

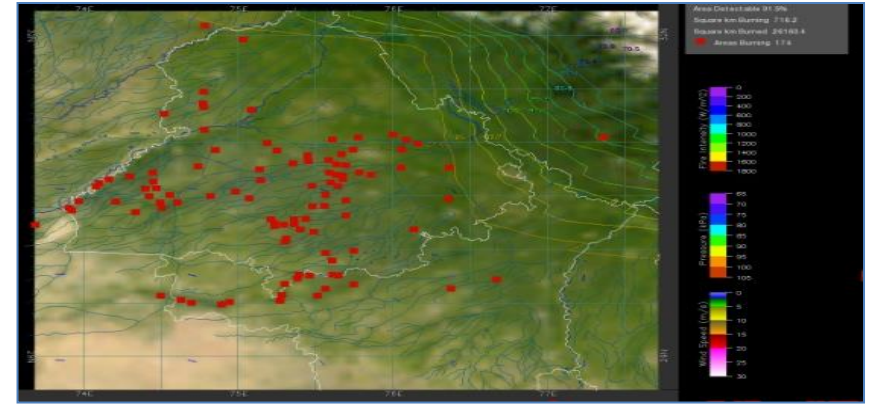
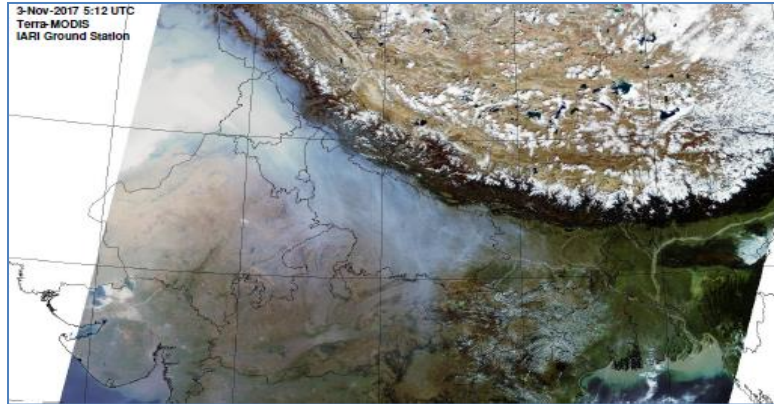


MONITORING PADDY RESIDUE BURNING IN INDIA USING SATELLITE REMOTE SENSING DURING 2024

**Bulletin
No. 75**

**Events Date:
28-Nov-2024**

**Issued on:
28-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

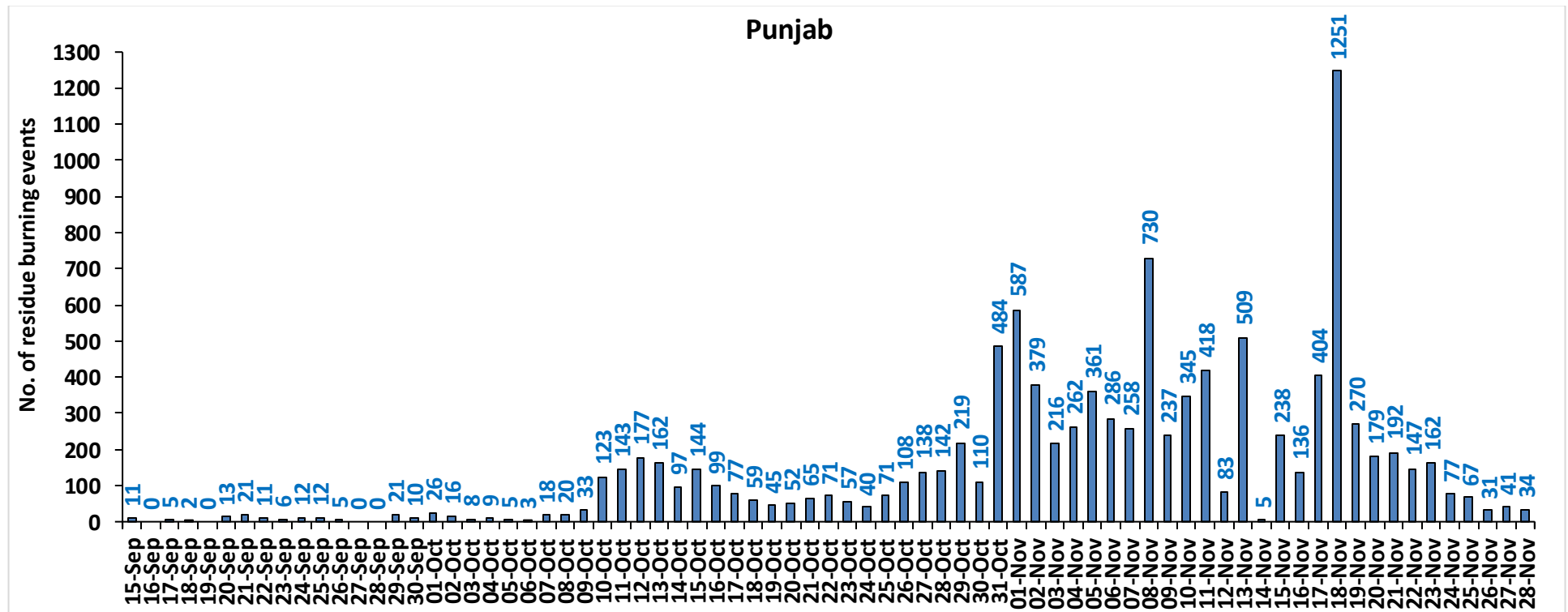
<https://creams.iari.res.in>



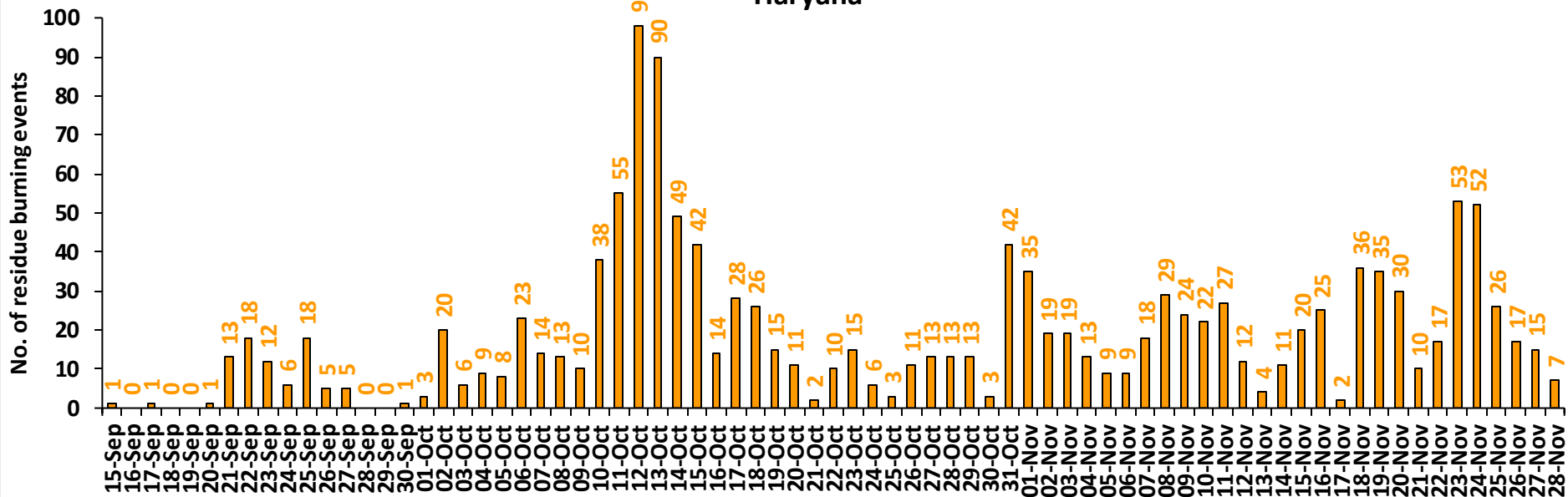
Highlights for 28-Nov-2024

- The active fire events due to rice residue burning were monitored using satellite remote sensing, following the "Standard Protocol " recommended by CAQM.
- Satellites detected **446** residue burning events in the six study States on **28-Nov-2024**.
- The state wise events detected on **28-Nov-2024** were **34** in Punjab, **07** in Haryana, **103** in UP, **00** in Delhi, **20** in Rajasthan and **282** in MP.
- Total **36317** burning events were detected in the six states between **15-Sept-2024** and **28-Nov-2024**, which are distributed as **10855**, **1380**, **5554**, **12**, **2753** and **15763** in Punjab, Haryana, UP, Delhi, Rajasthan and MP, respectively.

