

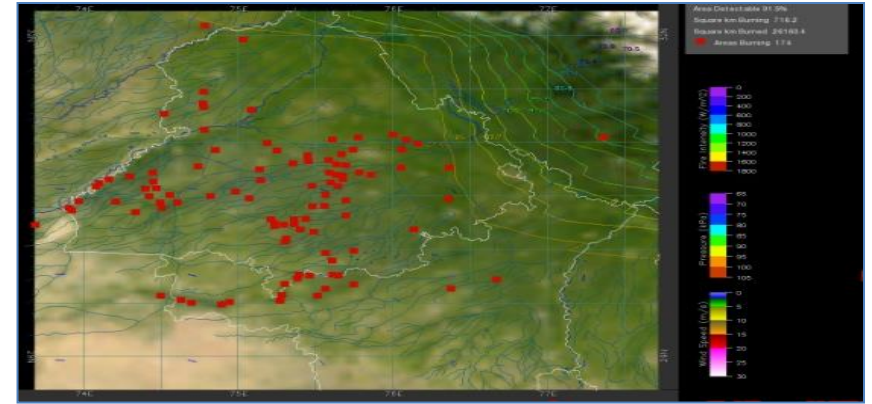
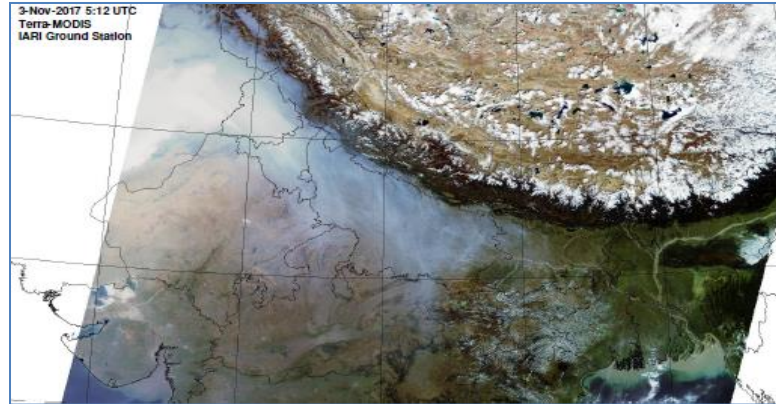


MONITORING PADDY RESIDUE BURNING IN INDIA USING SATELLITE REMOTE SENSING DURING 2024

Bulletin
No. 74

Events Date:
27-Nov-2024

Issued on:
27-Nov-2024



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

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

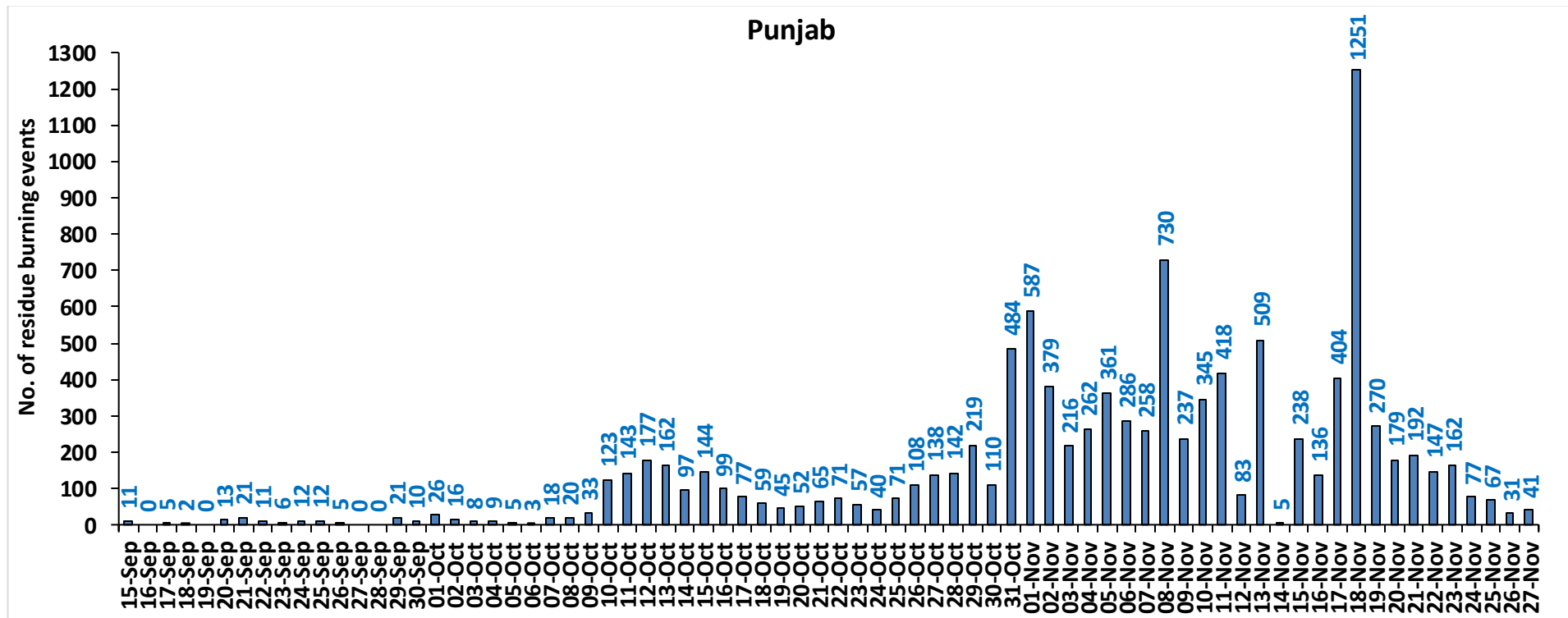
<https://creams.iari.res.in>

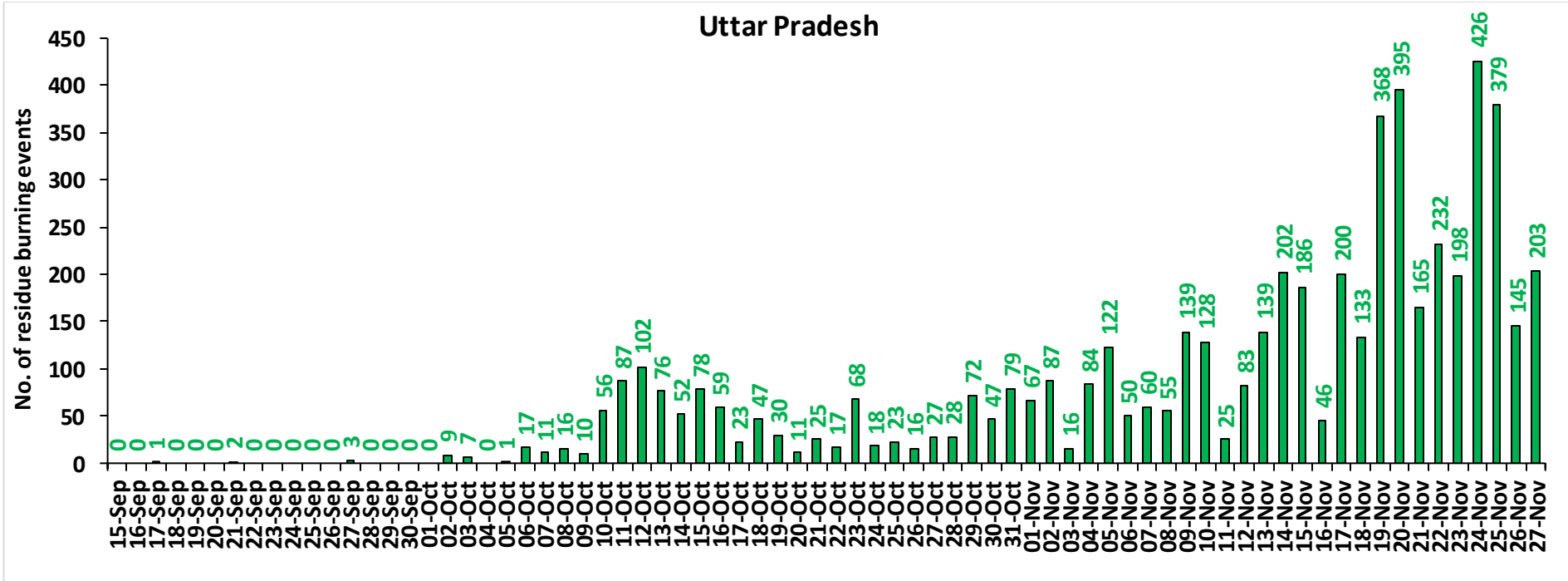
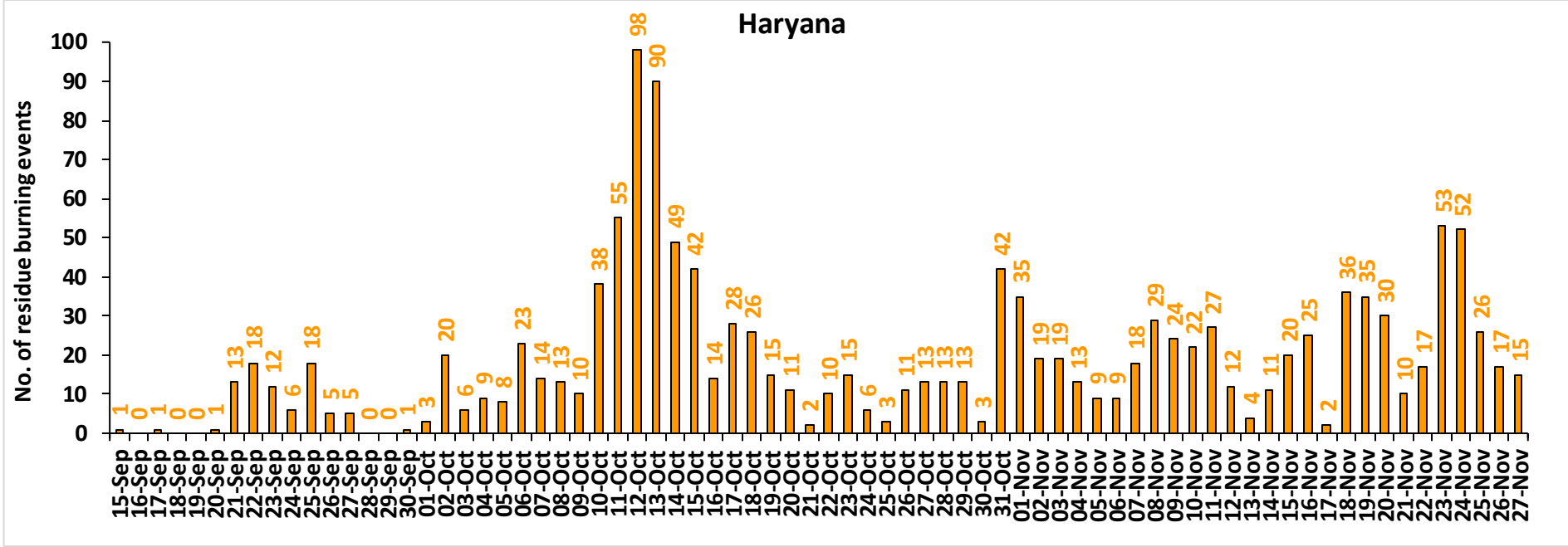


Highlights for 27-Nov-2024

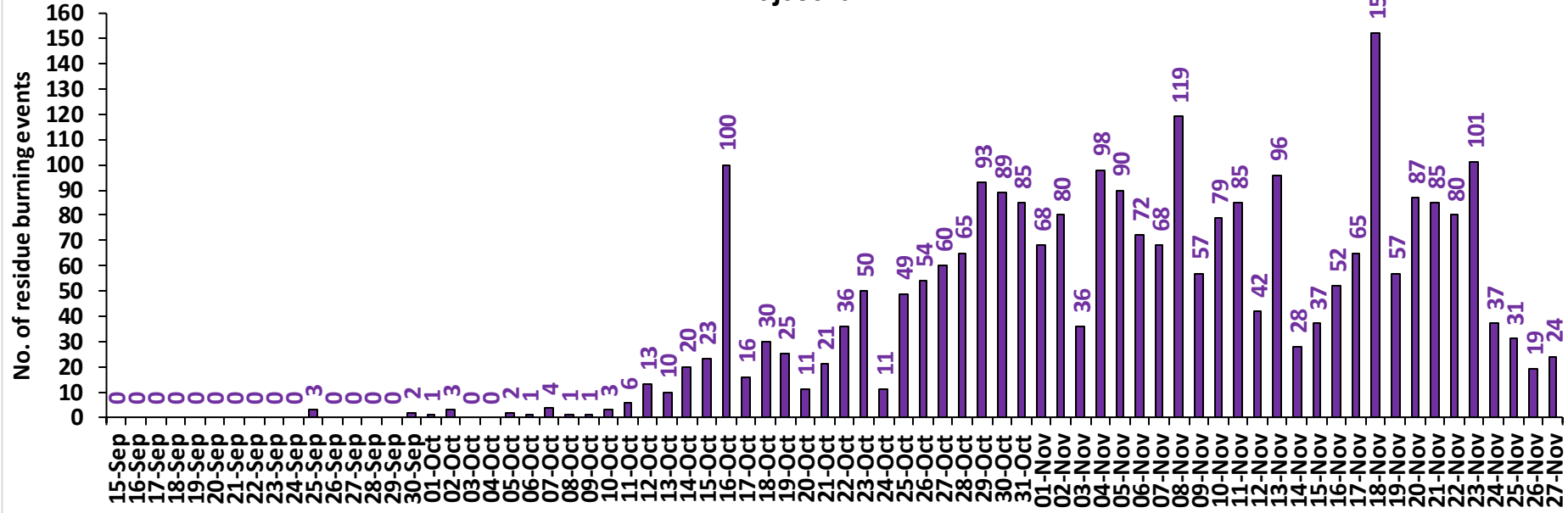
- The active fire events due to rice residue burning were monitored using satellite remote sensing, following the "Standard Protocol " recommended by CAQM.
- Satellites detected **503** residue burning events in the six study States on **27-Nov-2024**.
- The state wise events detected on **27-Nov-2024** were **41** in Punjab, **15** in Haryana, **203** in UP, **00** in Delhi, **24** in Rajasthan and **220** in MP.
- Total **35871** burning events were detected in the six states between **15-Sept-2024** and **27-Nov-2024**, which are distributed as **10821**, **1373**, **5451**, **12**, **2733** and **15481** in Punjab, Haryana, UP, Delhi, Rajasthan and MP, respectively.

Temporal distribution of rice residue burning events for the study States in 2024

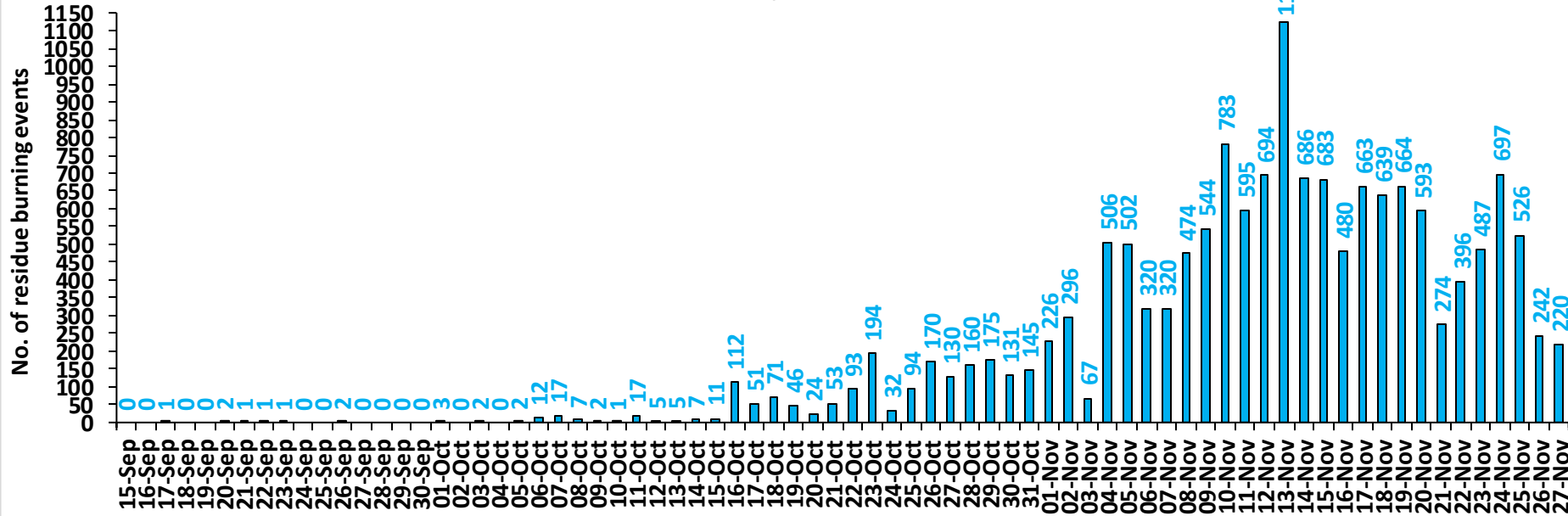




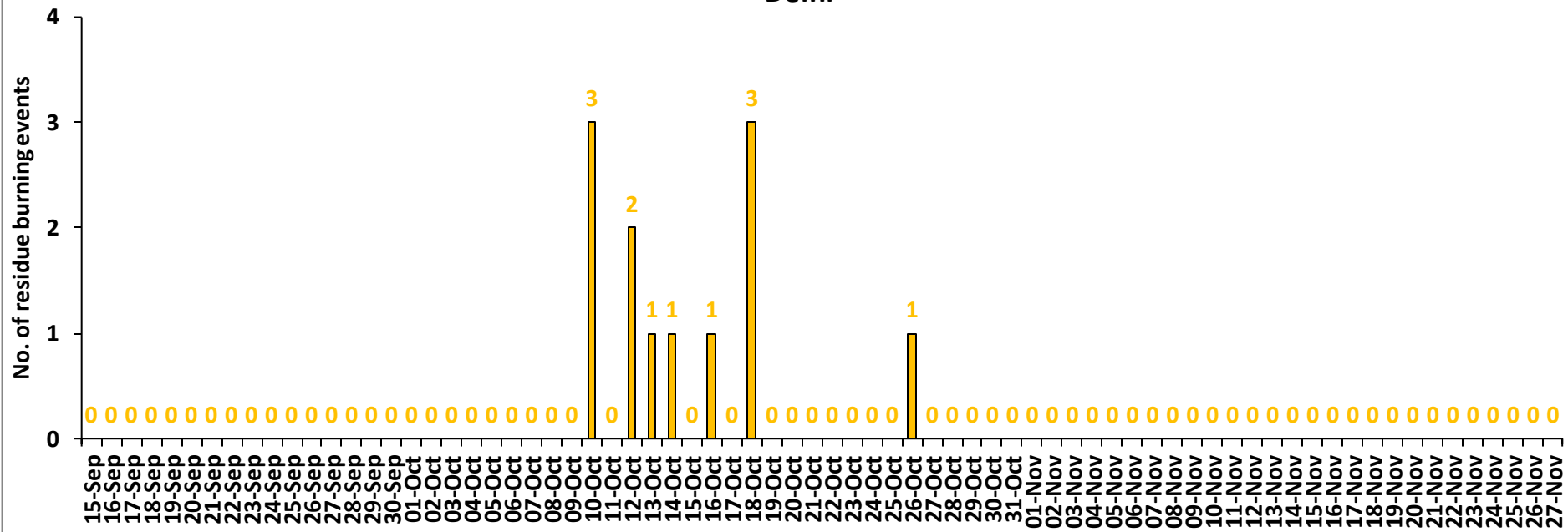
Rajasthan



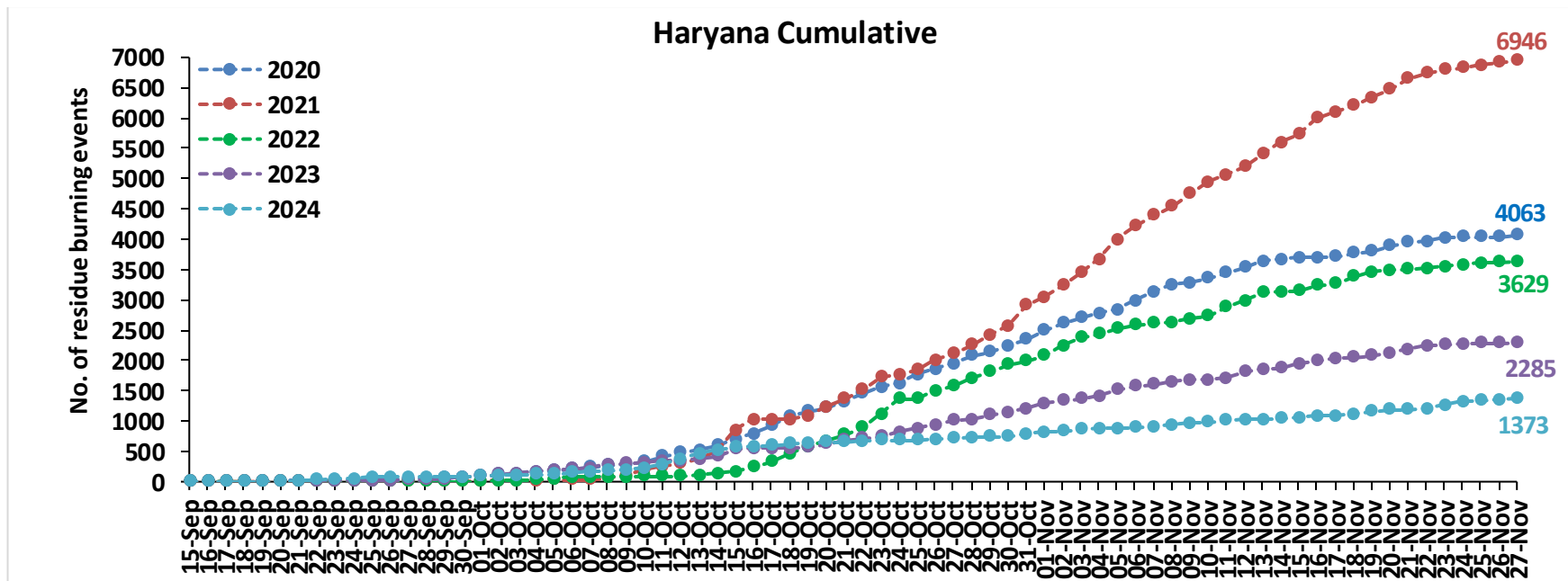
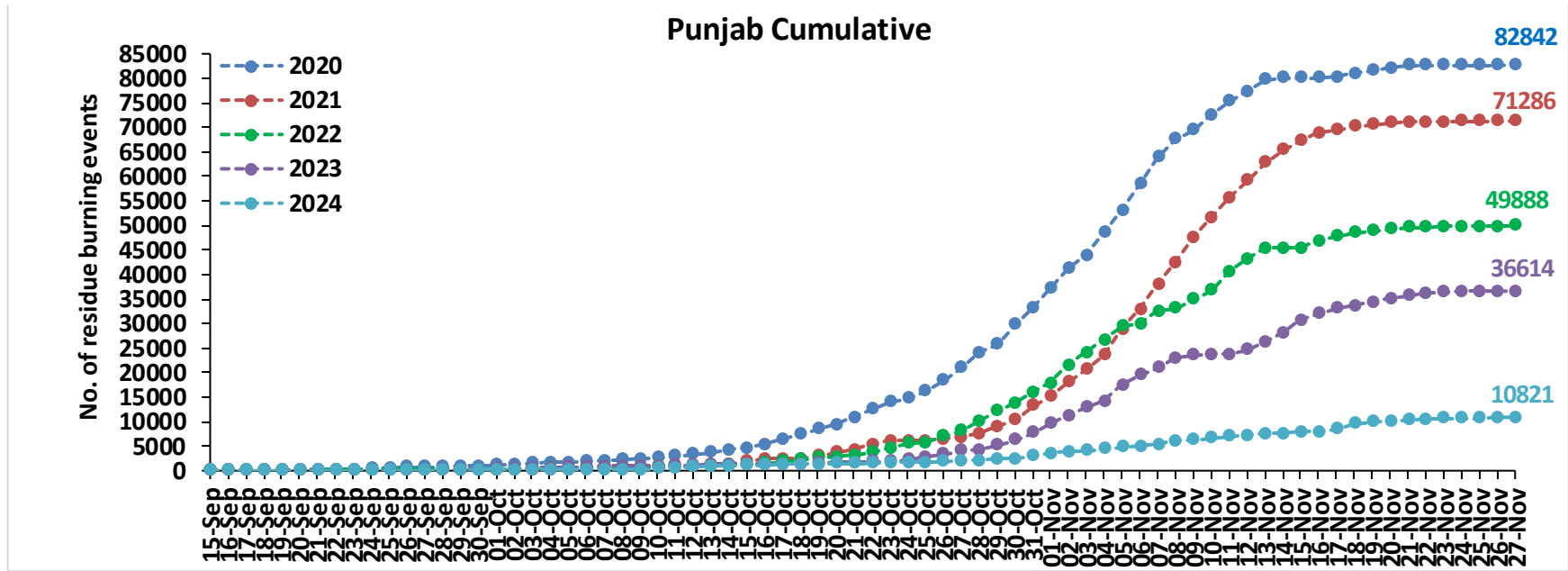
Madhya Pradesh

