI	0	0	0	0	1	2	SAGAR	21	17	15	47	42	38	
BETUL	5	3	1	5	5	2	SATNA	56	12	2	15	8	3	
BHIND	25	1	9	44	28	17	SEHORE	34	16	31	47	13	41	
BHOPAL	17	5	5	18	4	4	SEONI	244	150	36	114	29	21	
BURHANPUR	0	0	0	3	0	0	SHAHDOL	0	0	0	1	1	0	
CHHATARPUR	4	0	0	3	2	0	SHAJAPUR	7	0	0	10	12	18	
CHHINDWARA	20	12	6	20	2	6	SHEOPUR	84	2	11	267	6	7	
DAMOH	45	17	13	28	24	12	SHIVPURI	34	2	11	51	97	12	
DATIA	175	10	16	198	57	14	SIDHI	0	0	0	0	0	0	
DEWAS	3	0	0	8	4	12	SINGRAULI	0	0	1	0	6	21	
DHAR	26	0	0	28	11	19	TIKAMGARH	1	0	0	3	0	0	
DINDORI	0	0	0	1	0	0	UJJAIN	5	0	0	14	7	7	
EAST NIMAR	11	5	4	4	2	23	UMARIA	0	0	0	0	0	0	
GUNA	34	2	22	275	380	55	VIDESHA	84	15	19	63	55	16	
GWALIOR	214	4	4	53	11	18	WEST NIMAR	24	1	2	16	4	5	
HARDA	12	18	7	25	7	11	Total	1795	408	305	1837	1169	483	
HOSHANGABAD	248	61	38	172	31	17								
INDORE	2	0	0	12	12	5								
JABALPUR	54	16	12	47	36	10								
JHABUA	0	0	0	0	0	0								
KATNI	29	1	0	8	2	3								
MANDLA	6	6	0	3	1	1								
MANDSAUR	4	0	0	2	13	2								
MORENA	36	5	3	37	28	22								
NARSHIMAPURA	31	17	15	28	26	11								
NIMACH	0	0	0	0	1	3								

State-wise and date-wise number of paddy residue burning events detected in 2020 ,2021 ,2022, 2023, 2024 and 2025

(Period: 15 September -27 October)

Number of Paddy Residue Burning Events Detected

Date	Punjab						Haryana						Uttar Pradesh					
	2020	2021	2022	2023	2024	2025	2020	2021	2022	2023	2024	2025	2020	2021	2022	2023	2024	2025
15-Sep	5	0	14	0	11	5	2	0	0	1	1	1	1	0	0	0	0	1
16-Sep	0	2	0	6	0	18	1	0	0	1	0	0	0	0	0	2	0	0
17-Sep	5	0	1	0	5	11	3	0	0	0	1	0	0	0	0	0	1	0
18-Sep	17	9	7	0	2	12	0	0	1	0	0	1	0	1	0	0	0	1
19-Sep	30	5	18	0	0	1	2	0	0	1	0	1	0	1	0	0	0	1
20-Sep	67	8	10	0	13	1	6	0	0	2	1	0	2	0	0	0	0	1
21-Sep	54	0	56	1	21	8	2	0	0	2	13	0	1	0	0	1	2	0
22-Sep	34	0	30	0	11	6	1	0	0	2	18	0	1	0	0	0	0	2
23-Sep	49	0	3	1	6	8	0	0	0	3	12	0	1	0	0	0	0	4
24-Sep	78	5	0	0	12	5	0	0	0	0	6	1	1	1	0	1	0	0
25-Sep	184	11	0	0	12	4	11	0	0	1	18	1	5	0	0	1	0	2
26-Sep	190	19	0	3	5	1	5	0	0	2	5	0	8	0	0	0	0	4
27-Sep	78	37	0	21	0	2	8	0	0	9	5	1	4	1	0	0	3	1
28-Sep	55	28	0	33	0	8	6	1	0	8	0	0	1	6	0	4	0	10
29-Sep	63	64	0	68	21	5	9	4	0	17	0	1	6	10	0	6	0	14
30-Sep	116	27	8	81	10	0	22	2	0	26	1	0	13	13	10	18	0	1
01-Oct	165	13	45	123	26	0	15	4	1	21	3	0	7	13	3	17	0	4
02-Oct	141	0	83	119	16	0	30	2	7	24	20	0	12	0	36	7	9	0
03-Oct	110	9	75	105	8	0	8	6	8	17	6	0	4	3	29	8	7	1
04-Oct	162	23	65	95	9	0	29	2	7	29	9	0	8	0	2	9	0	9
05-Oct	161	18	130	98	5	0	17	3	24	24	8	0	14	2	0	14	1	32
06-Oct	171	42	85	91	3	0	30	0	26	19	23	0	12	1	0	18	17	0
07-Oct	197	72	62	32	18	0	32	11	6	13	14	0	41	13	0	5	11	0
08-Oct	95	108	19	92	20	0	29	27	0	55	13	0	25	11	0	27	16	3
09-Oct	121	114	3	58	33	1	20	39	1	14	10	1	15	20	0	13	10	5
10-Oct	232	150	4	10	123	6	33	95	2	28	38	2	9	54	0	34	56	25
11-Oct	377	64	45	26	143	14	90	51	0	21	55	1	23	28	0	50	87	42

