

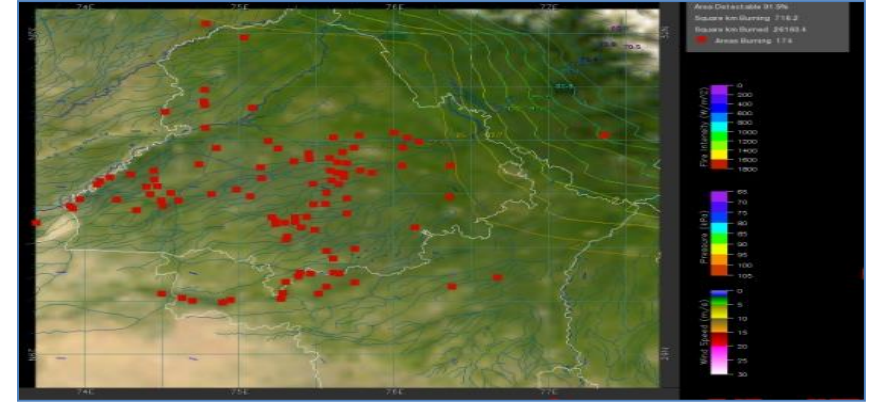
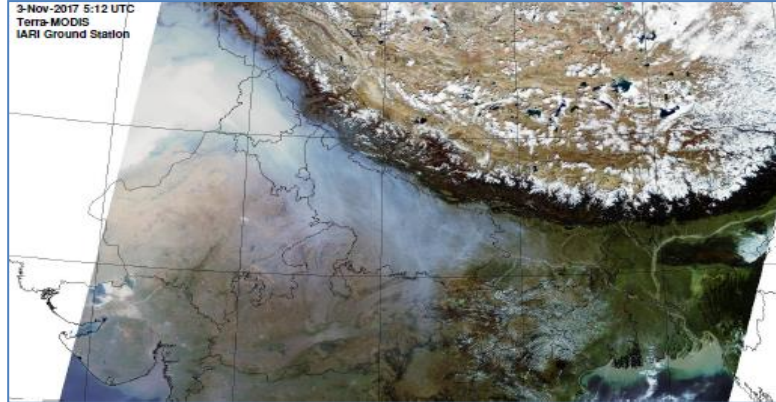


MONITORING PADDY RESIDUE BURNING IN INDIA USING SATELLITE REMOTE SENSING DURING 2025

Bulletin
No. 50

Events Date:
03-Nov-2025

Issued on:
03-Nov-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

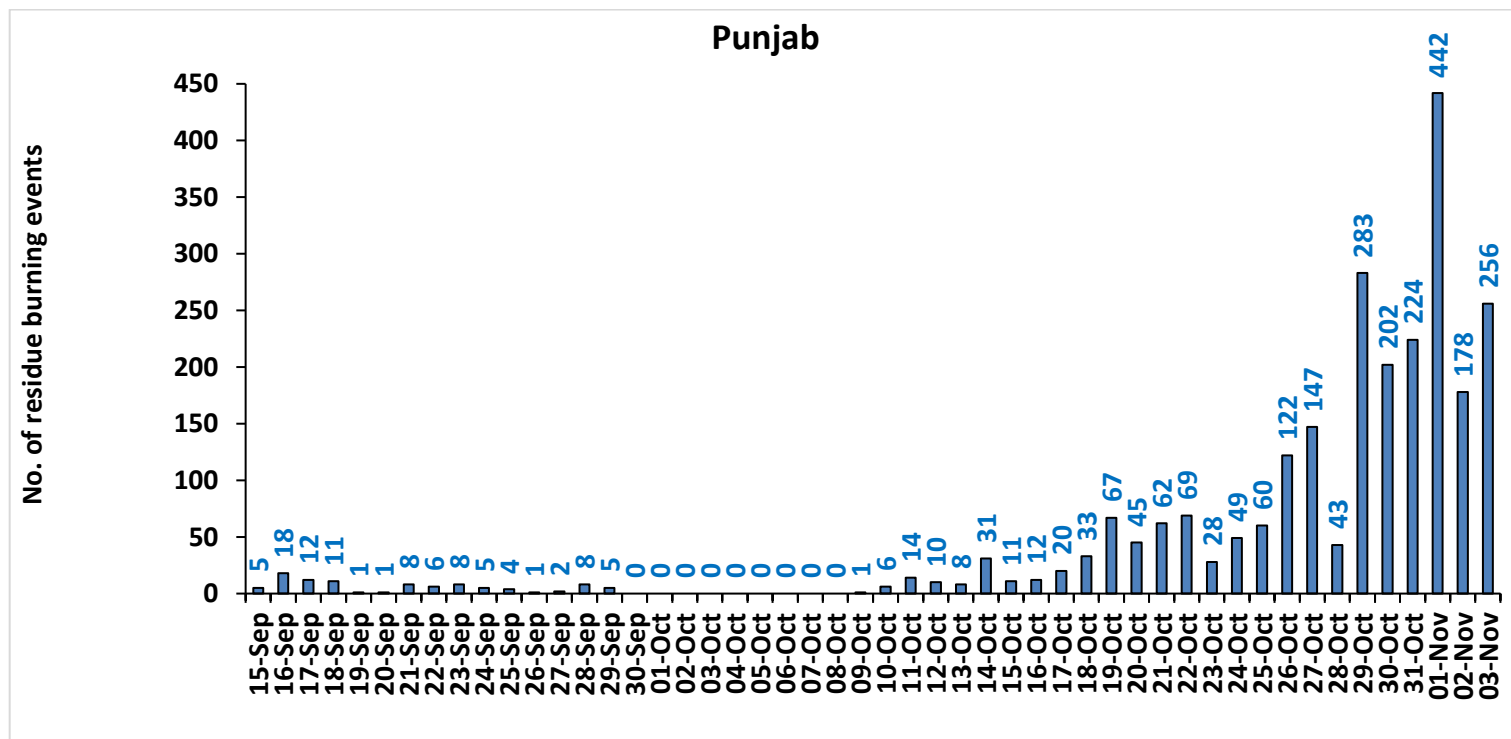
<https://creams.iari.res.in>



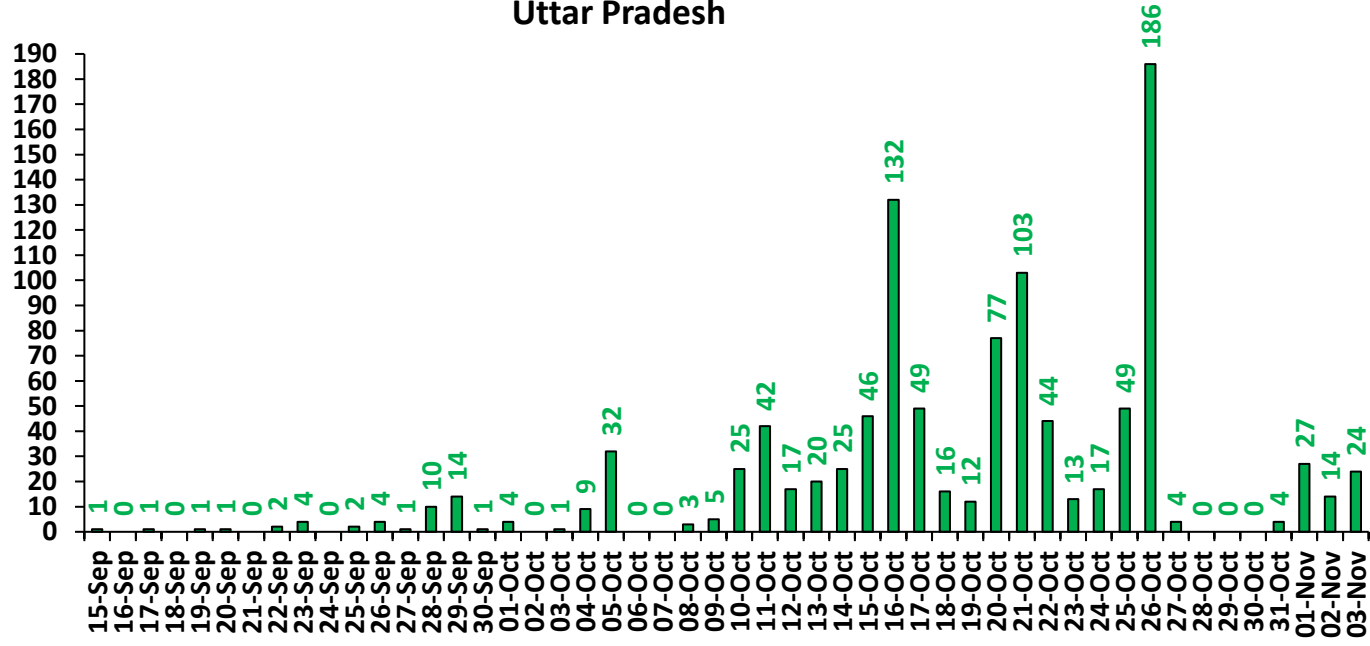
Highlights for 03-Nov-2025

- 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 **446** residue burning events in the six study States on **03-Nov-2025**.
- The state wise events detected on **03-Nov-2025** were **256** in Punjab, **23** in Haryana, **24** in UP, **00** in Delhi, **59** in Rajasthan and **84** in MP.
- Total **5056** burning events were detected in the six states between **15-Sept-2025** and **03-Nov-2025**, which are distributed as **2518, 145, 1042, 03, 778** and **570** in Punjab, Haryana, UP, Delhi, Rajasthan and MP, respectively.

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

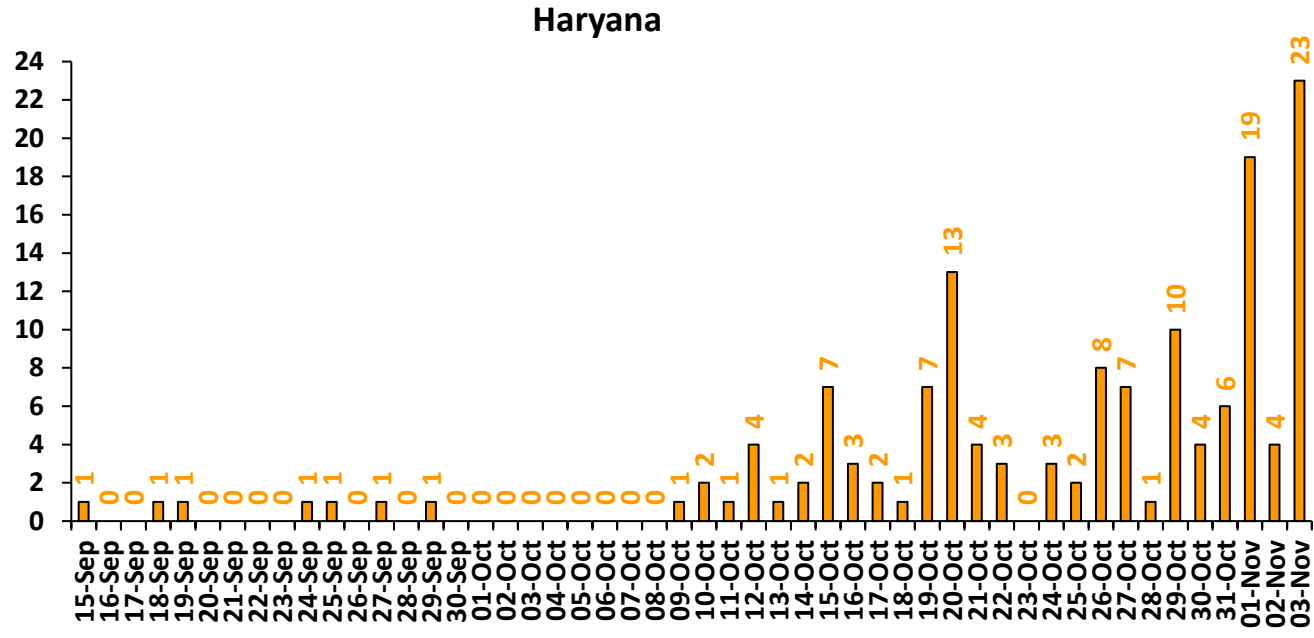


No. of residue burning events

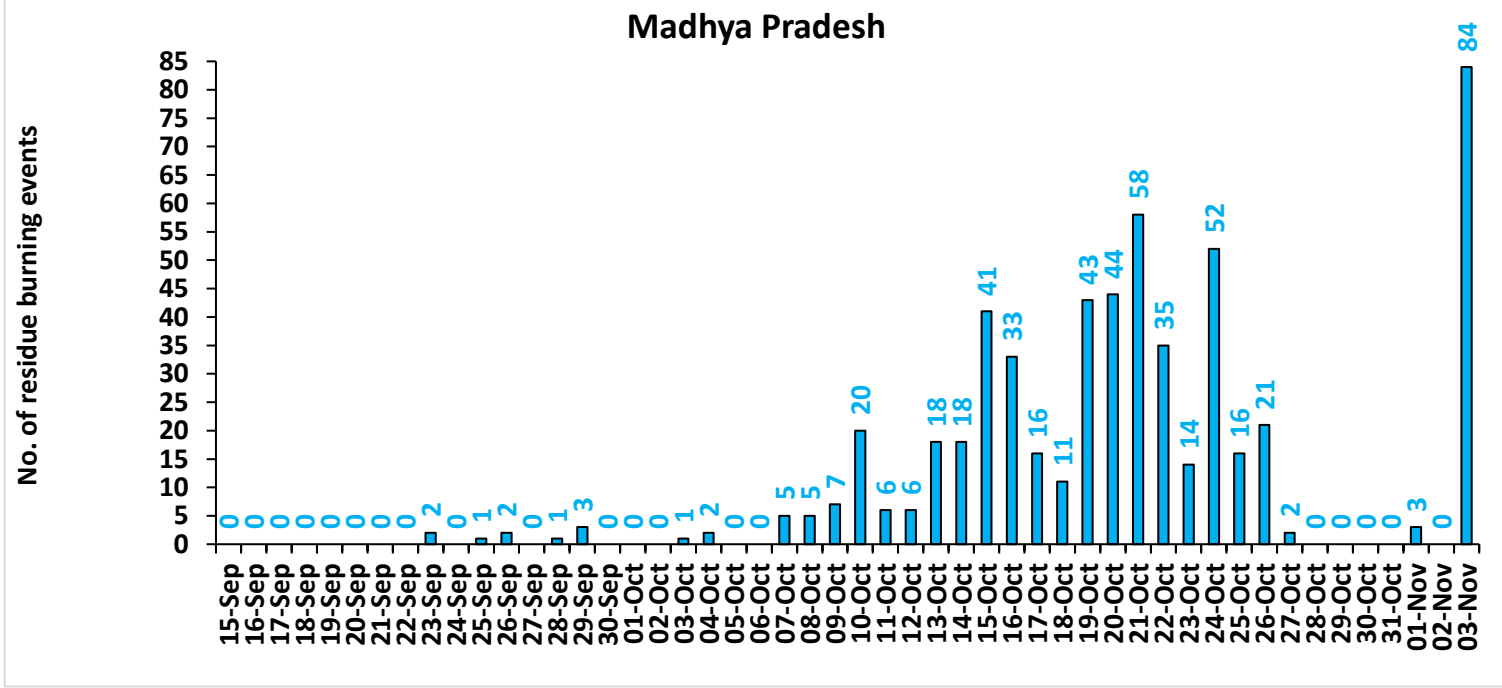
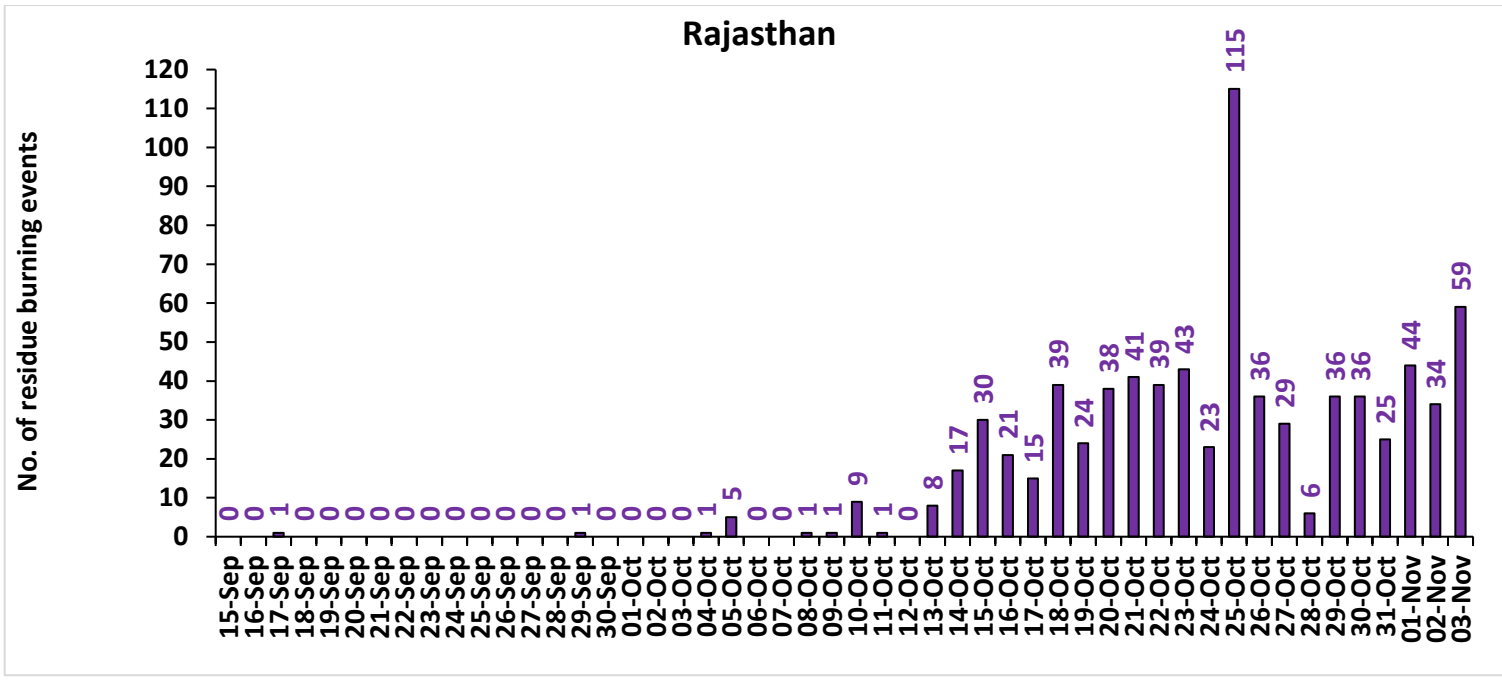