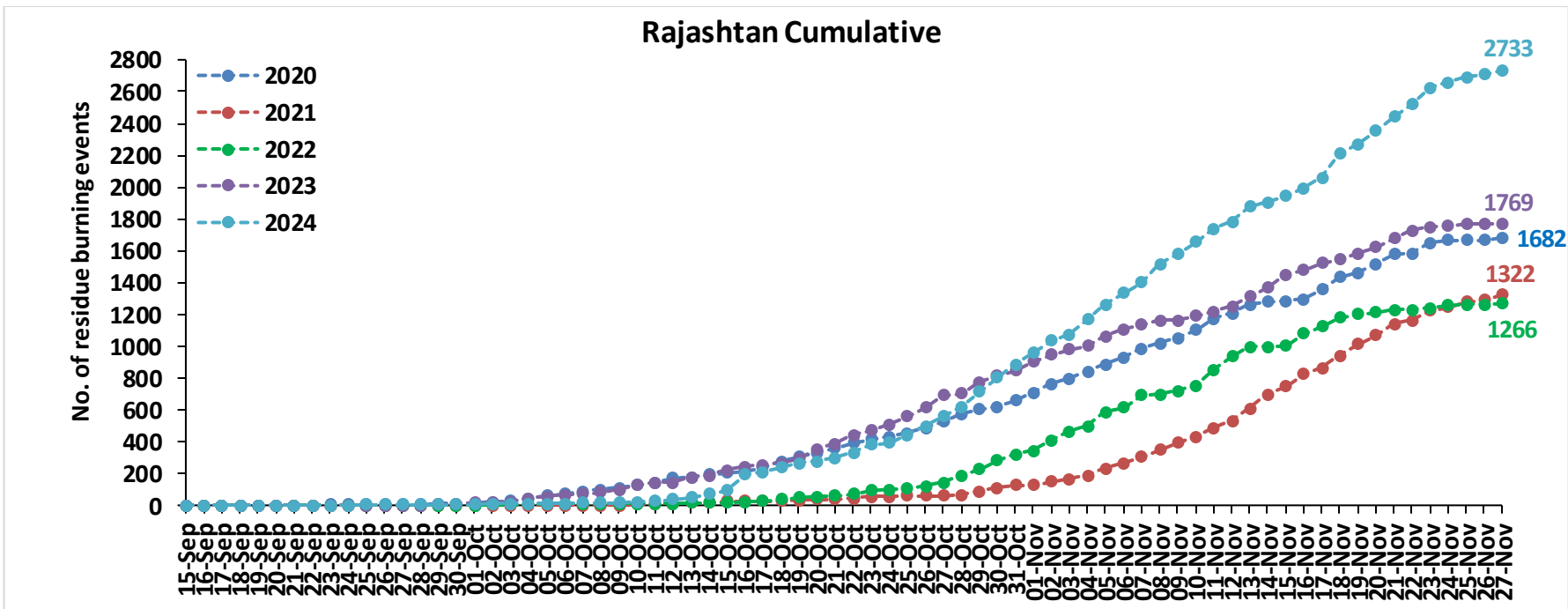
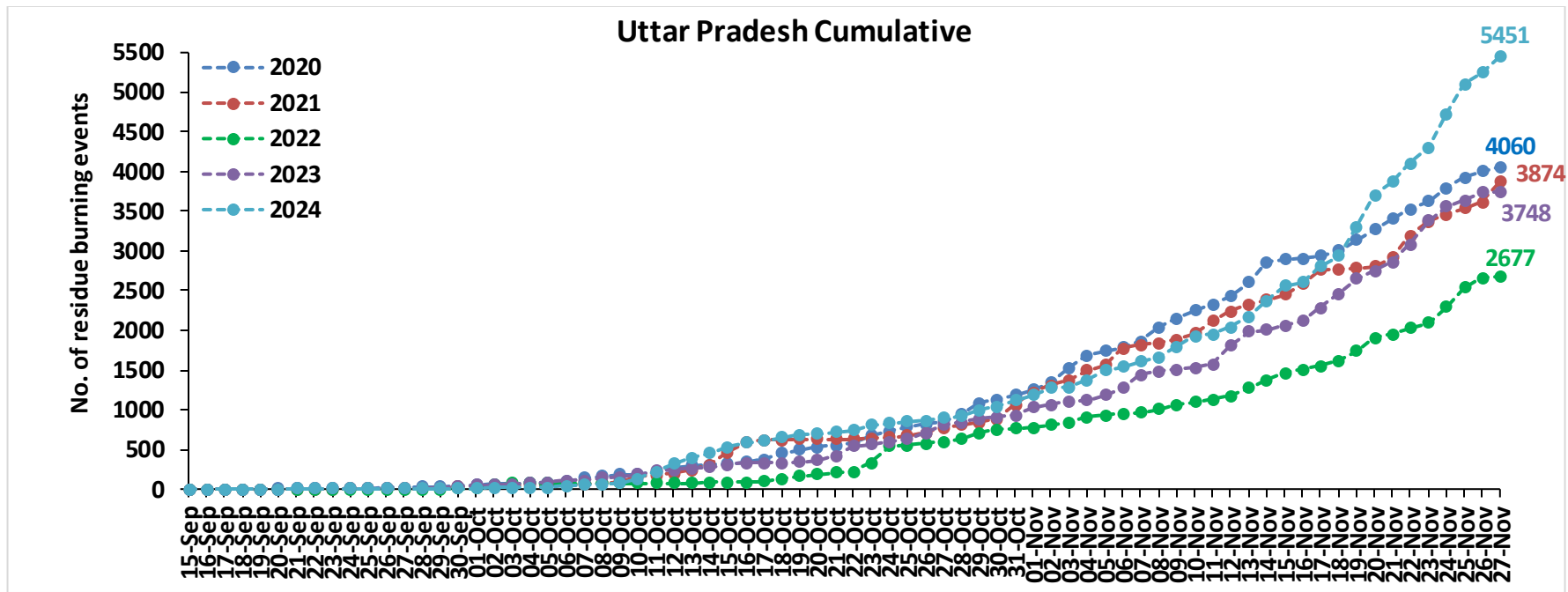


Delhi

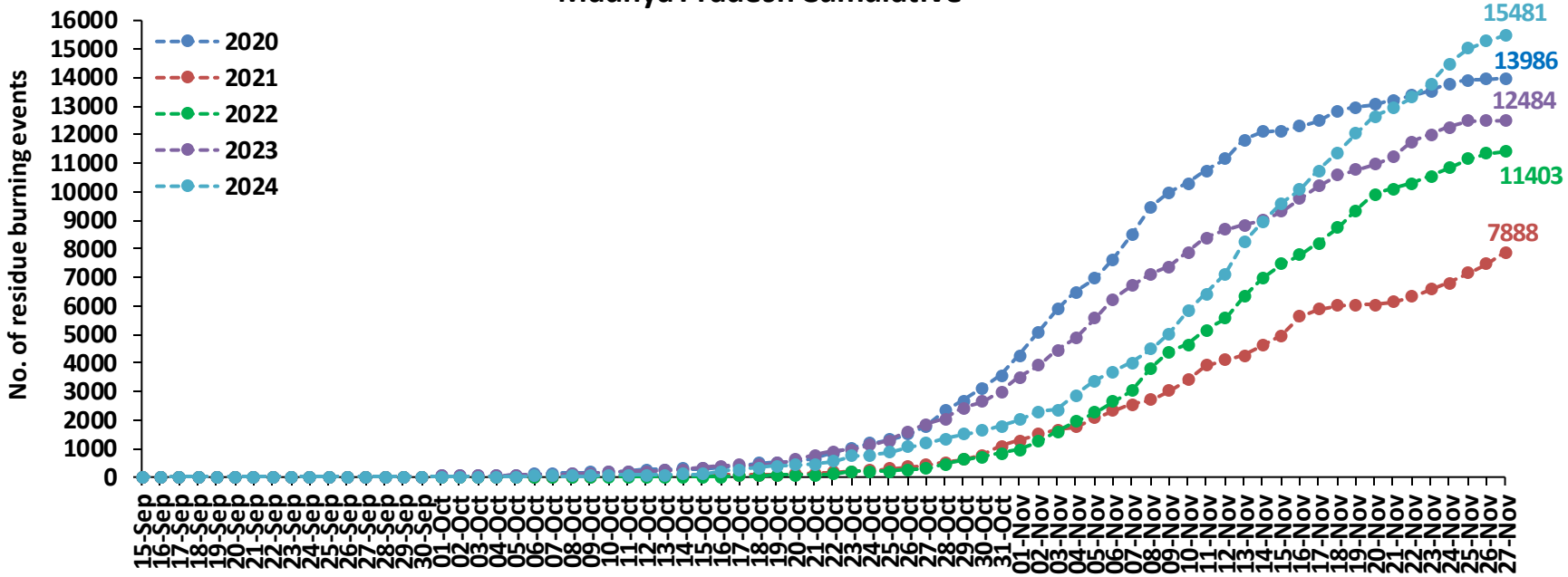


Comparison of residue burning events in current year (2024) with previous years (2020, 2021, 2022 and 2023) for the study States

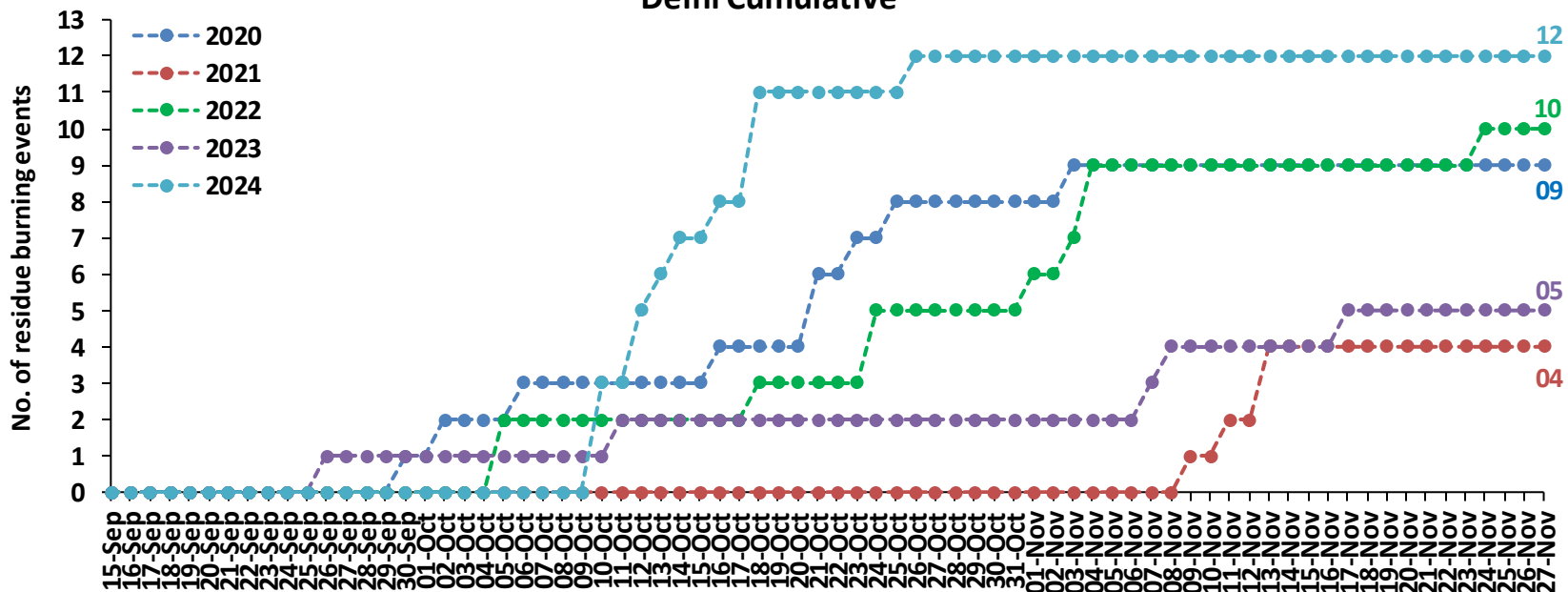




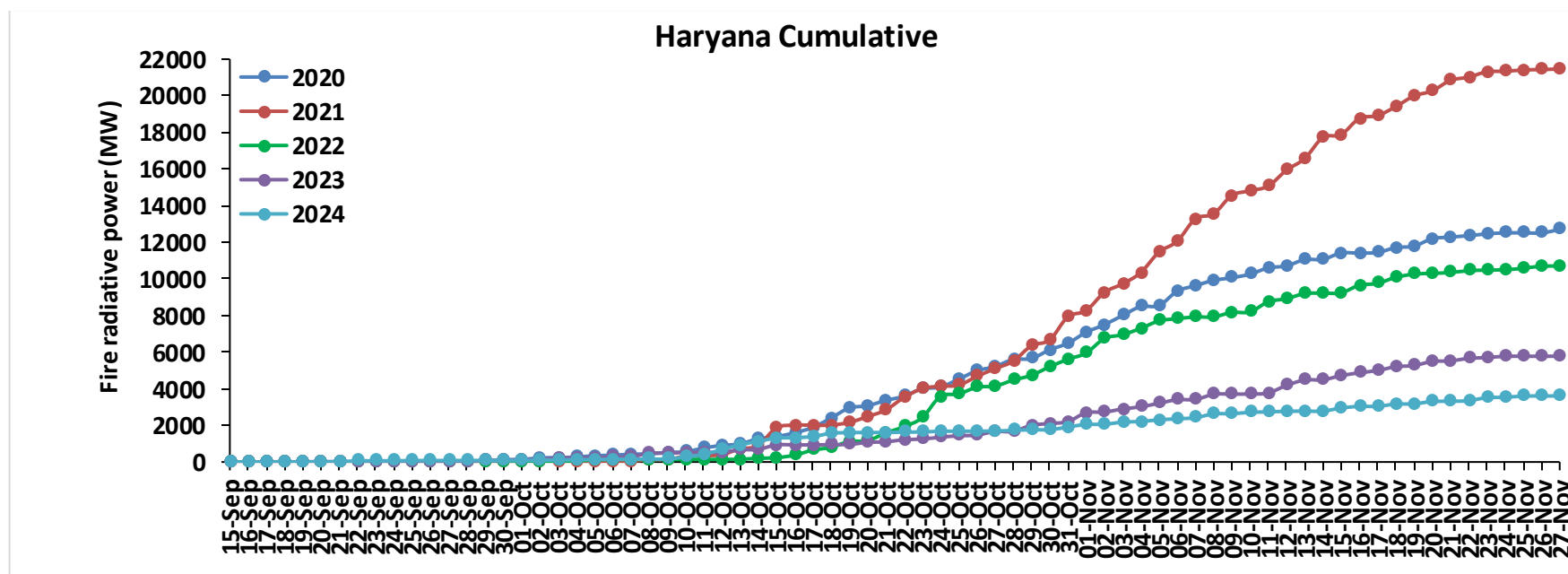
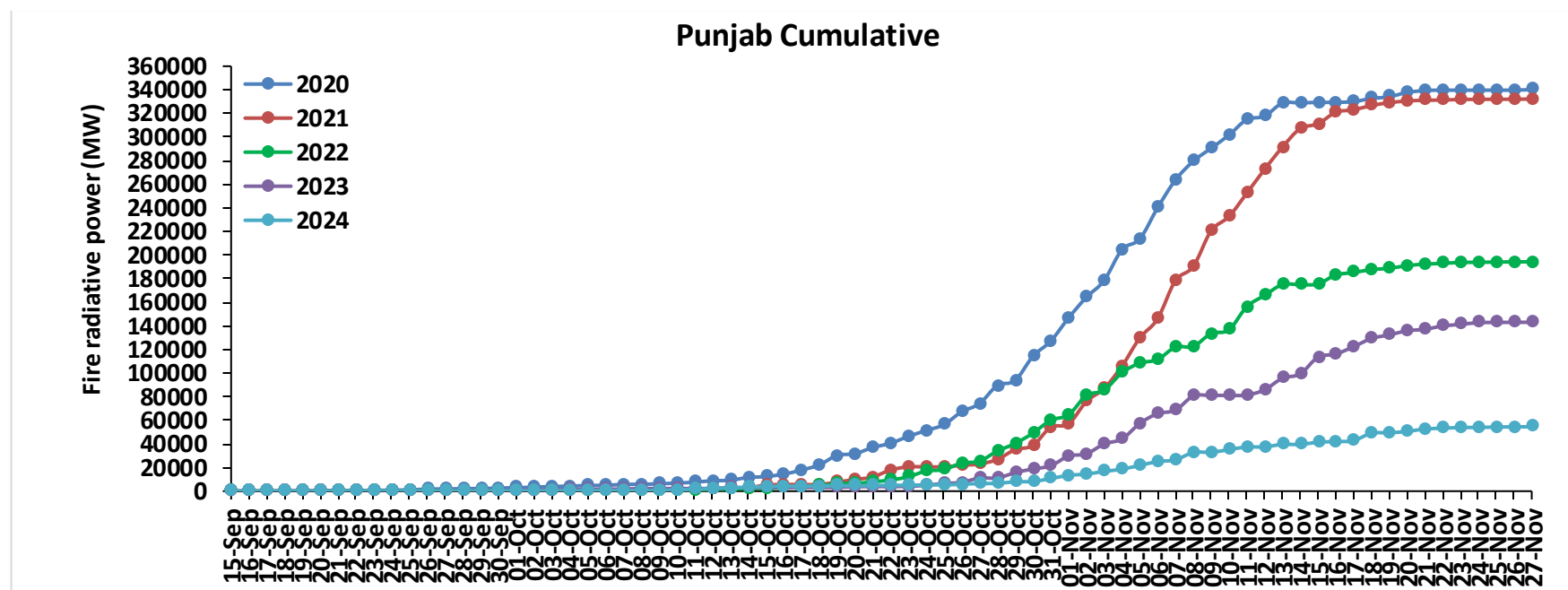
Madhya Pradesh Cumulative