12-Oct	388	97	104	13	177	10	69	51	4	5	98	4	46	23	0	5	102	17
13-Oct	266	132	120	154	162	8	47	91	15	29	90	1	36	42	0	19	76	20
14-Oct	605	229	82	89	97	31	69	98	30	41	49	2	9	68	5	18	52	25
15-Oct	449	660	169	69	144	11	106	363	36	127	42	7	15	149	0	35	78	46
16-Oct	654	429	206	0	99	12	80	176	76	4	14	3	21	121	6	14	59	132
17-Oct	1172	14	403	1	77	20	143	0	86	0	28	2	38	39	7	0	23	49
18-Oct	938	57	342	18	59	33	166	1	134	8	26	1	76	0	30	2	47	16
19-Oct	1080	496	436	37	45	67	72	55	122	16	15	7	43	5	36	11	30	12
20-Oct	890	788	96	174	52	45	62	155	78	51	11	13	31	1	17	25	11	77
21-Oct	1392	597	393	146	65	62	101	131	107	68	2	4	25	5	23	59	25	103
22-Oct	1665	1111	582	30	71	69	128	140	122	25	10	3	32	3	18	117	17	44
23-Oct	1438	620	902	152	57	28	106	218	217	29	15	0	84	8	109	20	68	13
24-Oct	911	0	1019	360	40	49	57	38	250	70	6	3	63	11	212	38	18	17
25-Oct	1416	76	181	398	71	60	155	71	12	58	3	2	50	18	9	30	23	49
26-Oct	2126	329	1238	589	108	122	77	175	123	67	11	8	33	41	23	78	16	186
27-Oct	2563	279	1111	766	138	147	96	93	83	67	13	7	40	58	23	97	27	4
Total	20910	6742	8147	4059	1995	890	1945	2103	1578	1005	713	78	856	770	598	803	892	973

Number of Paddy Residue Burning Events Detected

Delhi							Rajasthan						Madhya Pradesh					
Date	2020	2021	2022	2023	2024	2025	2020	2021	2022	2023	2024	2025	2020	2021	2022	2023	2024	2025
15-Sep	0	0	0	0	0	0	1	0	0	0	0	0	2	0	0	0	0	0
16-Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17-Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
18-Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19-Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
20-Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0
21-Sep	0	0	0	0	0	0	1	0	1	0	0	0	2	0	0	0	1	0
22-Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
23-Sep	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	2
24-Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25-Sep	0	0	0	0	0	0	1	0	0	0	3	0	0	0	0	1	0	1