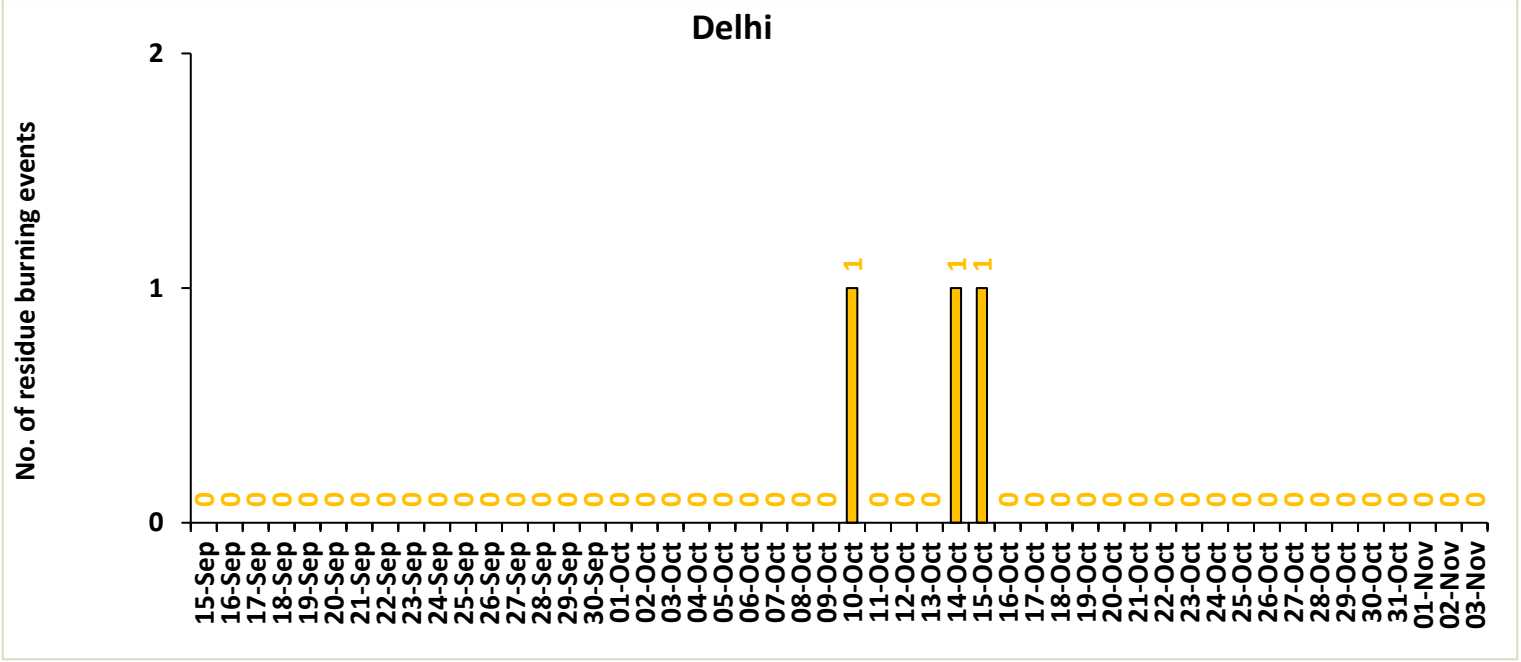
Uttar Pradesh

No. of residue burning events

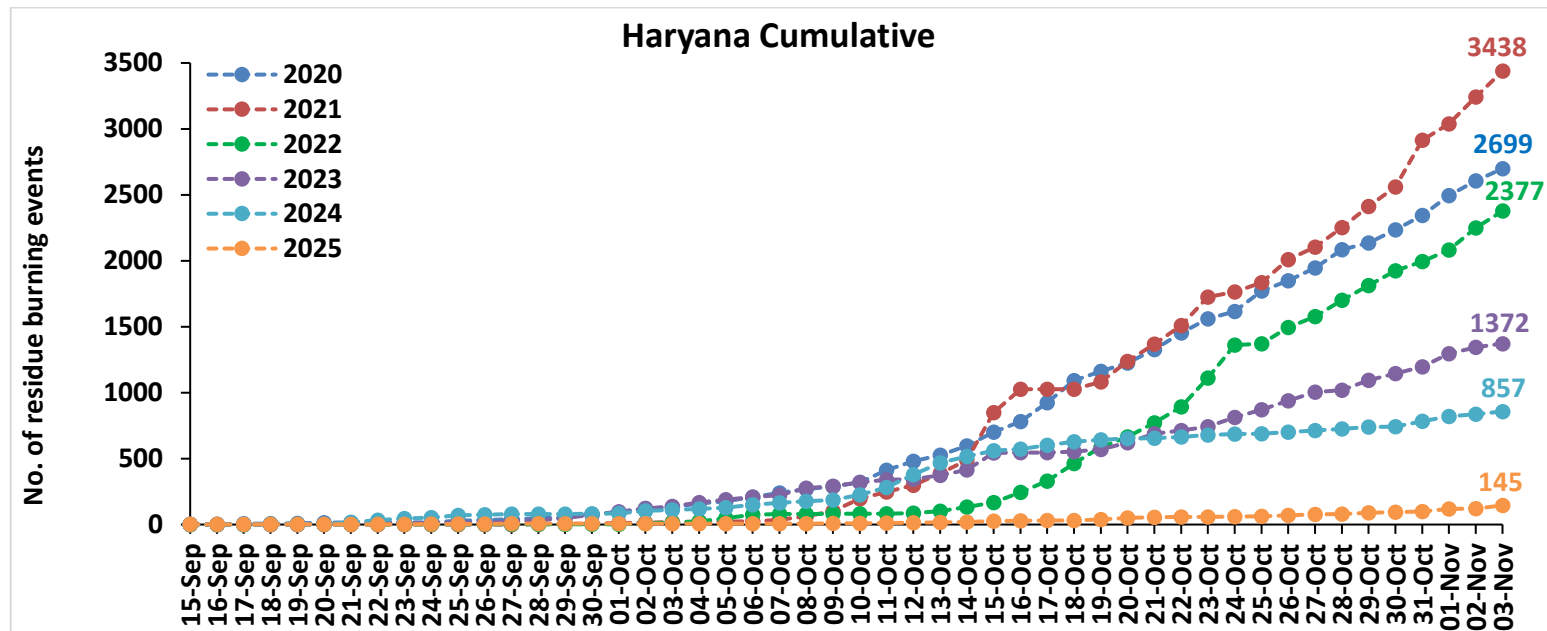
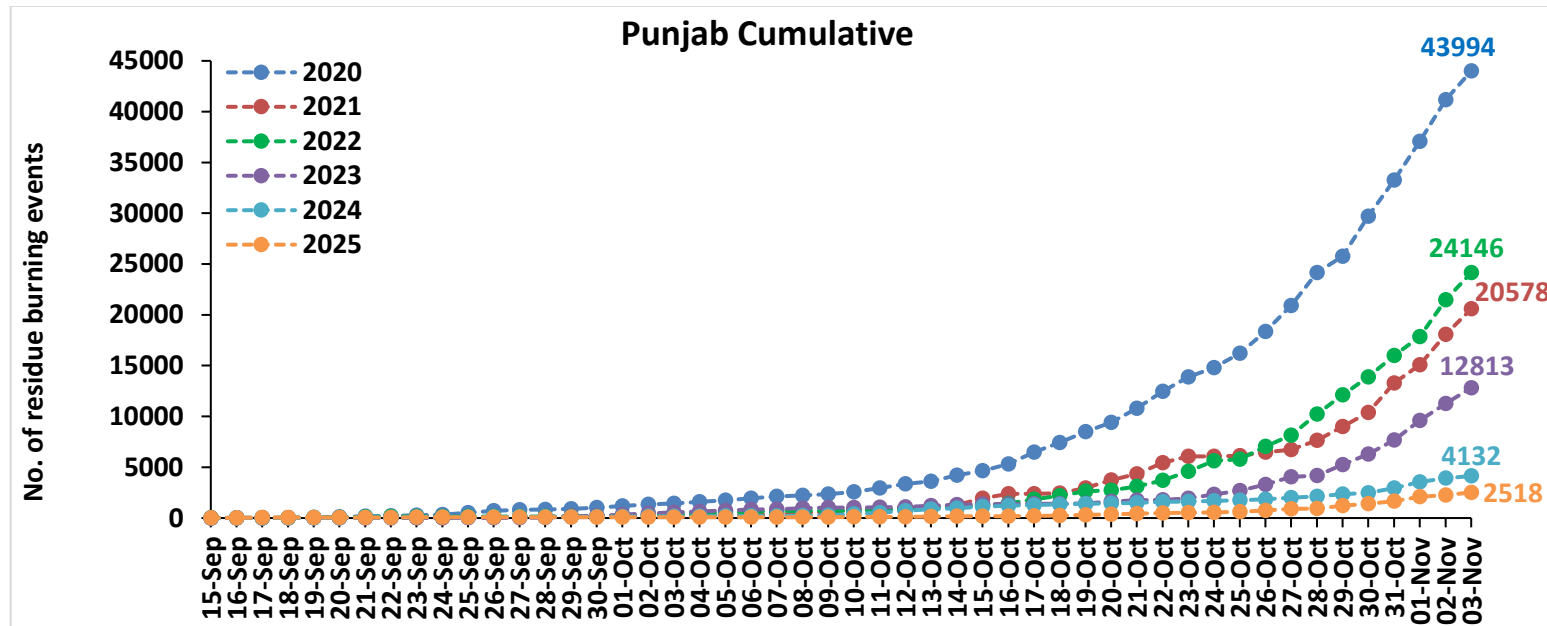


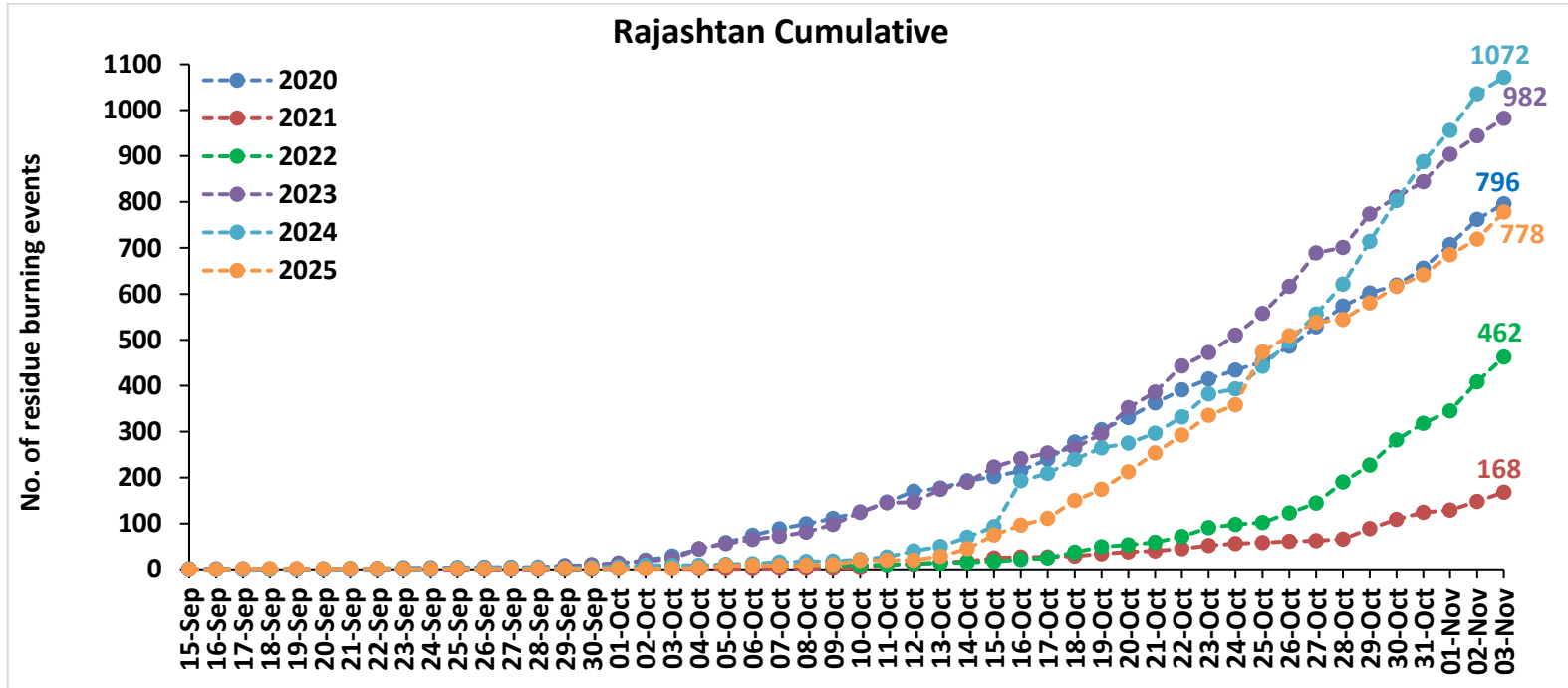
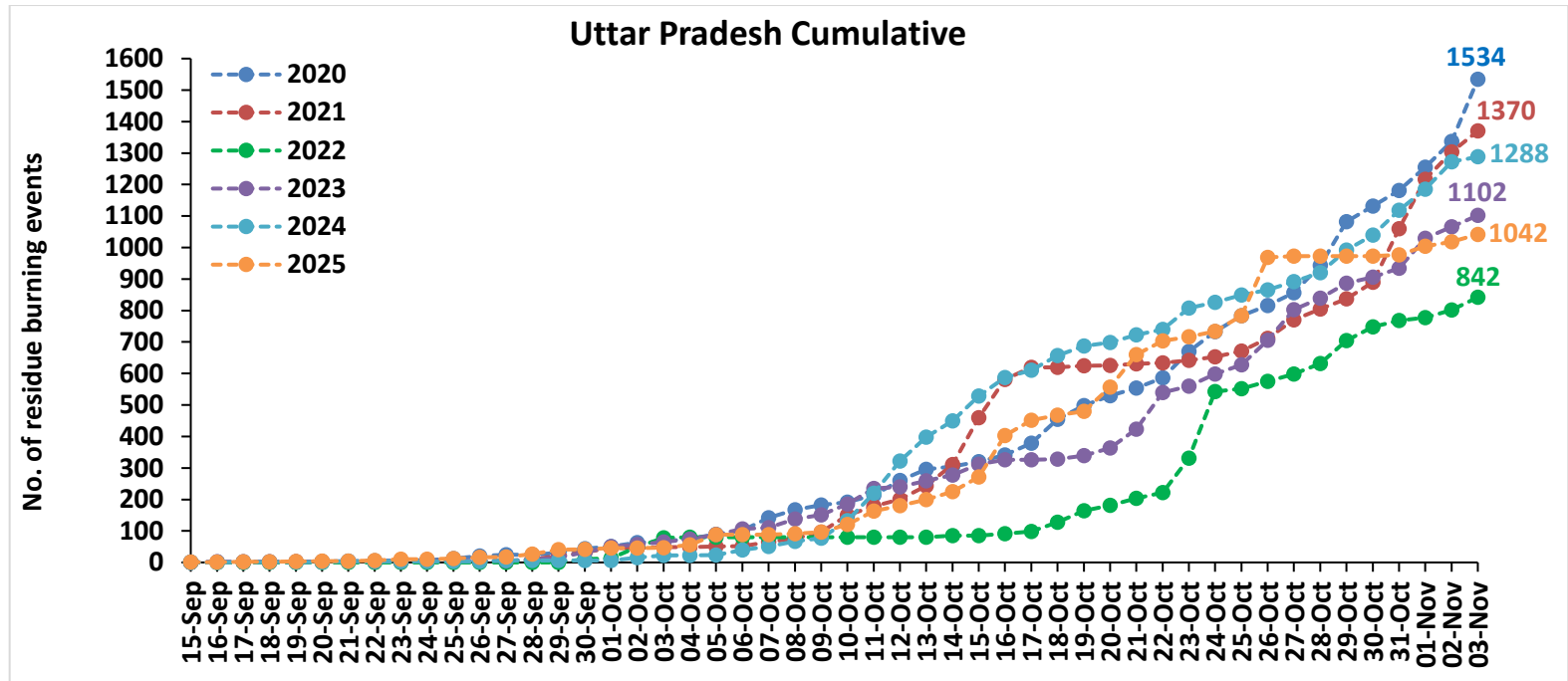
Haryana