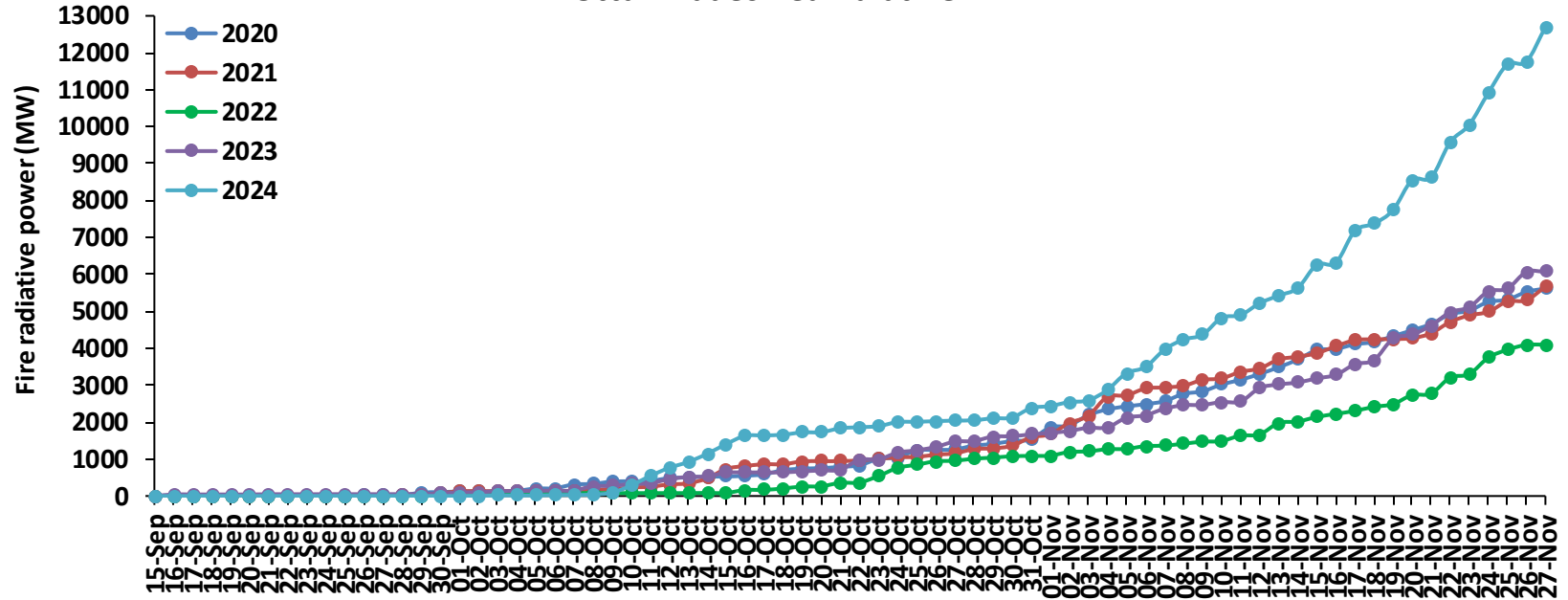
Delhi Cumulative



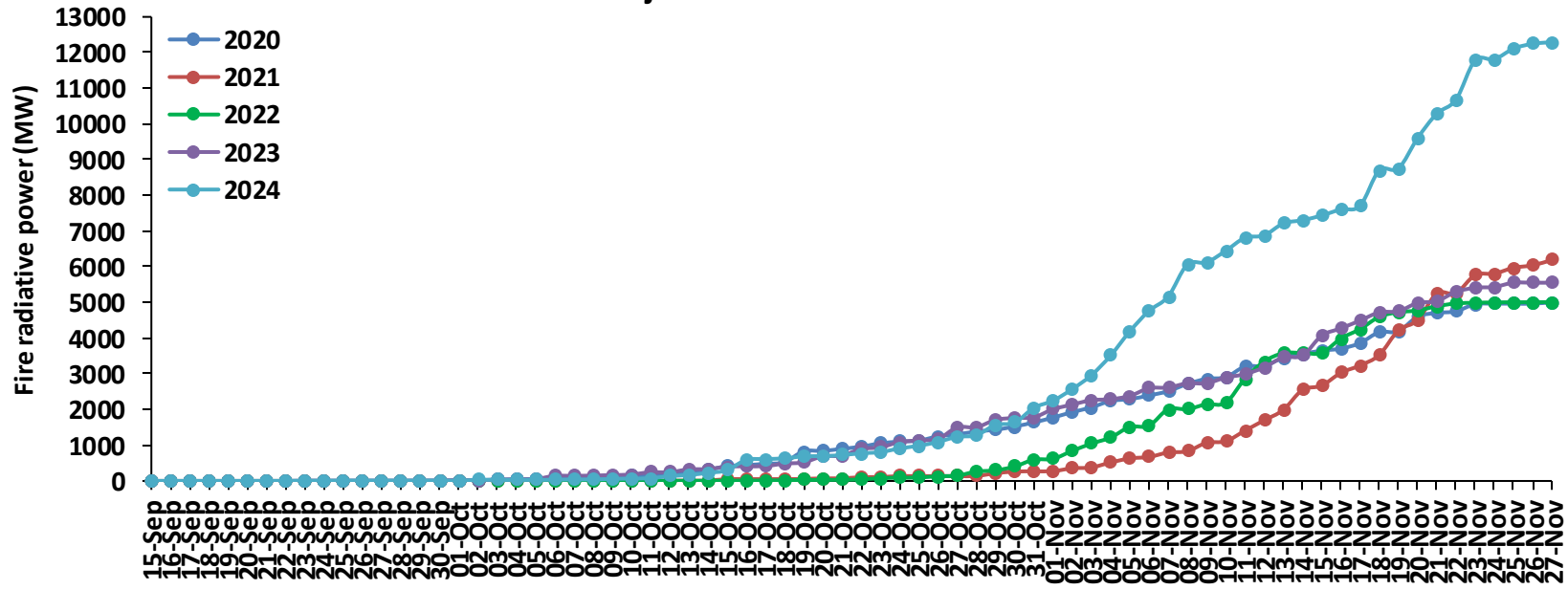
Comparison of residue burning fire power in current year (2024) with previous years (2020,2021,2022 and 2023) for the study States



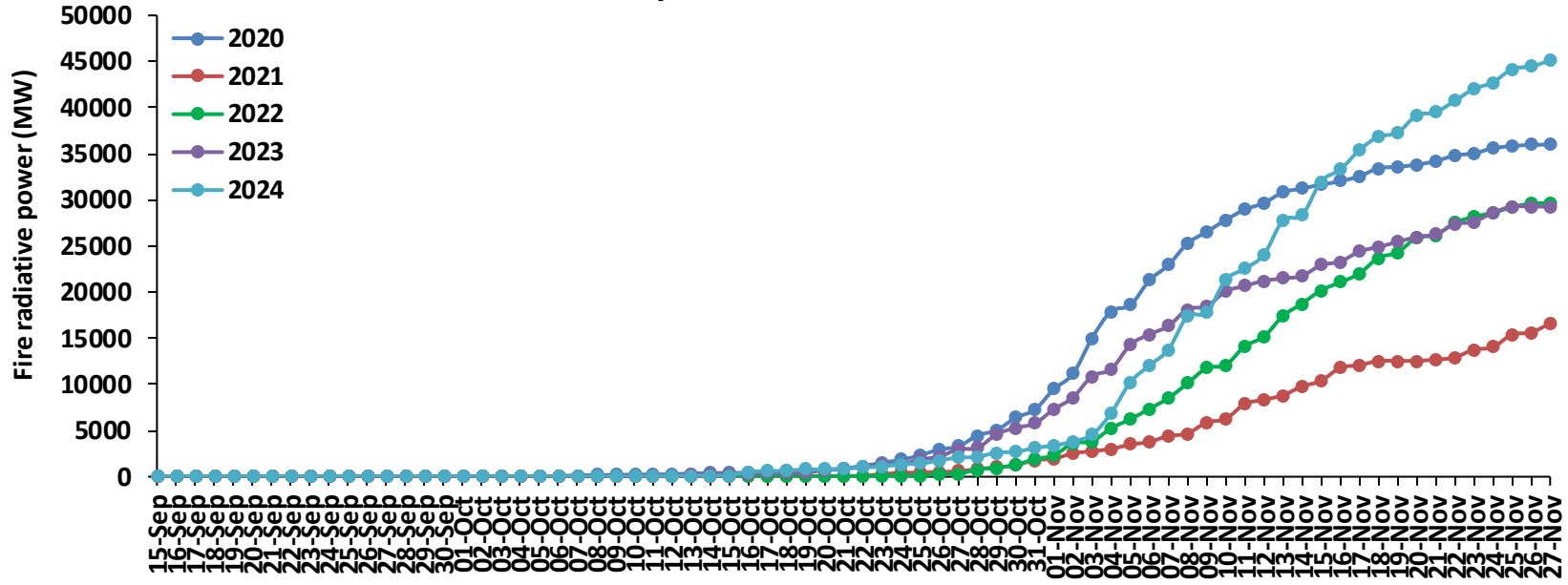
Uttar Pradesh Cumulative



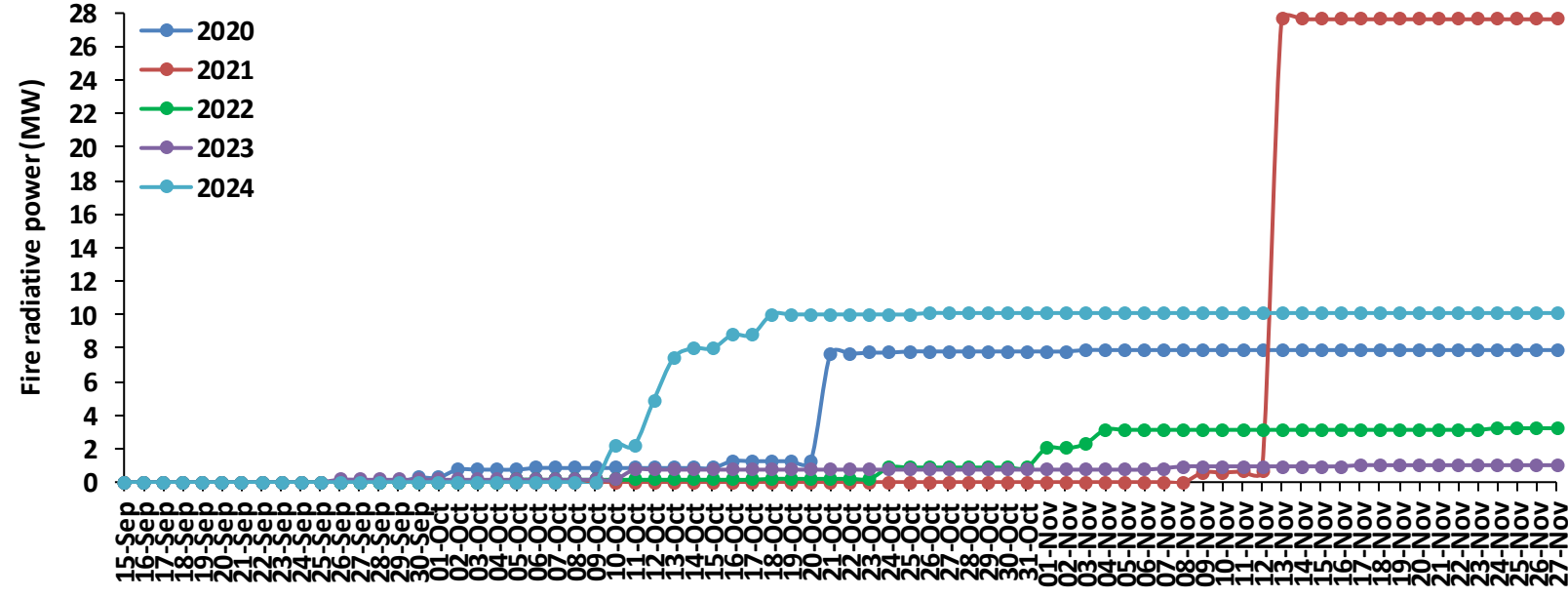
Rajasthan Cumulative



Madhya Pradesh Cumulative

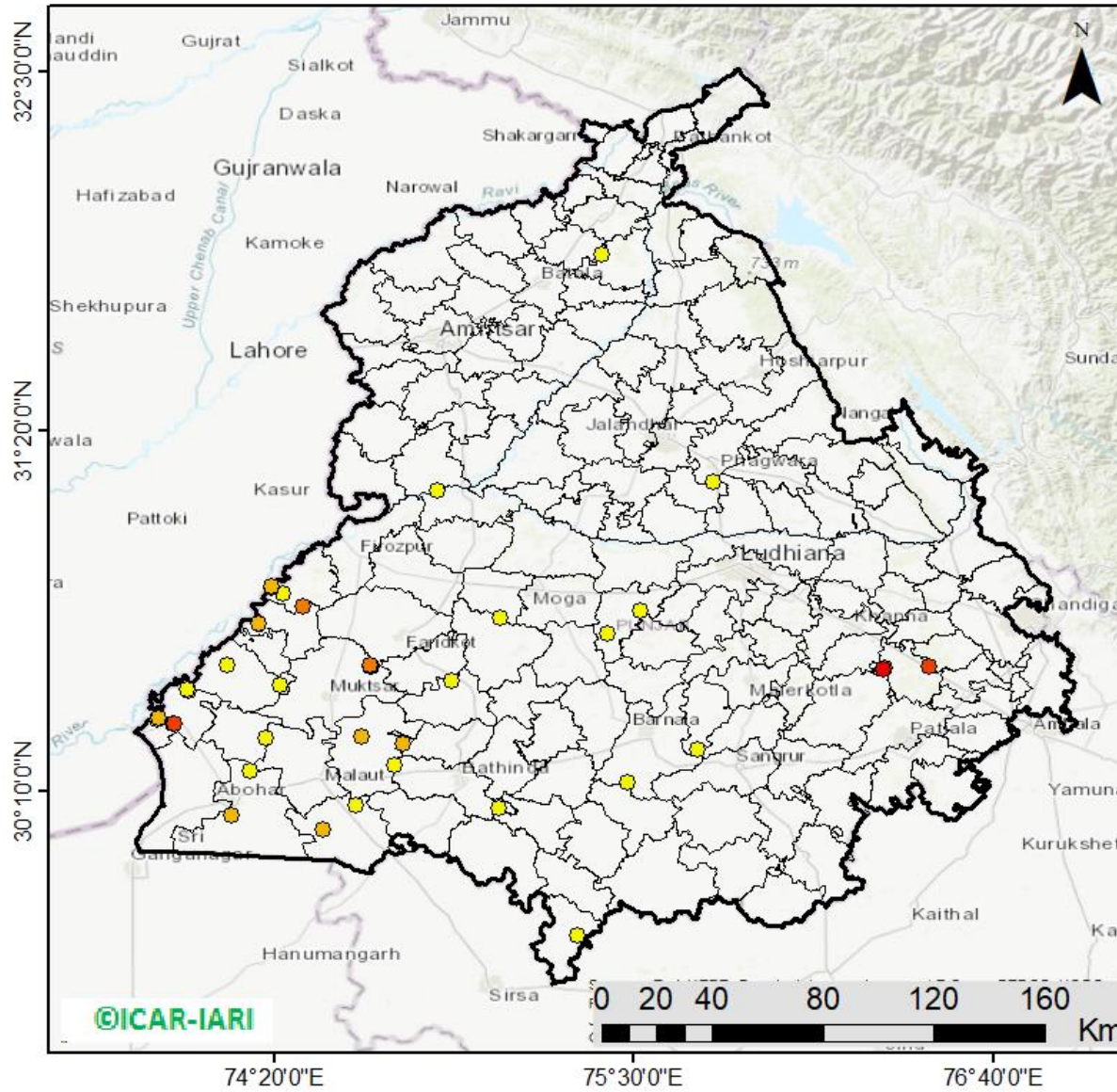


Delhi Cumulative



Punjab

RICE RESIDUE BURNING IN PUNJAB



41 burning events detected in Punjab during (27th Nov 2024)

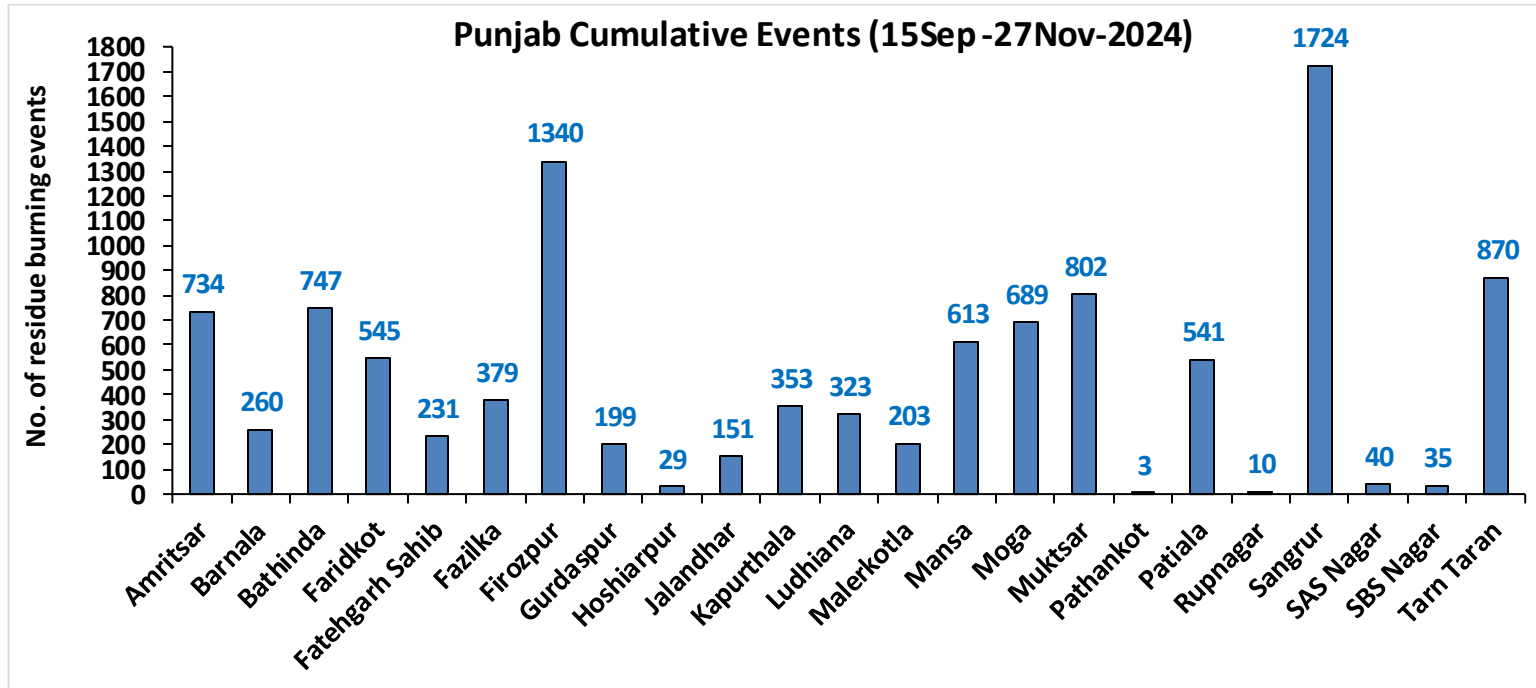
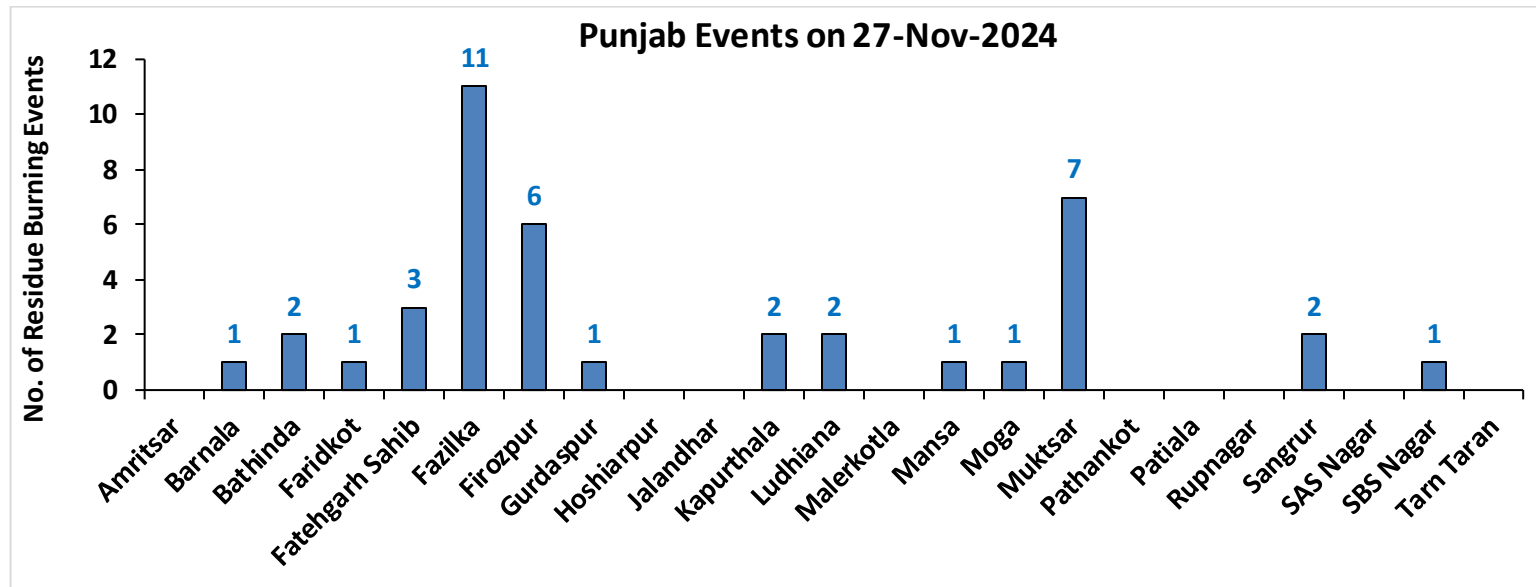
Fire Intensity (W/m²)

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



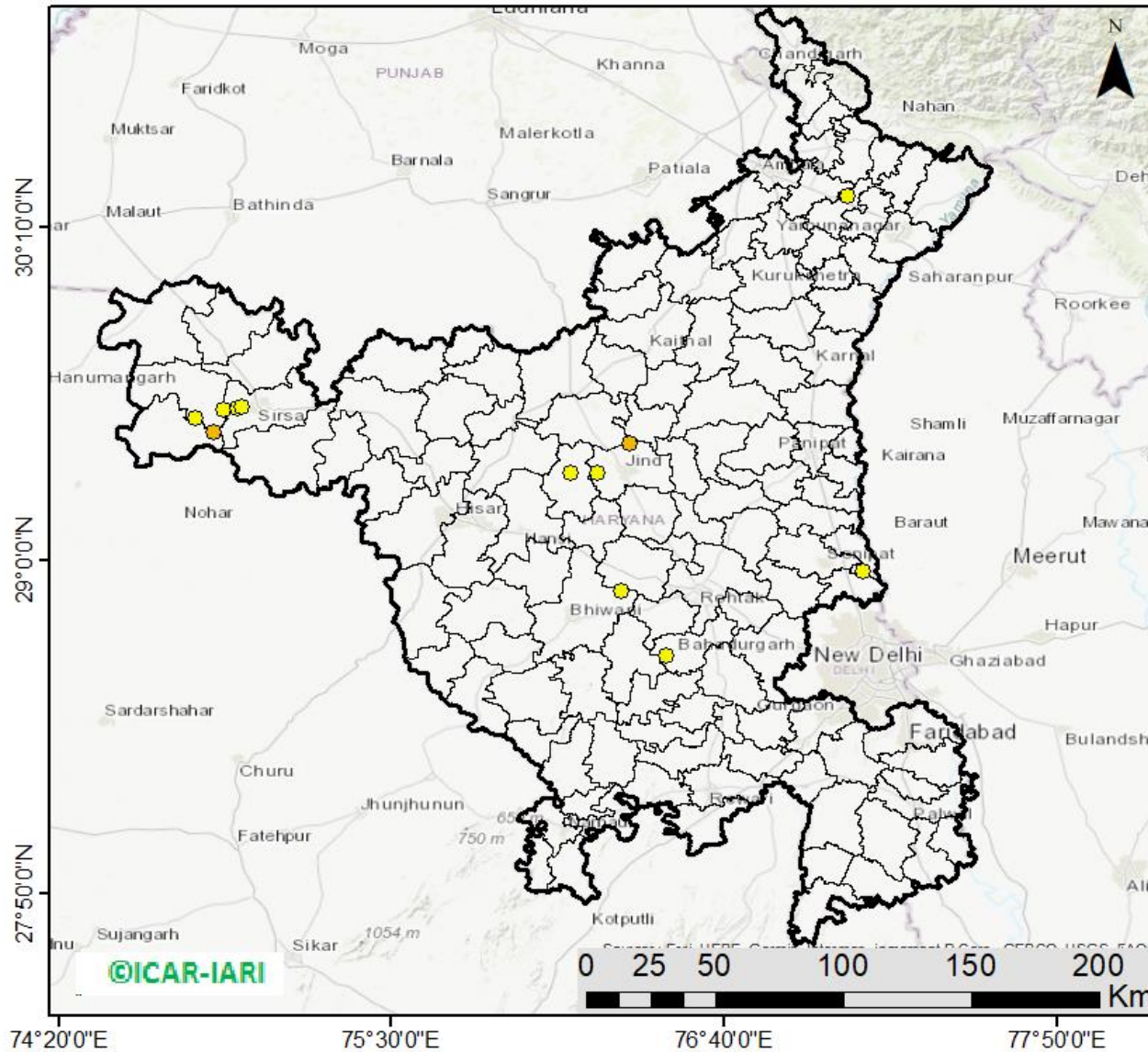
http://103.111.37.126/icar_geportal/

District-wise cumulative number of residues burning events in Punjab (15Sep-27Nov-2024)