26-Sep	0	0	0	1	0	0	1	0	0	0	0	0	2	0	0	0	2	2
27-Sep	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
28-Sep	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	0	1
29-Sep	0	0	0	0	0	0	3	0	0	6	0	1	0	4	0	5	0	3
30-Sep	1	0	0	0	0	0	1	0	0	4	2	0	5	0	0	11	0	0
01-Oct	0	0	0	0	0	0	4	1	1	4	1	0	13	0	1	8	3	0
02-Oct	1	0	0	0	0	0	7	0	3	4	3	0	12	0	1	1	0	0
03-Oct	0	0	0	0	0	0	9	0	2	5	0	0	5	1	5	5	2	1
04-Oct	0	0	0	0	0	0	15	0	0	22	0	1	4	2	0	12	0	2
05-Oct	0	0	2	0	0	0	14	0	1	11	2	5	13	1	0	18	2	0
06-Oct	1	0	0	0	0	0	16	0	0	9	1	0	37	1	0	7	12	0
07-Oct	0	0	0	0	0	0	14	1	1	7	4	0	31	1	0	9	17	5
08-Oct	0	0	0	0	0	0	11	0	0	9	1	1	17	2	0	18	7	5
09-Oct	0	0	0	0	0	0	12	0	0	17	1	1	15	4	0	24	2	7
10-Oct	0	0	0	0	3	1	14	1	0	26	3	9	18	10	0	52	1	20
11-Oct	0	0	0	1	0	0	21	7	1	21	6	1	32	2	0	24	17	6
12-Oct	0	0	0	0	2	0	24	1	2	1	13	0	44	1	1	1	5	6
13-Oct	0	0	0	0	1	0	7	5	2	28	10	8	21	2	7	32	5	18
14-Oct	0	0	0	0	1	1	16	1	1	15	20	17	15	11	1	26	7	18
15-Oct	0	0	0	0	0	1	9	8	2	34	23	30	8	27	2	66	11	41
16-Oct	1	0	0	0	1	0	12	2	4	18	100	21	23	13	2	51	112	33
17-Oct	0	0	0	0	0	0	26	0	4	12	16	15	63	1	11	31	51	16
18-Oct	0	0	1	0	3	0	37	2	12	11	30	39	88	0	15	13	71	11
19-Oct	0	0	0	0	0	0	27	5	12	31	25	24	49	1	12	65	46	43
20-Oct	0	0	0	0	0	0	26	4	4	57	11	38	9	21	7	131	24	44
21-Oct	2	0	0	0	0	0	32	2	6	34	21	41	112	30	18	147	53	58
22-Oct	0	0	0	0	0	0	29	5	12	57	36	39	183	29	31	119	93	35
23-Oct	1	0	0	0	0	0	23	7	20	29	50	43	204	32	70	89	194	14
24-Oct	0	0	2	0	0	0	20	4	7	38	11	23	150	34	26	132	32	52
25-Oct	1	0	0	0	0	0	18	2	4	47	49	115	144	60	0	159	94	16
26-Oct	0	0	0	0	1	0	34	3	21	59	54	36	178	55	57	320	170	21
27-Oct	0	0	0	0	0	0	42	1	21	73	60	29	294	62	38	256	130	2

Total	8	0	5	2	12	3	528	62	144	689	556	538	1795	408	305	1837	1169	483
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Details of residue burning events in Punjab on 27-Oct-2025