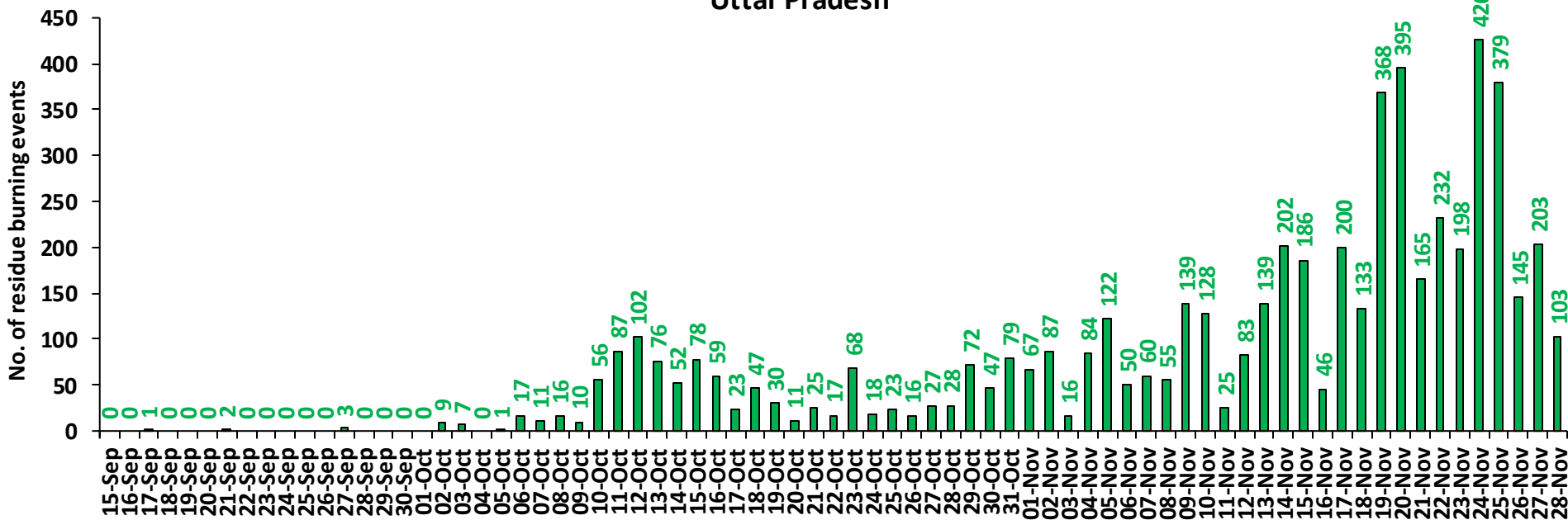
Temporal distribution of rice residue burning events for the study States in 2024