Haryana

RICE RESIDUE BURNING IN HARYANA



15 burning events detected in Haryana on (27th Nov 2024)

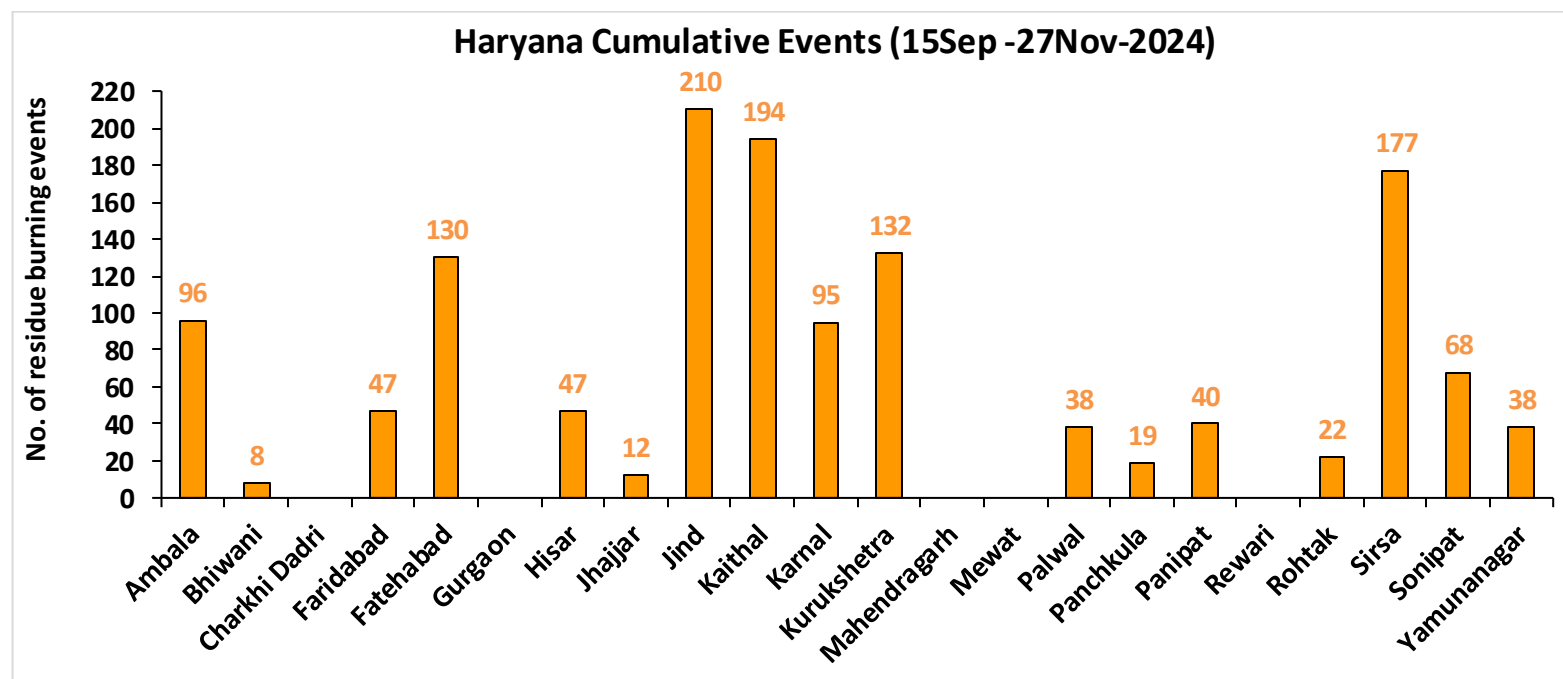
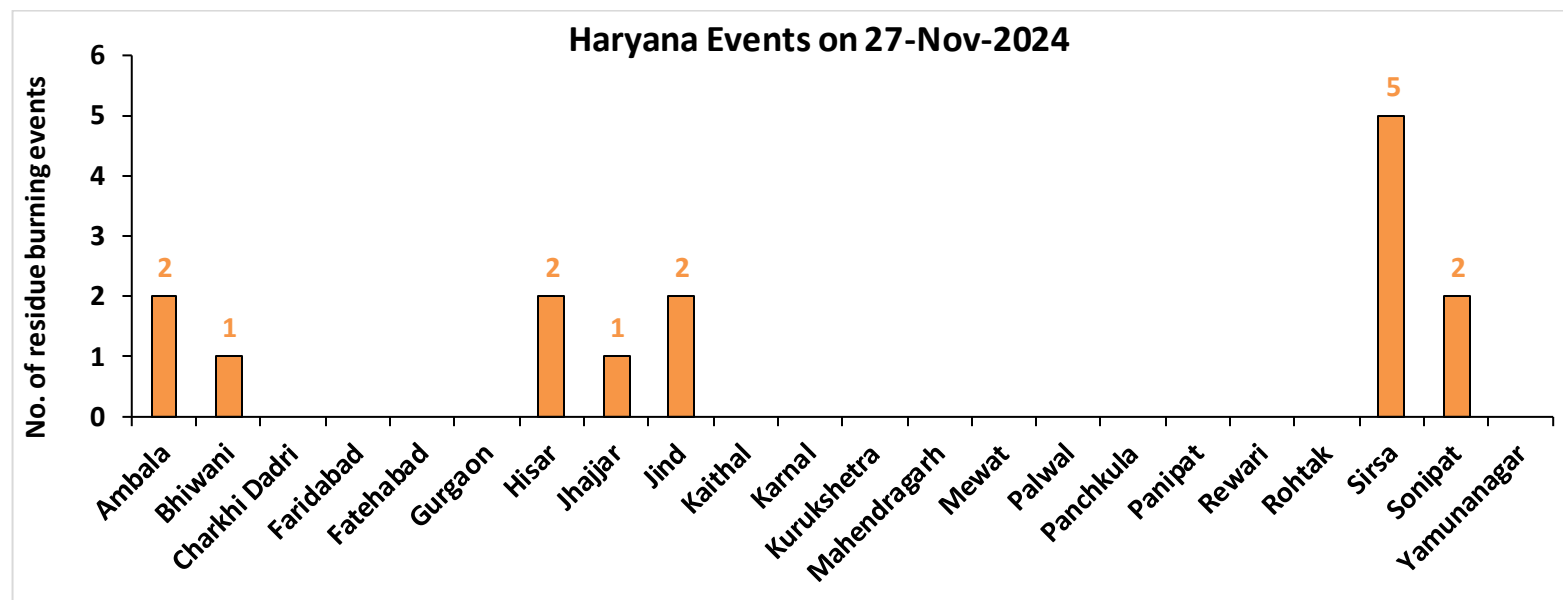
Fire Intensity (W/m²)

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



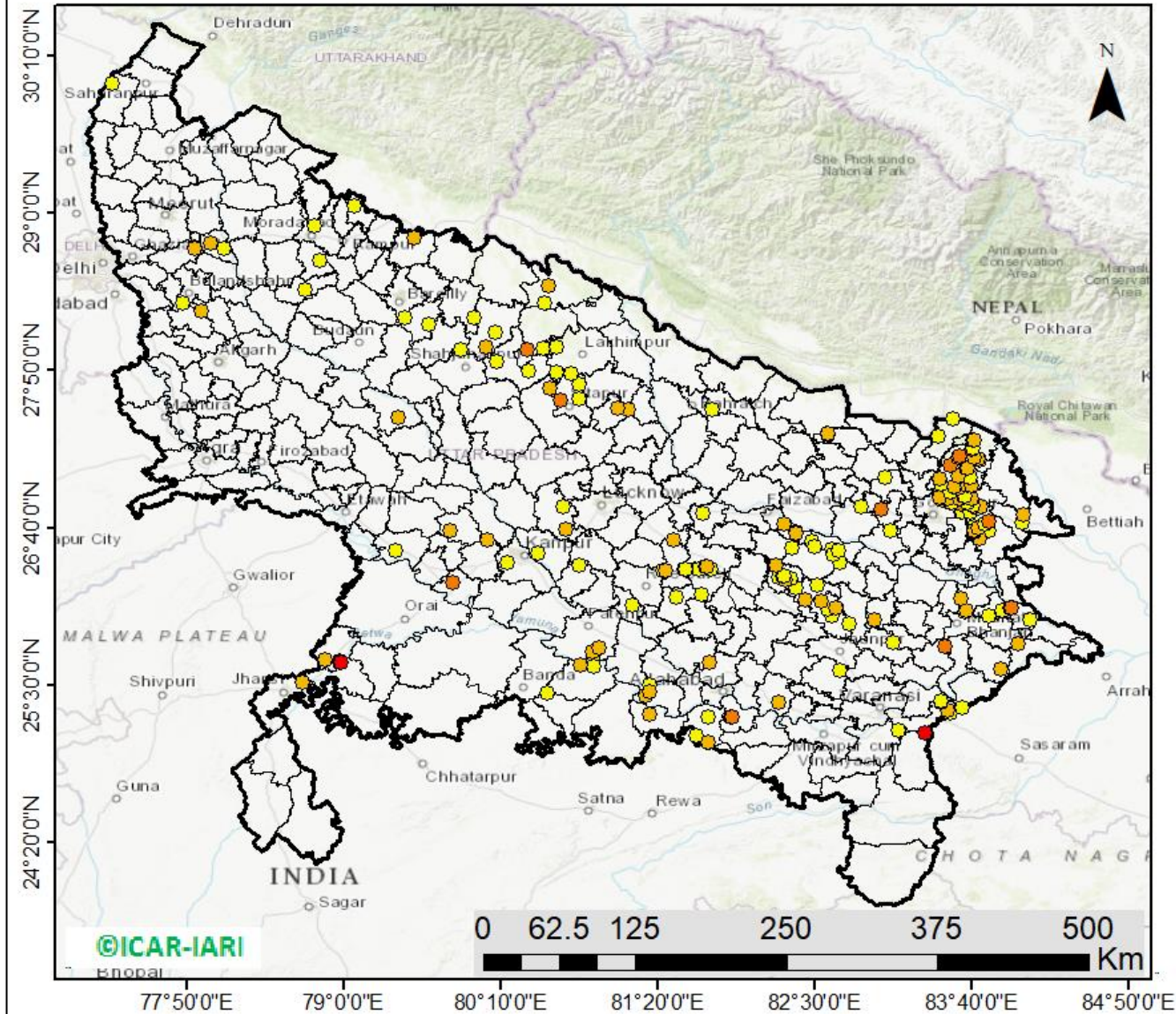
http://103.111.37.126/icar_geportal/

District-wise cumulative number of residues burning events in Haryana (15Sep-27Nov-2024)



Uttar Pradesh

RICE RESIDUE BURNING IN UTTAR PRADESH



203 burning events detected in Uttar Pradesh on (27th Nov 2024)

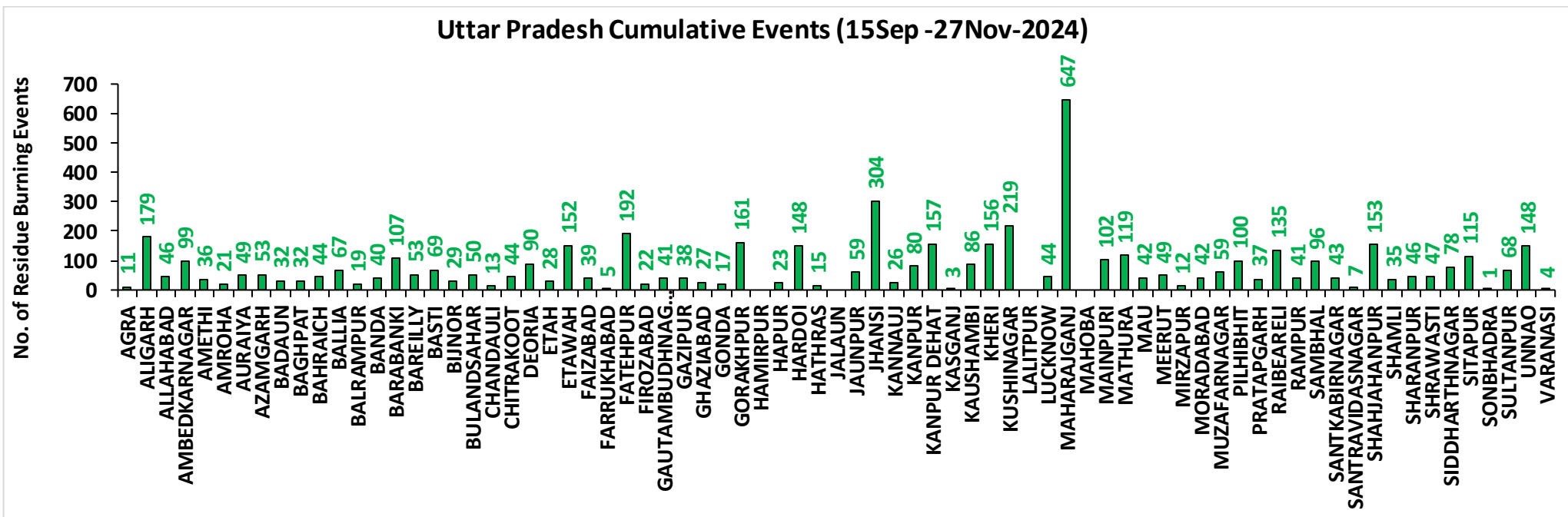
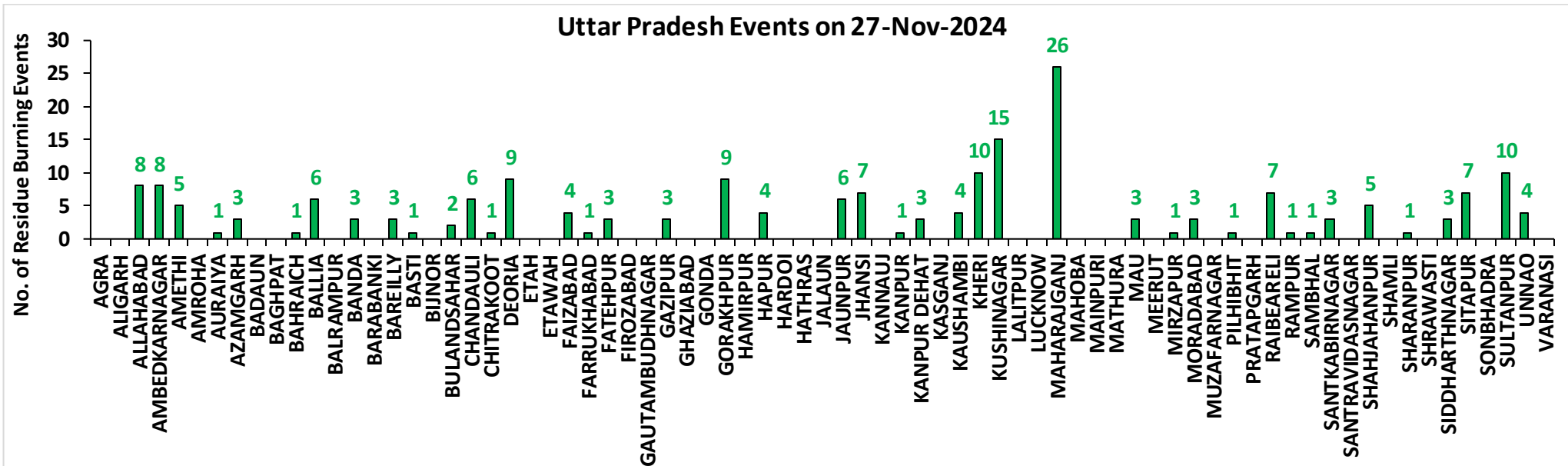
Fire Intensity (W/m²)

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



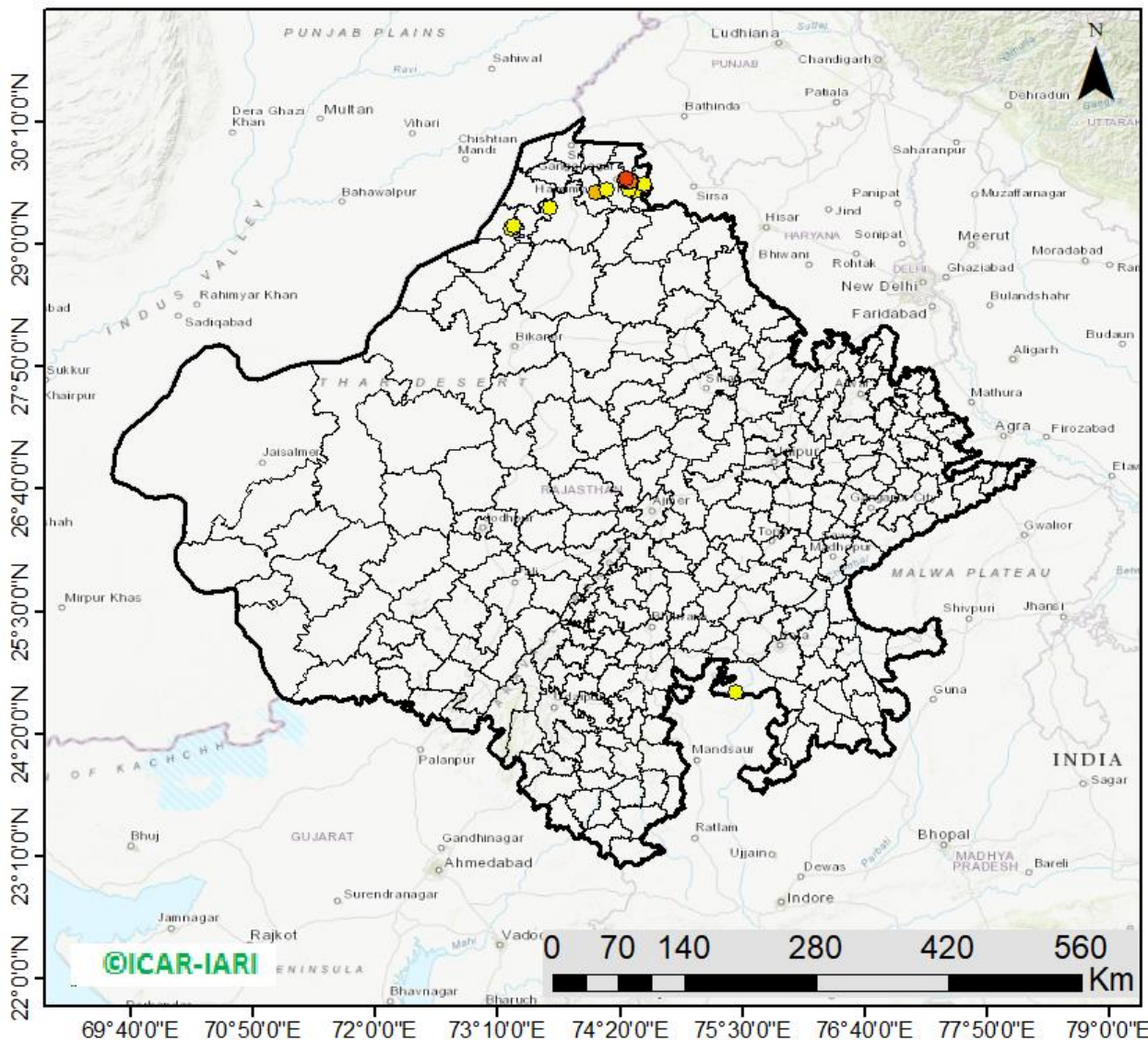
http://103.111.37.126/icar_geoportal/

District-wise cumulative number of residues burning events in Uttar Pradesh (15Sep-27Nov-2024)



Rajasthan

RICE RESIDUE BURNING IN RAJASTHAN



24 burning events
detected in Rajasthan on
(27th Nov 2024)