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	AMRITSAR	AJNALA	S-NPP	31.86083	74.80591	13:07:51	D	12.00
2	AMRITSAR	AJNALA	AQUA	31.87500	74.86000	15:15:58	D	6.70
3	AMRITSAR	AJNALA	AQUA	31.92200	74.73400	15:15:58	D	8.10
4	AMRITSAR	CHOGAWAN	S-NPP	31.83615	74.70969	13:07:51	D	5.00
5	AMRITSAR	CHOGAWAN	AQUA	31.83800	74.64200	15:15:58	D	8.30
6	AMRITSAR	HARSHA CHHINA	S-NPP	31.78853	74.67116	13:07:51	D	3.60
7	AMRITSAR	MAJITHA	S-NPP	31.74493	75.13995	13:07:51	D	2.30
8	AMRITSAR	RAYYA	S-NPP	31.51238	75.21923	13:07:51	D	3.10
9	AMRITSAR	RAYYA	S-NPP	31.62468	75.35218	13:07:51	D	1.80
10	AMRITSAR	RAYYA	S-NPP	31.62870	75.35277	13:07:51	D	3.10
11	AMRITSAR	RAYYA	AQUA	31.58200	75.30600	15:15:58	D	25.10
12	AMRITSAR	RAYYA	AQUA	31.59100	75.30500	15:15:58	D	6.20
13	AMRITSAR	RAYYA	AQUA	31.63300	75.30600	15:15:58	D	7.70
14	AMRITSAR	RAYYA	AQUA	31.63400	75.31800	15:15:58	D	9.30
15	AMRITSAR	TARSIKKA	AQUA	31.59700	75.16800	15:15:58	D	10.00
16	BARNALA	BARNALA	AQUA	30.23100	75.37800	15:15:58	D	19.00
17	BARNALA	BARNALA	AQUA	30.27000	75.50400	15:15:58	D	7.10
18	BARNALA	BARNALA	AQUA	30.28200	75.68300	15:15:58	D	9.80
19	BARNALA	BARNALA	AQUA	30.31000	75.58700	15:15:58	D	10.70
20	BARNALA	MAHAL KALAN	AQUA	30.52600	75.60500	15:15:58	D	6.50
21	BARNALA	MAHAL KALAN	AQUA	30.52700	75.61800	15:15:58	D	14.40
22	BARNALA	MAHAL KALAN	AQUA	30.53600	75.43000	15:15:58	D	40.20
23	BARNALA	MAHAL KALAN	AQUA	30.53800	75.44200	15:15:58	D	5.50
24	BARNALA	SEHNA	AQUA	30.46300	75.25800	15:15:58	D	12.10
25	BARNALA	SEHNA	AQUA	30.53200	75.31600	15:15:58	D	7.70
26	BATHINDA	BATHINDA	AQUA	30.17900	74.76100	15:15:58	D	5.90
27	BATHINDA	BATHINDA	AQUA	30.19400	74.80500	15:15:58	D	6.00
28	BATHINDA	BATHINDA	AQUA	30.23400	74.82200	15:15:58	D	52.60

29	BATHINDA	BHAGTA BHAI KA	AQUA	30.51000	75.13200	15:15:58	D	9.80
30	BATHINDA	MAUR	AQUA	30.01100	75.24000	15:15:58	D	9.90
31	BATHINDA	MAUR	AQUA	30.01200	75.25200	15:15:58	D	8.50
32	BATHINDA	MAUR	AQUA	30.09700	75.26800	15:15:58	D	17.60
33	BATHINDA	MAUR	AQUA	30.09900	75.28000	15:15:58	D	17.10
34	BATHINDA	NATHANA	AQUA	30.40300	75.08200	15:15:58	D	7.00
35	BATHINDA	PHUL	S-NPP	30.34707	75.26843	13:07:51	D	3.60
36	BATHINDA	PHUL	S-NPP	30.45340	75.21241	13:07:51	D	11.50
37	BATHINDA	PHUL	AQUA	30.38100	75.26500	15:15:58	D	6.00
38	BATHINDA	RAMPURA	AQUA	30.23000	75.36500	15:15:58	D	20.50
39	BATHINDA	RAMPURA	AQUA	30.23500	75.37000	15:15:58	D	24.70
40	BATHINDA	RAMPURA	AQUA	30.29400	75.29800	15:15:58	D	14.20
41	BATHINDA	SANGAT	AQUA	30.06700	74.80400	15:15:58	D	6.40
42	BATHINDA	SANGAT	AQUA	30.08900	74.93700	15:15:58	D	9.60
43	BATHINDA	SANGAT	AQUA	30.09100	74.94800	15:15:58	D	6.00
44	BATHINDA	TALWANDI SABO	S-NPP	29.93744	75.11660	13:07:51	D	2.60
45	FARIDKOT	JAITON	S-NPP	30.43695	74.79872	13:07:51	D	2.80
46	FARIDKOT	KOT KAPURA	S-NPP	30.57675	74.87926	13:07:51	D	6.30
47	FATEHGARH SAHIB	BASSI PATHANAN	S-NPP	30.72313	76.47503	13:07:51	D	36.60
48	FATEHGARH SAHIB	SIRHIND	AQUA	30.44400	76.45500	15:15:58	D	14.40
49	FAZILKA	ARNIWALA SHEIKH SUBANPUR	AQUA	30.27200	74.26800	15:15:58	D	87.40
50	FAZILKA	KHUIAN SARWAR	AQUA	30.29300	74.00100	15:15:58	D	17.10
51	FIROZPUR	FIROZPUR	AQUA	30.81000	74.58700	15:15:58	D	8.80
52	FIROZPUR	FIROZPUR	AQUA	30.81100	74.59800	15:15:58	D	15.20
53	FIROZPUR	FIROZPUR	AQUA	30.96700	74.52400	15:15:58	D	8.00
54	FIROZPUR	FIROZPUR	AQUA	31.01100	74.57500	15:15:58	D	6.70
55	FIROZPUR	GURUHAR SAHAI	AQUA	30.70200	74.24000	15:15:58	D	9.70
56	FIROZPUR	MAKHU	S-NPP	31.11461	75.10149	13:07:51	D	4.70
57	FIROZPUR	MAMDOT	AQUA	30.89100	74.42500	15:15:58	D	14.10
58	GURDASPUR	DERA BABA NANAK	S-NPP	31.99988	74.98474	13:07:51	D	2.40
59	GURDASPUR	DERA BABA NANAK	AQUA	32.02200	75.07300	15:15:58	D	12.80
60	GURDASPUR	SRI HARGOBINDPUR	S-NPP	31.74969	75.46216	01:57:09	N	0.40
61	JALANDHAR	MEHATPUR	S-NPP	31.04673	75.40634	01:57:09	N	0.50
62	JALANDHAR	MEHATPUR	AQUA	30.98700	75.44100	15:15:58	D	7.50