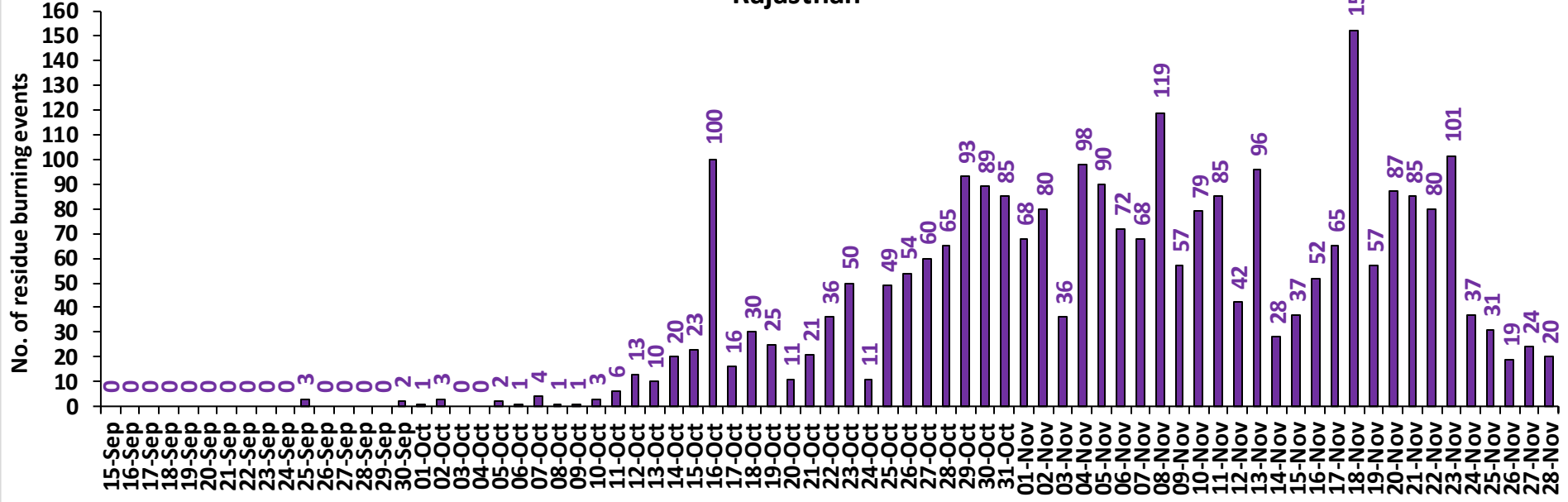
Haryana



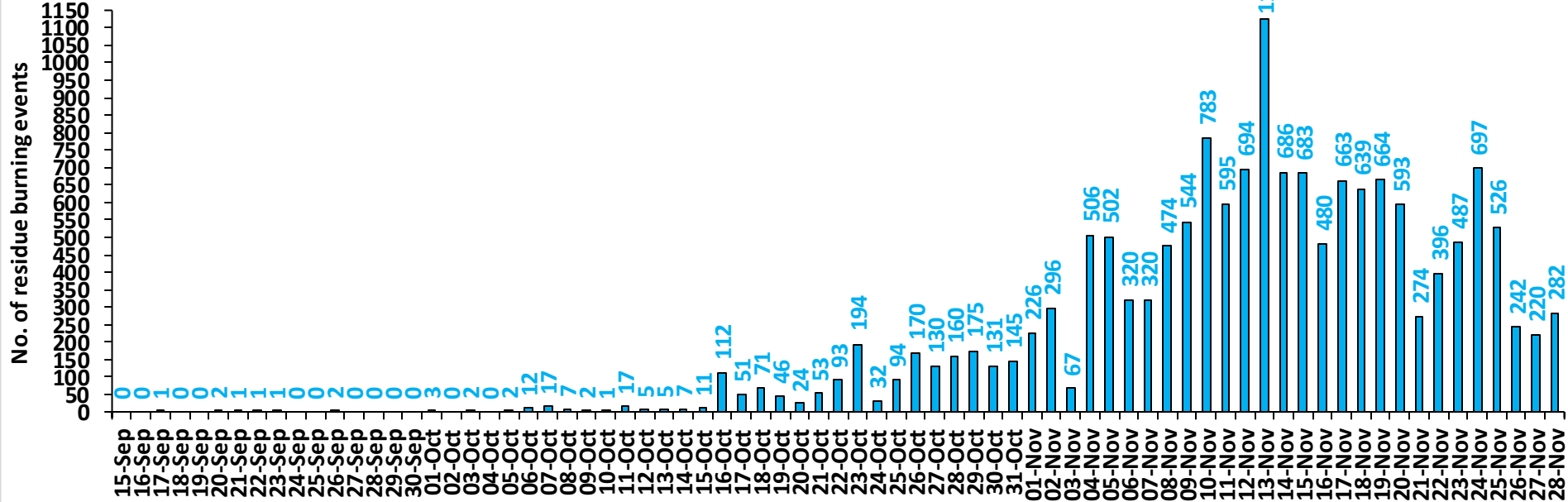
Uttar Pradesh



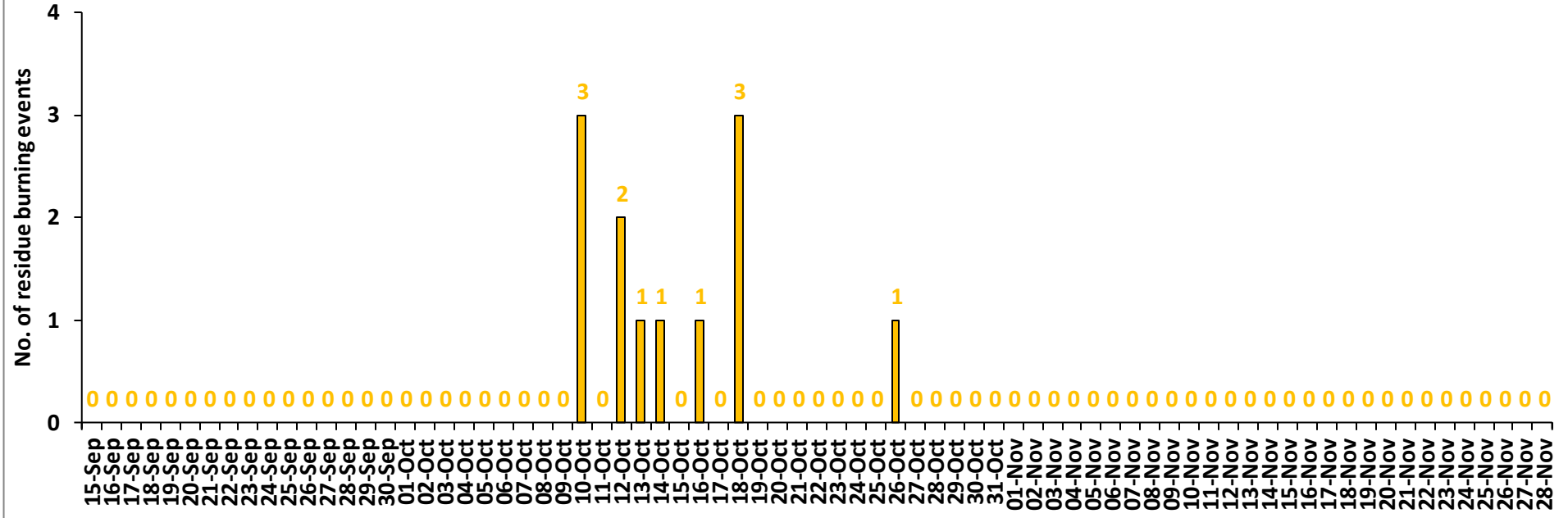
Rajasthan



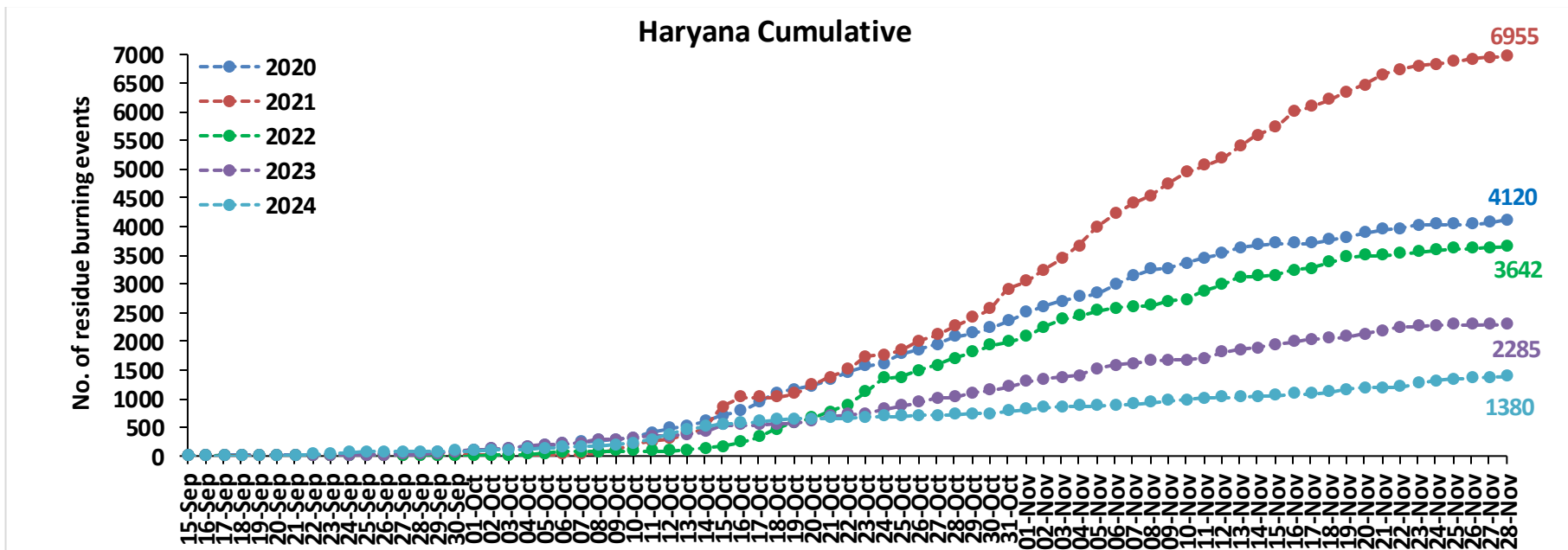
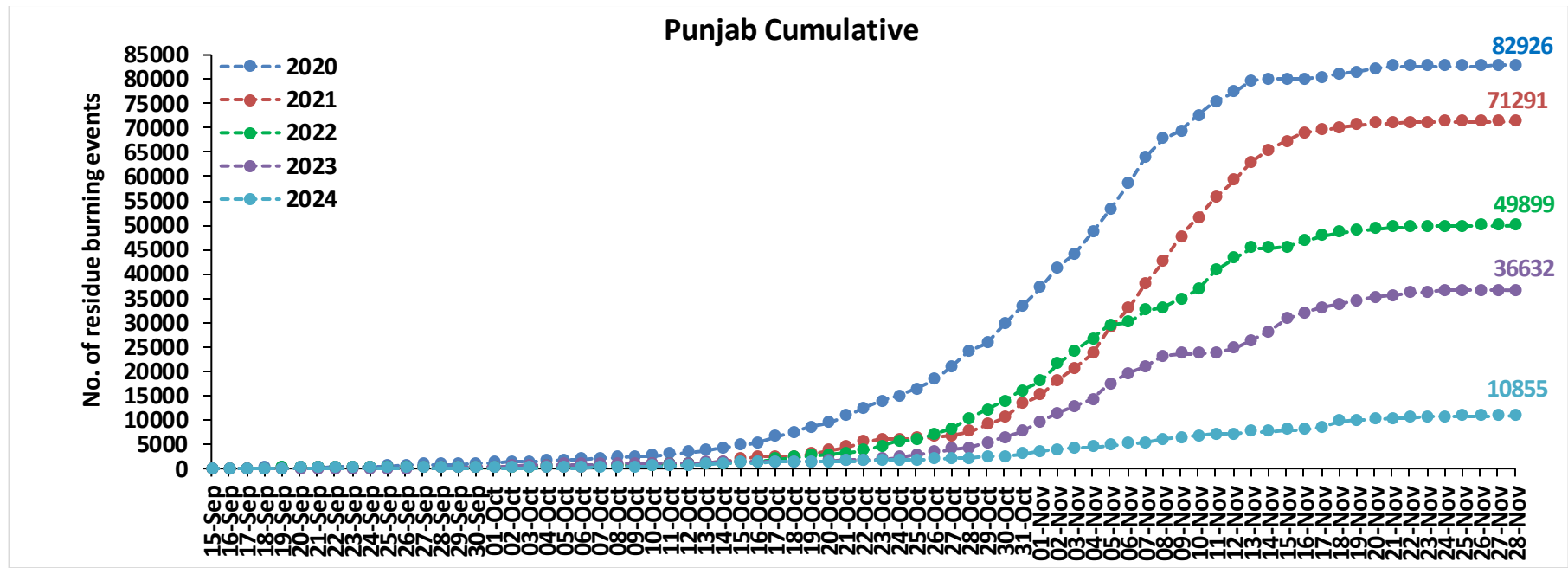
Madhya Pradesh