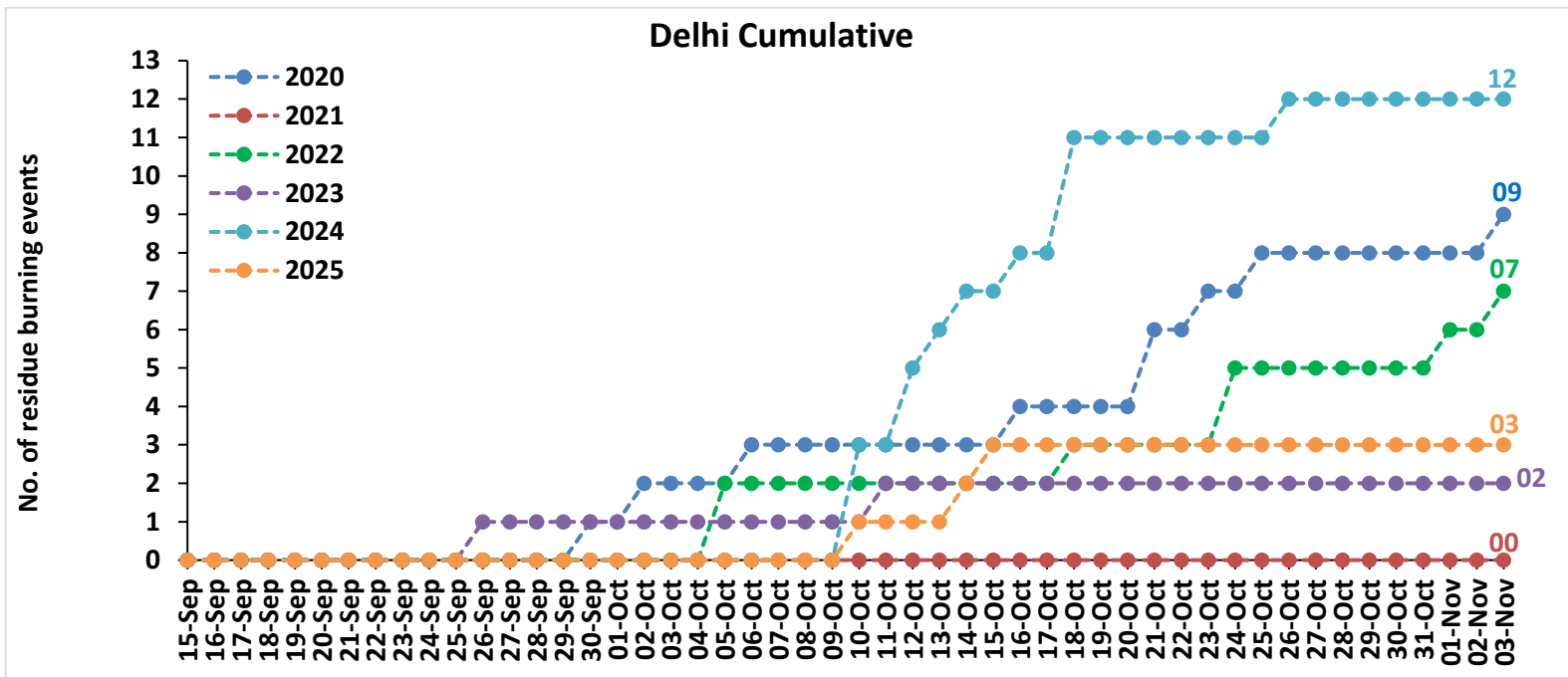
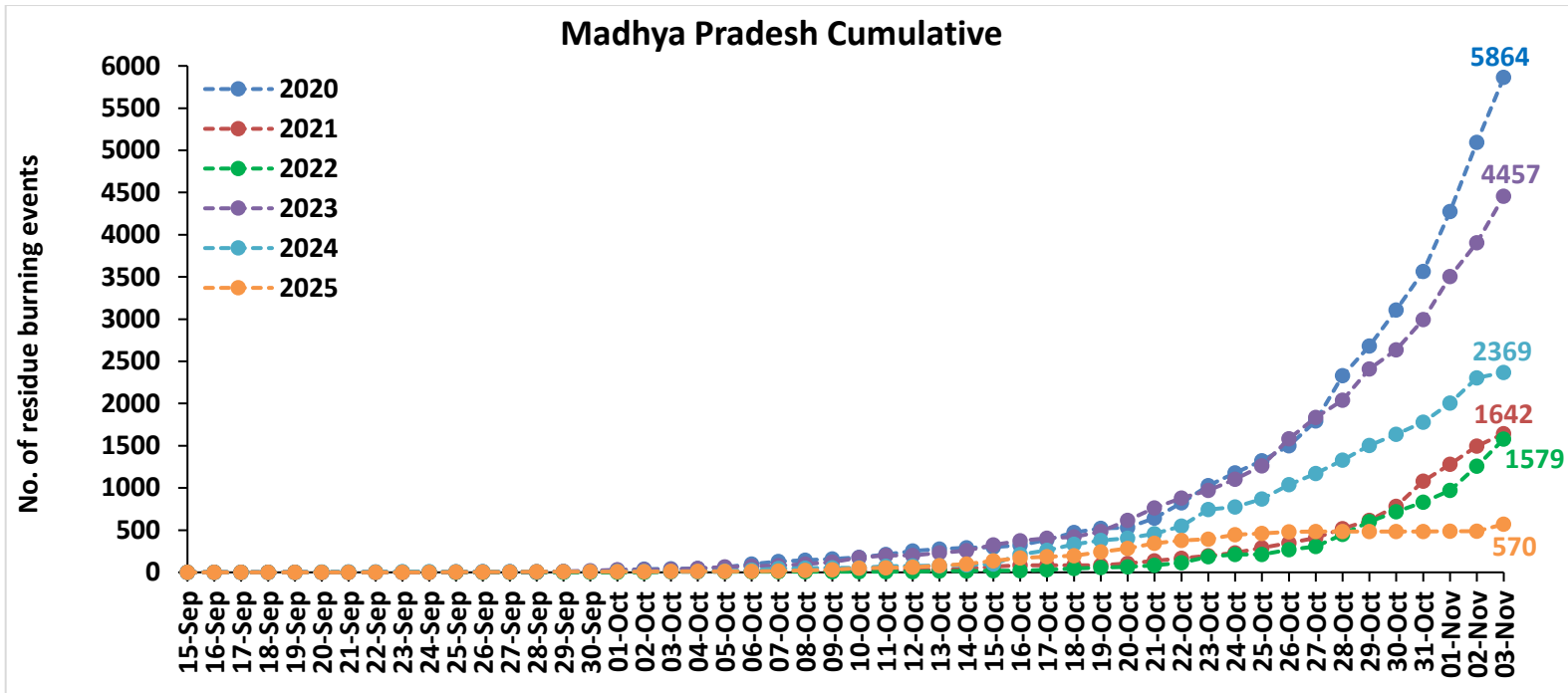




Comparison of residue burning events in current year (2025) with previous years (2020,2021,2022, 2023 and 2024) for the study States

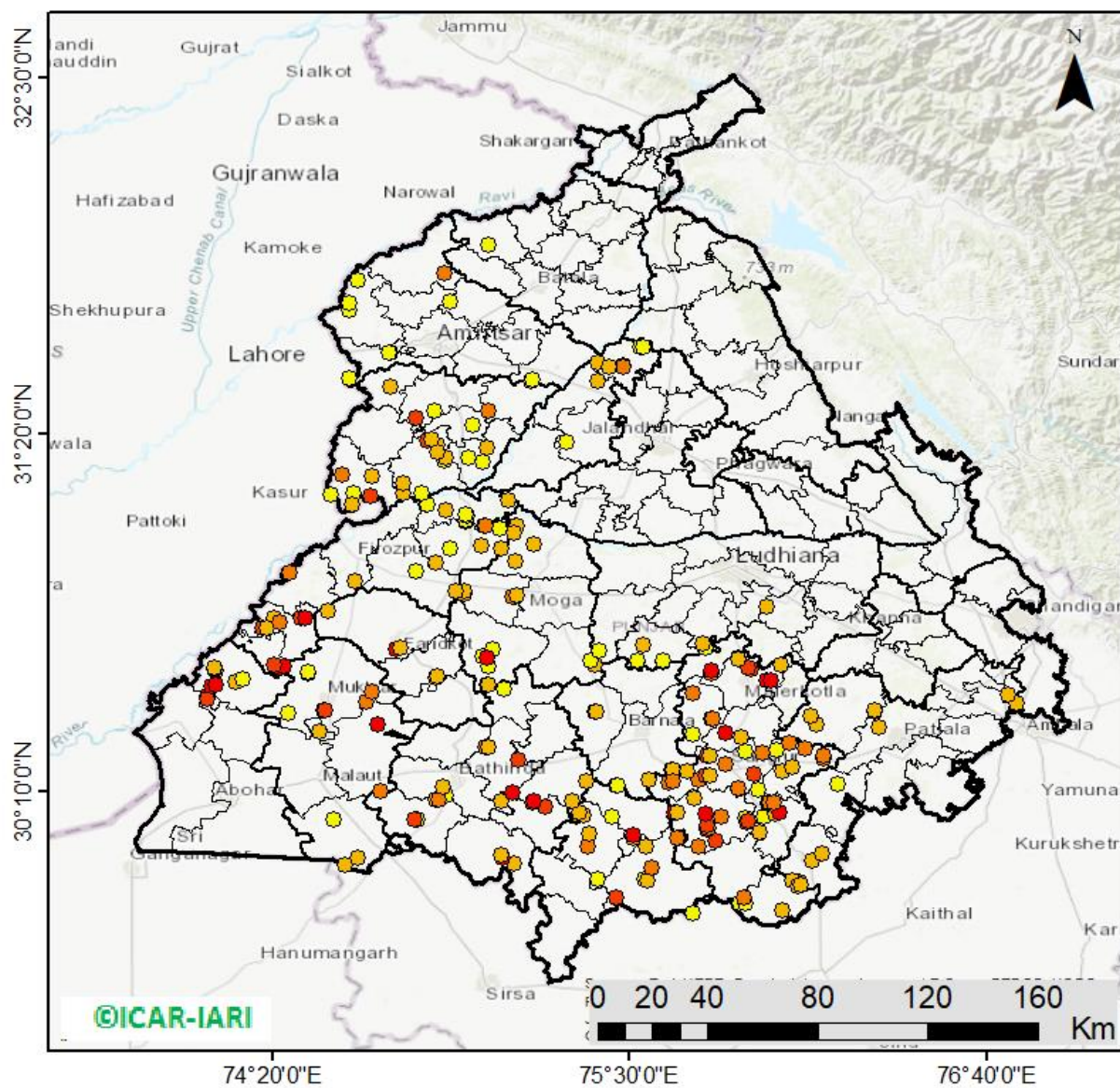






Punjab

RICE RESIDUE BURNING IN PUNJAB



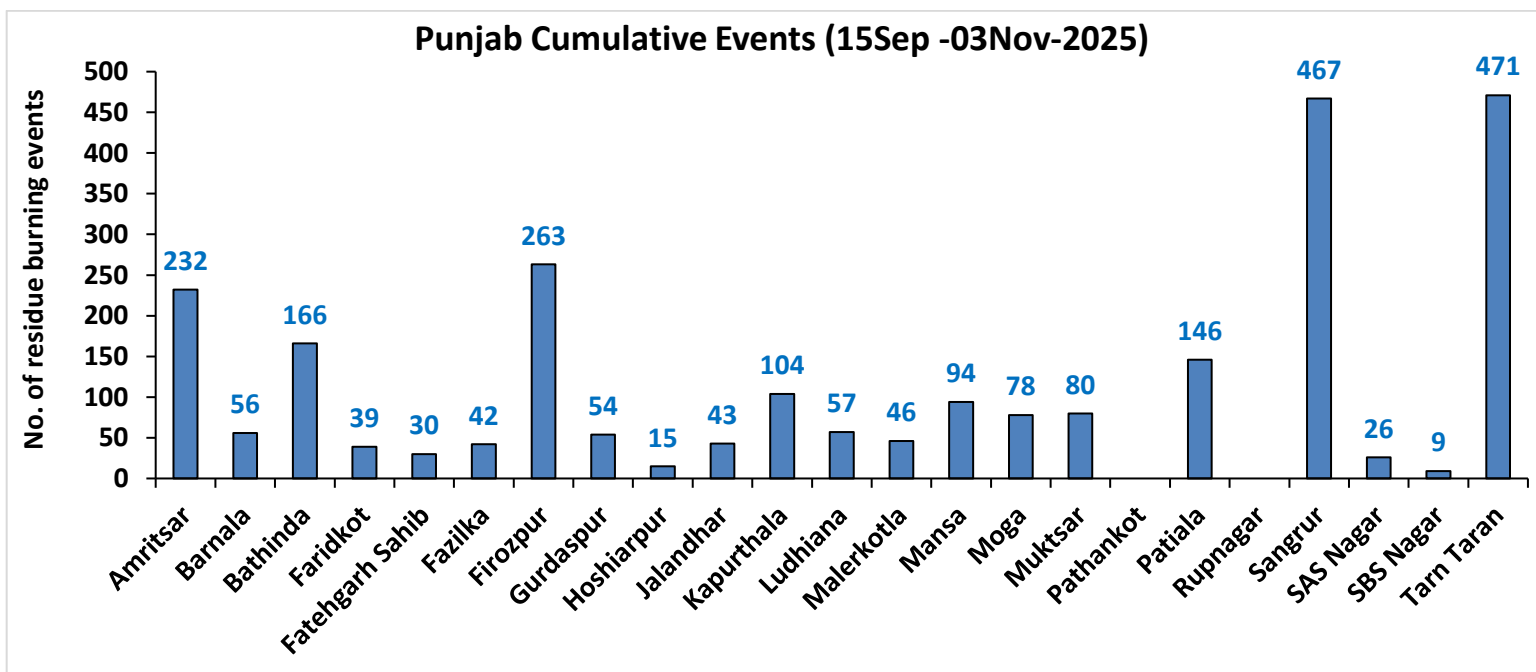
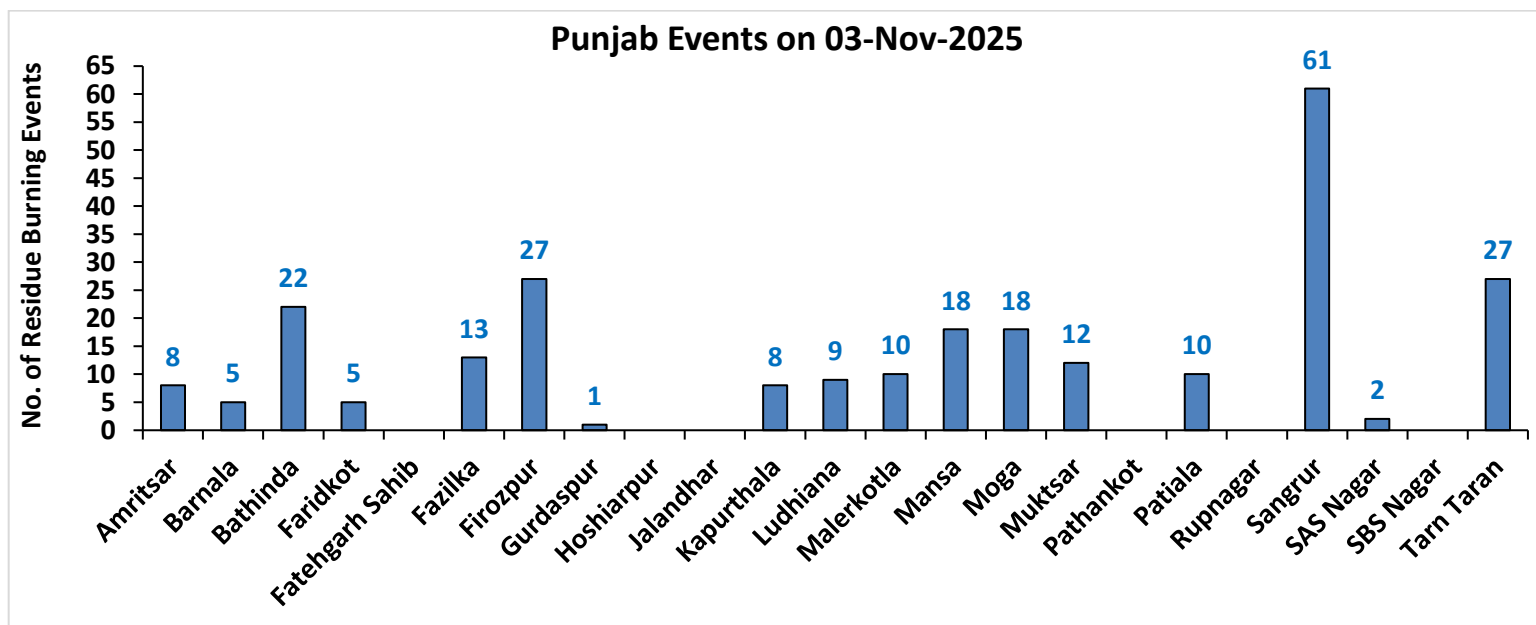
256 burning events detected in Punjab during (03rd Nov 2025)

Fire Intensity (W/m²)

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

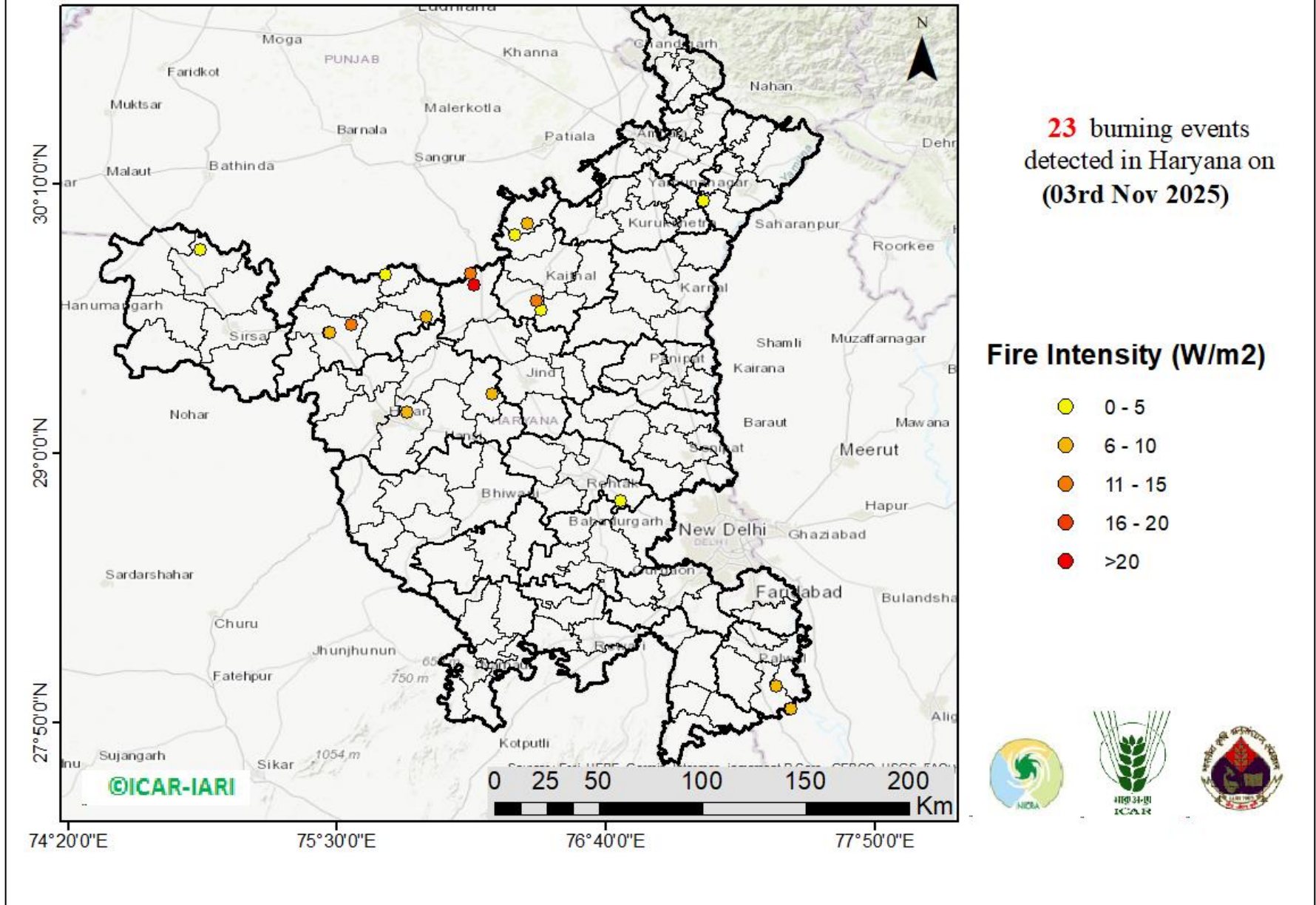


District-wise cumulative number of residues burning events in Punjab (15Sep-03Nov-2025)