63	JALANDHAR	NUR MAHAL	S-NPP	31.05288	75.56609	13:07:51	D	6.30
64	KAPURTHALA	DHILWAN	S-NPP	31.46164	75.40076	13:07:51	D	2.30
65	KAPURTHALA	DHILWAN	S-NPP	31.49064	75.31343	13:07:51	D	3.10
66	KAPURTHALA	KAPURTHALA	S-NPP	31.42753	75.37938	13:07:51	D	2.70
67	KAPURTHALA	NADALA	S-NPP	31.50594	75.51485	13:07:51	D	1.60
68	KAPURTHALA	SULTANPUR LODHI	S-NPP	31.22584	75.15162	13:07:51	D	4.80
69	KAPURTHALA	SULTANPUR LODHI	AQUA	31.18100	75.11400	15:15:58	D	9.00
70	LUDHIANA	JAGRAON	AQUA	30.63300	75.38200	15:15:58	D	8.70
71	MANSA	BUDHLADA	AQUA	29.83800	75.49100	15:15:58	D	15.70
72	MANSA	BUDHLADA	AQUA	29.84100	75.42900	15:15:58	D	10.30
73	MANSA	JHUNIR	AQUA	29.76200	75.37300	15:15:58	D	28.90
74	MANSA	JHUNIR	AQUA	29.89100	75.32700	15:15:58	D	6.10
75	MOGA	BAGHA PURANA	S-NPP	30.73317	75.03740	13:07:51	D	9.40
76	MOGA	BAGHA PURANA	S-NPP	30.73732	75.03626	13:07:51	D	3.10
77	MOGA	BAGHA PURANA	AQUA	30.52900	75.12900	15:15:58	D	9.40
78	MOGA	MOGA 1	AQUA	30.74300	75.21800	15:15:58	D	7.10
79	MOGA	MOGA 1	AQUA	30.74500	75.23100	15:15:58	D	5.80
80	MOGA	MOGA 2	S-NPP	30.79558	75.12762	13:07:51	D	2.50
81	MOGA	NIHAL SINGH	AQUA	30.58500	75.34500	15:15:58	D	6.00
82	MUKTSAR	MUKTSAR	AQUA	30.44800	74.41800	15:15:58	D	5.80
83	PATIALA	PATIALA	S-NPP	30.27172	76.19277	01:57:09	N	0.90
84	PATIALA	PATRAN	AQUA	29.92000	75.99600	15:15:58	D	9.30
85	PATIALA	RAJPURA	AQUA	30.55100	76.50600	15:15:58	D	8.70
86	PATIALA	SAMANA	S-NPP	30.07361	76.10036	13:07:51	D	7.90
87	PATIALA	SAMANA	AQUA	30.23500	76.16700	15:15:58	D	6.60
88	PATIALA	SAMANA	AQUA	30.23900	76.27000	15:15:58	D	9.30
89	PATIALA	SAMANA	AQUA	30.24000	76.28400	15:15:58	D	17.90
90	SANGRUR	ANDANA	S-NPP	29.80409	75.87090	13:07:51	D	4.30
91	SANGRUR	ANDANA	S-NPP	29.83894	75.87479	13:07:51	D	2.40
92	SANGRUR	ANDANA	AQUA	29.78300	76.03700	15:15:58	D	6.40
93	SANGRUR	ANDANA	AQUA	29.80100	76.02100	15:15:58	D	8.40
94	SANGRUR	ANDANA	AQUA	29.80200	75.86200	15:15:58	D	15.30
95	SANGRUR	ANDANA	AQUA	29.83900	76.08200	15:15:58	D	26.10
96	SANGRUR	ANDANA	AQUA	29.85100	75.92700	15:15:58	D	17.00