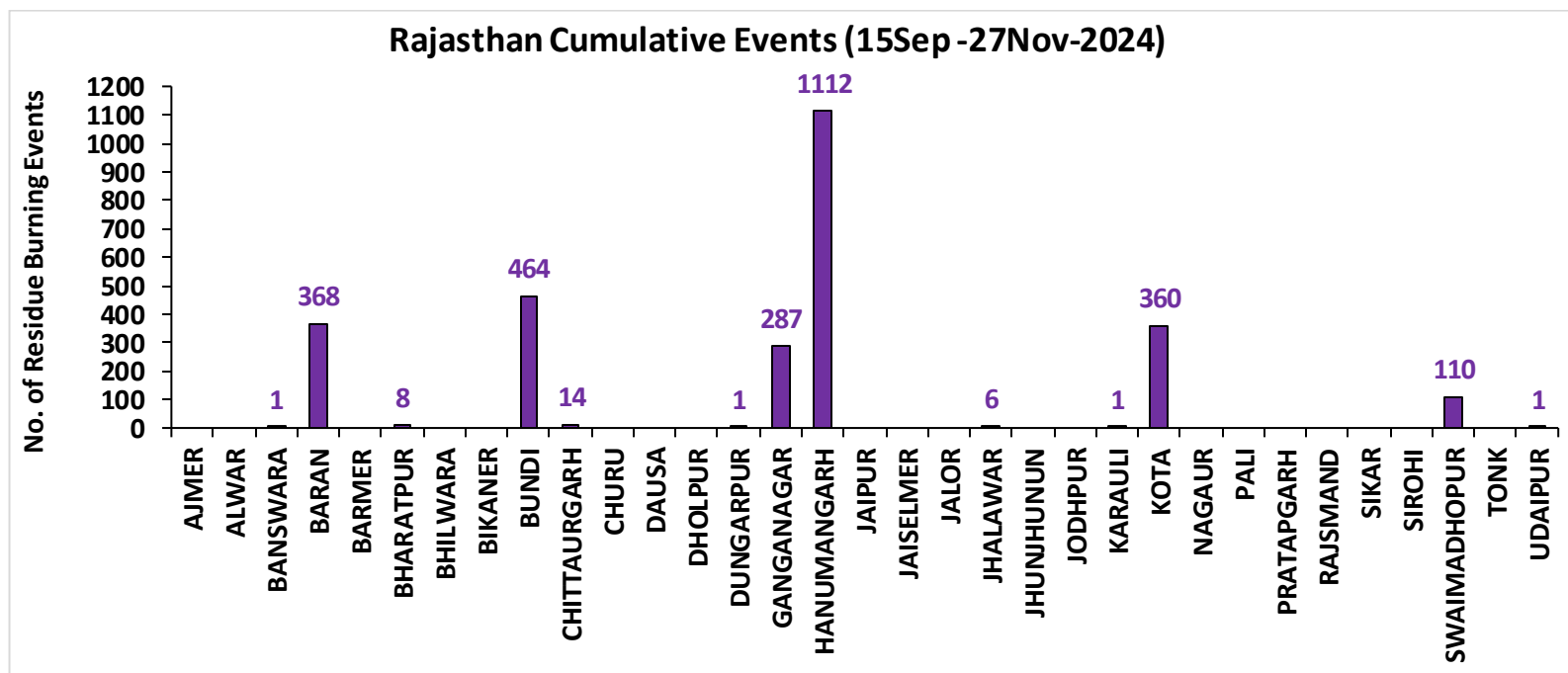
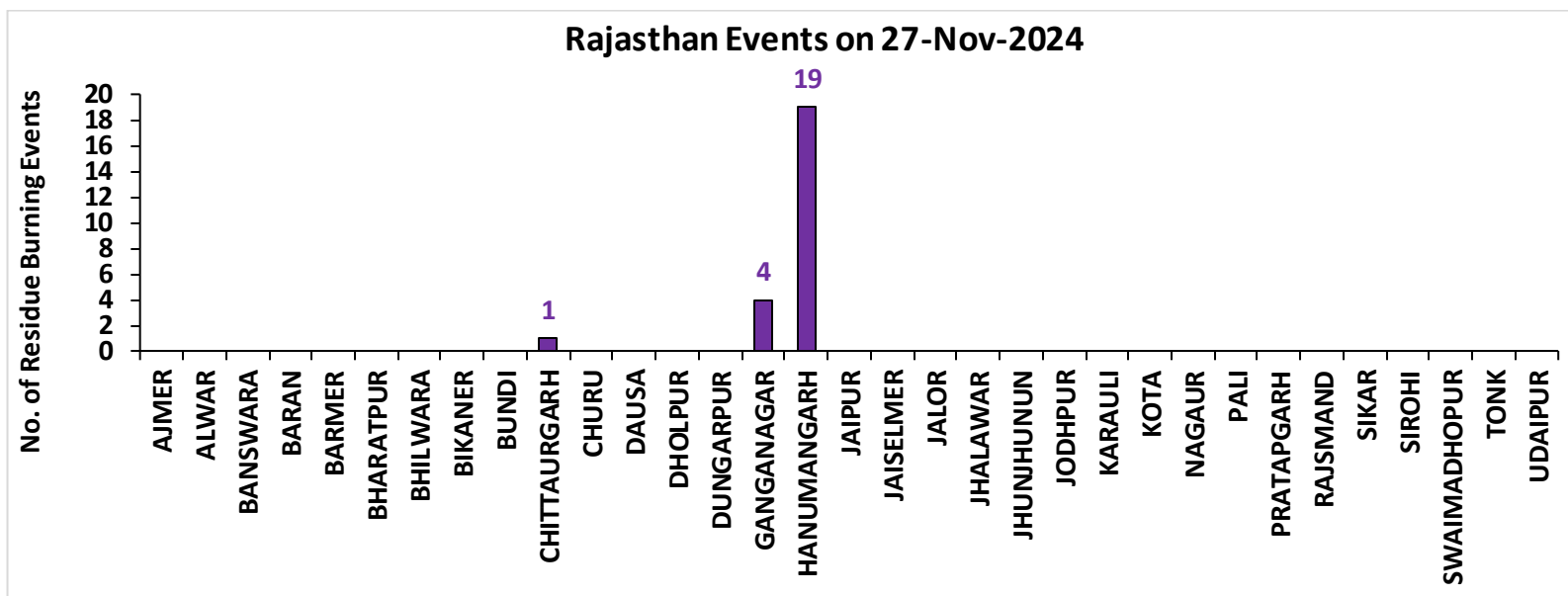
Fire Intensity (W/m²)

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



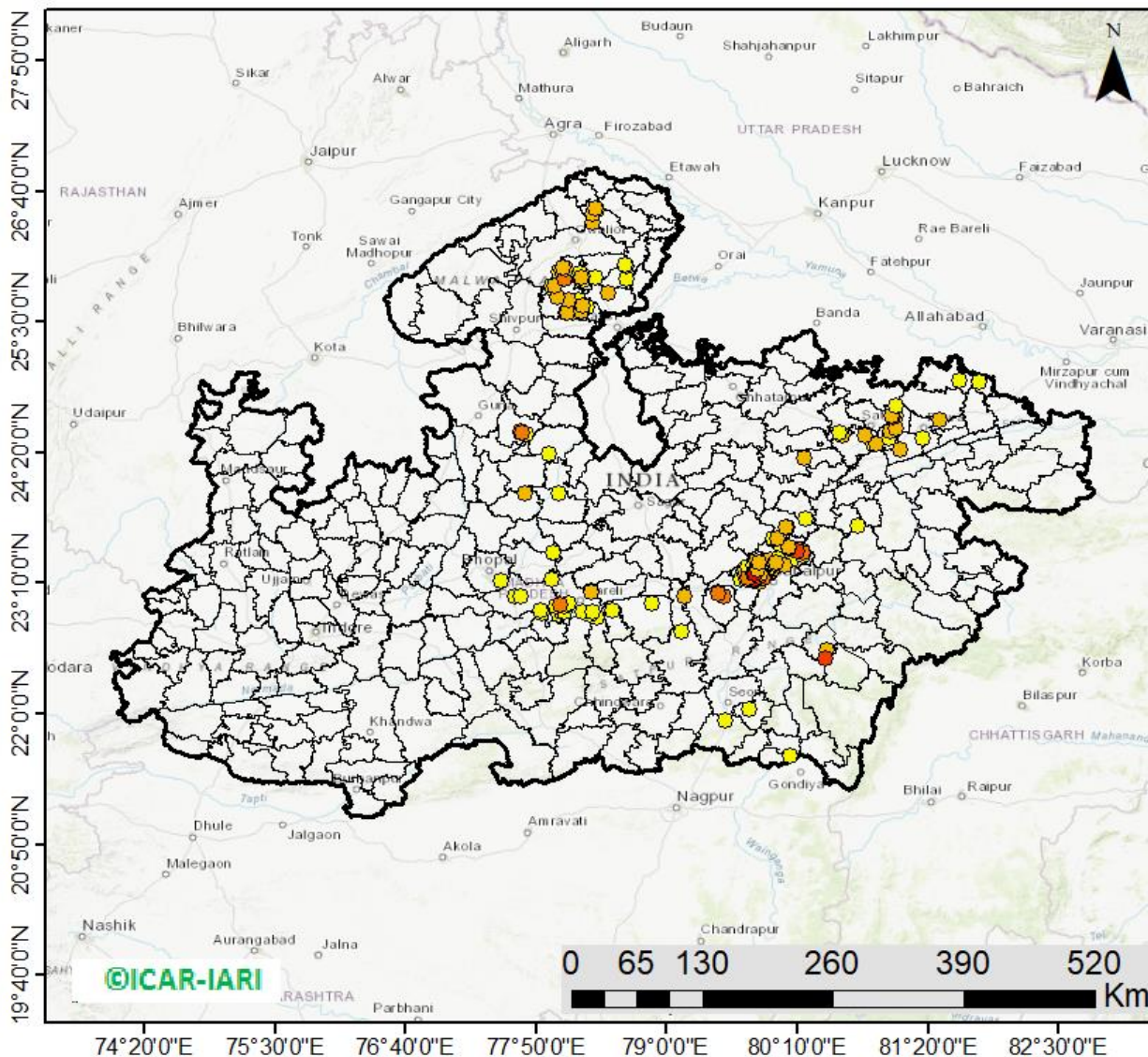
http://103.111.37.126/icar_geoportal/

District-wise cumulative number of residues burning events in Rajasthan (15Sep-27Nov-2024)



Madhya Pradesh

RICE RESIDUE BURNING IN MADHYA PRADESH



220 burning events
detected in MP on
(27th Nov 2024)

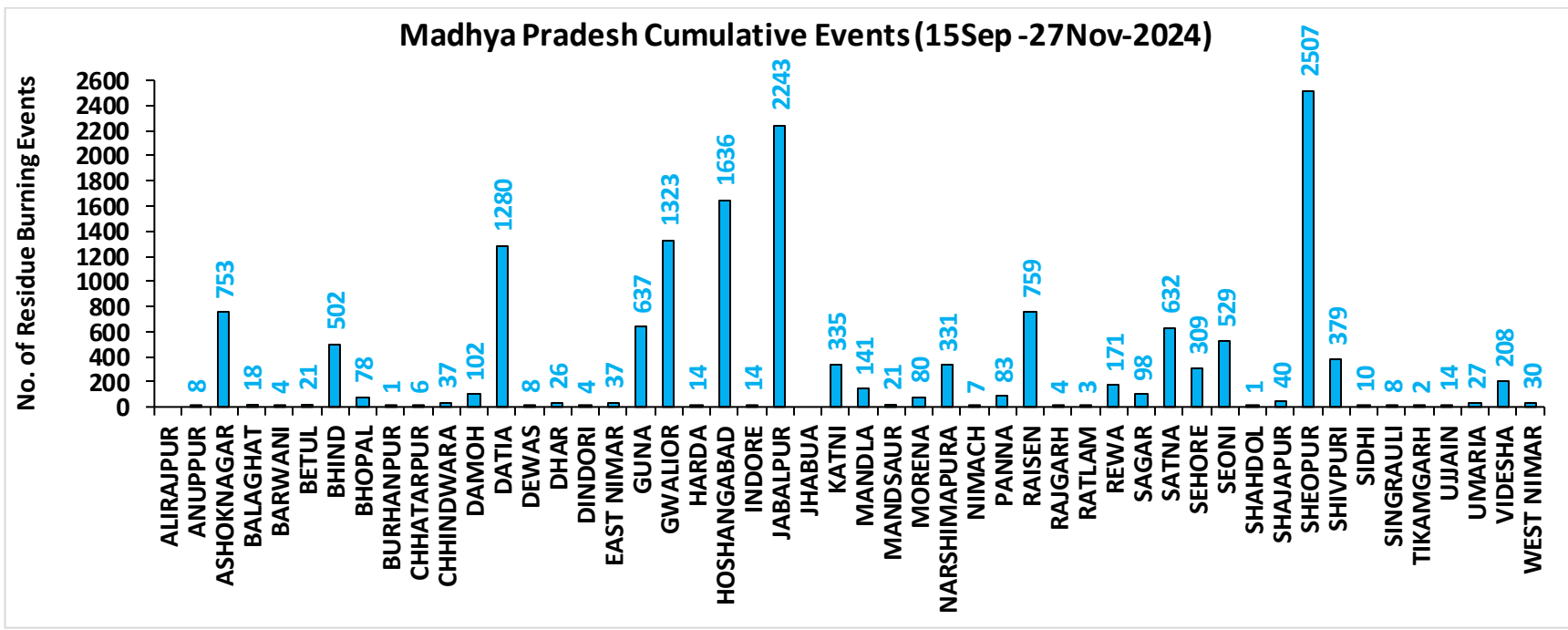
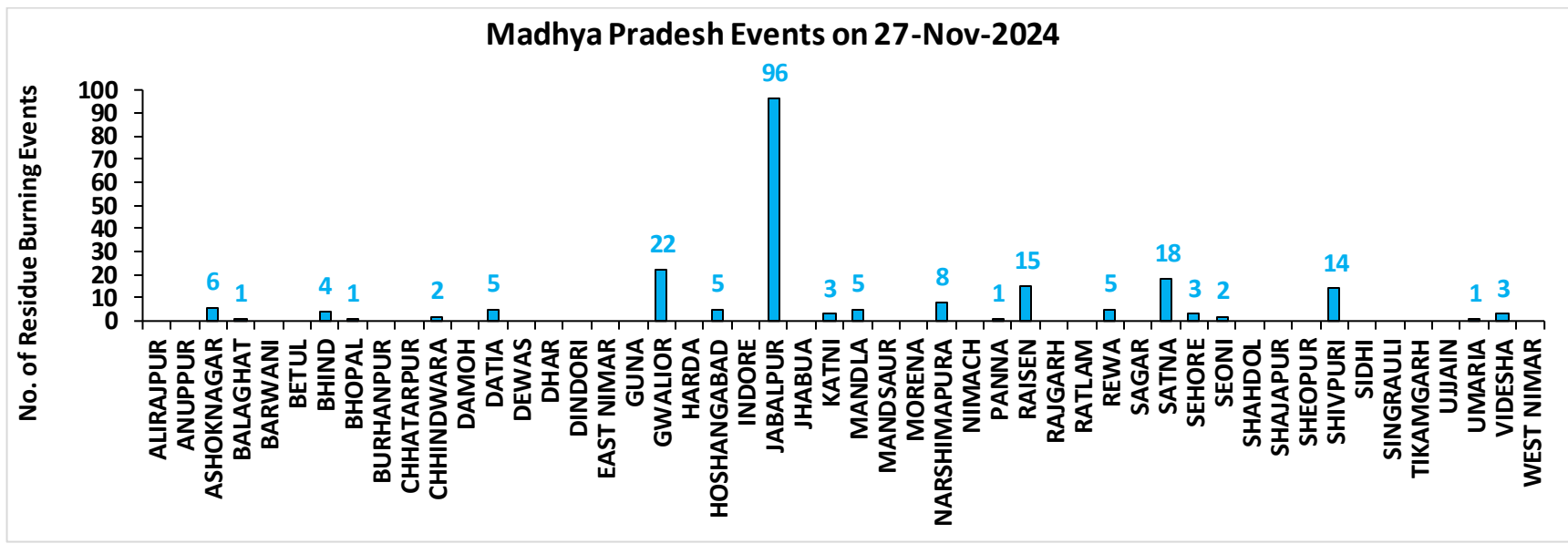
Fire Intensity (W/m²)

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



http://103.111.37.126/icar_geoportal/

District-wise cumulative number of residues burning events in Madhya Pradesh (15Sep-27Nov-2024)



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

(a) Punjab

District	15 Sep-27 Nov				
	2020	2021	2022	2023	2024
Amritsar	3063	2174	1542	1573	734
Barnala	5338	4326	2910	2313	260
Bathinda	5229	4481	4591	2965	747
Faridkot	4732	3953	2693	2021	545
Fatehgarh Sahib	1536	1722	1148	887	231
Fazilka	2578	2388	2589	1839	379
Firozpur	8516	6289	4556	3398	1340
Gurdaspur	2129	1393	845	389	199
Hoshiarpur	386	330	258	118	29
Jalandhar	1945	2547	1385	1193	151
Kapurthala	1883	1797	1278	1045	353
Ludhiana	5058	5814	2681	1798	323
Malerkotla*	--	--	--	413	203
Mansa	3780	3217	2814	2267	613
Moga	7405	6515	3609	2794	689
Muktsar	5028	4594	3876	1663	802
Pathankot	13	6	1	4	3
Patiala	6431	5425	3394	1878	541
Rupnagar	205	307	246	46	10
Sangrur#	11724	9389	5915	5618	1724
SAS NAGAR (Mohali)	127	147	103	133	40
SBS Nagar	131	355	270	235	35
Tarn Taran	5605	4117	3184	2024	870
Total	82842	71286	49888	36614	10821

(b) Haryana

District	15 Sep-27 Nov				
	2020	2021	2022	2023	2024
AMBALA	346	305	224	188	96
BHIWANI	4	12	9	10	8
CHARKHI DADRI	0	0	1	2	0
FARIDABAD	1	3	1	6	47
FATEHABAD	859	1476	763	576	130
GURGAON	0	0	0	0	0
HISAR	53	240	113	111	47
JHAJJAR	6	7	8	20	12
JIND	343	911	529	343	210
KAITHAL	839	1154	641	262	194
KARNAL	581	954	300	125	95
KURUKSHETRA	406	538	300	154	132
MAHENDRAGARH	0	0	0	0	0
MEWAT	0	0	0	0	0
PALWAL	46	115	51	57	38
PANCHKULA	0	0	0	1	19
PANIPAT	50	249	82	25	40
REWARI	0	0	0	0	0
ROHTAK	48	75	62	71	22
SIRSA	268	545	301	160	177
SONIPAT	71	215	91	78	68
YAMUNANAGAR	142	147	153	96	38
Total	4063	6946	3629	2285	1373

*Malerkotla events are included in Sangrur events in 2020, 2021, 2022.

Sangrur events in 2023 and 2024 do not include Malerkotla events.

(c) Uttar Pradesh

District	15 Sep-27 Nov																
	2020	2021	2022	2023	2024	GAUTAMBUDHNAGAR	15	19	11	14	41	MUZAFARNAGAR	51	31	26	33	59
AGRA	7	0	0	4	11	GAZIPUR	24	25	27	23	38	PILHIBHIT	23	219	149	111	100
ALIGARH	113	40	44	89	179	GHAZIABAD	26	15	9	29	27	PRATAPGARH	41	38	30	46	37
ALLAHABAD	39	27	17	21	46	GONDA	12	12	1	11	17	RAIBARELI	41	93	51	78	135
AMBEDKARNAGAR	36	30	37	52	99	GORAKHPUR	46	29	40	138	161	RAMPUR	163	192	105	99	41
AMETHI	9	26	17	70	36	HAMIRPUR	6	0	0	0	0	SAMBHAL	19	20	14	19	96
AMROHA	12	8	8	5	21	HAPUR	32	18	11	17	23	SANTKABIRNAGAR	29	20	15	59	43
AURAIYA	91	80	60	77	49	HARDOI	102	116	80	101	148	SANTRAVIDASNAGAR	4	6	4	3	7
AZAMGARH	62	34	29	37	53	HATHRAS	0	0	2	3	15	SHAHJAHANPUR	144	421	319	124	153
BADAUN	14	19	6	11	32	JALAUN	43	0	0	0	0	SHAMLI	48	41	17	26	35
BAGHPAT	19	17	14	25	32	JAUNPUR	49	39	33	43	59	SHARANPUR	102	79	23	34	46
BAHRAICH	107	59	23	46	44	JHANSI	359	154	120	172	304	SHRAWASTI	47	45	18	58	47
BALLIA	143	68	51	34	67	KANNAUJ	33	6	7	7	26	SIDDHARTHANAGAR	76	128	43	156	78
BALRAMPUR	68	21	12	32	19	KANPUR	33	38	29	51	80	SITAPUR	73	51	35	59	115
BANDA	40	15	21	37	40	KANPUR DEHAT	87	53	60	144	157	SONBHADRA	0	2	0	0	1
BARABANKI	36	72	58	80	107	KASGANJ	3	2	3	4	3	SULTANPUR	9	34	30	51	68
BAREILLY	82	66	61	65	53	KAUSHAMBI	92	90	49	69	86	UNNAO	45	32	37	60	148
BASTI	58	51	20	91	69	KHERI	179	177	146	109	156	VARANASI	2	5	0	3	4
BIJNOR	42	48	14	20	29	KUSHINAGAR	80	40	49	119	219	Total	4060	3874	2677	3748	5451
BULANDSAHAR	62	14	23	28	50	LALITPUR	3	6	3	6	0						
CHANDAULI	21	11	7	2	13	LUCKNOW	35	33	15	43	44						
CHITRAKOOT	12	9	12	14	44	MAHARAJGANJ	55	154	173	190	647						
DEORIA	83	31	41	73	90	MAHOBA	27	0	0	0	0						
ETAH	17	10	8	21	28	MAINPURI	63	51	40	57	102						
ETAWAH	75	106	65	129	152	MATHURA	160	240	30	95	119						
FAIZABAD	15	12	7	27	39	MAU	34	17	13	28	42						
FARRUKHABAD	7	4	1	1	5	MEERUT	81	54	33	32	49						
FATEHPUR	124	106	95	101	192	MIRZAPUR	11	14	7	2	12						
FIROZABAD	27	17	10	10	22	MORADABAD	32	14	9	20	42						

(d) Delhi

District	15 Sep-27 Nov				
	2020	2021	2022	2023	2024
CENTRAL	0	0	0	0	0
EAST	0	0	0	0	0
NEW DELHI	0	0	0	0	0
NORTH	3	3	9	5	8
NORTH EAST	0	0	0	0	0
NORTH WEST DELHI	3	1	0	0	4
SHAHADRA	0	0	0	0	0
SOUTH	1	0	0	0	0
SOUTH EAST	0	0	0	0	0
SOUTH WEST DELHI	0	0	0	0	0
WEST DELHI	2	0	1	0	0
Total	9	4	10	5	12

(e) Rajasthan

District	15 Sep-27 Nov				
	2020	2021	2022	2023	2024
AJMER	3	0	0	0	0
ALWAR	10	0	0	0	0
BANSWARA	0	0	1	1	1
BARAN	167	11	77	339	368
BARMER	4	0	0	0	0
BHARATPUR	2	3	1	3	8
BHILWARA	11	0	0	0	0
BIKANER	1	0	0	0	0
BUNDI	128	87	180	213	464
CHITTAURGARH	2	13	8	15	14
CHURU	0	0	0	0	0
DAUSA	1	0	0	0	0
DHOLPUR	0	0	0	0	0
DUNGARPUR	0	0	2	2	1
GANGANAGAR	214	142	103	153	287
HANUMANGARH	897	973	677	698	1112
JAIPUR	4	0	0	0	0
JAISELMER	5	0	0	0	0
JALOR	2	0	0	0	0
JHALAWAR	10	1	12	12	6
JHUNJHUNUN	1	0	0	0	0
JODHPUR	5	0	0	0	0
KARAULI	1	0	0	0	1
KOTA	116	57	147	268	360
NAGAU	4	0	0	0	0
PALI	11	0	0	0	0
PRATAPGARH	8	0	0	0	0
RAJSMAND	1	0	0	0	0
SIKAR	0	0	0	0	0
SIROHI	2	0	0	0	0
SWAIMADHOPUR	65	34	55	57	110
TONK	5	0	0	0	0
UDAIPUR	2	1	3	8	1
Total	1682	1322	1266	1769	2733

(f) Madhya Pradesh

District	15 Sep-27 Nov										
	2020	2021	2022	2023	2024	PANNA	50	22	39	48	83
ALIRAJPUR	0	0	0	0	0	RAISEN	603	356	446	407	759
ANUPPUR	3	2	6	3	8	RAJGARH	11	3	5	11	4
ASHOKNAGAR	156	90	188	278	753	RATLAM	10	7	3	6	3
BALAGHAT	8	6	3	4	18	REWA	136	111	89	94	171
BARWANI	4	0	0	3	4	SAGAR	28	31	54	92	98
BETUL	36	16	25	44	21	SATNA	570	511	465	388	632
BHIND	265	158	209	270	502	SEHORE	162	151	218	193	309
BHOPAL	52	40	43	50	78	SEONI	1231	891	1122	1438	529
BURHANPUR	16	1	5	10	1	SHAHDOL	3	1	3	2	1
CHHATARPUR	9	0	2	3	6	SHAJAPUR	20	0	0	20	40
CHHINDWARA	135	59	101	178	37	SHEOPUR	1859	1008	1800	1859	2507
DAMOH	75	53	70	100	102	SHIVPURI	386	101	285	301	379
DATIA	1185	494	858	912	1280	SIDHI	4	6	2	2	10
DEWAS	8	0	0	14	8	SINGRAULI	0	7	3	18	8
DHAR	47	0	0	45	26	TIKAMGARH	4	0	1	6	2
DINDORI	0	0	1	3	4	UJJAIN	14	0	0	18	14
EAST NIMAR	23	7	11	56	37	UMARIA	8	9	14	11	27
GUNA	69	12	122	468	637	VIDESHA	144	122	91	152	208
GWALIOR	2048	787	1580	1066	1323	WEST NIMAR	68	11	19	45	30
HARDA	14	21	11	31	14	Total	13986	7888	11403	12484	15481
HOSHANGABAD	1059	1066	1097	1181	1636						
INDORE	4	0	0	12	14						
JABALPUR	2619	1299	1793	1984	2243						
JHABUA	0	0	0	0	0						
KATNI	325	115	206	274	335						
MANDLA	147	112	146	97	141						
MANDSAUR	14	0	0	6	21						
MORENA	62	37	25	48	80						
NARSHIMAPURA	290	165	242	232	331						
NIMACH	2	0	0	1	7						