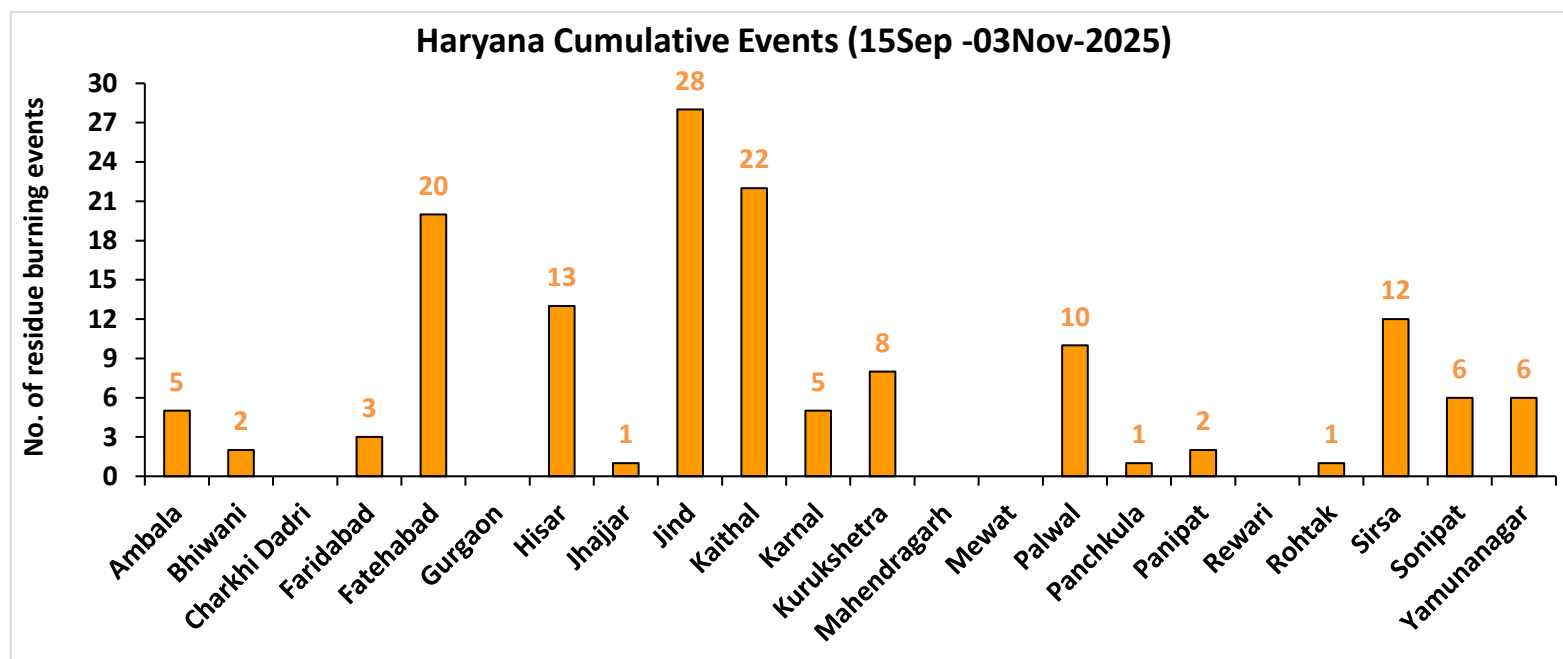
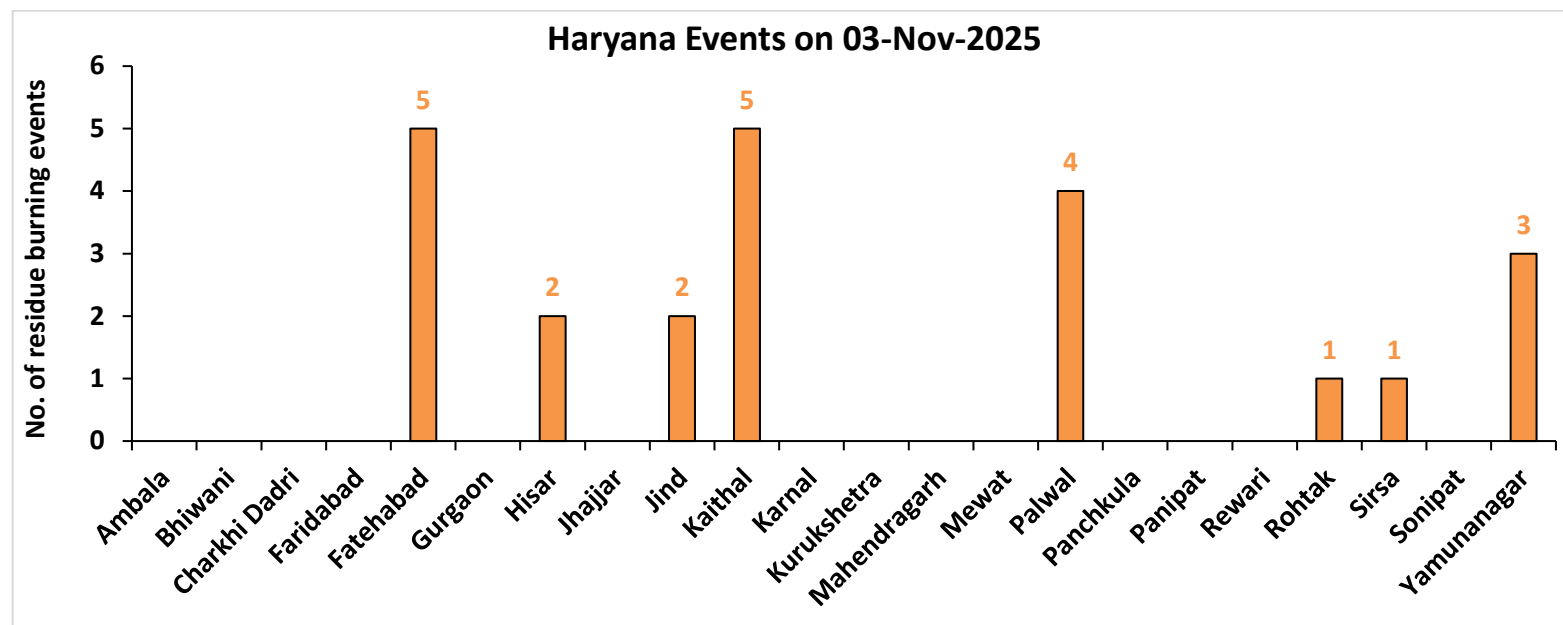


Haryana

RICE RESIDUE BURNING IN HARYANA

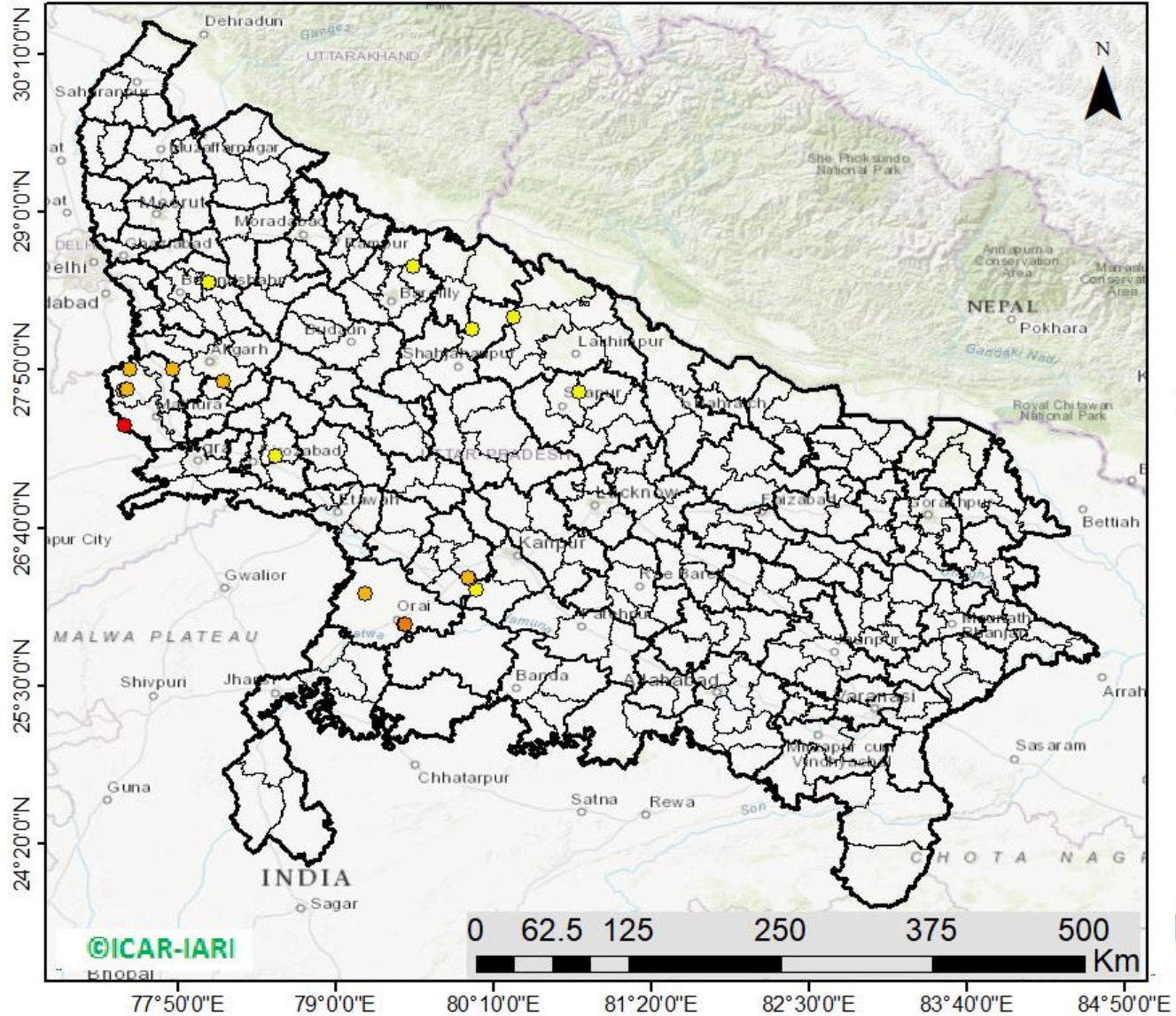


District-wise cumulative number of residues burning events in Haryana (15Sep-03Nov-2025)



Uttar Pradesh

RICE RESIDUE BURNING IN UTTAR PRADESH



24 burning events detected in Uttar Pradesh on (03rd Nov 2025)

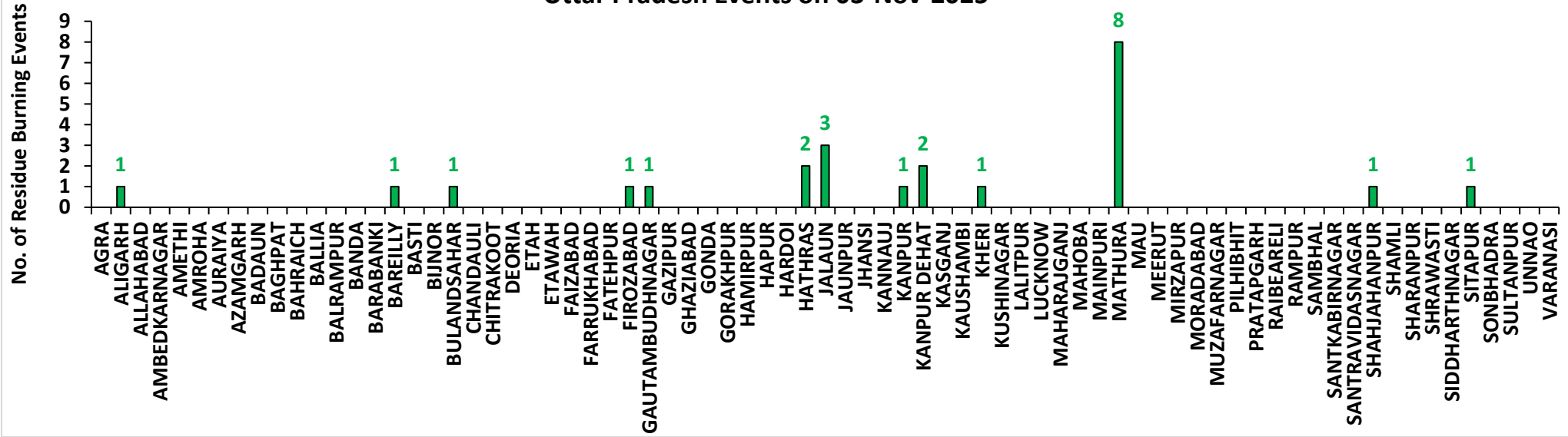
Fire Intensity (W/m²)

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

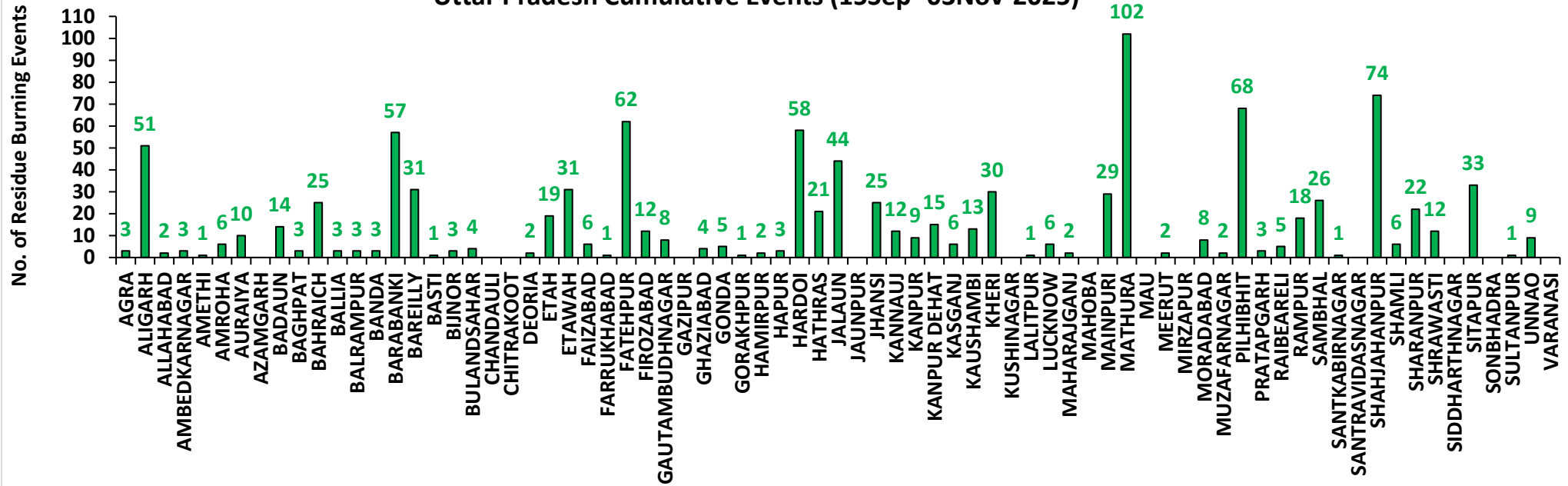


District-wise cumulative number of residues burning events in Uttar Pradesh (15Sep-03Nov-2025)

Uttar Pradesh Events on 03-Nov-2025

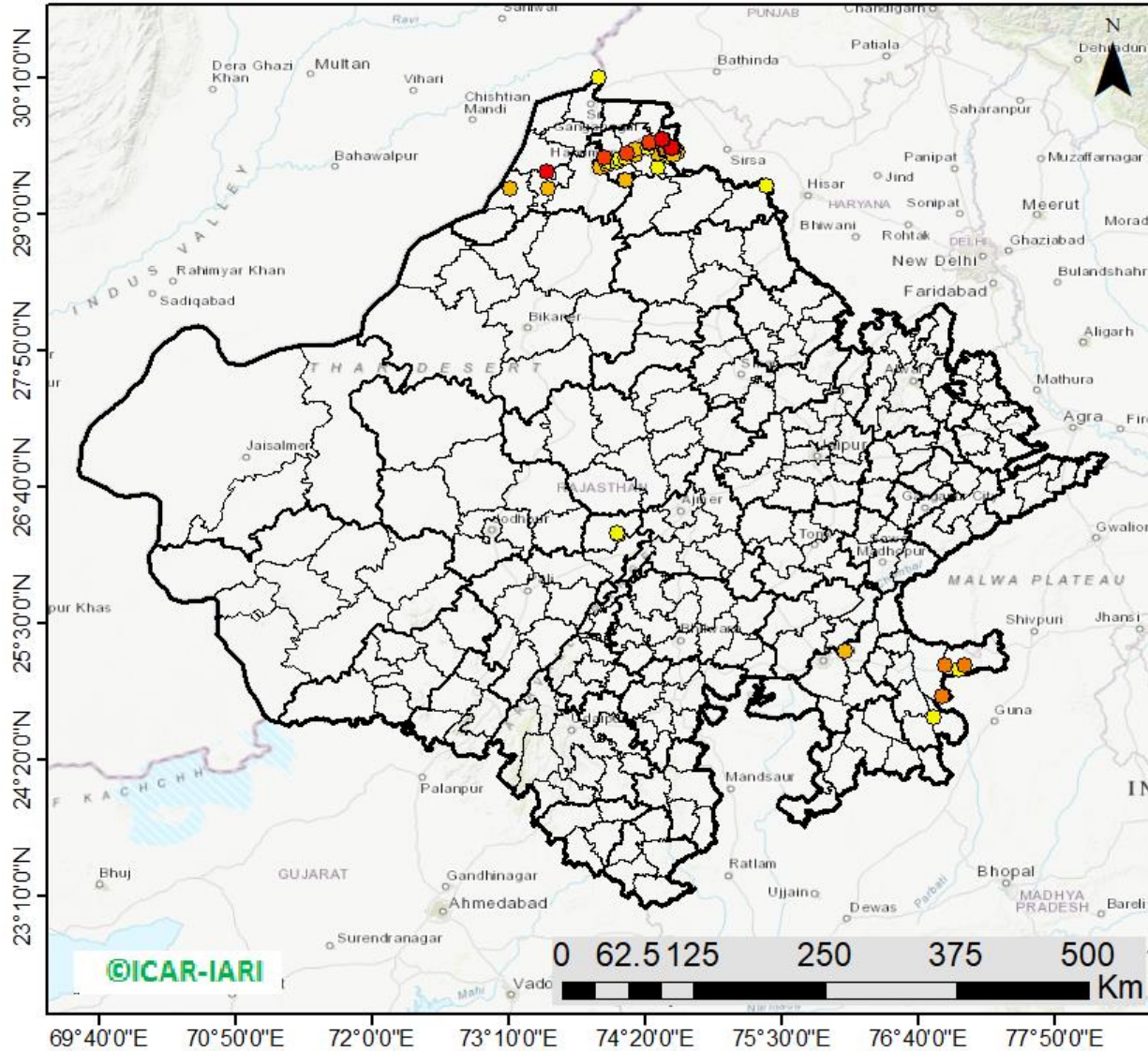


Uttar Pradesh Cumulative Events (15Sep -03Nov-2025)