97	SANGRUR	BHAWANIGARH	S-NPP	30.30874	76.03473	13:07:51	D	1.10
98	SANGRUR	BHAWANIGARH	AQUA	30.20000	76.02800	15:15:58	D	6.70
99	SANGRUR	DIRBA	AQUA	29.97800	75.96700	15:15:58	D	6.60
100	SANGRUR	DIRBA	AQUA	30.03700	75.95200	15:15:58	D	10.90
101	SANGRUR	DIRBA	AQUA	30.07600	76.02700	15:15:58	D	14.80
102	SANGRUR	DIRBA	AQUA	30.12100	75.95900	15:15:58	D	12.80
103	SANGRUR	DIRBA	AQUA	30.13100	75.95700	15:15:58	D	9.60
104	SANGRUR	LEHRA GAGA	S-NPP	29.95301	75.81460	13:07:51	D	9.40
105	SANGRUR	LEHRA GAGA	S-NPP	29.95384	75.81874	13:07:51	D	9.40
106	SANGRUR	LEHRA GAGA	AQUA	29.83000	75.84400	15:15:58	D	41.00
107	SANGRUR	LEHRA GAGA	AQUA	29.83200	75.85100	15:15:58	D	11.70
108	SANGRUR	LEHRA GAGA	AQUA	29.88900	75.90800	15:15:58	D	19.10
109	SANGRUR	LEHRA GAGA	AQUA	29.89100	75.92100	15:15:58	D	9.90
110	SANGRUR	SANGRUR	S-NPP	30.27756	75.94141	13:07:51	D	6.90
111	SANGRUR	SANGRUR	S-NPP	30.28155	75.94035	13:07:51	D	34.60
112	SANGRUR	SANGRUR	AQUA	30.16900	75.68700	15:15:58	D	7.70
113	SANGRUR	SHER PUR	AQUA	30.47900	75.71700	15:15:58	D	9.70
114	SANGRUR	SHER PUR	AQUA	30.48100	75.73000	15:15:58	D	9.80
115	SANGRUR	SHER PUR	AQUA	30.50700	75.77900	15:15:58	D	26.30
116	SANGRUR	SUNAM	S-NPP	30.07710	75.70359	13:07:51	D	5.90
117	SANGRUR	SUNAM	AQUA	30.06700	75.69700	15:15:58	D	8.40
118	SANGRUR	SUNAM	AQUA	30.06900	75.71000	15:15:58	D	14.10
119	SANGRUR	SUNAM	AQUA	30.10800	75.76200	15:15:58	D	11.10
120	SANGRUR	SUNAM	AQUA	30.10900	75.77500	15:15:58	D	8.00
121	SANGRUR	SUNAM	AQUA	30.18600	75.82900	15:15:58	D	9.50
122	SBS NAGAR	BANGA	S-NPP	31.20889	75.87826	13:07:51	D	3.60
123	TARN TARAN	BHIKHIWIND	S-NPP	31.35114	74.59057	13:07:51	D	3.60
124	TARN TARAN	BHIKHIWIND	AQUA	31.31400	74.78100	15:15:58	D	14.00
125	TARN TARAN	BHIKHIWIND	AQUA	31.39100	74.59200	15:15:58	D	24.00
126	TARN TARAN	CHOHLA SAHIB	S-NPP	31.21296	74.96140	13:07:51	D	3.30
127	TARN TARAN	CHOHLA SAHIB	AQUA	31.23000	75.01200	15:15:58	D	13.70
128	TARN TARAN	CHOHLA SAHIB	AQUA	31.23400	74.96200	15:15:58	D	6.40
129	TARN TARAN	CHOHLA SAHIB	AQUA	31.31500	75.10500	15:15:58	D	9.20
130	TARN TARAN	KHADUR SAHIB	AQUA	31.43300	75.16900	15:15:58	D	19.90