State-wise and date-wise number of paddy residue burning events detected in 2020 ,2021 ,2022, 2023 and 2024
(Period: 15 September-27 November)

Number of Paddy Residue Burning Events Detected

Date	Punjab					Haryana					Uttar Pradesh				
	2020	2021	2022	2023	2024	2020	2021	2022	2023	2024	2020	2021	2022	2023	2024
15-Sep	5	0	14	0	11	2	0	0	1	1	1	0	0	0	0
16-Sep	0	2	0	6	0	1	0	0	1	0	0	0	0	2	0
17-Sep	5	0	1	0	5	3	0	0	0	1	0	0	0	0	1
18-Sep	17	9	7	0	2	0	0	1	0	0	0	1	0	0	0
19-Sep	30	5	18	0	0	2	0	0	1	0	0	1	0	0	0
20-Sep	67	8	10	0	13	6	0	0	2	1	2	0	0	0	0
21-Sep	54	0	56	1	21	2	0	0	2	13	1	0	0	1	2
22-Sep	34	0	30	0	11	1	0	0	2	18	1	0	0	0	0
23-Sep	49	0	3	1	6	0	0	0	3	12	1	0	0	0	0
24-Sep	78	5	0	0	12	0	0	0	0	6	1	1	0	1	0
25-Sep	184	11	0	0	12	11	0	0	1	18	5	0	0	1	0
26-Sep	190	19	0	3	5	5	0	0	2	5	8	0	0	0	0
27-Sep	78	37	0	21	0	8	0	0	9	5	4	1	0	0	3
28-Sep	55	28	0	33	0	6	1	0	8	0	1	6	0	4	0
29-Sep	63	64	0	68	21	9	4	0	17	0	6	10	0	6	0
30-Sep	116	27	8	81	10	22	2	0	26	1	13	13	10	18	0
01-Oct	165	13	45	123	26	15	4	1	21	3	7	13	3	17	0
02-Oct	141	0	83	119	16	30	2	7	24	20	12	0	36	7	9
03-Oct	110	9	75	105	8	8	6	8	17	6	4	3	29	8	7
04-Oct	162	23	65	95	9	29	2	7	29	9	8	0	2	9	0
05-Oct	161	18	130	98	5	17	3	24	24	8	14	2	0	14	1
06-Oct	171	42	85	91	3	30	0	26	19	23	12	1	0	18	17
07-Oct	197	72	62	32	18	32	11	6	13	14	41	13	0	5	11
08-Oct	95	108	19	92	20	29	27	0	55	13	25	11	0	27	16
09-Oct	121	114	3	58	33	20	39	1	14	10	15	20	0	13	10
10-Oct	232	150	4	10	123	33	95	2	28	38	9	54	0	34	56
11-Oct	377	64	45	26	143	90	51	0	21	55	23	28	0	50	87
12-Oct	388	97	104	13	177	69	51	4	5	98	46	23	0	5	102

13-Oct	266	132	120	154	162	47	91	15	29	90	36	42	0	19	76
14-Oct	605	229	82	89	97	69	98	30	41	49	9	68	5	18	52
15-Oct	449	660	169	69	144	106	363	36	127	42	15	149	0	35	78
16-Oct	654	429	206	0	99	80	176	76	4	14	21	121	6	14	59
17-Oct	1172	14	403	1	77	143	0	86	0	28	38	39	7	0	23
18-Oct	938	57	342	18	59	166	1	134	8	26	76	0	30	2	47
19-Oct	1080	496	436	37	45	72	55	122	16	15	43	5	36	11	30
20-Oct	890	788	96	174	52	62	155	78	51	11	31	1	17	25	11
21-Oct	1392	597	393	146	65	101	131	107	68	2	25	5	23	59	25
22-Oct	1665	1111	582	30	71	128	140	122	25	10	32	3	18	117	17
23-Oct	1438	620	902	152	57	106	218	217	29	15	84	8	109	20	68
24-Oct	911	0	1019	360	40	57	38	250	70	6	63	11	212	38	18
25-Oct	1416	76	181	398	71	155	71	12	58	3	50	18	9	30	23
26-Oct	2126	329	1238	589	108	77	175	123	67	11	33	41	23	78	16
27-Oct	2563	279	1111	766	138	96	93	83	67	13	40	58	23	97	27
28-Oct	3232	906	2067	127	142	139	149	123	14	13	87	35	34	36	28
29-Oct	1624	1353	1898	1068	219	52	161	112	75	13	139	32	73	48	72
30-Oct	3946	1373	1761	1030	110	100	148	112	52	3	50	53	43	19	47
31-Oct	3531	2895	2131	1389	484	108	353	70	51	42	49	170	20	28	79
01-Nov	3835	1796	1842	1921	587	151	124	88	99	35	74	157	9	95	67
02-Nov	4098	3001	3634	1668	379	111	203	166	48	19	82	87	25	37	87
03-Nov	2818	2512	2666	1551	216	93	197	128	28	19	197	66	40	36	16
04-Nov	4584	3032	2437	1360	262	72	228	63	33	13	152	123	61	17	84
05-Nov	4529	5327	2817	3230	361	66	331	90	109	9	52	70	24	64	122
06-Nov	5382	3942	599	2060	286	151	219	46	65	9	43	208	28	87	50
07-Nov	5491	5199	2487	1515	258	150	182	37	26	18	86	46	8	169	60
08-Nov	3674	4397	604	2003	730	115	138	11	44	29	169	21	44	47	55
09-Nov	1718	5079	1778	639	237	21	217	69	27	24	115	51	58	17	139
10-Nov	3127	4008	1893	6	345	80	184	35	0	22	101	77	33	30	128
11-Nov	2822	4156	3916	104	418	93	126	152	27	27	71	151	36	35	25
12-Nov	1989	3403	2467	987	83	83	127	99	110	12	108	120	36	238	83
13-Nov	2441	3742	2175	1624	509	105	210	132	44	4	172	95	102	176	139
14-Nov	307	2541	4	1776	5	35	195	17	21	11	258	49	101	26	202
15-Nov	32	1761	141	2544	238	31	129	21	62	20	29	67	84	49	186
16-Nov	8	1757	1358	1271	136	0	269	84	46	25	15	138	48	56	46
17-Nov	248	523	966	1150	404	9	101	39	45	2	38	177	50	168	200
18-Nov	670	680	701	637	1251	60	111	108	21	36	62	14	66	180	133

19-Nov	454	448	426	740	270	37	132	79	33	35	129	11	116	188	368
20-Nov	677	283	368	634	179	77	127	32	38	30	134	20	168	102	395
21-Nov	457	168	243	513	192	65	178	11	54	10	135	106	46	110	165
22-Nov	46	66	78	512	147	15	91	20	62	17	120	276	76	217	232
23-Nov	43	91	140	205	162	52	59	27	23	53	106	186	73	307	198
24-Nov	9	34	66	191	77	20	37	32	16	52	167	87	195	178	426
25-Nov	0	31	44	37	67	1	41	28	4	26	127	80	241	74	379
26-Nov	16	21	22	63	31	0	48	12	2	17	83	74	127	100	145
27-Nov	124	19	12	0	41	26	28	8	1	15	54	257	14	11	203
Total	82842	71286	49888	36614	10821	4063	6946	3629	2285	1373	4060	3874	2677	3748	5451

Number of Paddy Residue Burning Events Detected

Date	Delhi					Rajasthan					Madhya Pradesh				
	2020	2021	2022	2023	2024	2020	2021	2022	2023	2024	2020	2021	2022	2023	2024
15-Sep	0	0	0	0	0	1	0	0	0	0	2	0	0	0	0
16-Sep	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	1
18-Sep	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	1	0
20-Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2
21-Sep	0	0	0	0	0	1	0	1	0	0	2	0	0	0	1
22-Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
23-Sep	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
24-Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25-Sep	0	0	0	0	0	1	0	0	0	3	0	0	0	1	0
26-Sep	0	0	0	1	0	1	0	0	0	0	2	0	0	0	2
27-Sep	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
28-Sep	0	0	0	0	0	0	0	0	0	0	1	1	0	2	0
29-Sep	0	0	0	0	0	3	0	0	6	0	0	4	0	5	0
30-Sep	1	0	0	0	0	1	0	0	4	2	5	0	0	11	0
01-Oct	0	0	0	0	0	4	1	1	4	1	13	0	1	8	3
02-Oct	1	0	0	0	0	7	0	3	4	3	12	0	1	1	0

03-Oct	0	0	0	0	0	9	0	2	5	0	5	1	5	5	2
04-Oct	0	0	0	0	0	15	0	0	22	0	4	2	0	12	0
05-Oct	0	0	2	0	0	14	0	1	11	2	13	1	0	18	2
06-Oct	1	0	0	0	0	16	0	0	9	1	37	1	0	7	12
07-Oct	0	0	0	0	0	14	1	1	7	4	31	1	0	9	17
08-Oct	0	0	0	0	0	11	0	0	9	1	17	2	0	18	7
09-Oct	0	0	0	0	0	12	0	0	17	1	15	4	0	24	2
10-Oct	0	0	0	0	3	14	1	0	26	3	18	10	0	52	1
11-Oct	0	0	0	1	0	21	7	1	21	6	32	2	0	24	17
12-Oct	0	0	0	0	2	24	1	2	1	13	44	1	1	1	5
13-Oct	0	0	0	0	1	7	5	2	28	10	21	2	7	32	5
14-Oct	0	0	0	0	1	16	1	1	15	20	15	11	1	26	7
15-Oct	0	0	0	0	0	9	8	2	34	23	8	27	2	66	11
16-Oct	1	0	0	0	1	12	2	4	18	100	23	13	2	51	112
17-Oct	0	0	0	0	0	26	0	4	12	16	63	1	11	31	51
18-Oct	0	0	1	0	3	37	2	12	11	30	88	0	15	13	71
19-Oct	0	0	0	0	0	27	5	12	31	25	49	1	12	65	46
20-Oct	0	0	0	0	0	26	4	4	57	11	9	21	7	131	24
21-Oct	2	0	0	0	0	32	2	6	34	21	112	30	18	147	53
22-Oct	0	0	0	0	0	29	5	12	57	36	183	29	31	119	93
23-Oct	1	0	0	0	0	23	7	20	29	50	204	32	70	89	194
24-Oct	0	0	2	0	0	20	4	7	38	11	150	34	26	132	32
25-Oct	1	0	0	0	0	18	2	4	47	49	144	60	0	159	94
26-Oct	0	0	0	0	1	34	3	21	59	54	178	55	57	320	170
27-Oct	0	0	0	0	0	42	1	21	73	60	294	62	38	256	130
28-Oct	0	0	0	0	0	45	4	46	12	65	537	110	143	202	160
29-Oct	0	0	0	0	0	29	23	37	73	93	349	97	151	372	175
30-Oct	0	0	0	0	0	17	20	55	37	89	428	168	119	224	131
31-Oct	0	0	0	0	0	37	15	36	33	85	455	299	112	360	145
01-Nov	0	0	1	0	0	51	5	27	60	68	709	198	142	509	226
02-Nov	0	0	0	0	0	55	19	63	40	80	820	214	284	401	296
03-Nov	1	0	1	0	0	34	20	54	38	36	771	148	323	552	67
04-Nov	0	0	2	0	0	46	19	34	21	98	618	123	348	408	506
05-Nov	0	0	0	0	0	46	45	91	59	90	474	320	319	698	502
06-Nov	0	0	0	0	0	40	32	27	47	72	678	248	392	655	320
07-Nov	0	0	0	1	0	57	38	80	23	68	848	199	383	497	320
08-Nov	0	0	0	1	0	33	44	5	29	119	981	170	783	417	474

09-Nov	0	1	0	0	0	34	48	22	3	57	495	330	570	251	544
10-Nov	0	0	0	0	0	48	40	34	27	79	346	380	282	508	783
11-Nov	0	1	0	0	0	75	55	95	29	85	418	506	482	488	595
12-Nov	0	0	0	0	0	31	40	84	33	42	422	185	421	300	694
13-Nov	0	2	0	0	0	54	78	63	60	96	670	171	773	144	1124
14-Nov	0	0	0	0	0	16	88	1	53	28	294	346	633	164	686
15-Nov	0	0	0	0	0	6	51	2	84	37	35	353	507	326	683
16-Nov	0	0	0	0	0	16	81	78	27	52	145	660	316	423	480
17-Nov	0	0	0	1	0	60	38	48	45	65	191	261	416	465	663
18-Nov	0	0	0	0	0	75	77	55	25	152	352	126	524	363	639
19-Nov	0	0	0	0	0	27	73	19	37	57	124	16	625	187	664
20-Nov	0	0	0	0	0	59	53	15	40	87	106	6	556	208	593
21-Nov	0	0	0	0	0	57	72	12	51	85	159	95	196	267	274
22-Nov	0	0	0	0	0	9	21	4	52	80	165	188	170	510	396
23-Nov	0	0	0	0	0	66	61	10	24	101	150	262	259	263	487
24-Nov	0	0	1	0	0	13	26	14	2	37	258	224	299	253	697
25-Nov	0	0	0	0	0	2	30	7	16	31	106	343	315	228	526
26-Nov	0	0	0	0	0	0	11	2	0	19	48	318	198	4	242
27-Nov	0	0	0	0	0	16	33	2	0	24	39	416	57	0	220
Total	9	4	10	5	12	1682	1322	1266	1769	2733	13986	7888	11403	12484	15481

Details of residue burning events in Punjab on 27-Nov-2024

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	BARNALA	BARNALA	S-NPP	30.19428	75.48069	14:06:07	D	2.70
2	BATHINDA	BATHINDA	S-NPP	30.10966	75.06306	14:06:07	D	2.90
3	BATHINDA	BATHINDA	S-NPP	30.24909	74.72456	14:06:07	D	4.60
4	FARIDKOT	JAITON	S-NPP	30.52482	74.91042	14:06:07	D	2.20
5	FATEHGARH SAHIB	SIRHIND	S-NPP	30.56419	76.31557	14:06:07	D	13.40
6	FATEHGARH SAHIB	SIRHIND	AQUA	30.56400	76.31300	14:04:31	D	31.60
7	FATEHGARH SAHIB	SIRHIND	AQUA	30.56900	76.45900	14:04:31	D	18.60
8	FAZILKA	ABOHAR	S-NPP	30.08876	74.19447	14:06:07	D	9.70
9	FAZILKA	ABOHAR	S-NPP	30.23139	74.25667	14:06:07	D	4.90
10	FAZILKA	ARNIWALA SHEIKH SUBANPUR	S-NPP	30.33682	74.30550	14:06:07	D	3.10
11	FAZILKA	FAZILKA	S-NPP	30.38354	74.00583	14:06:07	D	5.50
12	FAZILKA	FAZILKA	S-NPP	30.38462	74.00819	14:06:07	D	16.10
13	FAZILKA	FAZILKA	S-NPP	30.39780	73.95181	14:06:07	D	2.90
14	FAZILKA	FAZILKA	S-NPP	30.40267	73.95961	14:06:07	D	6.70
15	FAZILKA	FAZILKA	S-NPP	30.49074	74.05386	14:06:07	D	4.90
16	FAZILKA	FAZILKA	S-NPP	30.49537	74.05331	14:06:07	D	4.90
17	FAZILKA	JALALABAD	S-NPP	30.50917	74.35236	14:06:07	D	4.90
18	FAZILKA	JALALABAD	S-NPP	30.57564	74.18127	14:06:07	D	3.10
19	FIROZPUR	GURUHAR SAHAI	S-NPP	30.71028	74.28364	14:06:07	D	5.90
20	FIROZPUR	GURUHAR SAHAI	S-NPP	30.76658	74.42645	14:06:07	D	11.90
21	FIROZPUR	MAKHU	S-NPP	31.14092	74.86440	14:06:07	D	3.70
22	FIROZPUR	MAMDOT	S-NPP	30.80890	74.36269	14:06:07	D	3.40
23	FIROZPUR	MAMDOT	S-NPP	30.82469	74.32576	14:06:07	D	8.80
24	FIROZPUR	MAMDOT	S-NPP	30.82941	74.32522	14:06:07	D	8.80
25	GURDASPUR	DHARIWAL	S-NPP	31.90706	75.39516	14:06:07	D	3.70
26	KAPURTHALA	PHAGWARA	S-NPP	31.16899	75.76044	14:06:07	D	2.50
27	KAPURTHALA	PHAGWARA	S-NPP	31.17031	75.75955	14:06:07	D	2.30
28	LUDHIANA	JAGRAON	S-NPP	30.67787	75.41830	14:06:07	D	3.40
29	LUDHIANA	JAGRAON	S-NPP	30.75129	75.52373	14:06:07	D	1.40
30	MANSA	SARDULGARH	S-NPP	29.69817	75.31748	14:06:07	D	4.10
31	MOGA	MOGA 2	S-NPP	30.72989	75.06842	14:06:07	D	3.60
32	MUKTSAR	KOT BHAI AT GIDDERBAHA	S-NPP	30.32219	74.75434	12:25:50	D	7.60
33	MUKTSAR	KOT BHAI AT GIDDERBAHA	S-NPP	30.34531	74.61552	14:06:07	D	6.00
34	MUKTSAR	LAMBI	S-NPP	30.04024	74.49044	14:06:07	D	6.00

35	MUKTSAR	LAMBI	S-NPP	30.12198	74.59818	14:06:07	D	3.40
36	MUKTSAR	MUKTSAR	S-NPP	30.56918	74.65070	14:06:07	D	7.00
37	MUKTSAR	MUKTSAR	S-NPP	30.56995	74.64718	14:06:07	D	11.10
38	MUKTSAR	MUKTSAR	AQUA	30.57400	74.64400	14:04:31	D	13.20
39	SANGRUR	SHER PUR	S-NPP	30.29946	75.70661	14:06:07	D	3.20
40	SANGRUR	SHER PUR	S-NPP	30.29975	75.71005	14:06:07	D	3.20
41	SBS NAGAR	AUR	S-NPP	31.16903	75.87650	02:55:25	N	0.30

Details of residue burning events in Haryana on 27-Nov-2024

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	AMBALA	BARARA	S-NPP	30.27571	77.09931	01:15:08	N	0.70
2	AMBALA	BARARA	S-NPP	30.27606	77.09970	02:55:25	N	0.70
3	BHIWANI	BHIWANI	S-NPP	28.89164	76.30287	14:06:07	D	1.10
4	HISAR	NARNAUND	S-NPP	29.30421	76.12617	14:06:07	D	5.60
5	HISAR	NARNAUND	S-NPP	29.30529	76.12514	14:06:07	D	3.80
6	JHAJJAR	BERI	S-NPP	28.66212	76.46349	14:06:07	D	4.40
7	JIND	JIND	S-NPP	29.30153	76.21936	14:06:07	D	2.00
8	JIND	JIND	S-NPP	29.40596	76.33176	14:06:07	D	7.10
9	SIRSA	ELLENABAD	S-NPP	29.44827	74.87725	14:06:07	D	5.10
10	SIRSA	RANIA	S-NPP	29.49576	74.81217	14:06:07	D	4.20
11	SIRSA	RANIA	S-NPP	29.52264	74.90847	14:06:07	D	2.20
12	SIRSA	SIRSA	S-NPP	29.53026	74.95739	02:55:25	N	0.60
13	SIRSA	SIRSA	S-NPP	29.53708	74.97337	02:55:25	N	0.70
14	SONIPAT	MURTHAL	S-NPP	28.96050	77.15103	14:06:07	D	2.10
15	SONIPAT	MURTHAL	S-NPP	28.96066	77.15111	14:06:07	D	2.00

Details of residue burning events in Uttar Pradesh on 27-Nov-2024

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	ALLAHABAD	BARA	S-NPP	25.25645	81.70792	01:15:08	N	0.70
2	ALLAHABAD	BARA	AQUA	25.07400	81.71100	14:04:31	D	6.50
3	ALLAHABAD	BARA	AQUA	25.12600	81.62300	14:04:31	D	4.00
4	ALLAHABAD	HADIYA	AQUA	25.37400	82.22800	14:04:31	D	6.80
5	ALLAHABAD	KARCHHANA	S-NPP	25.26031	81.88396	14:06:07	D	5.80
6	ALLAHABAD	KARCHHANA	AQUA	25.25700	81.87700	14:04:31	D	9.10
7	ALLAHABAD	KARCHHANA	AQUA	25.25900	81.88700	14:04:31	D	13.50
8	ALLAHABAD	SORAWN	AQUA	25.66600	81.71500	14:04:31	D	5.50
9	AMBEDKARNAGAR	AKBARPUR	AQUA	26.40500	82.69000	14:04:31	D	3.60
10	AMBEDKARNAGAR	AKBARPUR	AQUA	26.46100	82.64000	14:04:31	D	4.30
11	AMBEDKARNAGAR	AKBARPUR	AQUA	26.52000	82.33600	14:04:31	D	4.90
12	AMBEDKARNAGAR	AKBARPUR	AQUA	26.52300	82.50200	14:04:31	D	3.90
13	AMBEDKARNAGAR	TANDA	S-NPP	26.50702	82.62743	12:25:50	D	1.80
14	AMBEDKARNAGAR	TANDA	S-NPP	26.50839	82.62955	12:25:50	D	3.00
15	AMBEDKARNAGAR	TANDA	S-NPP	26.56799	82.48344	12:25:50	D	1.60
16	AMBEDKARNAGAR	TANDA	AQUA	26.49500	82.67800	14:04:31	D	3.80
17	AMETHI	GAURIGANJ	S-NPP	26.35773	81.64246	12:25:50	D	3.70
18	AMETHI	GAURIGANJ	AQUA	26.16700	81.65500	14:04:31	D	4.30
19	AMETHI	GAURIGANJ	AQUA	26.35400	81.72900	14:04:31	D	4.10
20	AMETHI	GAURIGANJ	AQUA	26.37600	81.69400	14:04:31	D	6.00
21	AMETHI	GAURIGANJ	AQUA	26.37800	81.70400	14:04:31	D	5.40
22	AURAIYA	AURAIYA	S-NPP	26.49208	79.39101	14:06:07	D	3.50
23	AZAMGARH	LALGANJ	S-NPP	25.81033	83.07774	12:25:50	D	1.90
24	AZAMGARH	NIZAMABAD	AQUA	25.97900	82.94700	14:04:31	D	7.80
25	AZAMGARH	PHULPUR	S-NPP	25.95641	82.75388	12:25:50	D	2.50
26	BAHRAICH	BAHRAICH	AQUA	27.54100	81.73800	14:04:31	D	4.60
27	BALLIA	BALLIA	AQUA	25.80500	84.01500	14:04:31	D	5.30
28	BALLIA	BELTHARA ROAD	AQUA	26.00700	83.79600	14:04:31	D	4.30
29	BALLIA	BELTHARA ROAD	AQUA	26.04700	83.89300	14:04:31	D	4.10
30	BALLIA	SIKANDARPUR	AQUA	25.98200	84.09700	14:04:31	D	4.00