Rajasthan

RICE RESIDUE BURNING IN RAJASTHAN



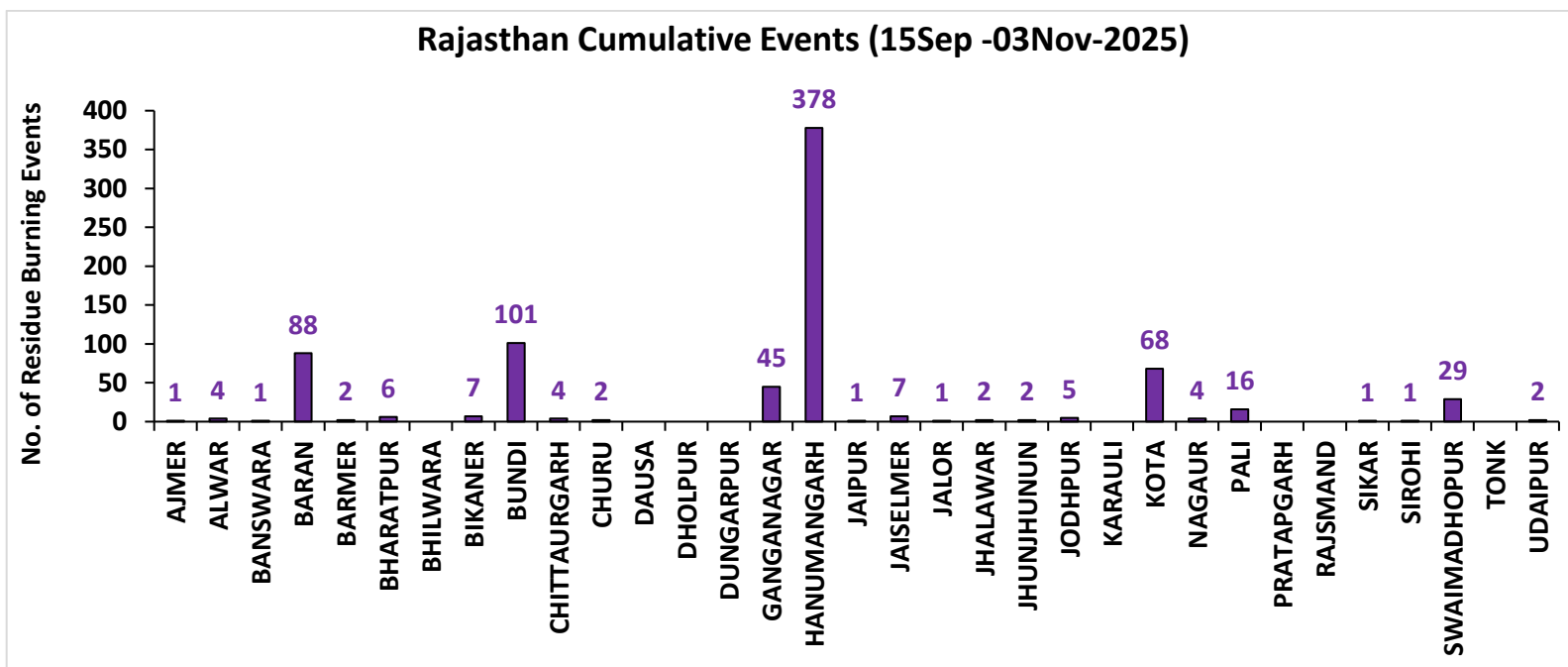
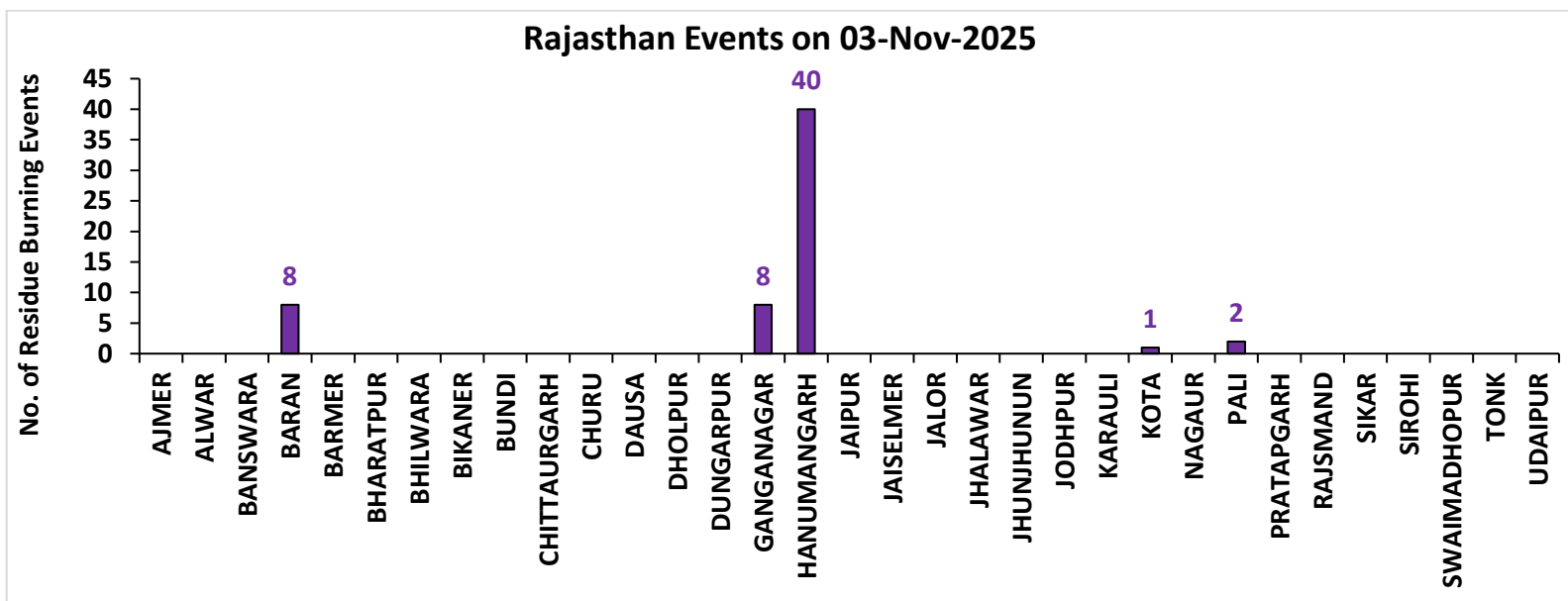
59 burning events
detected in Rajasthan on
(03rd Nov 2025)

Fire Intensity (W/m²)

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

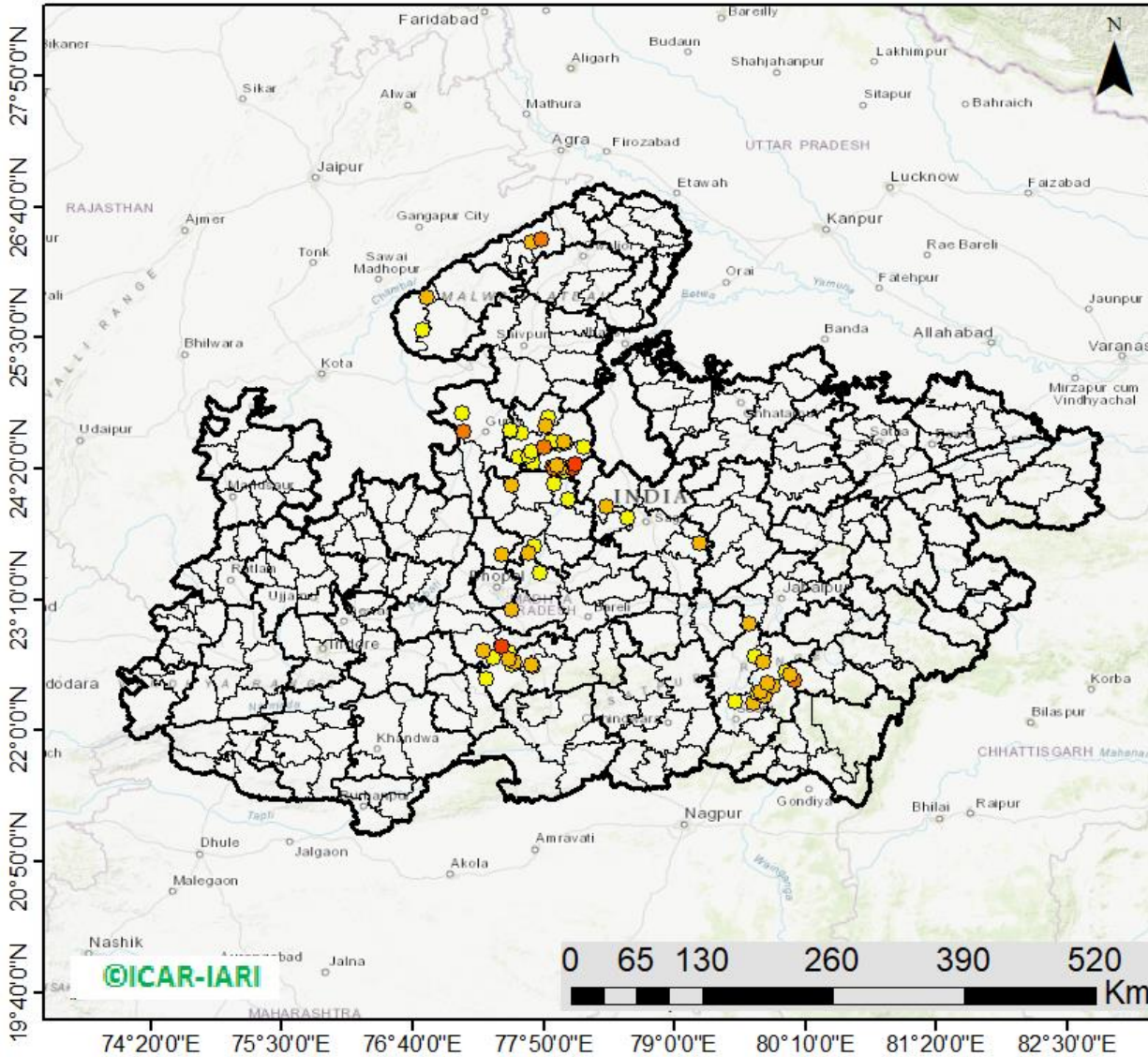


District-wise cumulative number of residues burning events in Rajasthan (15Sep-03Nov-2025)



Madhya Pradesh

RICE RESIDUE BURNING IN MADHYA PRADESH



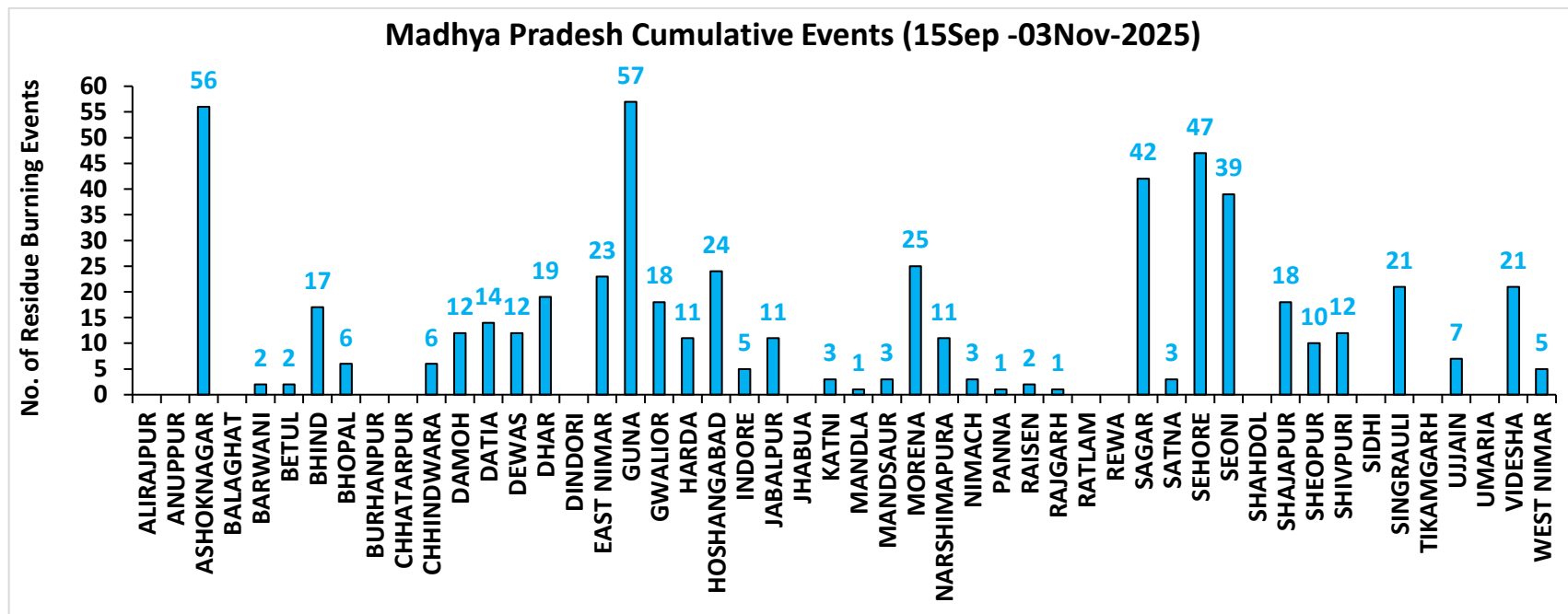
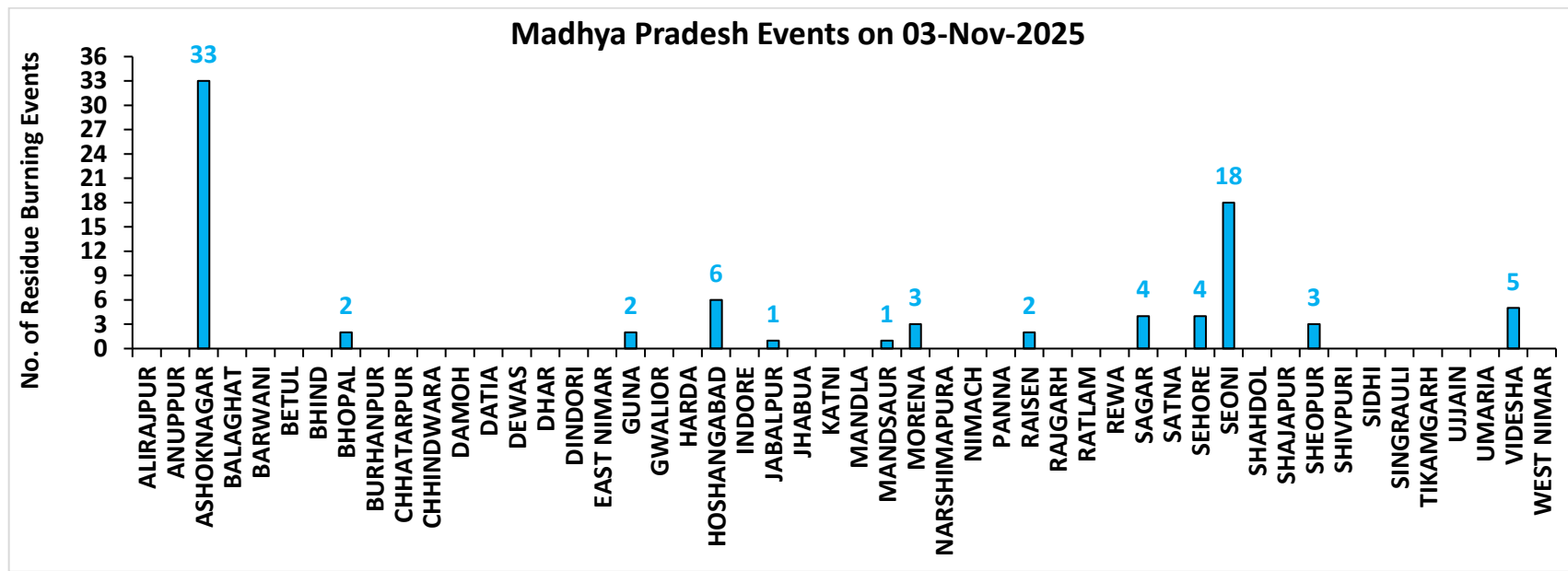
84 burning events detected in MP on (03rd Nov 2025)

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-03Nov-2025)



District-wise cumulative number of residues burning events detected in 2020, 2021, 2022, 2023, 2024 and 2025
(Period: 15 September -03 November)

(a) Punjab

District	15 Sep- 03 Nov					
	2020	2021	2022	2023	2024	2025
Amritsar	2859	1356	1418	1353	600	232
Barnala	1690	1099	1147	296	53	56
Bathinda	1711	987	1533	517	154	166
Faridkot	2212	1258	677	450	81	39
Fatehgarh Sahib	1236	484	930	595	161	30
Fazilka	434	285	364	118	35	42
Firozpur	5456	2031	1927	1391	497	263
Gurdaspur	2048	864	821	261	154	54
Hoshiarpur	352	191	222	50	12	15
Jalandhar	1270	861	1014	444	66	43
Kapurthala	1663	1117	1104	534	223	104
Ludhiana	2272	1328	1144	560	103	57
Malerkotla	0	0	0	95	55	46
Mansa	1314	501	918	843	204	94
Moga	2122	1003	838	422	124	78
Muktsar	1734	1010	708	229	42	80
Pathankot	10	3	0	1	1	0
Patiala	4424	1546	2588	1043	391	146
Rupnagar	161	85	202	35	10	0
Sangrur	5823	1678	3513	1907	552	467
SAS NAGAR (Mohali)	122	91	93	129	37	26
SBS Nagar	93	87	138	71	14	9
Tarn Taran	4988	2713	2847	1469	563	471
Total	43994	20578	24146	12813	4132	2518

(b) Haryana

District	15 Sep- 03 Nov					
	2020	2021	2022	2023	2024	2025
AMBALA	336	214	190	173	78	5
BHIWANI	3	0	0	2	0	2
CHARKHI DADRI	0	0	0	0	0	0
FARIDABAD	1	2	1	3	38	3
FATEHABAD	318	506	442	246	67	20
GURGAON	0	0	0	0	0	0
HISAR	16	24	44	69	23	13
JHAJJAR	5	0	1	7	4	1
JIND	123	254	297	177	67	28
KAITHAL	654	865	563	195	158	22
KARNAL	535	763	264	93	83	5
KURUKSHETRA	398	476	289	141	129	8
MAHENDRAGARH	0	0	0	0	0	0
MEWAT	0	0	0	0	0	0
PALWAL	42	69	35	55	36	10
PANCHKULA	0	0	0	1	18	1
PANIPAT	22	50	29	20	30	2
REWARI	0	0	0	0	0	0
ROHTAK	20	0	2	16	12	1
SIRSA	69	60	81	42	35	12
SONIPAT	33	26	17	58	45	6
YAMUNANAGAR	124	129	122	74	34	6
Total	2699	3438	2377	1372	857	145