131	TARN TARAN	NAUSHERA PANNUAN	AQUA	31.39400	75.01000	15:15:58	D	6.70
132	TARN TARAN	PATTI	S-NPP	31.35673	74.91383	13:07:51	D	5.50
133	TARN TARAN	PATTI	AQUA	31.20100	74.85600	15:15:58	D	22.80
134	TARN TARAN	PATTI	AQUA	31.28600	74.87200	15:15:58	D	41.10
135	TARN TARAN	PATTI	AQUA	31.28800	74.88400	15:15:58	D	13.50
136	TARN TARAN	TARN TARAN	S-NPP	31.44011	74.87293	13:07:51	D	3.20
137	TARN TARAN	TARN TARAN	AQUA	31.39200	74.75000	15:15:58	D	6.40
138	TARN TARAN	TARN TARAN	AQUA	31.42700	74.88000	15:15:58	D	7.70
139	TARN TARAN	VALTOHA	S-NPP	31.18148	74.58437	13:07:51	D	2.10
140	TARN TARAN	VALTOHA	S-NPP	31.20322	74.53882	13:07:51	D	4.60
141	TARN TARAN	VALTOHA	AQUA	31.09800	74.60100	15:15:58	D	7.30
142	TARN TARAN	VALTOHA	AQUA	31.13500	74.59500	15:15:58	D	16.00
143	TARN TARAN	VALTOHA	AQUA	31.13700	74.60600	15:15:58	D	5.80
144	TARN TARAN	VALTOHA	AQUA	31.17100	74.60700	15:15:58	D	5.50
145	TARN TARAN	VALTOHA	AQUA	31.19400	74.56700	15:15:58	D	10.70
146	TARN TARAN	VALTOHA	AQUA	31.19900	74.53000	15:15:58	D	9.10
147	TARN TARAN	VALTOHA	AQUA	31.20100	74.54200	15:15:58	D	7.80

Details of residue burning events in Haryana on 27-Oct-2025

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	HISAR	HANSI-I	S-NPP	29.17695	76.03855	13:07:51	D	3.30
2	JIND	NARWANA	S-NPP	29.50704	75.98540	13:07:51	D	2.40
3	JIND	UCHANA	S-NPP	29.42892	76.20261	13:07:51	D	6.80
4	JIND	UCHANA	S-NPP	29.42974	76.20665	13:07:51	D	12.60
5	KAITHAL	KAITHAL	S-NPP	29.90724	76.45943	01:57:09	N	0.70
6	KURUKSHETRA	PEHOWA	S-NPP	30.02106	76.43014	13:07:51	D	4.20
7	KURUKSHETRA	PEHOWA	AQUA	29.95100	76.61900	15:15:58	D	13.50

Details of residue burning events in Uttar Pradesh on 27-Oct-2025

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m ²)
1	BAHRAICH	BAHRAICH	S-NPP	27.38078	81.81696	01:53:00	N	0.39
2	PILHIBHIT	PURANPUR	S-NPP	28.64034	80.03600	01:53:00	N	2.03
3	SHAHJAHANPUR	PUWANYA	S-NPP	28.00228	80.04813	01:53:00	N	0.42
4	SHAHJAHANPUR	PUWANYA	S-NPP	28.00832	80.05333	01:53:00	N	0.74