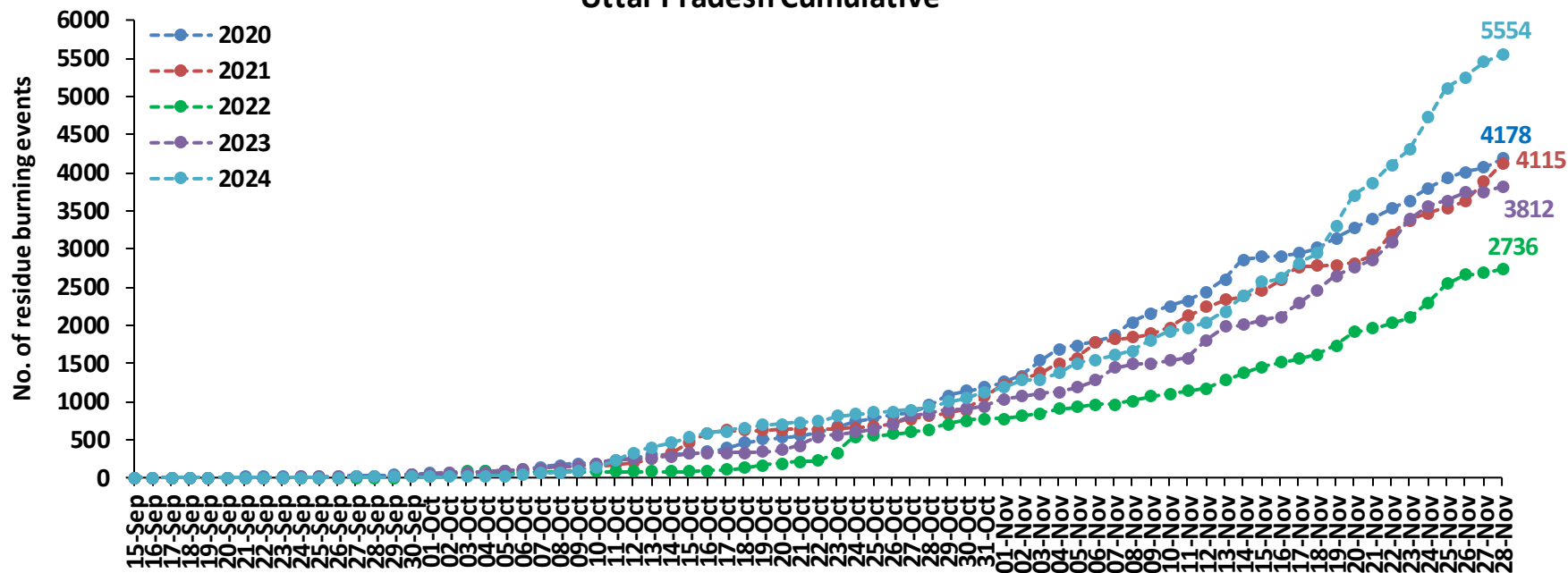
Delhi



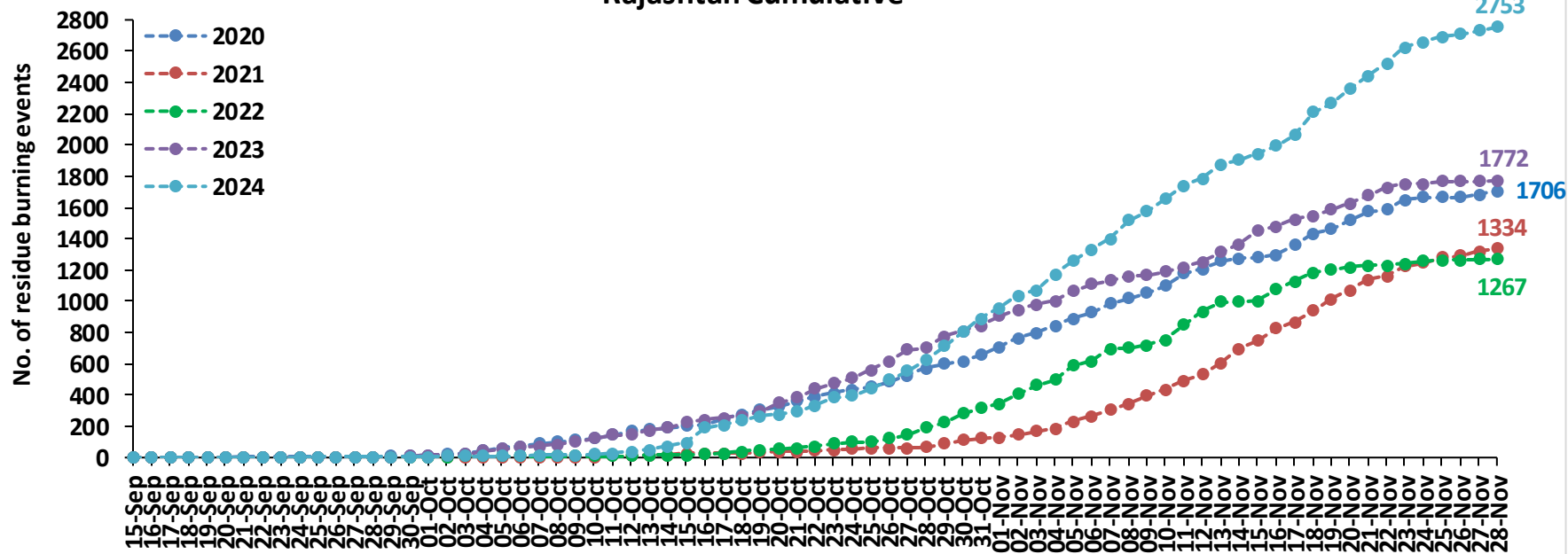
Comparison of residue burning events in current year (2024) with previous years (2020, 2021, 2022 and 2023) for the study States