(c) Uttar Pradesh

District	15 Sep- 03 Nov																			
	2020	2021	2022	2023	2024	2025	GAUTAMBU DHNAGAR	9	12	10	9	35	8	MUZAFARNAGA R	7	3	1	2	14	2
AGRA	5	0	0	4	5	3	GAZIPUR	0	0	1	1	0	0	PILHIBHIT	10	167	102	84	49	68
ALIGARH	90	36	35	81	164	51	GHAZIABAD	9	5	3	16	10	4	PRATAPGARH	11	3	3	6	3	3
ALLAHABAD	6	4	2	3	3	2	GONDA	4	0	0	0	2	5	RAIBEARELI	5	4	3	4	14	5
AMBEDKARNAGA R	3	2	1	0	3	3	GORAKHPU R	5	3	2	3	2	1	RAMPUR	102	98	65	68	25	18
AMETHI	2	2	4	3	1	1	HAMIRPUR	3	0	0	0	0	2	SAMBHAL	8	9	11	14	87	26
AMROHA	4	0	0	2	4	6	HAPUR	8	3	2	0	12	3	SANTKABIRNAG AR	4	0	3	4	0	1
AURAIYA	33	15	9	22	1	10	HARDOI	47	36	17	55	50	58	SANTRAVIDASN AGAR	1	0	0	0	0	0
AZAMGARH	4	0	0	1	0	0	HATHRAS	0	0	1	2	14	21	SHAHJAHANPUR	78	287	239	56	83	74
BADAUN	6	11	0	4	21	14	JALAUN	8	0	0	0	0	44	SHAMLI	27	22	6	6	9	6
BAGHPAT	5	2	2	1	4	3	JAUNPUR	4	3	0	3	1	0	SHARANPUR	69	44	12	9	9	22
BAHRAICH	66	15	8	14	9	25	JHANSI	58	11	6	71	32	25	SHRAWASTI	25	8	3	11	6	12
BALLIA	4	0	0	0	2	3	KANNAUJ	19	2	1	2	12	12	SIDDHARTH NAGAR	9	12	0	4	2	0
BALRAMPUR	22	4	2	4	0	3	KANPUR	12	24	12	26	11	9	SITAPUR	36	31	8	13	56	33
BANDA	2	2	0	0	0	3	KANPUR DEHAT	39	7	2	45	22	15	SONBHADRA	0	0	0	0	0	0
BARABANKI	28	37	32	49	80	57	KASGANJ	2	2	0	3	1	6	SULTANPUR	2	1	1	2	0	1
BAREILLY	39	29	18	31	21	31	KAUSHAMB I	23	17	8	29	18	13	UNNAO	20	6	1	20	19	9
BASTI	11	3	1	2	1	1	KHERI	88	106	85	20	26	30	VARANASI	1	0	0	0	0	0
BIJNOR	11	7	2	6	5	3	KUSHINAGA R	4	0	3	4	1	0	Total	1534	1370	842	1102	1288	1042
BULANDSAHAR	33	2	7	8	35	4	LALITPUR	1	3	3	3	0	1							
CHANDAULI	0	0	0	0	0	0	LUCKNOW	18	12	1	6	12	6							
CHITRAKOOT	1	3	2	4	0	0	MAHARAJG ANJ	3	8	2	2	4	2							
DEORIA	14	2	2	2	4	2	MAHOBA	25	0	0	0	0	0							
ETAH	14	6	2	16	13	19	MAINPURI	37	24	14	32	32	29							
ETAWAH	28	19	9	56	26	31	MATHURA	121	131	20	86	111	102							
FAIZABAD	3	0	0	3	4	6	MAU	0	1	0	0	0	0							
FARRUKHABAD	3	2	0	1	0	1	MEERUT	25	6	4	3	11	2							
FATEHPUR	73	37	37	49	53	62	MIRZAPUR	6	5	2	0	2	0							
FIROZABAD	19	11	7	7	11	12	MORADAB AD	12	3	3	5	21	8							

(d) Delhi

District	15 Sep- 03 Nov					
	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	3	0	7	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	9	0	7	2	12	3

(e) Rajasthan

District	15 Sep- 03 Nov					
	2020	2021	2022	2023	2024	2025
AJMER	3	0	0	0	0	1
ALWAR	7	0	0	0	0	4
BANSWARA	0	0	0	0	0	1
BARAN	148	1	51	313	257	88
BARMER	3	0	0	0	0	2
BHARATPUR	2	2	1	3	8	6
BHILWARA	6	0	0	0	0	0
BIKANER	1	0	0	0	0	7
BUNDI	106	27	156	189	266	101
CHITTAURGARH	0	6	3	9	4	4
CHURU	0	0	0	0	0	2
DAUSA	1	0	0	0	0	0
DHOLPUR	0	0	0	0	0	0
DUNGARPUR	0	0	1	0	1	0
GANGANAGAR	15	11	27	28	46	45
HANUMANGARH	331	102	92	135	247	378
JAIPUR	3	0	0	0	0	1
JAISELMER	3	0	0	0	0	7
JALOR	0	0	0	0	0	1
JHALAWAR	3	0	5	9	4	2
JHUNJHUNUN	1	0	0	0	0	2
JODHPUR	2	0	0	0	0	5
KARALI	1	0	0	0	0	0
KOTA	92	13	92	235	178	68
NAGOUR	0	0	0	0	0	4
PALI	4	0	0	0	0	16
PRATAPGARH	6	0	0	0	0	0
RAJSMAND	1	0	0	0	0	0
SIKAR	0	0	0	0	0	1
SIROHI	1	0	0	0	0	1
SWAIMADHOPUR	53	6	34	57	61	29
TONK	3	0	0	0	0	0
UDAIPUR	0	0	0	4	0	2
Total	796	168	462	982	1072	778

(f) Madhya Pradesh

District	15 Sep- 03 Nov													
	2020	2021	2022	2023	2024	2025	PANNA	29	4	0	6	6	1	
ALIRAJPUR	0	0	0	0	0	0	RAISEN	294	34	39	125	76	2	
ANUPPUR	0	0	0	0	0	0	RAJGARH	10	1	3	9	1	1	
ASHOKNAGAR	127	24	49	205	302	56	RATLAM	1	1	0	1	0	0	
BALAGHAT	0	0	0	0	0	0	REWA	55	14	6	10	10	0	
BARWANI	1	0	0	0	1	2	SAGAR	24	22	40	80	62	42	
BETUL	18	9	2	15	10	2	SATNA	211	45	10	43	40	3	
BHIND	114	9	41	99	65	17	SEHORE	95	47	68	90	49	47	
BHOPAL	36	16	11	27	15	6	SEONI	957	606	210	367	138	39	
BURHANPUR	7	1	0	5	0	0	SHAHDOL	0	0	0	2	1	0	
CHHATARPUR	7	0	0	3	2	0	SHAJAPUR	7	0	0	12	12	18	
CHHINDWARA	71	28	37	57	7	6	SHEOPUR	664	54	342	1154	97	10	
DAMOH	58	35	29	51	38	12	SHIVPURI	123	9	22	89	128	12	
DATIA	606	46	97	399	134	14	SIDHI	1	2	0	0	0	0	
DEWAS	6	0	0	9	7	12	SINGRAULI	0	0	1	3	6	21	
DHAR	34	0	0	34	13	19	TIKAMGARH	4	0	0	5	0	0	
DINDORI	0	0	0	1	0	0	UJJAIN	5	0	0	14	8	7	
EAST NIMAR	17	6	10	9	3	23	UMARIA	2	1	0	2	2	0	
GUNA	52	2	66	392	537	57	VIDESHA	108	28	30	87	80	21	
GWALIOR	698	29	65	151	58	18	WEST NIMAR	34	2	3	25	5	5	
HARDA	13	19	9	27	9	11	Total	5864	1642	1579	4457	2369	570	
HOSHANGABAD	753	398	234	554	209	24								
INDORE	4	0	0	12	12	5								
JABALPUR	264	50	57	136	90	11								
JHABUA	0	0	0	0	0	0								
KATNI	130	5	13	30	18	3								
MANDLA	47	40	10	12	3	1								
MANDSAUR	9	0	0	3	16	3								
MORENA	58	23	14	45	44	25								
NARSHIMAPURA	109	32	61	56	53	11								
NIMACH	1	0	0	1	2	3								

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

(Period: 15 September -03 November)

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

23-Sep	0	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	0
25-Sep	0	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	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	0	1	0	0	0	0	0
28-Sep	0	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	0	3	0	0	6	0	1	0	4	0	5	0	3
30-Sep	1	0	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	0	4	1	1	4	1	0	13	0	1	8	3	0
02-Oct	1	0	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	0	9	0	2	5	0	0	5	1	5	5	2	1
04-Oct	0	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	0	14	0	1	11	2	5	13	1	0	18	2	0
06-Oct	1	0	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	0	14	1	1	7	4	0	31	1	0	9	17	5
08-Oct	0	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	0	12	0	0	17	1	1	15	4	0	24	2	7
10-Oct	0	0	0	0	3	1	0	14	1	0	26	3	9	18	10	0	52	1	20
11-Oct	0	0	0	1	0	0	0	21	7	1	21	6	1	32	2	0	24	17	6
12-Oct	0	0	0	0	2	0	0	24	1	2	1	13	0	44	1	1	1	5	6
13-Oct	0	0	0	0	1	0	0	7	5	2	28	10	8	21	2	7	32	5	18
14-Oct	0	0	0	0	1	1	0	16	1	1	15	20	17	15	11	1	26	7	18
15-Oct	0	0	0	0	0	1	0	9	8	2	34	23	30	8	27	2	66	11	41
16-Oct	1	0	0	0	1	0	0	12	2	4	18	100	21	23	13	2	51	112	33
17-Oct	0	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	0	37	2	12	11	30	39	88	0	15	13	71	11
19-Oct	0	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	0	26	4	4	57	11	38	9	21	7	131	24	44
21-Oct	2	0	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	0	29	5	12	57	36	39	183	29	31	119	93	35
23-Oct	1	0	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	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
28-Oct	0	0	0	0	0	0	45	4	46	12	65	6	537	110	143	202	160	0
29-Oct	0	0	0	0	0	0	29	23	37	73	93	36	349	97	151	372	175	0
30-Oct	0	0	0	0	0	0	17	20	55	37	89	36	428	168	119	224	131	0
31-Oct	0	0	0	0	0	0	37	15	36	33	85	25	455	299	112	360	145	0
01-Nov	0	0	1	0	0	0	51	5	27	60	68	44	709	198	142	509	226	3
02-Nov	0	0	0	0	0	0	55	19	63	40	80	34	820	214	284	401	296	0
03-Nov	1	0	1	0	0	0	34	20	54	38	36	59	771	148	323	552	67	84
Total	9	0	7	2	12	3	796	168	462	982	1072	778	5864	1642	1579	4457	2369	570

Details of residue burning events in Punjab on 03-Nov-2025

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	AMRITSAR	AJNALA	AQUA	31.86200	74.89700	14:51:11	D	13.00
2	AMRITSAR	ATTARI	S-NPP	31.51917	74.58657	14:15:58	D	1.60
3	AMRITSAR	ATTARI	S-NPP	31.59944	74.71827	14:15:58	D	4.80
4	AMRITSAR	ATTARI	S-NPP	31.60061	74.71558	14:15:58	D	3.80
5	AMRITSAR	CHOGAWAN	S-NPP	31.74022	74.58316	14:15:58	D	3.20
6	AMRITSAR	CHOGAWAN	S-NPP	31.76204	74.58514	14:15:58	D	2.60
7	AMRITSAR	CHOGAWAN	S-NPP	31.83650	74.61321	14:15:58	D	3.60
8	AMRITSAR	MAJITHA	S-NPP	31.76928	74.91696	14:15:58	D	4.60
9	BARNALA	BARNALA	S-NPP	30.20469	75.56518	14:15:58	D	6.70
10	BARNALA	BARNALA	S-NPP	30.23819	75.64037	14:15:58	D	6.70
11	BARNALA	BARNALA	S-NPP	30.23850	75.64471	14:15:58	D	8.40
12	BARNALA	SEHNA	S-NPP	30.42499	75.39008	14:15:58	D	2.10
13	BARNALA	SEHNA	AQUA	30.42500	75.39500	14:51:11	D	8.10
14	BATHINDA	BATHINDA	S-NPP	30.15501	74.90000	12:36:24	D	4.10
15	BATHINDA	BATHINDA	AQUA	30.13400	75.08400	14:51:11	D	7.50
16	BATHINDA	BATHINDA	AQUA	30.18300	74.89000	14:51:11	D	9.20

17	BATHINDA	BHAGTA BHAI KA	S-NPP	30.50361	75.09253	14:15:58	D	3.80
18	BATHINDA	MAUR	AQUA	30.11700	75.22600	14:51:11	D	19.60
19	BATHINDA	MAUR	AQUA	30.13000	75.18300	14:51:11	D	15.60
20	BATHINDA	NATHANA	AQUA	30.26800	75.13900	14:51:11	D	16.90
21	BATHINDA	NATHANA	AQUA	30.31100	75.03000	14:51:11	D	11.10
22	BATHINDA	NATHANA	AQUA	30.31300	75.04200	14:51:11	D	9.40
23	BATHINDA	RAMPURA	S-NPP	30.20175	75.36143	14:15:58	D	5.30
24	BATHINDA	RAMPURA	AQUA	30.13300	75.19000	14:51:11	D	23.50
25	BATHINDA	RAMPURA	AQUA	30.13300	75.31400	14:51:11	D	10.00
26	BATHINDA	RAMPURA	AQUA	30.16100	75.11800	14:51:11	D	25.00
27	BATHINDA	SANGAT	S-NPP	30.07254	74.80732	14:15:58	D	4.70
28	BATHINDA	SANGAT	AQUA	30.07300	74.79900	14:51:11	D	16.40
29	BATHINDA	SANGAT	AQUA	30.13700	74.86600	14:51:11	D	10.00
30	BATHINDA	SANGAT	AQUA	30.13900	74.87900	14:51:11	D	11.00
31	BATHINDA	SANGAT	AQUA	30.16700	74.68500	14:51:11	D	14.40
32	BATHINDA	TALWANDI SABO	S-NPP	29.92977	75.12466	14:15:58	D	9.50
33	BATHINDA	TALWANDI SABO	S-NPP	29.93037	75.12379	14:15:58	D	8.10
34	BATHINDA	TALWANDI SABO	AQUA	29.94900	75.08600	14:51:11	D	32.30
35	BATHINDA	TALWANDI SABO	AQUA	29.95800	75.08400	14:51:11	D	8.40
36	FARIDKOT	FARIDKOT	AQUA	30.63200	74.73800	14:51:11	D	33.40
37	FARIDKOT	FARIDKOT	AQUA	30.63400	74.75100	14:51:11	D	7.60
38	FARIDKOT	FARIDKOT	AQUA	30.75700	74.51400	14:51:11	D	8.40
39	FARIDKOT	KOT KAPURA	AQUA	30.54000	74.86800	14:51:11	D	7.40
40	FARIDKOT	KOT KAPURA	AQUA	30.54300	74.87500	14:51:11	D	9.30
41	FAZILKA	FAZILKA	S-NPP	30.47705	74.12140	14:15:58	D	24.30
42	FAZILKA	FAZILKA	AQUA	30.47000	74.12200	14:51:11	D	15.10
43	FAZILKA	FAZILKA	AQUA	30.48200	74.13400	14:51:11	D	77.90
44	FAZILKA	GURUHAR SAHAI	AQUA	30.57300	74.35700	14:51:11	D	29.30
45	FAZILKA	GURUHAR SAHAI	AQUA	30.57600	74.37100	14:51:11	D	41.20
46	FAZILKA	GURUHAR SAHAI	AQUA	30.58100	74.34000	14:51:11	D	16.10
47	FAZILKA	JALALABAD	S-NPP	30.52680	74.21158	14:15:58	D	7.70
48	FAZILKA	JALALABAD	S-NPP	30.53395	74.23615	14:15:58	D	1.70
49	FAZILKA	JALALABAD	S-NPP	30.56353	74.14677	14:15:58	D	7.00

50	FAZILKA	JALALABAD	S-NPP	30.56842	74.14269	14:15:58	D	6.40
51	FAZILKA	JALALABAD	S-NPP	30.56871	74.14625	14:15:58	D	9.80
52	FAZILKA	JALALABAD	AQUA	30.51100	74.13600	14:51:11	D	47.90
53	FAZILKA	JALALABAD	AQUA	30.51400	74.15000	14:51:11	D	39.90
54	FIROZPUR	FIROZPUR	AQUA	30.85600	74.60200	14:51:11	D	9.30
55	FIROZPUR	GHALL KHURD	S-NPP	30.88709	74.80457	14:15:58	D	3.00
56	FIROZPUR	GHALL KHURD	AQUA	30.82100	74.93100	14:51:11	D	9.40
57	FIROZPUR	GURUHAR SAHAI	S-NPP	30.72681	74.33898	14:15:58	D	4.10
58	FIROZPUR	GURUHAR SAHAI	S-NPP	30.73125	74.33719	14:15:58	D	9.70
59	FIROZPUR	GURUHAR SAHAI	AQUA	30.70000	74.30400	14:51:11	D	15.20
60	FIROZPUR	GURUHAR SAHAI	AQUA	30.70200	74.31800	14:51:11	D	8.80
61	FIROZPUR	GURUHAR SAHAI	AQUA	30.72000	74.35800	14:51:11	D	12.40
62	FIROZPUR	GURUHAR SAHAI	AQUA	30.73200	74.42600	14:51:11	D	15.50
63	FIROZPUR	GURUHAR SAHAI	AQUA	30.73400	74.44000	14:51:11	D	32.60
64	FIROZPUR	MAKHU	S-NPP	31.05289	74.96581	14:15:58	D	4.40
65	FIROZPUR	MAKHU	S-NPP	31.06959	74.96839	14:15:58	D	3.60
66	FIROZPUR	MAKHU	S-NPP	31.07034	74.96633	14:15:58	D	2.40
67	FIROZPUR	MAKHU	S-NPP	31.10531	74.83759	14:15:58	D	3.80
68	FIROZPUR	MAKHU	S-NPP	31.10559	74.84158	14:15:58	D	3.80
69	FIROZPUR	MAKHU	S-NPP	31.11853	75.10648	14:15:58	D	5.20
70	FIROZPUR	MAKHU	AQUA	31.03300	75.02700	14:51:11	D	10.50
71	FIROZPUR	MAKHU	AQUA	31.03700	75.03300	14:51:11	D	12.10
72	FIROZPUR	MAKHU	AQUA	31.08400	74.90300	14:51:11	D	7.10
73	FIROZPUR	MAMDOT	AQUA	30.88100	74.39200	14:51:11	D	12.90
74	FIROZPUR	ZIRA	S-NPP	30.91360	74.86986	14:15:58	D	6.20
75	FIROZPUR	ZIRA	S-NPP	30.96062	74.91383	14:15:58	D	3.10
76	FIROZPUR	ZIRA	S-NPP	30.96132	74.91325	14:15:58	D	3.10
77	FIROZPUR	ZIRA	S-NPP	31.02786	75.07901	14:15:58	D	3.10
78	FIROZPUR	ZIRA	S-NPP	31.04742	74.96630	14:15:58	D	2.20
79	FIROZPUR	ZIRA	AQUA	30.96300	75.08300	14:51:11	D	8.50
80	FIROZPUR	ZIRA	AQUA	30.97100	75.01500	14:51:11	D	10.00
81	GURDASPUR	DERA BABA NANAK	S-NPP	31.95432	75.03934	14:15:58	D	2.70
82	KAPURTHALA	DHILWAN	S-NPP	31.50945	75.39806	14:15:58	D	5.70