31	BALLIA	SIKANDARPUR	AQUA	26.07400	83.95000	14:04:31	D	7.20
32	BALLIA	SIKANDARPUR	AQUA	26.07500	83.96000	14:04:31	D	10.40
33	BANDA	ATARRA	S-NPP	25.44021	80.51839	12:25:50	D	5.00
34	BANDA	BABERU	AQUA	25.63600	80.85800	14:04:31	D	4.10
35	BANDA	BABERU	AQUA	25.64800	80.76400	14:04:31	D	5.30
36	BAREILLY	BAHERI	AQUA	28.81300	79.52300	14:04:31	D	5.40
37	BAREILLY	FARIDPUR	S-NPP	28.17707	79.63724	14:06:07	D	4.60
38	BAREILLY	FARIDPUR	S-NPP	28.21921	79.45558	12:25:50	D	3.10
39	BASTI	BASTI	AQUA	26.82400	82.85000	14:04:31	D	4.40
40	BULANSAHAR	SHIKARPUR	S-NPP	28.27409	77.94694	14:06:07	D	5.50
41	BULANSAHAR	SIKANDARABAD	S-NPP	28.33408	77.80718	14:06:07	D	2.40
42	CHANDAUЛИ	CHAKIA	AQUA	25.14500	83.31500	14:04:31	D	40.50
43	CHANDAUЛИ	CHANDAUЛИ	S-NPP	25.28919	83.50524	12:25:50	D	2.60
44	CHANDAUЛИ	CHANDAUЛИ	S-NPP	25.29092	83.50313	12:25:50	D	2.90
45	CHANDAUЛИ	CHANDAUЛИ	AQUA	25.30800	83.48400	14:04:31	D	7.00
46	CHANDAUЛИ	CHANDAUЛИ	AQUA	25.37300	83.43300	14:04:31	D	6.90
47	CHANDAUЛИ	CHANDAUЛИ	AQUA	25.37500	83.44200	14:04:31	D	4.00
48	CHITRAKOOT	MAU	AQUA	25.28400	81.27000	14:04:31	D	7.80
49	DEORIA	DEORIA	S-NPP	26.64640	83.79262	12:25:50	D	3.70
50	DEORIA	DEORIA	S-NPP	26.66632	83.68106	01:15:08	N	0.70
51	DEORIA	DEORIA	S-NPP	26.66716	83.68254	01:15:08	N	1.20
52	DEORIA	DEORIA	S-NPP	26.67056	83.68166	01:15:08	N	0.70
53	DEORIA	DEORIA	AQUA	26.58600	83.72200	14:04:31	D	5.60
54	DEORIA	DEORIA	AQUA	26.63700	83.68700	14:04:31	D	5.70
55	DEORIA	DEORIA	AQUA	26.64500	83.68600	14:04:31	D	6.30
56	DEORIA	DEORIA	AQUA	26.66700	83.71300	14:04:31	D	6.80
57	DEORIA	DEORIA	AQUA	26.69200	83.76100	14:04:31	D	4.60
58	FAIZABAD	FAIZSBAD	S-NPP	26.63262	82.36047	12:25:50	D	1.60
59	FAIZABAD	FAIZSBAD	AQUA	26.62400	82.36100	14:04:31	D	5.10
60	FAIZABAD	FAIZSBAD	AQUA	26.69500	82.27100	14:04:31	D	5.60
61	FAIZABAD	RUDAULI	S-NPP	26.76829	81.67274	12:25:50	D	2.70
62	FARRUKHABAD	KARIMGANJ	AQUA	27.48500	79.41100	14:04:31	D	6.30
63	FATEHPUR	FATEHPUR	S-NPP	25.72854	80.85957	12:25:50	D	3.30
64	FATEHPUR	FATEHPUR	AQUA	25.74500	80.84600	14:04:31	D	7.20
65	FATEHPUR	FATEHPUR	AQUA	25.77100	80.89500	14:04:31	D	6.10

66	GAZIPUR	JAKHANIA	AQUA	25.78600	83.47000	14:04:31	D	11.90
67	GAZIPUR	MUHAMMADBAD	AQUA	25.62100	83.88300	14:04:31	D	5.10
68	GAZIPUR	ZAMANIA	AQUA	25.33300	83.60000	14:04:31	D	4.50
69	GORAKHPUR	GORAKHPUR	S-NPP	26.91393	83.42516	12:25:50	D	4.50
70	GORAKHPUR	GORAKHPUR	S-NPP	26.91742	83.42622	12:25:50	D	5.60
71	GORAKHPUR	GORAKHPUR	AQUA	26.77900	83.58400	14:04:31	D	5.90
72	GORAKHPUR	GORAKHPUR	AQUA	26.85000	83.50400	14:04:31	D	13.00
73	GORAKHPUR	GORAKHPUR	AQUA	26.85200	83.51400	14:04:31	D	4.50
74	GORAKHPUR	GORAKHPUR	AQUA	26.87200	83.45200	14:04:31	D	6.20
75	GORAKHPUR	GORAKHPUR	AQUA	26.87700	83.48200	14:04:31	D	7.80
76	GORAKHPUR	GORAKHPUR	AQUA	26.87800	83.49200	14:04:31	D	9.30
77	GORAKHPUR	GORAKHPUR	AQUA	26.88700	83.42900	14:04:31	D	5.80
78	HAPUR	GARHMUKTESAR	S-NPP	28.73866	78.11789	12:25:50	D	2.90
79	HAPUR	GARHMUKTESAR	S-NPP	28.78012	78.01134	14:06:07	D	5.10
80	HAPUR	HAPUR	S-NPP	28.74886	77.89639	14:06:07	D	2.80
81	HAPUR	HAPUR	AQUA	28.74200	77.89700	14:04:31	D	8.50
82	JAUNPUR	MARIAHU	S-NPP	25.60776	82.68535	01:15:08	N	0.40
83	JAUNPUR	MARIAHU	S-NPP	25.60958	82.68378	01:15:08	N	0.40
84	JAUNPUR	SHHGANJ	AQUA	26.00800	82.62600	14:04:31	D	4.10
85	JAUNPUR	SHHGANJ	AQUA	26.05800	82.59700	14:04:31	D	3.90
86	JAUNPUR	SHHGANJ	AQUA	26.07500	82.65400	14:04:31	D	9.10
87	JAUNPUR	SHHGANJ	AQUA	26.12500	82.55000	14:04:31	D	5.70
88	JHANSI	JHANSI	S-NPP	25.51332	78.70041	14:06:07	D	5.40
89	JHANSI	JHANSI	S-NPP	25.51364	78.69943	14:06:07	D	4.70
90	JHANSI	JHANSI	AQUA	25.51600	78.69800	14:04:31	D	8.50
91	JHANSI	MOTH	S-NPP	25.67406	78.97684	14:06:07	D	14.50
92	JHANSI	MOTH	AQUA	25.66700	78.97000	14:04:31	D	20.60
93	JHANSI	MOTH	AQUA	25.67000	78.98300	14:04:31	D	22.70
94	JHANSI	MOTH	AQUA	25.69000	78.86700	14:04:31	D	6.50
95	KANPUR	KANPUR NAGAR	AQUA	26.40300	80.21500	14:04:31	D	4.50
96	KANPUR DEHAT	AKBARPUR	AQUA	26.57400	80.06600	14:04:31	D	7.00
97	KANPUR DEHAT	BHOGANIPUR	AQUA	26.25400	79.81500	14:04:31	D	10.30
98	KANPUR DEHAT	RASULABAD	AQUA	26.64000	79.79200	14:04:31	D	5.90
99	KAUSHAMBI	MANJHANPUR	S-NPP	25.42318	81.24976	14:06:07	D	5.40
100	KAUSHAMBI	MANJHANPUR	S-NPP	25.49939	81.27489	12:25:50	D	2.40

101	KAUSHAMBI	MANJHANPUR	AQUA	25.41900	81.24900	14:04:31	D	9.70
102	KAUSHAMBI	MANJHANPUR	AQUA	25.45200	81.27800	14:04:31	D	7.70
103	KHERI	GOLA	S-NPP	28.00082	80.48831	12:25:50	D	1.60
104	KHERI	GOLA	AQUA	27.98400	80.36300	14:04:31	D	14.60
105	KHERI	LAKHIMPUR	S-NPP	28.00382	80.58398	12:25:50	D	2.80
106	KHERI	MOHMADI	S-NPP	27.82361	80.58765	12:25:50	D	2.60
107	KHERI	MOHMADI	S-NPP	27.82525	80.37134	12:25:50	D	2.20
108	KHERI	MOHMADI	S-NPP	27.89664	80.14117	12:25:50	D	3.10
109	KHERI	PALIA KALAN	S-NPP	28.33367	80.49624	14:06:07	D	3.70
110	KHERI	PALIA KALAN	S-NPP	28.33607	80.49792	14:06:07	D	2.00
111	KHERI	PALIA KALAN	S-NPP	28.45878	80.52763	14:06:07	D	5.30
112	KHERI	PALIA KALAN	S-NPP	28.46190	80.52718	14:06:07	D	5.50
113	KUSHINAGAR	HATA	AQUA	26.71600	83.79800	14:04:31	D	11.70
114	KUSHINAGAR	HATA	AQUA	26.78000	83.59400	14:04:31	D	4.70
115	KUSHINAGAR	HATA	AQUA	26.78000	83.65600	14:04:31	D	4.40
116	KUSHINAGAR	HATA	AQUA	26.81400	83.70600	14:04:31	D	6.30
117	KUSHINAGAR	HATA	AQUA	26.81600	83.71700	14:04:31	D	4.70
118	KUSHINAGAR	HATA	AQUA	26.81800	83.73700	14:04:31	D	5.60
119	KUSHINAGAR	HATA	AQUA	26.82800	83.67300	14:04:31	D	5.00
120	KUSHINAGAR	HATA	AQUA	26.84400	83.58700	14:04:31	D	11.00
121	KUSHINAGAR	HATA	AQUA	26.85100	83.63800	14:04:31	D	4.40
122	KUSHINAGAR	HATA	AQUA	26.88000	83.57400	14:04:31	D	5.50
123	KUSHINAGAR	HATA	AQUA	26.88200	83.66400	14:04:31	D	5.20
124	KUSHINAGAR	HATA	AQUA	26.90200	83.60200	14:04:31	D	4.90
125	KUSHINAGAR	HATA	AQUA	26.90300	83.61200	14:04:31	D	4.90
126	KUSHINAGAR	KASAYA	AQUA	26.70300	84.04200	14:04:31	D	5.00
127	KUSHINAGAR	TAMKUHIRAJ	AQUA	26.75900	84.04700	14:04:31	D	8.10
128	MAHARAJGANJ	MAHARAJGANJ	S-NPP	26.99465	83.44184	12:25:50	D	4.40
129	MAHARAJGANJ	MAHARAJGANJ	AQUA	26.93400	83.50300	14:04:31	D	4.30
130	MAHARAJGANJ	MAHARAJGANJ	AQUA	26.96000	83.56100	14:04:31	D	4.40
131	MAHARAJGANJ	MAHARAJGANJ	AQUA	26.96200	83.57100	14:04:31	D	5.50
132	MAHARAJGANJ	MAHARAJGANJ	AQUA	26.96600	83.53300	14:04:31	D	5.30
133	MAHARAJGANJ	MAHARAJGANJ	AQUA	26.98000	83.63400	14:04:31	D	8.50
134	MAHARAJGANJ	MAHARAJGANJ	AQUA	26.98400	83.66500	14:04:31	D	9.70
135	MAHARAJGANJ	MAHARAJGANJ	AQUA	26.98900	83.43600	14:04:31	D	4.50

136	MAHARAJGANJ	MAHARAJGANJ	AQUA	27.02500	83.43000	14:04:31	D	5.30
137	MAHARAJGANJ	MAHARAJGANJ	AQUA	27.03600	83.64600	14:04:31	D	3.90
138	MAHARAJGANJ	MAHARAJGANJ	AQUA	27.03700	83.65600	14:04:31	D	5.00
139	MAHARAJGANJ	MAHARAJGANJ	AQUA	27.04400	83.57100	14:04:31	D	9.40
140	MAHARAJGANJ	MAHARAJGANJ	AQUA	27.10800	83.62600	14:04:31	D	4.80
141	MAHARAJGANJ	MAHARAJGANJ	AQUA	27.10900	83.63700	14:04:31	D	5.50
142	MAHARAJGANJ	MAHARAJGANJ	AQUA	27.12800	83.50900	14:04:31	D	10.10
143	MAHARAJGANJ	MAHARAJGANJ	AQUA	27.18800	83.68000	14:04:31	D	7.40
144	MAHARAJGANJ	MAHARAJGANJ	AQUA	27.19100	83.56500	14:04:31	D	9.50
145	MAHARAJGANJ	MAHARAJGANJ	AQUA	27.19200	83.57500	14:04:31	D	12.80
146	MAHARAJGANJ	NAUTANWA	AQUA	27.34700	83.42100	14:04:31	D	4.10
147	MAHARAJGANJ	NAUTANWA	AQUA	27.47200	83.52800	14:04:31	D	4.80
148	MAHARAJGANJ	NICHLAUL	AQUA	27.16700	83.72100	14:04:31	D	4.80
149	MAHARAJGANJ	NICHLAUL	AQUA	27.17500	83.71400	14:04:31	D	8.00
150	MAHARAJGANJ	NICHLAUL	AQUA	27.25100	83.66900	14:04:31	D	29.90
151	MAHARAJGANJ	NICHLAUL	AQUA	27.25300	83.67900	14:04:31	D	4.90
152	MAHARAJGANJ	NICHLAUL	AQUA	27.31700	83.67200	14:04:31	D	4.90
153	MAHARAJGANJ	NICHLAUL	AQUA	27.31800	83.68300	14:04:31	D	6.80
154	MAU	MADHUBAN	AQUA	26.04600	83.61600	14:04:31	D	4.10
155	MAU	MADHUBAN	AQUA	26.04700	83.62600	14:04:31	D	5.90
156	MAU	MADHUBAN	AQUA	26.14400	83.58700	14:04:31	D	5.10
157	MIRZAPUR	CHUNAR	AQUA	25.16600	83.12600	14:04:31	D	4.20
158	MORADABAD	BILARI	S-NPP	28.64525	78.82362	12:25:50	D	3.40
159	MORADABAD	BILARI	S-NPP	28.64565	78.82375	12:25:50	D	2.30
160	MORADABAD	MORADABAD	S-NPP	28.90684	78.78268	12:25:50	D	2.60
161	PILHIBHIT	BISALPUR	S-NPP	28.22256	79.96767	01:15:08	N	0.90
162	RAIBEARELI	DALMAU	S-NPP	26.08834	81.14421	12:25:50	D	3.20
163	RAIBEARELI	MAHARAJGANG	S-NPP	26.35151	81.37751	12:25:50	D	2.20
164	RAIBEARELI	SALON	AQUA	26.14800	81.47400	14:04:31	D	4.10
165	RAIBEARELI	TILOI	AQUA	26.34800	81.39300	14:04:31	D	6.20
166	RAIBEARELI	TILOI	AQUA	26.36100	81.53400	14:04:31	D	4.70
167	RAIBEARELI	TILOI	AQUA	26.36200	81.54400	14:04:31	D	3.90
168	RAIBEARELI	TILOI	AQUA	26.57200	81.45400	14:04:31	D	5.10
169	RAMPUR	SUAR	S-NPP	29.05417	79.08155	14:06:07	D	3.60
170	SAMBHAL	CHANDAUSI	S-NPP	28.43337	78.71291	14:06:07	D	2.30

171	SANTKABIRNAGAR	GHANGHATA	AQUA	26.64300	83.06700	14:04:31	D	4.20
172	SANTKABIRNAGAR	KHALILABAD	S-NPP	26.80100	82.98960	12:25:50	D	14.80
173	SANTKABIRNAGAR	MEHDAWAL	S-NPP	27.03629	83.01914	12:25:50	D	1.60
174	SHAHJAHANPUR	PUWANYA	S-NPP	28.00503	80.06129	14:06:07	D	4.90
175	SHAHJAHANPUR	PUWANYA	S-NPP	28.00514	80.06076	14:06:07	D	8.00
176	SHAHJAHANPUR	PUWANYA	S-NPP	28.11399	80.13290	12:25:50	D	2.30
177	SHAHJAHANPUR	SHAHJAHANPUR	S-NPP	27.98670	79.86867	14:06:07	D	4.90
178	SHAHJAHANPUR	SHAHJAHANPUR	S-NPP	27.98798	79.86784	14:06:07	D	4.20
179	SHARANPUR	NAKUR	S-NPP	29.96635	77.28313	12:25:50	D	2.10
180	SIDDHARTHANAGAR	ITWA	S-NPP	27.36484	82.59761	12:25:50	D	2.50
181	SIDDHARTHANAGAR	ITWA	AQUA	27.35100	82.59700	14:04:31	D	4.20
182	SIDDHARTHANAGAR	ITWA	AQUA	27.36000	82.59500	14:04:31	D	5.90
183	SITAPUR	BISWAN	AQUA	27.54700	81.11500	14:04:31	D	5.50
184	SITAPUR	BISWAN	AQUA	27.55300	81.04100	14:04:31	D	5.10
185	SITAPUR	MISRIK	S-NPP	27.70528	80.52968	12:25:50	D	6.60
186	SITAPUR	SITAPUR	S-NPP	27.73454	80.74715	12:25:50	D	1.80
187	SITAPUR	SITAPUR	S-NPP	27.80675	80.68939	12:25:50	D	1.60
188	SITAPUR	SITAPUR	AQUA	27.61600	80.60900	14:04:31	D	10.40
189	SITAPUR	SITAPUR	AQUA	27.61900	80.74700	14:04:31	D	4.30
190	SULTANPUR	JAISINGHPUR	S-NPP	26.29058	82.32317	12:25:50	D	3.10
191	SULTANPUR	JAISINGHPUR	S-NPP	26.29848	82.23533	12:25:50	D	2.70
192	SULTANPUR	JAISINGHPUR	S-NPP	26.30073	82.23380	12:25:50	D	3.50
193	SULTANPUR	JAISINGHPUR	AQUA	26.27900	82.27900	14:04:31	D	6.80
194	SULTANPUR	JAISINGHPUR	AQUA	26.30400	82.26500	14:04:31	D	5.00
195	SULTANPUR	JAISINGHPUR	AQUA	26.30500	82.27400	14:04:31	D	4.80
196	SULTANPUR	JAISINGHPUR	AQUA	26.38900	82.21200	14:04:31	D	5.70
197	SULTANPUR	KADIRPUR	S-NPP	26.22058	82.35806	12:25:50	D	2.00
198	SULTANPUR	KADIRPUR	S-NPP	26.24233	82.52067	12:25:50	D	2.30
199	SULTANPUR	KADIRPUR	AQUA	26.13400	82.42800	14:04:31	D	5.40
200	UNNAO	BIGHAPUR	S-NPP	26.38910	80.74912	12:25:50	D	2.70
201	UNNAO	HASANGANJ	S-NPP	26.81722	80.63297	12:25:50	D	3.30
202	UNNAO	HASANGANJ	AQUA	26.64900	80.64900	14:04:31	D	8.30
203	UNNAO	UNNAO	AQUA	26.47800	80.44400	14:04:31	D	5.00

Details of residue burning events in Rajasthan on 27-Nov-2024

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	CHITTAURGARH	RAWATBHATA	S-NPP	24.72008	75.42641	14:06:07	D	3.50
2	GANGANAGAR	ANAPGARH	S-NPP	29.14733	73.29656	14:06:07	D	4.80
3	GANGANAGAR	ANAPGARH	S-NPP	29.14757	73.29294	14:06:07	D	3.30
4	GANGANAGAR	ANAPGARH	S-NPP	29.17213	73.31847	14:06:07	D	2.10
5	GANGANAGAR	VIJAY NAGAR	S-NPP	29.33925	73.65960	14:06:07	D	3.90
6	HANUMANGARH	HANUMANGARH	S-NPP	29.51144	74.20294	14:06:07	D	3.70
7	HANUMANGARH	HANUMANGARH	S-NPP	29.58717	74.40511	14:06:07	D	5.00
8	HANUMANGARH	HANUMANGARH	S-NPP	29.58915	74.37673	14:06:07	D	4.40
9	HANUMANGARH	HANUMANGARH	S-NPP	29.58924	74.40261	14:06:07	D	10.50
10	HANUMANGARH	HANUMANGARH	S-NPP	29.59185	74.40457	14:06:07	D	5.00
11	HANUMANGARH	HANUMANGARH	S-NPP	29.60075	74.37308	14:06:07	D	5.10
12	HANUMANGARH	HANUMANGARH	S-NPP	29.62098	74.38760	14:06:07	D	10.60
13	HANUMANGARH	HANUMANGARH	AQUA	29.61200	74.39200	14:04:31	D	16.40
14	HANUMANGARH	PILIBANGA	S-NPP	29.48340	74.10309	14:06:07	D	5.20
15	HANUMANGARH	PILIBANGA	S-NPP	29.48799	74.10252	14:06:07	D	5.20
16	HANUMANGARH	SANGHRIYA	S-NPP	29.61315	74.40545	14:06:07	D	5.40
17	HANUMANGARH	TIBI	S-NPP	29.49293	74.46137	14:06:07	D	3.10
18	HANUMANGARH	TIBI	S-NPP	29.50710	74.40884	14:06:07	D	4.00
19	HANUMANGARH	TIBI	S-NPP	29.56816	74.55546	14:06:07	D	4.60
20	HANUMANGARH	TIBI	S-NPP	29.58986	74.43305	14:06:07	D	12.90
21	HANUMANGARH	TIBI	S-NPP	29.59125	74.42499	14:06:07	D	6.20
22	HANUMANGARH	TIBI	S-NPP	29.59225	74.43620	14:06:07	D	8.50
23	HANUMANGARH	TIBI	S-NPP	29.61000	74.42278	14:06:07	D	2.20
24	HANUMANGARH	TIBI	AQUA	29.59100	74.42700	14:04:31	D	14.60