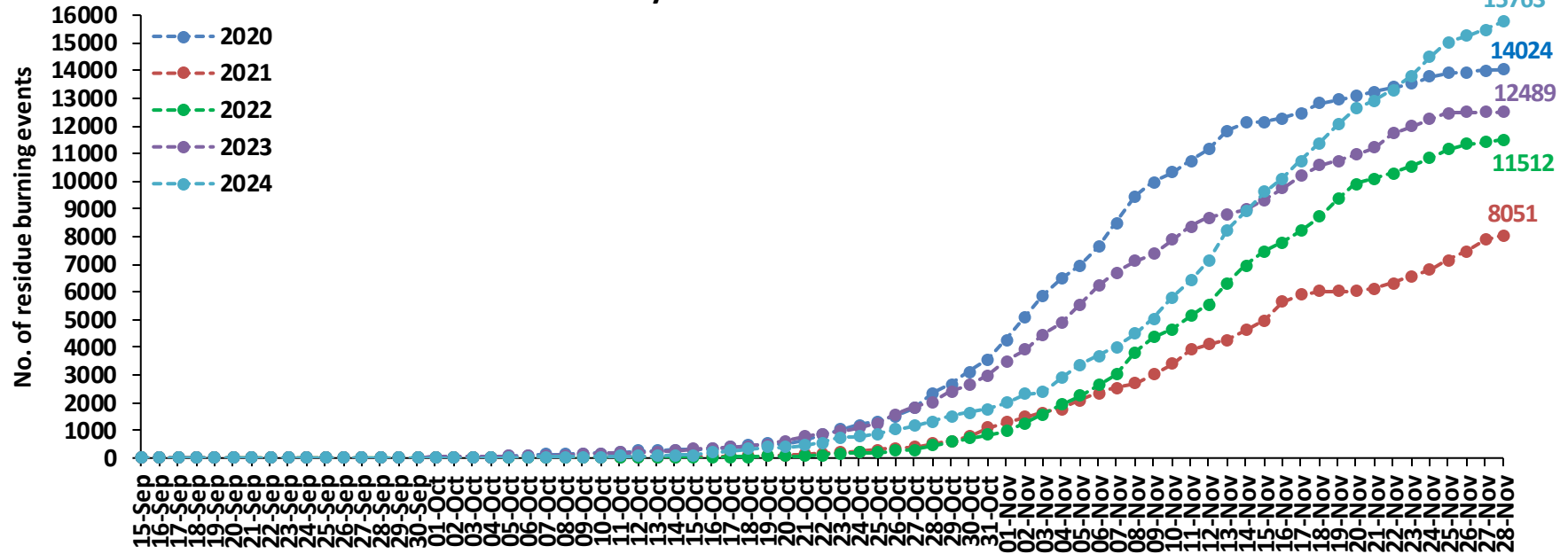
Uttar Pradesh Cumulative



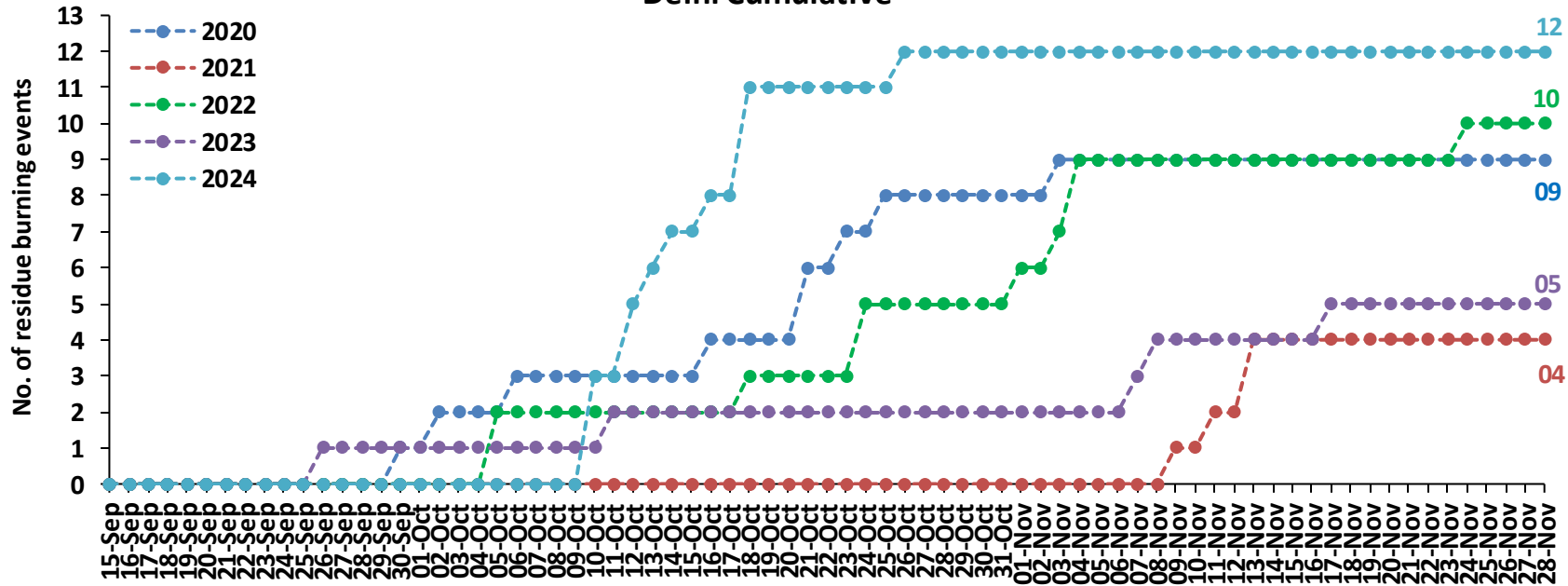
Rajasthan Cumulative



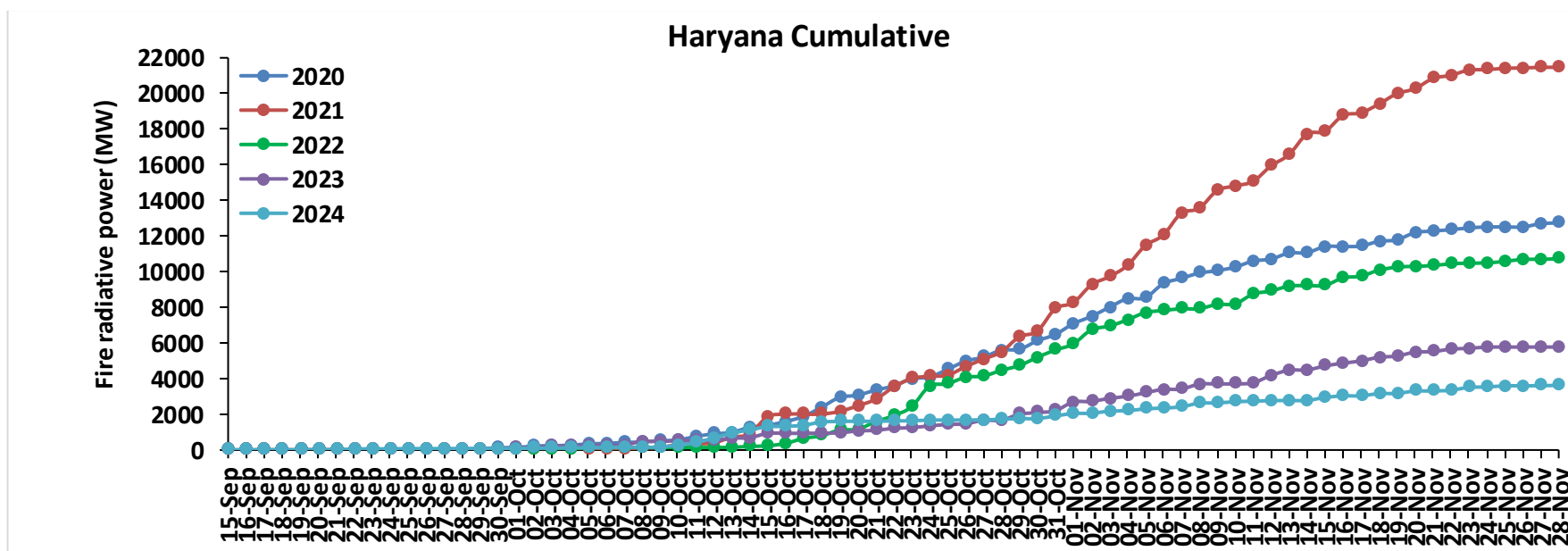
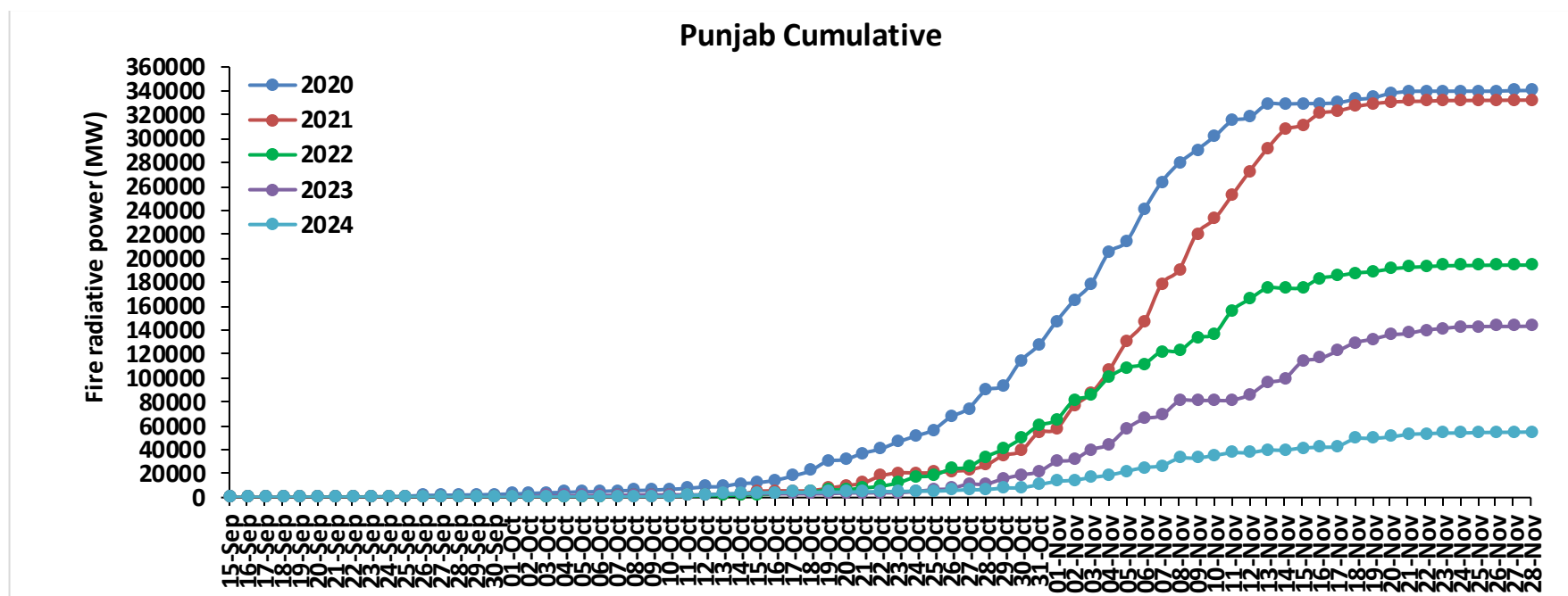
Madhya Pradesh Cumulative