Details of residue burning events in Rajasthan on 27-Oct-2025

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m ²)
1	GANGANAGAR	SURATGARH	S-NPP	29.40707	73.67656	13:09:00	D	9.09
2	GANGANAGAR	SURATGARH	S-NPP	29.40914	73.67934	13:09:00	D	6.84
3	HANUMANGARH	HANUMANGARH	S-NPP	29.49571	74.19916	13:09:00	D	11.00
4	HANUMANGARH	HANUMANGARH	S-NPP	29.51781	74.21202	13:09:00	D	10.05
5	HANUMANGARH	HANUMANGARH	S-NPP	29.51800	74.21482	13:09:00	D	13.94
6	HANUMANGARH	HANUMANGARH	S-NPP	29.58911	74.30088	13:09:00	D	6.71
7	HANUMANGARH	HANUMANGARH	S-NPP	29.59131	74.31107	13:09:00	D	3.50
8	HANUMANGARH	HANUMANGARH	S-NPP	29.62972	74.38082	13:09:00	D	4.00
9	HANUMANGARH	HANUMANGARH	S-NPP	29.66137	74.23444	13:09:00	D	2.33
10	HANUMANGARH	HANUMANGARH	AQUA	29.47826	74.39960	15:19:00	D	5.29
11	HANUMANGARH	HANUMANGARH	AQUA	29.55450	74.20289	15:19:00	D	6.22
12	HANUMANGARH	HANUMANGARH	AQUA	29.59539	74.37266	15:19:00	D	16.66
13	HANUMANGARH	HANUMANGARH	AQUA	29.59682	74.38355	15:19:00	D	6.18
14	HANUMANGARH	HANUMANGARH	AQUA	29.60640	74.31518	15:19:00	D	13.31
15	HANUMANGARH	HANUMANGARH	AQUA	29.62556	74.38971	15:19:00	D	12.56
16	HANUMANGARH	HANUMANGARH	AQUA	29.63271	74.17235	15:19:00	D	11.34
17	HANUMANGARH	HANUMANGARH	AQUA	29.63412	74.18308	15:19:00	D	22.25
18	HANUMANGARH	PILIBANGA	S-NPP	29.46744	74.00085	13:09:00	D	5.80
19	HANUMANGARH	PILIBANGA	S-NPP	29.52499	74.04942	13:09:00	D	3.54
20	HANUMANGARH	SANGHRIYA	AQUA	29.66244	74.39983	15:19:00	D	16.59
21	HANUMANGARH	TIBI	S-NPP	29.48615	74.58366	13:09:00	D	11.43
22	HANUMANGARH	TIBI	S-NPP	29.51394	74.41600	13:09:00	D	2.53
23	HANUMANGARH	TIBI	S-NPP	29.61982	74.57314	13:09:00	D	4.36

24	HANUMANGARH	TIBI	AQUA	29.49930	74.41822	15:19:00	D	8.93
25	HANUMANGARH	TIBI	AQUA	29.50073	74.42913	15:19:00	D	13.01
26	HANUMANGARH	TIBI	AQUA	29.50382	74.59714	15:19:00	D	5.57
27	HANUMANGARH	TIBI	AQUA	29.54004	74.44466	15:19:00	D	6.47
28	HANUMANGARH	TIBI	AQUA	29.56117	74.46339	15:19:00	D	9.32
29	HANUMANGARH	TIBI	AQUA	29.63857	74.48832	15:19:00	D	5.57

Details of residue burning events in Madhya Pradesh on 27-Oct-2025

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	SEONI	KURAI	S-NPP	21.87147	79.44701	13:07:00	D	4.65
2	VIDESHA	SIRANJ	S-NPP	24.21211	77.50925	13:09:00	D	4.26

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 rice mask for the Punjab and Haryana were provided by MNCFC, MoA&FW, Govt of India
The kharif crop mask for Delhi, Uttar Pradesh, Rajasthan and Madhya Pradesh were provided by NRSC**

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