Details of residue burning events in Madhya Pradesh on 27-Nov-2024

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.49461	77.73125	14:06:07	D	4.00
2	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.49525	77.73881	14:06:07	D	1.70
3	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.50798	77.69562	14:06:07	D	4.60
4	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.50831	77.69939	14:06:07	D	5.30
5	ASHOKNAGAR	ASHOKNAGAR	AQUA	24.50300	77.70300	14:04:31	D	10.50
6	ASHOKNAGAR	MUNGAOLI	S-NPP	24.31903	77.95139	14:06:07	D	3.20
7	BALAGHAT	KHAIRLANJI	S-NPP	21.61688	80.10341	14:06:07	D	2.80
8	BHIND	GOHAD	S-NPP	26.49759	78.37271	14:06:07	D	6.00
9	BHIND	GOHAD	AQUA	26.38200	78.33500	14:04:31	D	7.60
10	BHIND	GOHAD	AQUA	26.45500	78.34100	14:04:31	D	7.80
11	BHIND	GOHAD	AQUA	26.50100	78.35900	14:04:31	D	7.10
12	BHOPAL	HUZUR	S-NPP	23.18411	77.51589	01:15:08	N	1.10
13	CHHINDWARA	AMARWARA	S-NPP	22.72237	79.12653	14:06:07	D	3.50
14	CHHINDWARA	AMARWARA	S-NPP	22.72292	79.12675	14:06:07	D	3.70
15	DATIA	BHANDER	S-NPP	25.87035	78.64099	14:06:07	D	2.00
16	DATIA	DATIA	S-NPP	25.75258	78.47192	14:06:07	D	5.50
17	DATIA	SEONDHA	S-NPP	25.98804	78.64091	12:25:50	D	5.20
18	DATIA	SEONDHA	S-NPP	25.98976	78.64255	12:25:50	D	6.90
19	DATIA	SEONDHA	S-NPP	26.00416	78.62274	12:25:50	D	3.80
20	GWALIOR	BHITARWAR	S-NPP	25.79021	77.98116	14:06:07	D	2.90
21	GWALIOR	BHITARWAR	S-NPP	25.81160	77.96669	14:06:07	D	2.10
22	GWALIOR	BHITARWAR	S-NPP	25.87794	78.08547	14:06:07	D	6.50
23	GWALIOR	BHITARWAR	S-NPP	25.88948	78.04684	14:06:07	D	2.50
24	GWALIOR	BHITARWAR	S-NPP	25.89168	78.04639	14:06:07	D	3.30
25	GWALIOR	BHITARWAR	S-NPP	25.93348	78.03006	14:06:07	D	2.40
26	GWALIOR	BHITARWAR	S-NPP	25.94832	78.05634	12:25:50	D	11.10
27	GWALIOR	BHITARWAR	S-NPP	25.94973	78.05705	12:25:50	D	9.70
28	GWALIOR	BHITARWAR	S-NPP	25.97169	78.08111	14:06:07	D	3.00
29	GWALIOR	BHITARWAR	S-NPP	25.97405	78.07834	14:06:07	D	4.90

30	GWALIOR	BHITARWAR	S-NPP	25.97733	78.08058	14:06:07	D	3.00
31	GWALIOR	BHITARWAR	S-NPP	25.98151	78.06864	12:25:50	D	5.40
32	GWALIOR	BHITARWAR	AQUA	25.80900	78.00100	14:04:31	D	9.00
33	GWALIOR	BHITARWAR	AQUA	25.87300	78.08500	14:04:31	D	11.80
34	GWALIOR	BHITARWAR	AQUA	25.96900	78.10300	14:04:31	D	9.00
35	GWALIOR	BHITARWAR	AQUA	25.97400	78.07200	14:04:31	D	10.00
36	GWALIOR	DABRA	S-NPP	25.86842	78.24760	14:06:07	D	2.30
37	GWALIOR	DABRA	S-NPP	25.88317	78.35906	14:06:07	D	4.20
38	GWALIOR	DABRA	S-NPP	25.89204	78.22868	14:06:07	D	4.70
39	GWALIOR	DABRA	S-NPP	25.90472	78.24463	14:06:07	D	2.00
40	GWALIOR	DABRA	S-NPP	25.92584	78.22117	14:06:07	D	2.50
41	GWALIOR	DABRA	AQUA	25.88800	78.23000	14:04:31	D	9.80
42	HOSHANGABAD	BANKHERI	S-NPP	22.90901	78.51340	14:06:07	D	2.90
43	HOSHANGABAD	PIPARIYA	S-NPP	22.85365	78.37991	14:06:07	D	2.30
44	HOSHANGABAD	PIPARIYA	S-NPP	22.90394	78.33051	14:06:07	D	2.20
45	HOSHANGABAD	SOHAGPUR	S-NPP	22.73393	78.13152	01:15:08	N	0.30
46	HOSHANGABAD	SOHAGPUR	S-NPP	22.87451	78.31380	14:06:07	D	1.30
47	JABALPUR	JABALPUR	S-NPP	23.23487	79.86054	12:25:50	D	7.10
48	JABALPUR	JABALPUR	S-NPP	23.23578	79.86324	12:25:50	D	6.20
49	JABALPUR	JABALPUR	S-NPP	23.24654	79.90717	12:25:50	D	10.70
50	JABALPUR	JABALPUR	S-NPP	23.24718	79.91005	12:25:50	D	4.20
51	JABALPUR	JABALPUR	S-NPP	23.24889	79.92035	14:06:07	D	5.20
52	JABALPUR	JABALPUR	S-NPP	23.25356	79.90820	12:25:50	D	4.20
53	JABALPUR	JABALPUR	S-NPP	23.25782	79.86944	12:25:50	D	3.80
54	JABALPUR	JABALPUR	S-NPP	23.28052	79.92989	14:06:07	D	6.70
55	JABALPUR	JABALPUR	S-NPP	23.28078	79.93281	14:06:07	D	7.40
56	JABALPUR	JABALPUR	S-NPP	23.28407	79.89728	14:06:07	D	2.30
57	JABALPUR	JABALPUR	S-NPP	23.28440	79.89927	14:06:07	D	4.00
58	JABALPUR	JABALPUR	S-NPP	23.29555	79.91195	12:25:50	D	6.10
59	JABALPUR	JABALPUR	S-NPP	23.29761	79.89268	12:25:50	D	3.20
60	JABALPUR	JABALPUR	S-NPP	23.31425	80.04923	14:06:07	D	3.80
61	JABALPUR	JABALPUR	S-NPP	23.31548	79.99271	12:25:50	D	3.80
62	JABALPUR	JABALPUR	S-NPP	23.32887	79.96427	12:25:50	D	4.50
63	JABALPUR	JABALPUR	S-NPP	23.33034	79.91740	12:25:50	D	2.50

64	JABALPUR	JABALPUR	S-NPP	23.33275	79.96606	14:06:07	D	3.80
65	JABALPUR	JABALPUR	S-NPP	23.33522	79.96245	12:25:50	D	4.50
66	JABALPUR	JABALPUR	S-NPP	23.33891	79.96555	14:06:07	D	3.80
67	JABALPUR	JABALPUR	S-NPP	23.33969	79.97568	14:06:07	D	9.20
68	JABALPUR	JABALPUR	S-NPP	23.36652	79.92570	12:25:50	D	6.90
69	JABALPUR	JABALPUR	S-NPP	23.36773	79.92843	12:25:50	D	5.40
70	JABALPUR	JABALPUR	AQUA	23.31300	80.04400	14:04:31	D	6.80
71	JABALPUR	JABALPUR	AQUA	23.33000	79.96600	14:04:31	D	9.60
72	JABALPUR	JABALPUR	AQUA	23.34200	79.97600	14:04:31	D	8.90
73	JABALPUR	MAJHOULI	S-NPP	23.37816	79.99935	12:25:50	D	3.80
74	JABALPUR	MAJHOULI	S-NPP	23.50842	80.01366	14:06:07	D	4.70
75	JABALPUR	MAJHOULI	S-NPP	23.54230	79.94659	12:25:50	D	14.00
76	JABALPUR	MAJHOULI	S-NPP	23.55644	79.94901	12:25:50	D	2.20
77	JABALPUR	MAJHOULI	S-NPP	23.55645	79.94876	12:25:50	D	2.30
78	JABALPUR	MAJHOULI	AQUA	23.55300	79.98900	14:04:31	D	8.00
79	JABALPUR	PATAN	S-NPP	23.18638	79.80165	12:25:50	D	7.80
80	JABALPUR	PATAN	S-NPP	23.19958	79.76942	14:06:07	D	5.90
81	JABALPUR	PATAN	S-NPP	23.20020	79.77010	14:06:07	D	5.60
82	JABALPUR	PATAN	S-NPP	23.20094	79.85834	14:06:07	D	3.50
83	JABALPUR	PATAN	S-NPP	23.20098	79.85921	14:06:07	D	2.70
84	JABALPUR	PATAN	S-NPP	23.21882	79.77343	14:06:07	D	1.90
85	JABALPUR	PATAN	S-NPP	23.24827	79.83529	14:06:07	D	4.50
86	JABALPUR	PATAN	S-NPP	23.24961	79.77573	14:06:07	D	4.30
87	JABALPUR	PATAN	S-NPP	23.25000	79.78062	14:06:07	D	4.30
88	JABALPUR	PATAN	S-NPP	23.25608	79.78011	14:06:07	D	4.30
89	JABALPUR	PATAN	S-NPP	23.25657	79.71127	14:06:07	D	3.20
90	JABALPUR	PATAN	S-NPP	23.26234	79.68818	14:06:07	D	3.70
91	JABALPUR	PATAN	S-NPP	23.26306	79.80847	12:25:50	D	2.70
92	JABALPUR	PATAN	S-NPP	23.26987	79.70702	14:06:07	D	4.10
93	JABALPUR	PATAN	S-NPP	23.27084	79.80050	14:06:07	D	4.30
94	JABALPUR	PATAN	S-NPP	23.27206	79.76154	12:25:50	D	8.70
95	JABALPUR	PATAN	S-NPP	23.27757	79.81791	14:06:07	D	5.00
96	JABALPUR	PATAN	S-NPP	23.27842	79.81974	14:06:07	D	5.70
97	JABALPUR	PATAN	S-NPP	23.27919	79.83765	14:06:07	D	3.20

98	JABALPUR	PATAN	S-NPP	23.28340	79.70425	12:25:50	D	5.70
99	JABALPUR	PATAN	S-NPP	23.28456	79.70047	12:25:50	D	8.00
100	JABALPUR	PATAN	S-NPP	23.29743	79.76180	14:06:07	D	2.60
101	JABALPUR	PATAN	S-NPP	23.30478	79.72660	12:25:50	D	4.90
102	JABALPUR	PATAN	S-NPP	23.31424	79.77178	12:25:50	D	4.50
103	JABALPUR	PATAN	S-NPP	23.31498	79.76824	12:25:50	D	3.70
104	JABALPUR	PATAN	S-NPP	23.35082	79.80354	14:06:07	D	6.20
105	JABALPUR	PATAN	AQUA	23.20000	79.86000	14:04:31	D	11.40
106	JABALPUR	PATAN	AQUA	23.20700	79.71800	14:04:31	D	13.60
107	JABALPUR	PATAN	AQUA	23.21300	79.81900	14:04:31	D	16.60
108	JABALPUR	PATAN	AQUA	23.24600	79.76900	14:04:31	D	13.20
109	JABALPUR	PATAN	AQUA	23.24700	79.83200	14:04:31	D	10.00
110	JABALPUR	PATAN	AQUA	23.24700	79.83800	14:04:31	D	7.20
111	JABALPUR	PATAN	AQUA	23.24800	79.78100	14:04:31	D	22.60
112	JABALPUR	PATAN	AQUA	23.27400	79.81400	14:04:31	D	7.90
113	JABALPUR	PATAN	AQUA	23.33700	79.82700	14:04:31	D	8.10
114	JABALPUR	SAHPURA	S-NPP	23.16067	79.81709	14:06:07	D	5.90
115	JABALPUR	SAHPURA	S-NPP	23.17528	79.77148	14:06:07	D	5.40
116	JABALPUR	SAHPURA	S-NPP	23.17569	79.77637	14:06:07	D	5.40
117	JABALPUR	SAHPURA	S-NPP	23.17590	79.77225	14:06:07	D	6.40
118	JABALPUR	SAHPURA	S-NPP	23.17628	79.77715	14:06:07	D	6.40
119	JABALPUR	SAHPURA	S-NPP	23.19012	79.65816	14:06:07	D	2.50
120	JABALPUR	SAHPURA	S-NPP	23.19146	79.65862	14:06:07	D	2.30
121	JABALPUR	SAHPURA	S-NPP	23.19161	79.71068	12:25:50	D	2.80
122	JABALPUR	SAHPURA	S-NPP	23.19392	79.77483	14:06:07	D	5.90
123	JABALPUR	SAHPURA	S-NPP	23.19451	79.77554	14:06:07	D	5.50
124	JABALPUR	SAHPURA	S-NPP	23.20177	79.75610	12:25:50	D	4.30
125	JABALPUR	SAHPURA	S-NPP	23.20335	79.75861	12:25:50	D	4.20
126	JABALPUR	SAHPURA	AQUA	23.17500	79.77600	14:04:31	D	19.20
127	JABALPUR	SAHPURA	AQUA	23.19500	79.77200	14:04:31	D	22.60
128	JABALPUR	SIHORA	S-NPP	23.37290	80.11652	12:25:50	D	2.40
129	JABALPUR	SIHORA	S-NPP	23.41219	80.21753	14:06:07	D	3.30
130	JABALPUR	SIHORA	S-NPP	23.43682	80.21029	14:06:07	D	12.80
131	JABALPUR	SIHORA	S-NPP	23.43720	80.21554	14:06:07	D	9.60

132	JABALPUR	SIHORA	S-NPP	23.43950	80.21120	14:06:07	D	13.60
133	JABALPUR	SIHORA	S-NPP	23.43982	80.19881	12:25:50	D	4.30
134	JABALPUR	SIHORA	S-NPP	23.45147	80.18639	12:25:50	D	6.60
135	JABALPUR	SIHORA	S-NPP	23.45163	80.15635	14:06:07	D	11.00
136	JABALPUR	SIHORA	S-NPP	23.45637	80.17905	12:25:50	D	6.60
137	JABALPUR	SIHORA	S-NPP	23.45773	80.18462	12:25:50	D	6.60
138	JABALPUR	SIHORA	AQUA	23.43400	80.20700	14:04:31	D	29.90
139	JABALPUR	SIHORA	AQUA	23.43600	80.21900	14:04:31	D	10.60
140	JABALPUR	SIHORA	AQUA	23.44500	80.15700	14:04:31	D	15.30
141	JABALPUR	SIHORA	AQUA	23.47400	80.09000	14:04:31	D	6.60
142	JABALPUR	SIHORA	AQUA	23.48500	80.08300	14:04:31	D	9.80
143	KATNI	BAHURIBAND	S-NPP	23.65467	80.07200	12:25:50	D	6.40
144	KATNI	BAHURIBAND	S-NPP	23.72971	80.23270	14:06:07	D	2.40
145	KATNI	BAHURIBAND	AQUA	23.65600	80.06600	14:04:31	D	6.10
146	MANDLA	BACHHIYA	S-NPP	22.48603	80.41546	14:06:07	D	3.50
147	MANDLA	BACHHIYA	S-NPP	22.48835	80.41541	14:06:07	D	4.50
148	MANDLA	BACHHIYA	S-NPP	22.49230	80.41489	14:06:07	D	5.80
149	MANDLA	BACHHIYA	AQUA	22.48700	80.41300	14:04:31	D	15.80
150	MANDLA	MANDLA	S-NPP	22.55626	80.42555	14:06:07	D	8.20
151	NARSHIMAPURA	GADARWARA	S-NPP	22.97467	78.86855	14:06:07	D	2.30
152	NARSHIMAPURA	GOTECAON	S-NPP	23.03623	79.51299	14:06:07	D	3.90
153	NARSHIMAPURA	GOTECAON	S-NPP	23.03928	79.51396	14:06:07	D	3.00
154	NARSHIMAPURA	GOTECAON	S-NPP	23.07733	79.46354	14:06:07	D	7.10
155	NARSHIMAPURA	GOTECAON	AQUA	23.03600	79.51000	14:04:31	D	12.10
156	NARSHIMAPURA	GOTECAON	AQUA	23.07000	79.46300	14:04:31	D	11.50
157	NARSHIMAPURA	NARSIMHAPUR	S-NPP	23.03454	79.15637	14:06:07	D	5.20
158	NARSHIMAPURA	NARSIMHAPUR	S-NPP	23.03506	79.15566	14:06:07	D	5.50
159	PANNA	PAWAI	AQUA	24.28000	80.22200	14:04:31	D	5.90
160	RAISEN	BARELI	S-NPP	22.87107	78.02998	14:06:07	D	3.70
161	RAISEN	BARELI	S-NPP	22.90104	78.05704	14:06:07	D	2.30
162	RAISEN	BARELI	S-NPP	22.90245	78.25247	14:06:07	D	2.40
163	RAISEN	BARELI	S-NPP	22.90383	78.08704	14:06:07	D	2.60
164	RAISEN	BARELI	S-NPP	22.94925	78.08938	14:06:07	D	1.50
165	RAISEN	BARELI	S-NPP	22.95501	78.01482	01:15:08	N	0.50

166	RAISEN	BARELI	S-NPP	22.96157	78.04254	14:06:07	D	5.30
167	RAISEN	BARELI	S-NPP	22.97997	78.12727	01:15:08	N	0.50
168	RAISEN	BARELI	S-NPP	22.98026	78.12643	01:15:08	N	0.60
169	RAISEN	BARELI	S-NPP	23.08649	78.32687	14:06:07	D	4.60
170	RAISEN	BARELI	AQUA	22.96100	78.04200	14:04:31	D	13.60
171	RAISEN	BARELI	AQUA	23.08100	78.32700	14:04:31	D	8.60
172	RAISEN	GOHARGANJ	S-NPP	23.04107	77.64208	14:06:07	D	2.50
173	RAISEN	GOHARGANJ	S-NPP	23.04600	77.69521	14:06:07	D	1.50
174	RAISEN	RAISEN	S-NPP	23.19134	77.97612	01:15:08	N	0.60
175	REWA	HUZUR	S-NPP	24.44962	81.27779	12:25:50	D	2.90
176	REWA	RAJPUR KUCHULIYAN	AQUA	24.61500	81.43700	14:04:31	D	7.40
177	REWA	TEONTHAR	S-NPP	24.96926	81.78408	12:25:50	D	2.40
178	REWA	TEONTHAR	AQUA	24.95800	81.78900	14:04:31	D	4.30
179	REWA	TEONTHAR	AQUA	24.96700	81.61400	14:04:31	D	5.00
180	SATNA	AMARPATAN	AQUA	24.35500	81.07600	14:04:31	D	5.80
181	SATNA	NAGOD	S-NPP	24.47539	80.56555	12:25:50	D	4.30
182	SATNA	NAGOD	S-NPP	24.47576	80.56863	12:25:50	D	5.50
183	SATNA	NAGOD	S-NPP	24.50445	80.53497	14:06:07	D	4.60
184	SATNA	RAMPURBAGHLEAN	S-NPP	24.44588	80.97672	12:25:50	D	1.70
185	SATNA	RAMPURBAGHLEAN	S-NPP	24.52067	80.99194	12:25:50	D	9.90
186	SATNA	RAMPURBAGHLEAN	S-NPP	24.64107	81.02492	14:06:07	D	7.40
187	SATNA	RAMPURBAGHLEAN	S-NPP	24.64283	81.02062	14:06:07	D	8.30
188	SATNA	RAMPURBAGHLEAN	S-NPP	24.65672	81.04984	12:25:50	D	3.20
189	SATNA	RAMPURBAGHLEAN	AQUA	24.40400	80.86500	14:04:31	D	7.30
190	SATNA	RAMPURBAGHLEAN	AQUA	24.53600	81.05000	14:04:31	D	6.40
191	SATNA	RAMPURBAGHLEAN	AQUA	24.64100	81.01300	14:04:31	D	8.80
192	SATNA	RAMPURBAGHLEAN	AQUA	24.64300	81.02400	14:04:31	D	32.30
193	SATNA	RAMPURBAGHLEAN	AQUA	24.64900	81.00500	14:04:31	D	5.50
194	SATNA	RAMPURBAGHLEAN	AQUA	24.65800	81.00300	14:04:31	D	5.60
195	SATNA	RAMPURBAGHLEAN	AQUA	24.73900	81.04100	14:04:31	D	4.30
196	SATNA	UCHAHAR	S-NPP	24.40658	80.83892	12:25:50	D	2.30
197	SATNA	UCHAHAR	AQUA	24.48200	80.76700	14:04:31	D	5.50
198	SEHORE	BUDHNI	S-NPP	22.88477	77.88364	14:06:07	D	2.50
199	SEHORE	BUDHNI	S-NPP	22.91352	77.87253	14:06:07	D	2.70

200	SEHORE	BUDHNI	S-NPP	22.91639	77.87306	14:06:07	D	2.80
201	SEONI	BARGHAT	S-NPP	22.03507	79.73454	14:06:07	D	2.60
202	SEONI	KURAI	S-NPP	21.93279	79.52423	14:06:07	D	2.40
203	SHIVPURI	NARWAR	S-NPP	25.57722	78.16332	14:06:07	D	1.70
204	SHIVPURI	NARWAR	S-NPP	25.58165	78.11138	14:06:07	D	3.40
205	SHIVPURI	NARWAR	S-NPP	25.59509	78.24635	14:06:07	D	3.70
206	SHIVPURI	NARWAR	S-NPP	25.60380	78.21169	14:06:07	D	3.10
207	SHIVPURI	NARWAR	S-NPP	25.62116	78.28664	14:06:07	D	3.20
208	SHIVPURI	NARWAR	S-NPP	25.68213	78.12460	14:06:07	D	5.50
209	SHIVPURI	NARWAR	S-NPP	25.68528	78.12472	14:06:07	D	5.70
210	SHIVPURI	NARWAR	S-NPP	25.68580	78.20489	14:06:07	D	3.20
211	SHIVPURI	NARWAR	AQUA	25.57400	78.09600	14:04:31	D	7.60
212	SHIVPURI	NARWAR	AQUA	25.57600	78.11000	14:04:31	D	8.20
213	SHIVPURI	NARWAR	AQUA	25.58900	78.24100	14:04:31	D	10.00
214	SHIVPURI	NARWAR	AQUA	25.63300	78.24600	14:04:31	D	8.40
215	SHIVPURI	NARWAR	AQUA	25.68300	78.12500	14:04:31	D	8.80
216	SHIVPURI	NARWAR	AQUA	25.71300	78.02200	14:04:31	D	8.80
217	UMARIA	BANDHOGARH	AQUA	23.66600	80.70300	14:04:31	D	4.90
218	VIDESHA	BASODA	S-NPP	23.95963	78.03067	14:06:07	D	3.80
219	VIDESHA	NATERAN	S-NPP	23.95629	77.72836	14:06:07	D	5.60
220	VIDESHA	VIDESHA	S-NPP	23.42731	77.97772	14:06:07	D	2.40

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

S. No.	Satellite Name	Sensor	Resolution (meter)	Day / Night Passes
1.	Suomi NPP	VIIRS	375	Both
2.	JPSS-1 (NOAA-20)	VIIRS	375	Both
3.	JPSS-2 (NOAA-21)	VIIRS	375	Both
4.	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: <http://geoportal.icar.gov.in:8080/geoexplorer/composer/>
(Part of KRISHI Portal: <https://krishi.icar.gov.in> initiative)

The DASHBOARD for paddy residue burning events is available at weblink: [CREAMS Fire Dashboard](#)