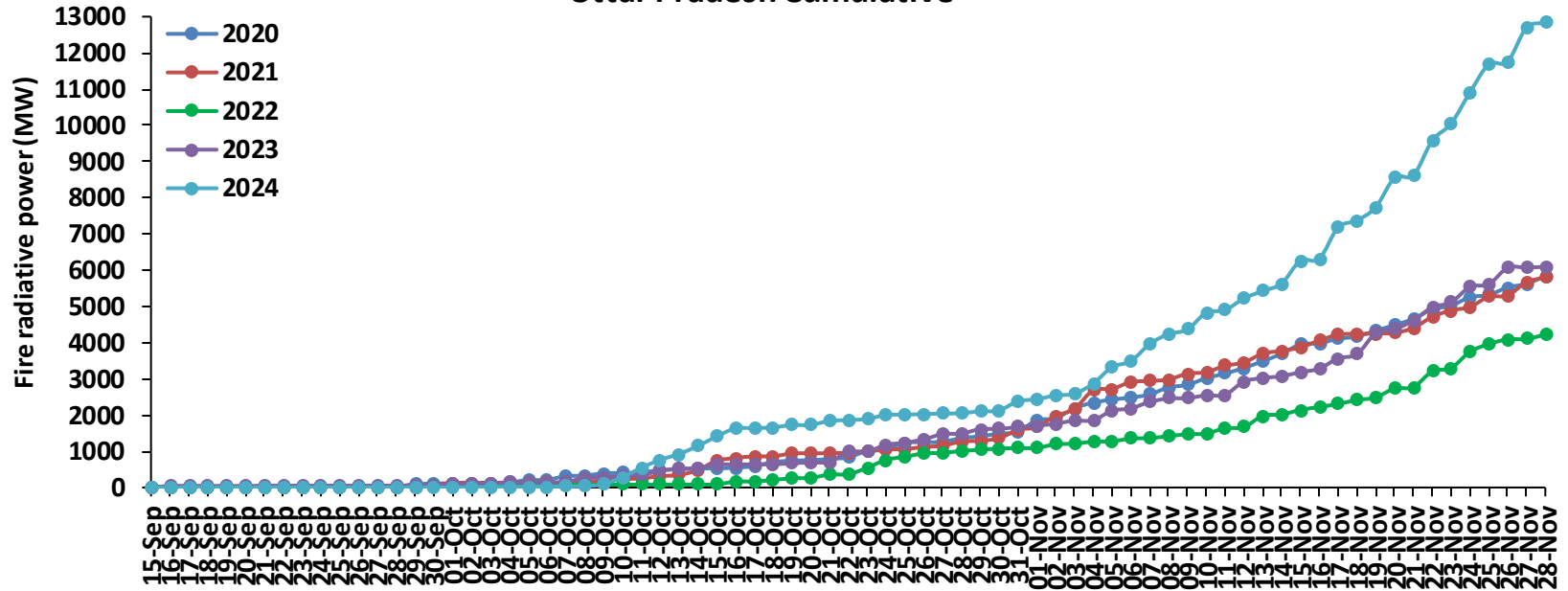
Delhi Cumulative



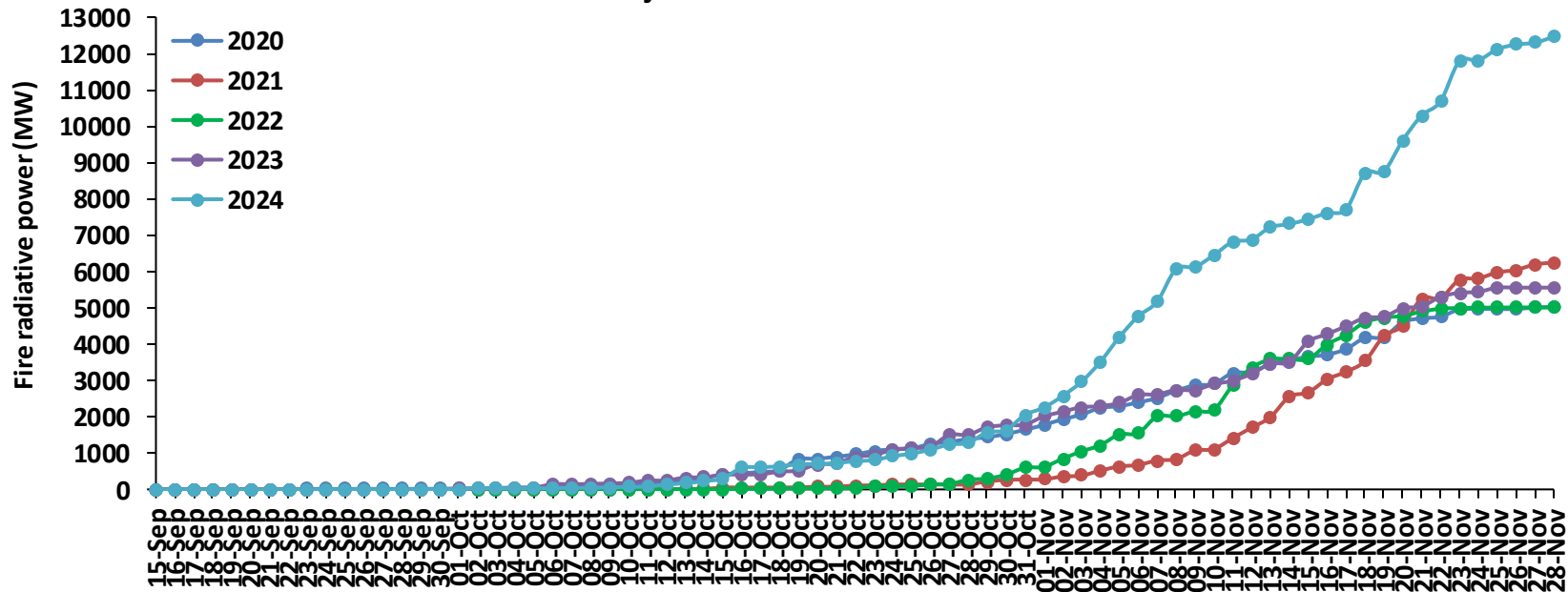
Comparison of residue burning fire power in current year (2024) with previous years (2020,2021,2022 and 2023) for the study States