83	KAPURTHALA	KAPURTHALA	S-NPP	31.30933	75.29692	14:15:58	D	4.00
84	KAPURTHALA	NADALA	S-NPP	31.55775	75.48327	14:15:58	D	3.40
85	KAPURTHALA	NADALA	S-NPP	31.56929	75.39802	14:15:58	D	6.60
86	KAPURTHALA	NADALA	S-NPP	31.61825	75.53647	14:15:58	D	1.80
87	KAPURTHALA	NADALA	S-NPP	31.61871	75.54629	12:36:24	D	2.80
88	KAPURTHALA	NADALA	AQUA	31.55600	75.48300	14:51:11	D	10.60
89	KAPURTHALA	NADALA	AQUA	31.55700	75.43300	14:51:11	D	7.80
90	LUDHIANA	DORAHA	S-NPP	30.77193	75.94939	14:15:58	D	8.60
91	LUDHIANA	JAGRAON	S-NPP	30.62465	75.40258	14:15:58	D	3.60
92	LUDHIANA	PAKHOWAL	S-NPP	30.63673	75.75197	14:15:58	D	4.20
93	LUDHIANA	PAKHOWAL	AQUA	30.65100	75.74300	14:51:11	D	8.60
94	LUDHIANA	RAIKOT	S-NPP	30.59064	75.52640	14:15:58	D	5.90
95	LUDHIANA	RAIKOT	S-NPP	30.59089	75.60936	14:15:58	D	2.50
96	LUDHIANA	RAIKOT	S-NPP	30.59319	75.60906	14:15:58	D	3.80
97	LUDHIANA	RAIKOT	S-NPP	30.59346	75.52596	14:15:58	D	4.90
98	LUDHIANA	RAIKOT	AQUA	30.64700	75.54600	14:51:11	D	9.80
99	MALERKOTLA	AHMEDGARH	S-NPP	30.60256	75.85870	14:15:58	D	2.80
100	MALERKOTLA	AHMEDGARH	S-NPP	30.60330	75.85879	14:15:58	D	2.80
101	MALERKOTLA	AHMEDGARH	AQUA	30.59700	75.85800	14:51:11	D	9.60
102	MALERKOTLA	MALERKOTLA	AQUA	30.52900	75.95200	14:51:11	D	46.80
103	MALERKOTLA	MALERKOTLA	AQUA	30.53100	75.96400	14:51:11	D	29.70
104	MALERKOTLA	MALERKOTLA	AQUA	30.55300	75.77100	14:51:11	D	11.00
105	MALERKOTLA	MALERKOTLA	AQUA	30.56300	75.76900	14:51:11	D	20.70
106	MALERKOTLA	MALERKOTLA	AQUA	30.56600	75.90100	14:51:11	D	17.60
107	MALERKOTLA	MALERKOTLA	AQUA	30.57300	75.88800	14:51:11	D	18.00
108	MALERKOTLA	MALERKOTLA	AQUA	30.58100	75.99400	14:51:11	D	8.80
109	MANSA	BHIKHI	S-NPP	30.08590	75.44385	14:15:58	D	4.80
110	MANSA	BHIKHI	S-NPP	30.18621	75.45984	14:15:58	D	4.30
111	MANSA	BHIKHI	S-NPP	30.18649	75.46407	14:15:58	D	4.30
112	MANSA	BHIKHI	AQUA	30.01400	75.51500	14:51:11	D	9.00
113	MANSA	BHIKHI	AQUA	30.02400	75.51300	14:51:11	D	46.30
114	MANSA	BUDHLADA	S-NPP	29.76914	75.70831	14:15:58	D	2.20
115	MANSA	BUDHLADA	S-NPP	29.87814	75.39936	14:15:58	D	3.90

116	MANSA	BUDHLADA	S-NPP	29.87896	75.55167	12:36:24	D	4.00
117	MANSA	BUDHLADA	S-NPP	29.98820	75.55373	14:15:58	D	5.10
118	MANSA	BUDHLADA	AQUA	29.81800	75.45700	14:51:11	D	16.30
119	MANSA	BUDHLADA	AQUA	29.87500	75.55900	14:51:11	D	7.90
120	MANSA	BUDHLADA	AQUA	29.91800	75.57500	14:51:11	D	11.20
121	MANSA	BUDHLADA	AQUA	30.01600	75.65900	14:51:11	D	13.80
122	MANSA	MANSA	AQUA	29.98800	75.36700	14:51:11	D	11.80
123	MANSA	MANSA	AQUA	30.02900	75.37000	14:51:11	D	7.40
124	MANSA	MANSA	AQUA	30.08700	75.33800	14:51:11	D	8.20
125	MANSA	MANSA	AQUA	30.08900	75.35000	14:51:11	D	6.80
126	MANSA	MANSA	AQUA	30.09600	75.33500	14:51:11	D	8.40
127	MOGA	BAGHA PURANA	S-NPP	30.51592	75.03454	14:15:58	D	5.70
128	MOGA	BAGHA PURANA	S-NPP	30.51622	75.03856	14:15:58	D	5.70
129	MOGA	BAGHA PURANA	S-NPP	30.57723	75.04038	14:15:58	D	1.70
130	MOGA	BAGHA PURANA	S-NPP	30.60886	75.02123	14:15:58	D	4.00
131	MOGA	BAGHA PURANA	S-NPP	30.63337	75.05556	14:15:58	D	3.50
132	MOGA	BAGHA PURANA	AQUA	30.60200	75.03500	14:51:11	D	29.10
133	MOGA	KOT ISE KHAN AT DHARAMKOT	S-NPP	30.97265	75.18760	12:36:24	D	7.50
134	MOGA	KOT ISE KHAN AT DHARAMKOT	S-NPP	31.03684	75.12809	14:15:58	D	7.50
135	MOGA	KOT ISE KHAN AT DHARAMKOT	S-NPP	31.03713	75.13225	14:15:58	D	7.50
136	MOGA	KOT ISE KHAN AT DHARAMKOT	AQUA	30.91700	75.12600	14:51:11	D	8.80
137	MOGA	KOT ISE KHAN AT DHARAMKOT	AQUA	31.01000	75.12400	14:51:11	D	6.90
138	MOGA	MOGA 1	S-NPP	30.80446	75.12797	14:15:58	D	3.60
139	MOGA	MOGA 1	AQUA	30.80600	75.13200	14:51:11	D	8.10
140	MOGA	MOGA 2	S-NPP	30.81459	74.95940	14:15:58	D	8.80
141	MOGA	MOGA 2	S-NPP	30.82004	74.95891	14:15:58	D	7.40
142	MOGA	MOGA 2	AQUA	30.80300	75.12000	14:51:11	D	14.00
143	MOGA	NIHAL SINGH	S-NPP	30.58076	75.38973	14:15:58	D	8.20
144	MOGA	NIHAL SINGH	S-NPP	30.59472	75.37537	14:15:58	D	3.10
145	MUKTSAR	KOT BHAI AT GIDDERBAHA	AQUA	30.38300	74.67700	14:51:11	D	40.10
146	MUKTSAR	KOT BHAI AT GIDDERBAHA	AQUA	30.45900	74.64000	14:51:11	D	11.70
147	MUKTSAR	LAMBI	S-NPP	29.92740	74.57159	14:15:58	D	5.40
148	MUKTSAR	LAMBI	S-NPP	29.94954	74.61265	12:36:24	D	6.20

149	MUKTSAR	LAMBI	S-NPP	30.07590	74.53568	12:36:24	D	4.40
150	MUKTSAR	MALOUT	S-NPP	30.36267	74.48637	12:36:24	D	5.90
151	MUKTSAR	MUKTSAR	S-NPP	30.42429	74.38347	14:15:58	D	2.60
152	MUKTSAR	MUKTSAR	S-NPP	30.43317	74.50148	14:15:58	D	14.60
153	MUKTSAR	MUKTSAR	S-NPP	30.43345	74.50520	14:15:58	D	17.40
154	MUKTSAR	MUKTSAR	S-NPP	30.55044	74.45147	14:15:58	D	2.10
155	MUKTSAR	MUKTSAR	S-NPP	30.55572	74.45095	14:15:58	D	2.10
156	MUKTSAR	MUKTSAR	AQUA	30.49300	74.65900	14:51:11	D	10.90
157	PATIALA	NABHA	S-NPP	30.42881	76.30127	14:15:58	D	6.10
158	PATIALA	NABHA	S-NPP	30.43273	76.30164	14:15:58	D	6.10
159	PATIALA	NABHA	AQUA	30.38600	76.11000	14:51:11	D	6.40
160	PATIALA	NABHA	AQUA	30.41200	76.09200	14:51:11	D	7.40
161	PATIALA	PATIALA	AQUA	30.37500	76.31800	14:51:11	D	9.90
162	PATIALA	PATRAN	S-NPP	29.87022	76.05816	14:15:58	D	12.70
163	PATIALA	PATRAN	AQUA	29.85900	76.06200	14:51:11	D	8.90
164	PATIALA	PATRAN	AQUA	29.93800	76.09900	14:51:11	D	6.70
165	PATIALA	PATRAN	AQUA	29.96200	76.12900	14:51:11	D	8.60
166	PATIALA	SAMANA	S-NPP	30.19056	76.18367	12:36:24	D	3.30
167	SANGRUR	ANDANA	S-NPP	29.79918	75.86151	14:15:58	D	2.50
168	SANGRUR	ANDANA	S-NPP	29.80036	75.87917	14:15:58	D	3.50
169	SANGRUR	ANDANA	S-NPP	29.86990	76.05360	14:15:58	D	7.30
170	SANGRUR	ANDANA	S-NPP	29.87440	76.03499	14:15:58	D	5.90
171	SANGRUR	ANDANA	AQUA	29.77500	76.00300	14:51:11	D	8.00
172	SANGRUR	ANDANA	AQUA	29.81800	75.87700	14:51:11	D	11.90
173	SANGRUR	ANDANA	AQUA	29.85700	76.05100	14:51:11	D	6.80
174	SANGRUR	BHAWANIGARH	AQUA	30.23000	76.00200	14:51:11	D	6.70
175	SANGRUR	BHAWANIGARH	AQUA	30.24500	76.03500	14:51:11	D	6.80
176	SANGRUR	BHAWANIGARH	AQUA	30.27200	76.13600	14:51:11	D	10.60
177	SANGRUR	BHAWANIGARH	AQUA	30.28100	76.13400	14:51:11	D	12.10
178	SANGRUR	BHAWANIGARH	AQUA	30.30000	75.98100	14:51:11	D	5.00
179	SANGRUR	BHAWANIGARH	AQUA	30.30600	76.07500	14:51:11	D	11.00
180	SANGRUR	BHAWANIGARH	AQUA	30.32600	76.02300	14:51:11	D	11.50
181	SANGRUR	DHURI	AQUA	30.34500	75.86700	14:51:11	D	7.60

182	SANGRUR	DHURI	AQUA	30.35600	75.81600	14:51:11	D	26.60
183	SANGRUR	DIRBA	S-NPP	30.08356	75.94143	14:15:58	D	2.30
184	SANGRUR	DIRBA	S-NPP	30.09854	75.99018	14:15:58	D	3.70
185	SANGRUR	DIRBA	S-NPP	30.12601	75.95268	14:15:58	D	5.50
186	SANGRUR	DIRBA	S-NPP	30.12799	75.95430	12:36:24	D	3.60
187	SANGRUR	DIRBA	S-NPP	30.13176	75.95221	14:15:58	D	4.40
188	SANGRUR	DIRBA	S-NPP	30.17009	75.92178	14:15:58	D	2.60
189	SANGRUR	DIRBA	AQUA	30.09400	75.97900	14:51:11	D	9.50
190	SANGRUR	DIRBA	AQUA	30.09600	75.99100	14:51:11	D	25.30
191	SANGRUR	DIRBA	AQUA	30.12900	75.95900	14:51:11	D	15.00
192	SANGRUR	DIRBA	AQUA	30.13100	75.97100	14:51:11	D	13.10
193	SANGRUR	SANGRUR	S-NPP	30.20218	75.72712	14:15:58	D	6.40
194	SANGRUR	SANGRUR	S-NPP	30.20424	75.72669	14:15:58	D	11.50
195	SANGRUR	SANGRUR	S-NPP	30.25599	75.81551	14:15:58	D	12.30
196	SANGRUR	SANGRUR	S-NPP	30.29491	75.87968	14:15:58	D	3.30
197	SANGRUR	SANGRUR	AQUA	30.17700	75.85700	14:51:11	D	12.20
198	SANGRUR	SANGRUR	AQUA	30.19700	75.63000	14:51:11	D	10.70
199	SANGRUR	SANGRUR	AQUA	30.19900	75.64200	14:51:11	D	10.80
200	SANGRUR	SANGRUR	AQUA	30.21700	75.75000	14:51:11	D	17.20
201	SANGRUR	SANGRUR	AQUA	30.21900	75.76200	14:51:11	D	6.80
202	SANGRUR	SANGRUR	AQUA	30.22400	75.90700	14:51:11	D	17.40
203	SANGRUR	SANGRUR	AQUA	30.23100	75.69200	14:51:11	D	8.30
204	SANGRUR	SANGRUR	AQUA	30.28100	75.75400	14:51:11	D	18.40
205	SANGRUR	SANGRUR	AQUA	30.28300	75.76600	14:51:11	D	6.80
206	SANGRUR	SANGRUR	AQUA	30.29200	75.93500	14:51:11	D	11.00
207	SANGRUR	SHER PUR	S-NPP	30.35383	75.70798	14:15:58	D	2.90
208	SANGRUR	SHER PUR	S-NPP	30.40393	75.77042	14:15:58	D	6.30
209	SANGRUR	SHER PUR	S-NPP	30.40425	75.77485	14:15:58	D	6.60
210	SANGRUR	SHER PUR	S-NPP	30.40533	75.77037	14:15:58	D	11.00
211	SANGRUR	SHER PUR	S-NPP	30.40562	75.77482	14:15:58	D	10.60
212	SANGRUR	SHER PUR	AQUA	30.48800	75.70700	14:51:11	D	12.00
213	SANGRUR	SUNAM	S-NPP	30.03075	75.92779	14:15:58	D	6.90
214	SANGRUR	SUNAM	S-NPP	30.04770	75.75692	14:15:58	D	11.00

215	SANGRUR	SUNAM	S-NPP	30.07916	75.87874	14:15:58	D	3.80
216	SANGRUR	SUNAM	S-NPP	30.14427	75.71439	14:15:58	D	5.40
217	SANGRUR	SUNAM	AQUA	29.98800	75.72800	14:51:11	D	12.60
218	SANGRUR	SUNAM	AQUA	30.00700	75.78500	14:51:11	D	16.10
219	SANGRUR	SUNAM	AQUA	30.04100	75.75300	14:51:11	D	23.20
220	SANGRUR	SUNAM	AQUA	30.04600	75.75800	14:51:11	D	13.40
221	SANGRUR	SUNAM	AQUA	30.05600	75.75600	14:51:11	D	16.70
222	SANGRUR	SUNAM	AQUA	30.06300	75.88300	14:51:11	D	15.40
223	SANGRUR	SUNAM	AQUA	30.06900	75.88800	14:51:11	D	15.80
224	SANGRUR	SUNAM	AQUA	30.08300	75.79900	14:51:11	D	15.00
225	SANGRUR	SUNAM	AQUA	30.09400	75.74800	14:51:11	D	33.90
226	SANGRUR	SUNAM	AQUA	30.09600	75.64700	14:51:11	D	23.80
227	SANGRUR	SUNAM	AQUA	30.09800	75.65900	14:51:11	D	8.80
228	SAS NAGAR	DERABASSI	S-NPP	30.45593	76.76602	12:36:24	D	5.20
229	SAS NAGAR	DERABASSI	AQUA	30.48100	76.73900	14:51:11	D	6.70
230	TARN TARAN	CHOHLA SAHIB	S-NPP	31.24544	75.02362	14:15:58	D	2.10
231	TARN TARAN	CHOHLA SAHIB	S-NPP	31.25841	74.97291	14:15:58	D	1.80
232	TARN TARAN	CHOHLA SAHIB	S-NPP	31.29061	75.03617	14:15:58	D	5.10
233	TARN TARAN	CHOHLA SAHIB	S-NPP	31.29081	75.03661	14:15:58	D	7.20
234	TARN TARAN	CHOHLA SAHIB	AQUA	31.26000	74.90100	14:51:11	D	8.30
235	TARN TARAN	GANDIWIND TATLA	AQUA	31.48800	74.72000	14:51:11	D	8.10
236	TARN TARAN	KHADUR SAHIB	S-NPP	31.51022	75.18158	14:15:58	D	5.20
237	TARN TARAN	KHADUR SAHIB	S-NPP	31.51155	75.18533	14:15:58	D	4.90
238	TARN TARAN	NAUSHERA PANNUAN	S-NPP	31.36493	74.98846	14:15:58	D	0.80
239	TARN TARAN	NAUSHERA PANNUAN	S-NPP	31.41228	75.03786	14:15:58	D	8.20
240	TARN TARAN	NAUSHERA PANNUAN	S-NPP	31.41282	75.03824	14:15:58	D	11.70
241	TARN TARAN	PATTI	S-NPP	31.14244	74.82214	14:15:58	D	1.50
242	TARN TARAN	PATTI	S-NPP	31.24740	74.89622	14:15:58	D	1.50
243	TARN TARAN	PATTI	S-NPP	31.30167	74.87125	14:15:58	D	5.80
244	TARN TARAN	PATTI	AQUA	31.14300	74.76100	14:51:11	D	7.50
245	TARN TARAN	PATTI	AQUA	31.17500	74.76100	14:51:11	D	7.70
246	TARN TARAN	PATTI	AQUA	31.27500	74.87100	14:51:11	D	6.70
247	TARN TARAN	PATTI	AQUA	31.31300	74.84200	14:51:11	D	16.40

248	TARN TARAN	PATTI	AQUA	31.31600	74.85500	14:51:11	D	9.80
249	TARN TARAN	TARN TARAN	S-NPP	31.41156	74.86479	14:15:58	D	2.30
250	TARN TARAN	TARN TARAN	AQUA	31.38900	74.80500	14:51:11	D	15.90
251	TARN TARAN	VALTOHA	S-NPP	31.13636	74.52402	14:15:58	D	3.40
252	TARN TARAN	VALTOHA	S-NPP	31.14047	74.59875	12:36:24	D	4.30
253	TARN TARAN	VALTOHA	AQUA	31.10300	74.59300	14:51:11	D	9.00
254	TARN TARAN	VALTOHA	AQUA	31.13400	74.65400	14:51:11	D	16.90
255	TARN TARAN	VALTOHA	AQUA	31.19800	74.66100	14:51:11	D	8.70
256	TARN TARAN	VALTOHA	AQUA	31.20100	74.56300	14:51:11	D	10.70

Details of residue burning events in Haryana on 03-Nov-2025

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m ²)
1	FATEHABAD	FATEHABAD	S-NPP	29.51812	75.46335	14:15:58	D	4.30
2	FATEHABAD	FATEHABAD	S-NPP	29.51843	75.46750	14:15:58	D	5.90
3	FATEHABAD	FATEHABAD	AQUA	29.55700	75.56100	14:51:11	D	11.30
4	FATEHABAD	JAKHAL	S-NPP	29.76914	75.70831	14:15:58	D	2.20
5	FATEHABAD	TOHANA	AQUA	29.58900	75.88700	14:51:11	D	8.20
6	HISAR	HISAR-I	S-NPP	29.17500	75.80212	12:36:24	D	8.40
7	HISAR	NARNAUND	AQUA	29.25500	76.16900	14:51:11	D	9.80
8	JIND	NARWANA	S-NPP	29.77442	76.08010	12:36:24	D	10.60
9	JIND	NARWANA	AQUA	29.72600	76.09200	14:51:11	D	22.40
10	KAITHAL	GUHLA	AQUA	29.99500	76.32200	14:51:11	D	6.30
11	KAITHAL	KALAYAT	S-NPP	29.61792	76.38218	14:15:58	D	4.90
12	KAITHAL	KALAYAT	S-NPP	29.61943	76.38167	14:15:58	D	4.90
13	KAITHAL	KALAYAT	AQUA	29.65800	76.36300	14:51:11	D	13.50
14	KAITHAL	SIWAN	S-NPP	29.94296	76.27186	14:15:58	D	4.70
15	PALWAL	HASSANPUR	S-NPP	27.98662	77.40395	12:36:24	D	6.70
16	PALWAL	HODAL	S-NPP	27.89073	77.46391	14:15:58	D	5.90
17	PALWAL	HODAL	S-NPP	27.89080	77.46653	14:15:58	D	9.80
18	PALWAL	HODAL	S-NPP	27.89108	77.46912	14:15:58	D	9.00
19	ROHTAK	SAMPLA	S-NPP	28.79088	76.72814	14:15:58	D	2.40