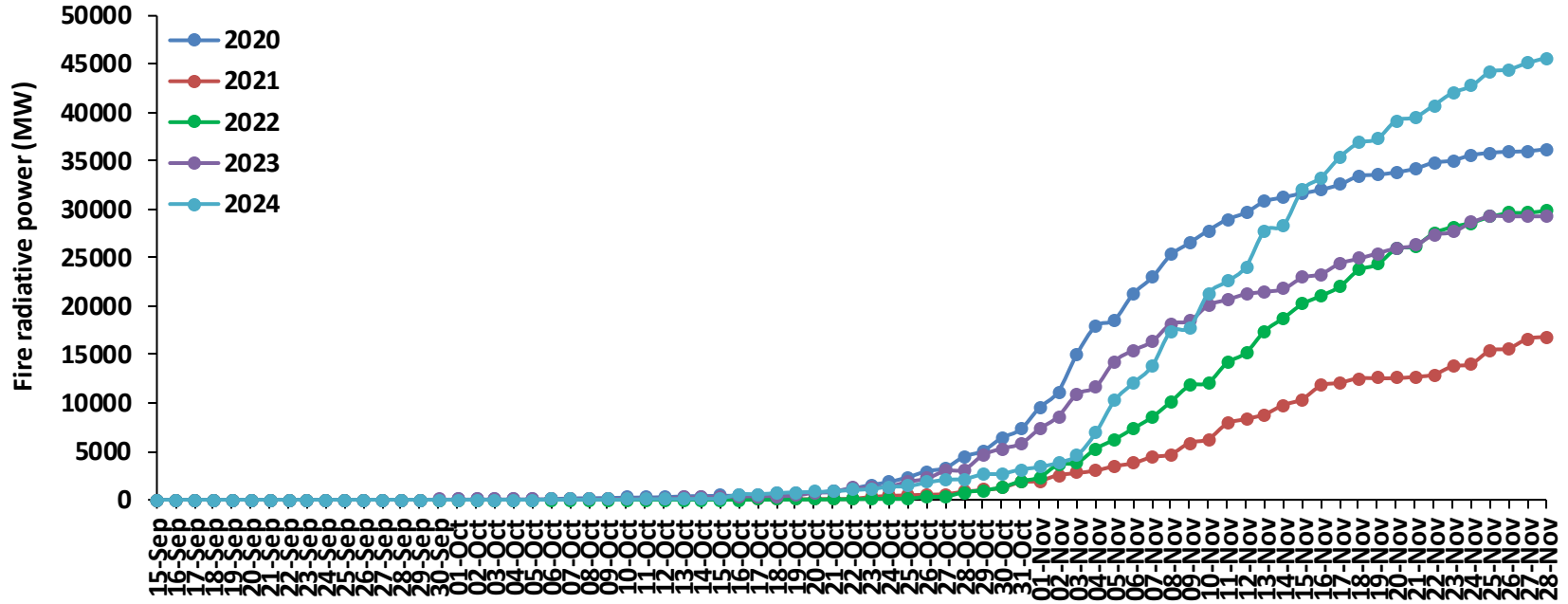
Uttar Pradesh Cumulative



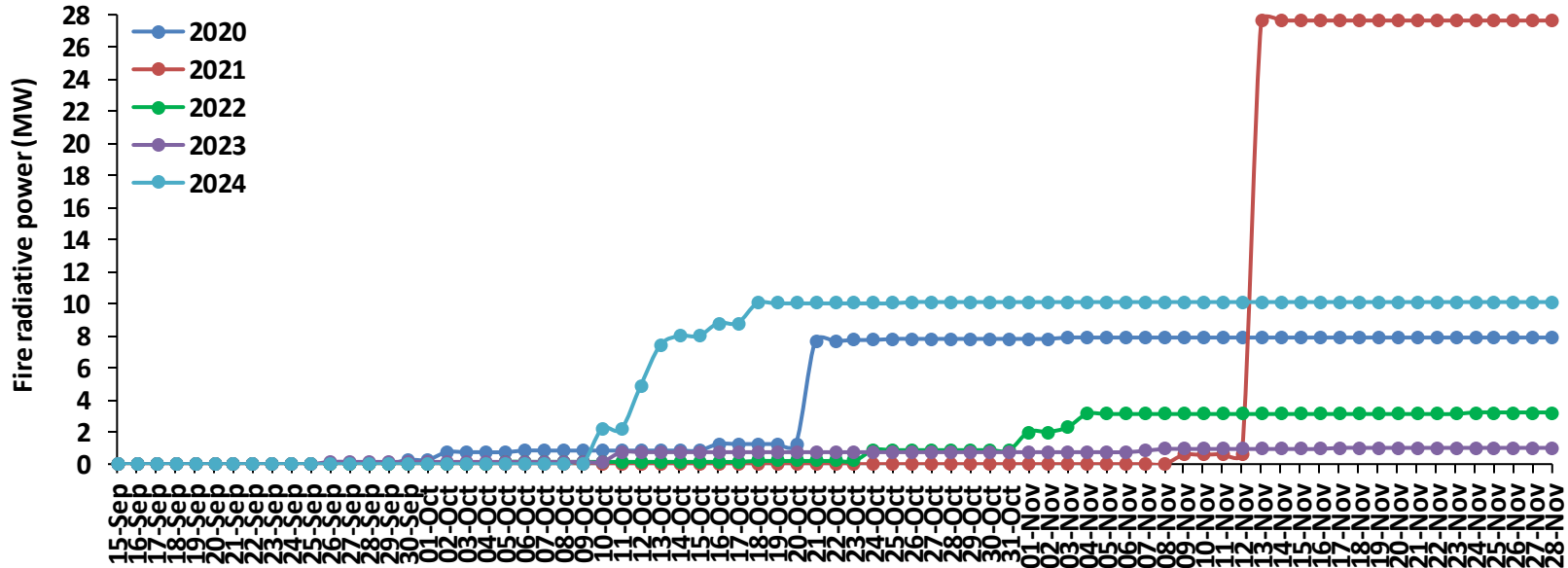
Rajasthan Cumulative



Madhya Pradesh Cumulative

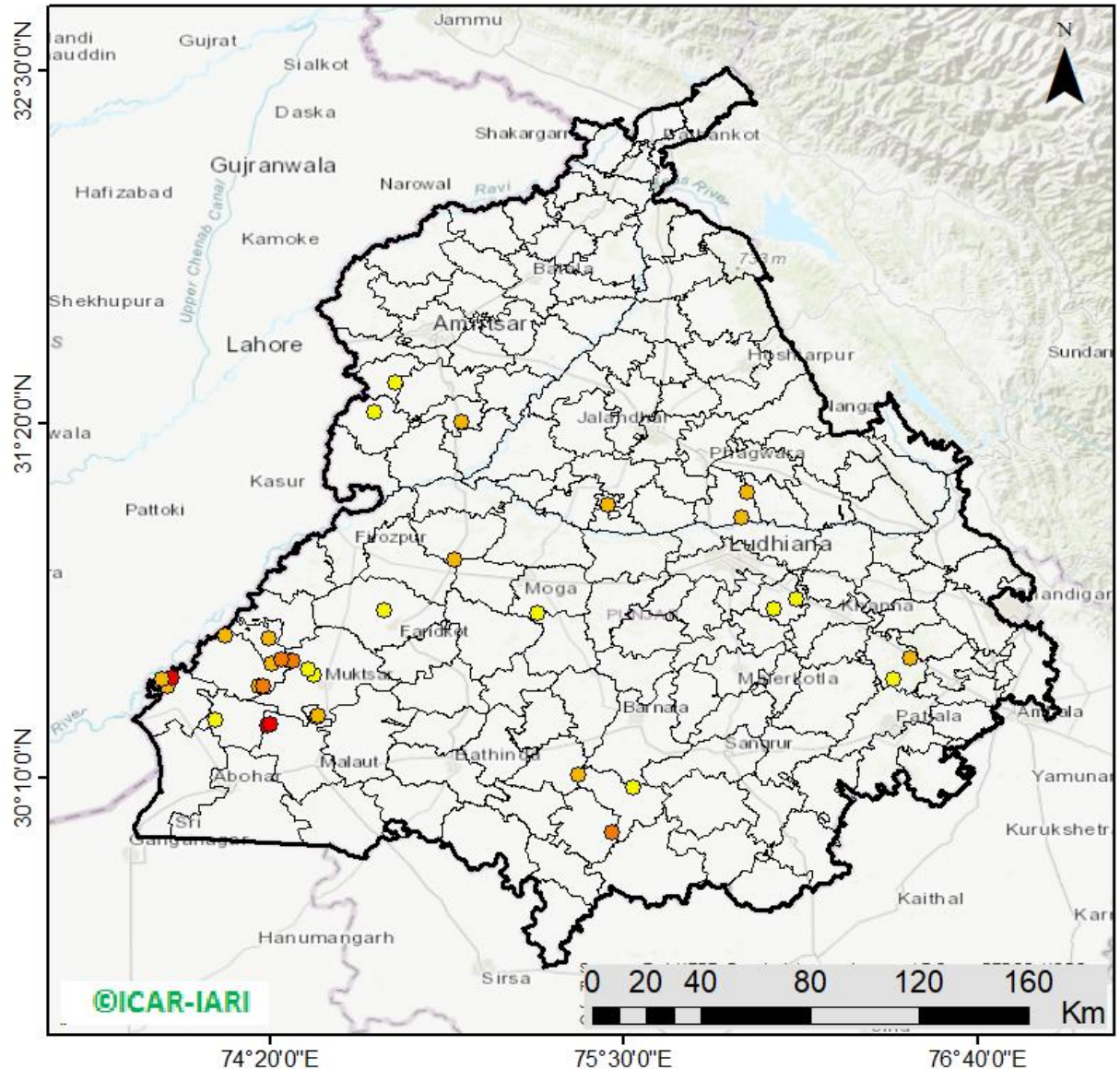


Delhi Cumulative



Punjab

RICE RESIDUE BURNING IN PUNJAB



34 burning events
detected in Punjab during
(28th Nov 2024)

Fire Intensity (W/m²)

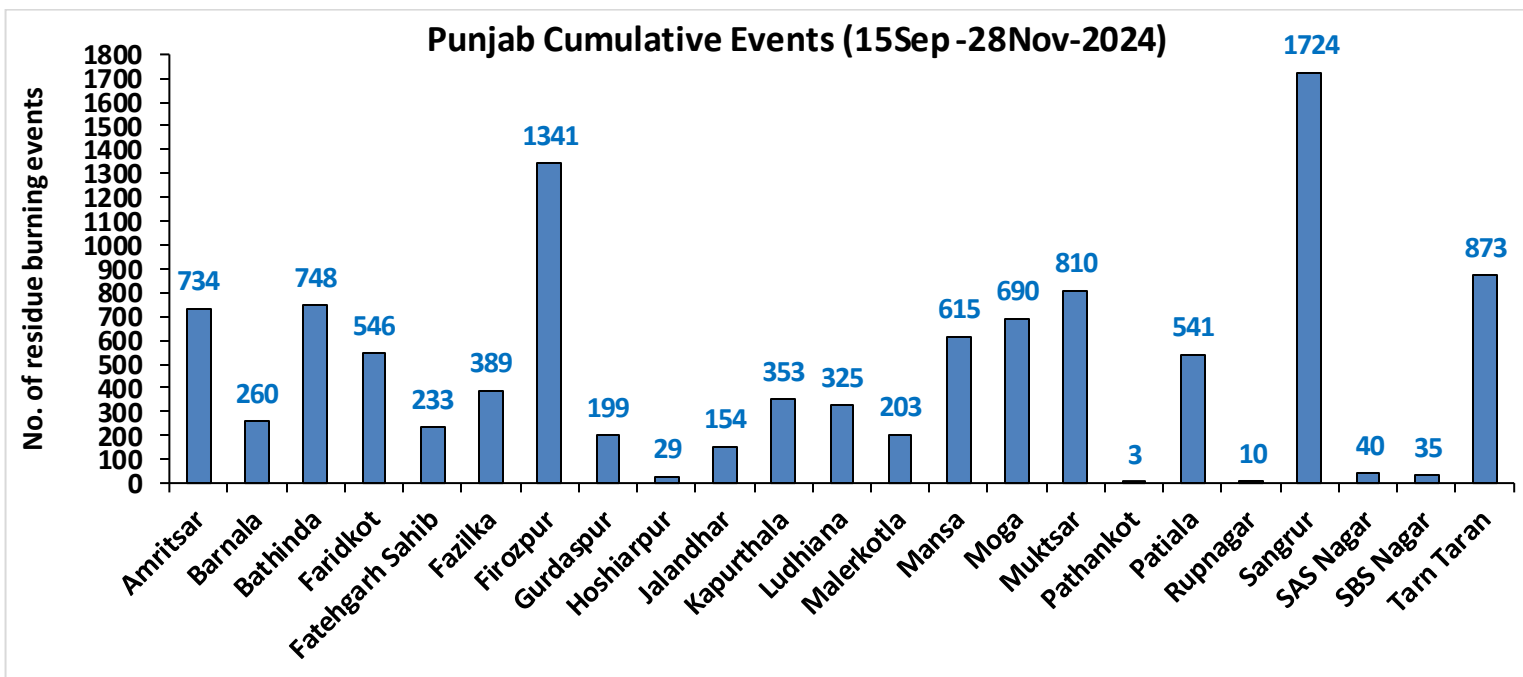
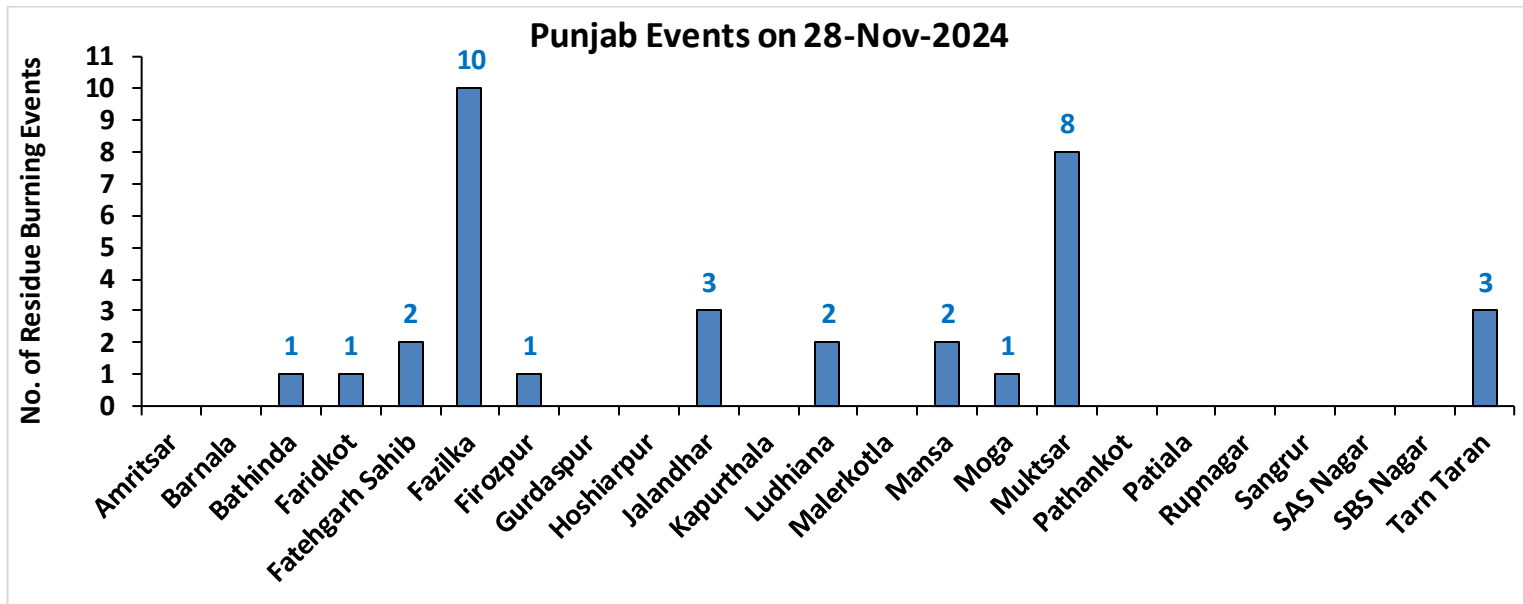
- 0 - 5
- 6 - 10
- 11 - 15
- 16 - 20
- >20