20	SIRSA	ODHAN	S-NPP	29.87903	74.90684	12:36:24	D	3.80
21	YAMUNANAGAR	RADAUR	S-NPP	30.08799	77.08480	01:26:24	N	2.40
22	YAMUNANAGAR	RADAUR	S-NPP	30.09002	77.08441	03:05:58	N	1.00
23	YAMUNANAGAR	RADAUR	S-NPP	30.09003	77.08592	03:05:58	N	1.40

Details of residue burning events in Uttar Pradesh on 03-Nov-2025

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	ALIGARH	IGLAS	AQUA	27.83869	77.79498	14:54:00	D	8.34
2	BAREILLY	NAWABGANJ	S-NPP	28.59937	79.57785	12:39:00	D	1.86
3	BULANDSAHAR	SIYANA	S-NPP	28.48479	78.06319	14:19:00	D	3.36
4	FIROZABAD	JASRANA	AQUA	27.19732	78.55488	14:54:00	D	4.90
5	GAUTAMBUDHNAGAR	JEVAR	S-NPP	28.11332	77.59379	01:23:00	N	0.29
6	HATHRAS	SASNI	S-NPP	27.74777	78.17440	14:19:00	D	4.87
7	HATHRAS	SASNI	S-NPP	27.74969	78.17161	14:19:00	D	7.28
8	JALAUN	MADHOGARH	AQUA	26.17790	79.21735	14:54:00	D	6.85
9	JALAUN	URAI	AQUA	25.95302	79.50623	14:54:00	D	7.71
10	JALAUN	URAI	AQUA	25.95445	79.51589	14:54:00	D	13.96
11	KANPUR	Ghatampur	AQUA	26.20764	80.04280	14:54:00	D	4.96
12	KANPUR DEHAT	AKBARPUR	AQUA	26.29949	79.98084	14:54:00	D	7.16
13	KANPUR DEHAT	BHOGANIPUR	AQUA	26.28344	79.99369	14:54:00	D	9.97
14	KHERI	GOLA	S-NPP	28.22342	80.31344	12:37:00	D	3.54
15	MATHURA	CHHATA	S-NPP	27.67892	77.43082	14:19:00	D	6.20
16	MATHURA	CHHATA	S-NPP	27.67919	77.42773	14:19:00	D	3.30
17	MATHURA	CHHATA	S-NPP	27.67951	77.43288	14:19:00	D	5.38
18	MATHURA	CHHATA	S-NPP	27.69296	77.45569	14:19:00	D	6.97
19	MATHURA	CHHATA	S-NPP	27.69306	77.45259	14:19:00	D	5.62
20	MATHURA	CHHATA	S-NPP	27.69339	77.45779	14:19:00	D	5.62
21	MATHURA	CHHATA	AQUA	27.83501	77.47725	14:54:00	D	5.01
22	MATHURA	MATHURA	AQUA	27.42065	77.44077	14:54:00	D	27.79
23	SHAHJAHANPUR	PUWANYA	S-NPP	28.13655	80.01155	12:37:00	D	3.92
24	SITAPUR	LAHARPUR	S-NPP	27.67090	80.79642	12:37:00	D	1.42

Details of residue burning events in Rajasthan on 03-Nov-2025

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	BARAN	CHHABRA	S-NPP	24.69208	76.80061	14:17:00	D	1.62
2	BARAN	KISHANGUNJ	S-NPP	24.86772	76.87307	12:37:00	D	4.44
3	BARAN	KISHANGUNJ	S-NPP	24.86775	76.86905	14:17:00	D	4.45
4	BARAN	KISHANGUNJ	S-NPP	24.86990	76.87048	12:37:00	D	5.92
5	BARAN	KISHANGUNJ	AQUA	24.86379	76.86805	14:54:00	D	10.23
6	BARAN	SHAHBAD	S-NPP	25.09540	77.01060	14:17:00	D	4.47
7	BARAN	SHAHBAD	S-NPP	25.12687	77.05880	12:37:00	D	10.61
8	BARAN	SHAHBAD	AQUA	25.13703	76.89059	14:54:00	D	11.16
9	GANGANAGAR	ANAPGARH	S-NPP	29.21528	73.17670	14:19:00	D	5.77
10	GANGANAGAR	GANGANAGAR	S-NPP	30.15417	73.93037	14:19:00	D	3.28
11	GANGANAGAR	GANGANAGAR	S-NPP	30.15746	73.93065	14:19:00	D	3.75
12	GANGANAGAR	RAISINGHNAGAR	AQUA	29.34889	73.48896	14:54:00	D	20.51
13	GANGANAGAR	SURATGARH	S-NPP	29.28649	74.15370	14:19:00	D	5.57
14	GANGANAGAR	SURATGARH	S-NPP	29.28677	74.15707	14:19:00	D	7.44
15	GANGANAGAR	VIJAY NAGAR	S-NPP	29.20468	73.49474	14:19:00	D	6.01
16	GANGANAGAR	VIJAY NAGAR	S-NPP	29.20521	73.50089	14:19:00	D	6.94
17	HANUMANGARH	BHADRA	S-NPP	29.23945	75.36899	14:19:00	D	4.03
18	HANUMANGARH	HANUMANGARH	S-NPP	29.47772	74.16203	14:19:00	D	2.35
19	HANUMANGARH	HANUMANGARH	S-NPP	29.49535	74.25062	14:19:00	D	5.21
20	HANUMANGARH	HANUMANGARH	S-NPP	29.54356	74.24466	14:19:00	D	6.12
21	HANUMANGARH	HANUMANGARH	S-NPP	29.54686	74.24539	14:19:00	D	6.13
22	HANUMANGARH	HANUMANGARH	S-NPP	29.56195	74.35942	12:39:00	D	2.95
23	HANUMANGARH	HANUMANGARH	S-NPP	29.60040	74.36977	14:19:00	D	1.20
24	HANUMANGARH	HANUMANGARH	AQUA	29.51431	74.17358	14:54:00	D	19.39
25	HANUMANGARH	HANUMANGARH	AQUA	29.59301	74.36716	14:54:00	D	12.68
26	HANUMANGARH	HANUMANGARH	AQUA	29.60329	74.36464	14:54:00	D	19.72
27	HANUMANGARH	PILIBANGA	S-NPP	29.39044	73.95052	14:19:00	D	8.78
28	HANUMANGARH	PILIBANGA	S-NPP	29.39491	73.94337	14:19:00	D	6.10
29	HANUMANGARH	PILIBANGA	S-NPP	29.41093	74.01043	14:19:00	D	2.71

30	HANUMANGARH	PILIBANGA	S-NPP	29.41572	74.00658	14:19:00	D	5.56
31	HANUMANGARH	PILIBANGA	S-NPP	29.41601	74.00991	14:19:00	D	5.56
32	HANUMANGARH	PILIBANGA	S-NPP	29.44003	74.01563	14:19:00	D	3.26
33	HANUMANGARH	PILIBANGA	S-NPP	29.44030	74.01899	14:19:00	D	3.26
34	HANUMANGARH	PILIBANGA	S-NPP	29.44068	74.08689	14:19:00	D	3.90
35	HANUMANGARH	PILIBANGA	S-NPP	29.44096	74.09027	14:19:00	D	4.12
36	HANUMANGARH	PILIBANGA	S-NPP	29.46302	74.10854	14:19:00	D	2.90
37	HANUMANGARH	PILIBANGA	S-NPP	29.47836	73.98455	14:19:00	D	17.32
38	HANUMANGARH	TIBI	S-NPP	29.38483	74.44404	14:19:00	D	1.38
39	HANUMANGARH	TIBI	S-NPP	29.49123	74.52579	14:19:00	D	3.34
40	HANUMANGARH	TIBI	S-NPP	29.50466	74.49544	14:19:00	D	2.70
41	HANUMANGARH	TIBI	S-NPP	29.50917	74.43385	12:39:00	D	6.26
42	HANUMANGARH	TIBI	S-NPP	29.51881	74.60721	14:19:00	D	7.65
43	HANUMANGARH	TIBI	S-NPP	29.52408	74.60670	14:19:00	D	7.65
44	HANUMANGARH	TIBI	S-NPP	29.53616	74.50248	12:39:00	D	8.76
45	HANUMANGARH	TIBI	S-NPP	29.54165	74.49770	12:39:00	D	7.75
46	HANUMANGARH	TIBI	S-NPP	29.54284	74.50011	12:39:00	D	8.76
47	HANUMANGARH	TIBI	S-NPP	29.54308	74.57912	14:19:00	D	2.74
48	HANUMANGARH	TIBI	S-NPP	29.54362	74.50478	12:39:00	D	11.79
49	HANUMANGARH	TIBI	AQUA	29.49431	74.57507	14:54:00	D	9.98
50	HANUMANGARH	TIBI	AQUA	29.55243	74.55442	14:54:00	D	34.13
51	HANUMANGARH	TIBI	AQUA	29.55283	74.54633	14:54:00	D	10.54
52	HANUMANGARH	TIBI	AQUA	29.55501	74.56838	14:54:00	D	13.33
53	HANUMANGARH	TIBI	AQUA	29.55532	74.56033	14:54:00	D	41.24
54	HANUMANGARH	TIBI	AQUA	29.62992	74.47178	14:54:00	D	9.41
55	HANUMANGARH	TIBI	AQUA	29.63253	74.48586	14:54:00	D	16.97
56	HANUMANGARH	TIBI	AQUA	29.63394	74.47604	14:54:00	D	21.25
57	KOTA	DIGOD	S-NPP	25.25230	76.03743	12:37:00	D	6.05
58	PALI	JAITARAN	S-NPP	26.25569	74.09612	03:03:00	N	1.46
59	PALI	JAITARAN	S-NPP	26.25916	74.09500	03:03:00	N	1.05

Details of residue burning events in Madhya Pradesh on 03-Nov-2025

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m ²)
1	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.37340	77.74046	12:37:00	D	2.87
2	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.42628	77.60828	14:17:00	D	1.31
3	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.43924	77.69448	14:17:00	D	4.17
4	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.44093	77.69520	14:17:00	D	3.75
5	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.47814	77.72538	14:17:00	D	2.01
6	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.47963	77.72606	14:17:00	D	1.87
7	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.56692	77.90067	14:17:00	D	4.08
8	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.64437	77.63599	14:17:00	D	2.76
9	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.64613	77.63654	14:17:00	D	3.16
10	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.66232	77.52959	14:17:00	D	4.41
11	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.66587	77.52885	14:17:00	D	2.77
12	ASHOKNAGAR	ISAGARH	S-NPP	24.78595	77.87233	14:17:00	D	4.03
13	ASHOKNAGAR	ISAGARH	AQUA	24.70268	77.84306	14:51:00	D	5.37
14	ASHOKNAGAR	MUNGAOLI	S-NPP	24.30982	78.01041	14:17:00	D	2.79
15	ASHOKNAGAR	MUNGAOLI	S-NPP	24.32590	77.97878	14:17:00	D	6.53
16	ASHOKNAGAR	MUNGAOLI	S-NPP	24.32931	78.08762	12:37:00	D	9.78
17	ASHOKNAGAR	MUNGAOLI	S-NPP	24.33069	78.09323	12:37:00	D	9.92
18	ASHOKNAGAR	MUNGAOLI	S-NPP	24.33178	78.08968	12:37:00	D	15.04
19	ASHOKNAGAR	MUNGAOLI	S-NPP	24.33709	78.00377	12:37:00	D	6.00
20	ASHOKNAGAR	MUNGAOLI	S-NPP	24.34230	77.91668	12:37:00	D	5.25
21	ASHOKNAGAR	MUNGAOLI	S-NPP	24.35036	77.97684	14:17:00	D	1.78
22	ASHOKNAGAR	MUNGAOLI	S-NPP	24.36103	78.11390	14:17:00	D	17.94
23	ASHOKNAGAR	MUNGAOLI	S-NPP	24.52017	78.18999	14:17:00	D	4.67
24	ASHOKNAGAR	MUNGAOLI	S-NPP	24.54103	77.97065	14:17:00	D	4.30
25	ASHOKNAGAR	MUNGAOLI	S-NPP	24.55720	78.02054	14:17:00	D	2.43
26	ASHOKNAGAR	MUNGAOLI	S-NPP	24.56045	77.90352	14:17:00	D	6.78
27	ASHOKNAGAR	MUNGAOLI	S-NPP	24.56081	77.90120	14:17:00	D	4.08
28	ASHOKNAGAR	MUNGAOLI	S-NPP	24.56294	78.01485	14:17:00	D	4.11
29	ASHOKNAGAR	MUNGAOLI	AQUA	24.32456	77.97470	14:51:00	D	9.92

30	ASHOKNAGAR	MUNGAOLI	AQUA	24.33430	77.91782	14:51:00	D	13.34
31	ASHOKNAGAR	MUNGAOLI	AQUA	24.34864	77.94800	14:51:00	D	6.75
32	ASHOKNAGAR	MUNGAOLI	AQUA	24.51613	77.83665	14:51:00	D	11.58
33	ASHOKNAGAR	MUNGAOLI	AQUA	24.56350	78.01402	14:51:00	D	6.71
34	BHOPAL	BERASIYA	S-NPP	23.55602	77.45634	14:17:00	D	6.22
35	BHOPAL	BERASIYA	S-NPP	23.55640	77.46089	14:17:00	D	6.22
36	GUNA	GUNA	S-NPP	24.82202	77.10268	14:17:00	D	4.74
37	GUNA	GUNA	AQUA	24.65833	77.12212	14:51:00	D	10.35
38	HOSHANGABAD	HOSHANGABAD	AQUA	22.60847	77.57661	14:51:00	D	8.59
39	HOSHANGABAD	ITARSI	AQUA	22.57120	77.73116	14:51:00	D	7.00
40	HOSHANGABAD	ITARSI	AQUA	22.57411	77.72511	14:51:00	D	7.94
41	HOSHANGABAD	SEONI MALWA	S-NPP	22.45711	77.31533	14:17:00	D	2.31
42	HOSHANGABAD	SEONI MALWA	S-NPP	22.58126	77.54010	14:17:00	D	3.23
43	HOSHANGABAD	SEONI MALWA	AQUA	22.62962	77.52458	14:51:00	D	5.83
44	JABALPUR	SAHPURA	AQUA	22.94025	79.66669	14:51:00	D	5.22
45	MANDSAUR	SITAMAU	AQUA	23.97758	75.34520	14:51:00	D	120.72
46	MORENA	JORA	S-NPP	26.34488	77.71935	14:19:00	D	3.93
47	MORENA	JORA	S-NPP	26.34541	77.71841	14:19:00	D	5.68
48	MORENA	JORA	AQUA	26.36582	77.80460	14:54:00	D	10.17
49	RAISEN	GOHARGANJ	S-NPP	23.07163	77.54253	14:17:00	D	5.88
50	RAISEN	RAISEN	S-NPP	23.39993	77.79667	12:37:00	D	2.90
51	SAGAR	GARHAKOTA	S-NPP	23.66081	79.22410	14:17:00	D	6.52
52	SAGAR	KHURAI	AQUA	23.99198	78.38733	14:51:00	D	7.06
53	SAGAR	SAGAR	S-NPP	23.89080	78.57626	12:37:00	D	3.10
54	SAGAR	SAGAR	S-NPP	23.89408	78.57742	12:37:00	D	4.46
55	SEHORE	BUDHNI	S-NPP	22.69678	77.52162	14:17:00	D	4.34
56	SEHORE	BUDHNI	AQUA	22.74388	77.45392	14:51:00	D	19.58
57	SEHORE	NASRULLAHGANJ	S-NPP	22.64345	77.37627	14:17:00	D	3.12
58	SEHORE	NASRULLAHGANJ	S-NPP	22.70578	77.28754	14:17:00	D	6.37
59	SEONI	GHANSAUR	AQUA	22.40939	79.82822	14:51:00	D	8.00
60	SEONI	GHANSAUR	AQUA	22.59809	79.79217	14:51:00	D	5.21
61	SEONI	KEWLARI	S-NPP	22.32273	79.79345	12:37:00	D	3.80
62	SEONI	KEWLARI	S-NPP	22.44045	80.06652	14:17:00	D	5.73
63	SEONI	KEWLARI	S-NPP	22.44288	80.07063	14:17:00	D	11.98

64	SEONI	KEWLARI	S-NPP	22.51164	79.99238	12:37:00	D	3.73
65	SEONI	KEWLARI	S-NPP	22.51523	79.99063	12:37:00	D	4.03
66	SEONI	KEWLARI	AQUA	22.30462	79.80358	14:51:00	D	9.98
67	SEONI	KEWLARI	AQUA	22.39028	79.88055	14:51:00	D	6.44
68	SEONI	KEWLARI	AQUA	22.48691	80.02252	14:51:00	D	7.99
69	SEONI	LAKHNADOU	S-NPP	22.65626	79.71021	12:37:00	D	3.83
70	SEONI	SEONI	S-NPP	22.23651	79.69636	12:37:00	D	5.31
71	SEONI	SEONI	S-NPP	22.23661	79.69785	12:37:00	D	5.59
72	SEONI	SEONI	S-NPP	22.24992	79.53709	12:37:00	D	3.06
73	SEONI	SEONI	S-NPP	22.25597	79.53541	12:37:00	D	3.06
74	SEONI	SEONI	S-NPP	22.32856	79.73898	14:17:00	D	2.47
75	SEONI	SEONI	S-NPP	22.33191	79.77228	12:37:00	D	6.63
76	SEONI	SEONI	AQUA	22.33544	79.76862	14:51:00	D	7.36
77	SHEOPUR	KARAHAL	S-NPP	25.56593	76.75800	14:17:00	D	2.79
78	SHEOPUR	SHEOPUR	S-NPP	25.85387	76.78854	14:17:00	D	5.28
79	SHEOPUR	SHEOPUR	S-NPP	25.85394	76.78864	14:17:00	D	5.56
80	VIDESHA	KORWAI	S-NPP	24.05433	78.04935	12:37:00	D	3.48
81	VIDESHA	KORWAI	S-NPP	24.18697	77.92961	14:17:00	D	2.22
82	VIDESHA	SIRANJ	S-NPP	24.18094	77.54046	14:17:00	D	5.95
83	VIDESHA	VIDESHA	S-NPP	23.63404	77.74380	14:17:00	D	1.67
84	VIDESHA	VIDESHA	AQUA	23.57609	77.69989	14:51:00	D	7.44

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)**