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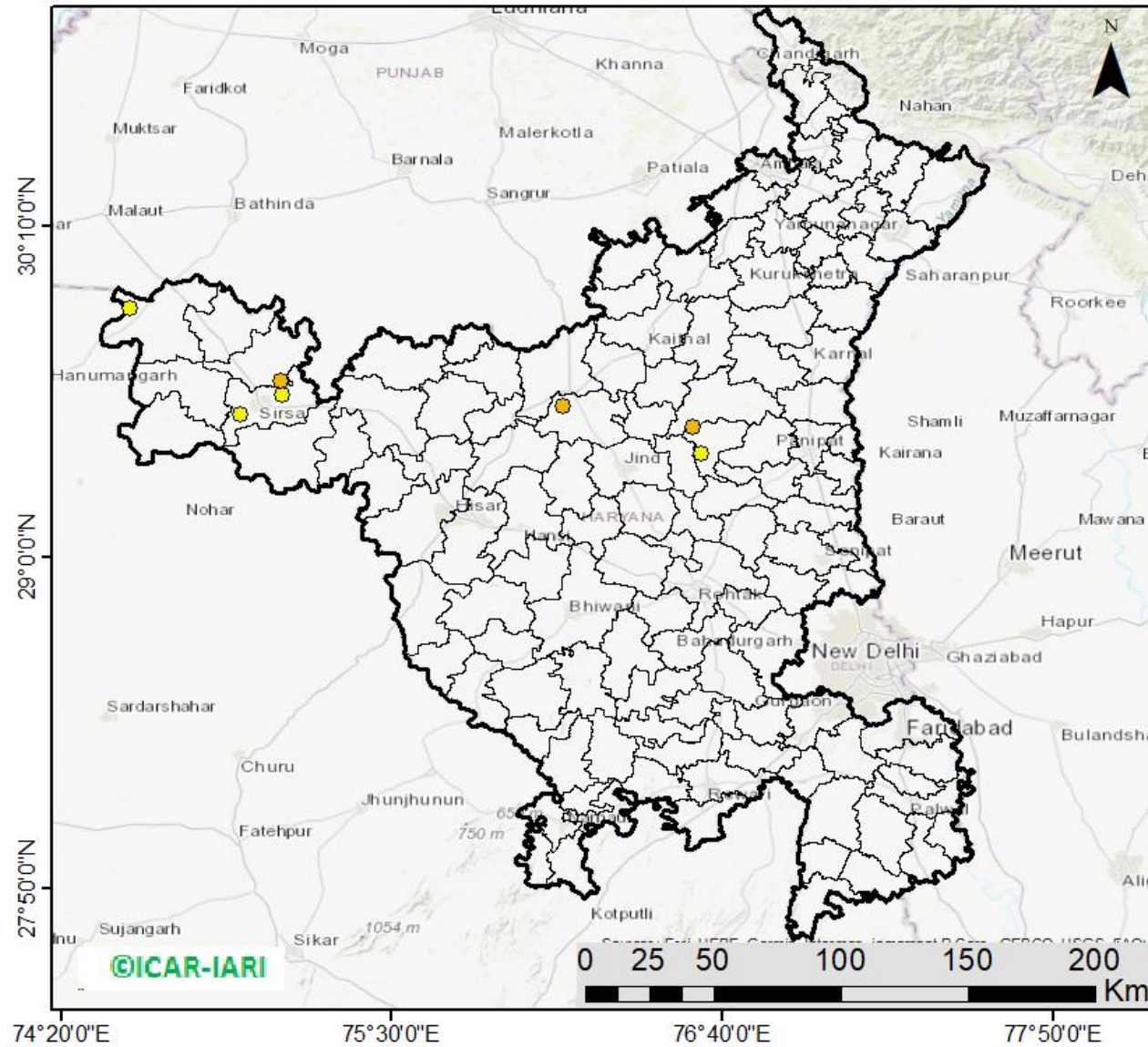
http://103.111.37.126/icar_geoportal/

District-wise cumulative number of residues burning events in Punjab (15Sep-28Nov-2024)



Haryana

RICE RESIDUE BURNING IN HARYANA



07 burning events
detected in Haryana on
(28th Nov 2024)

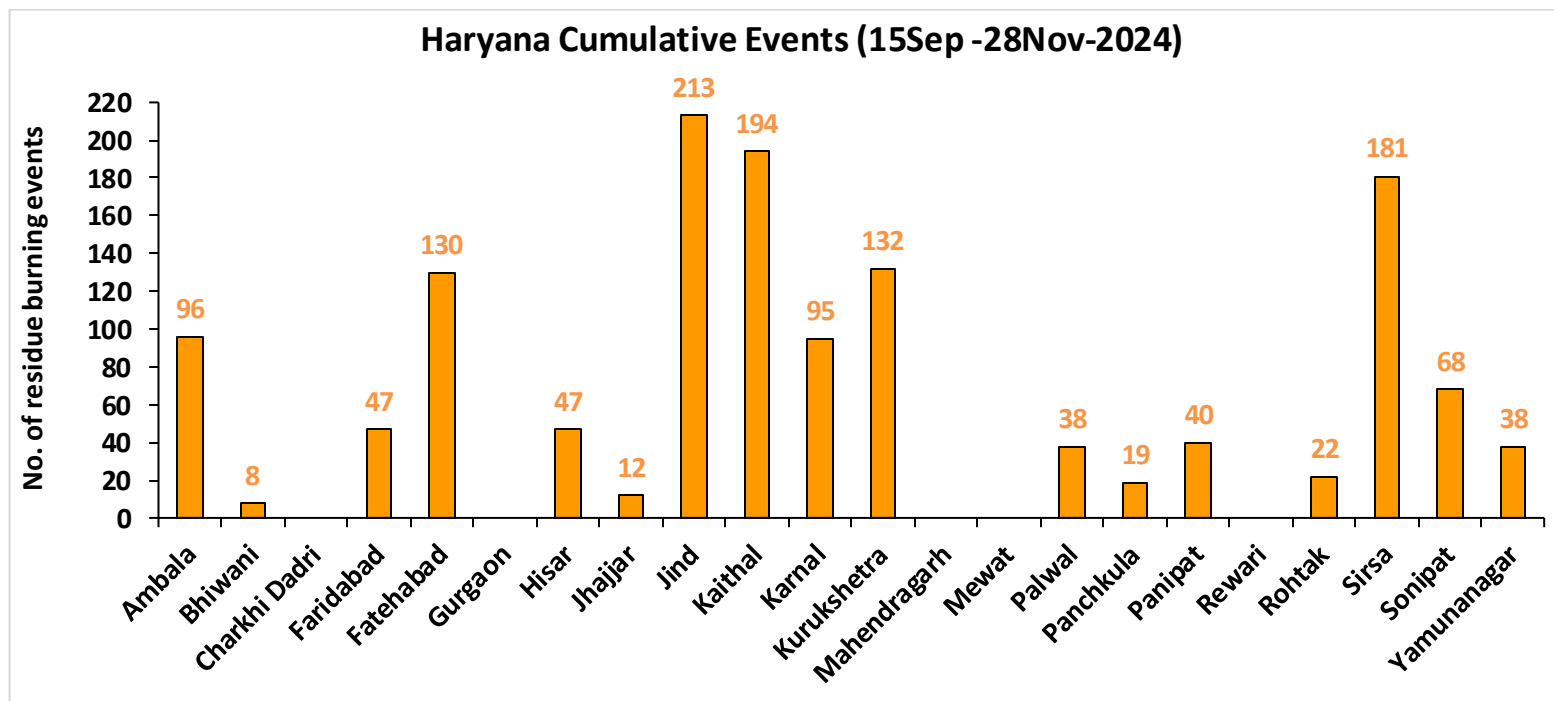
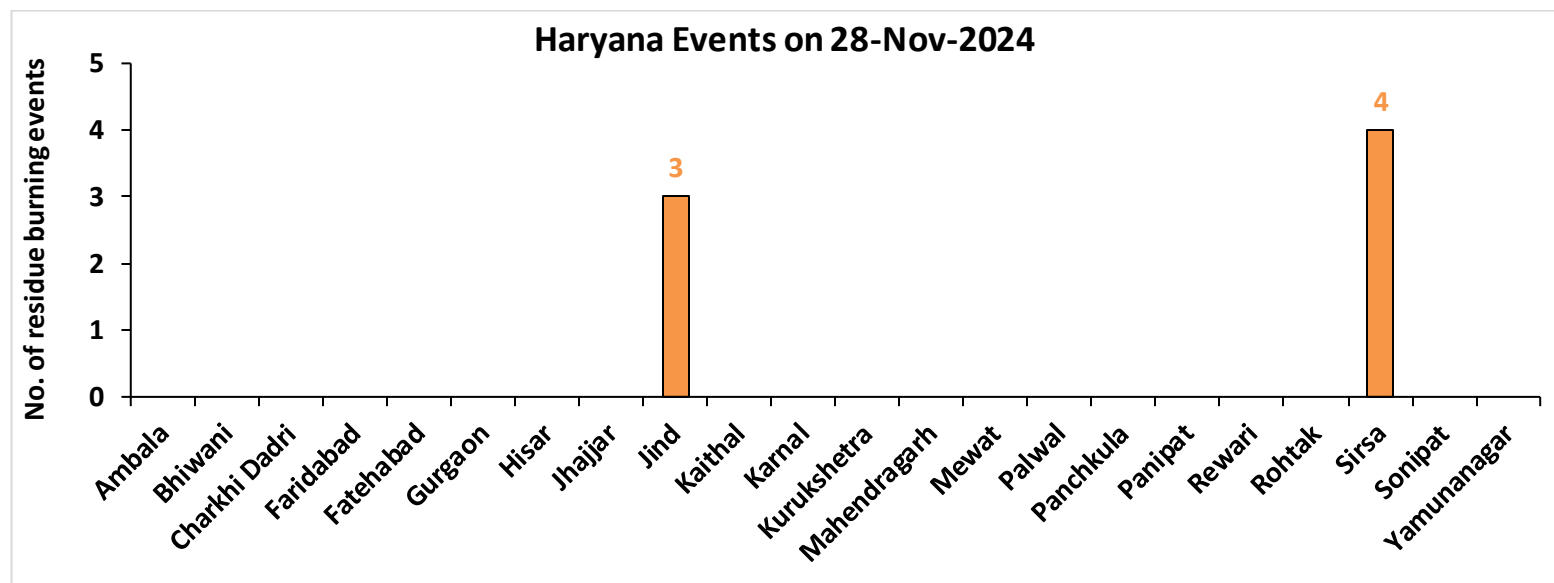
Fire Intensity (W/m²)

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



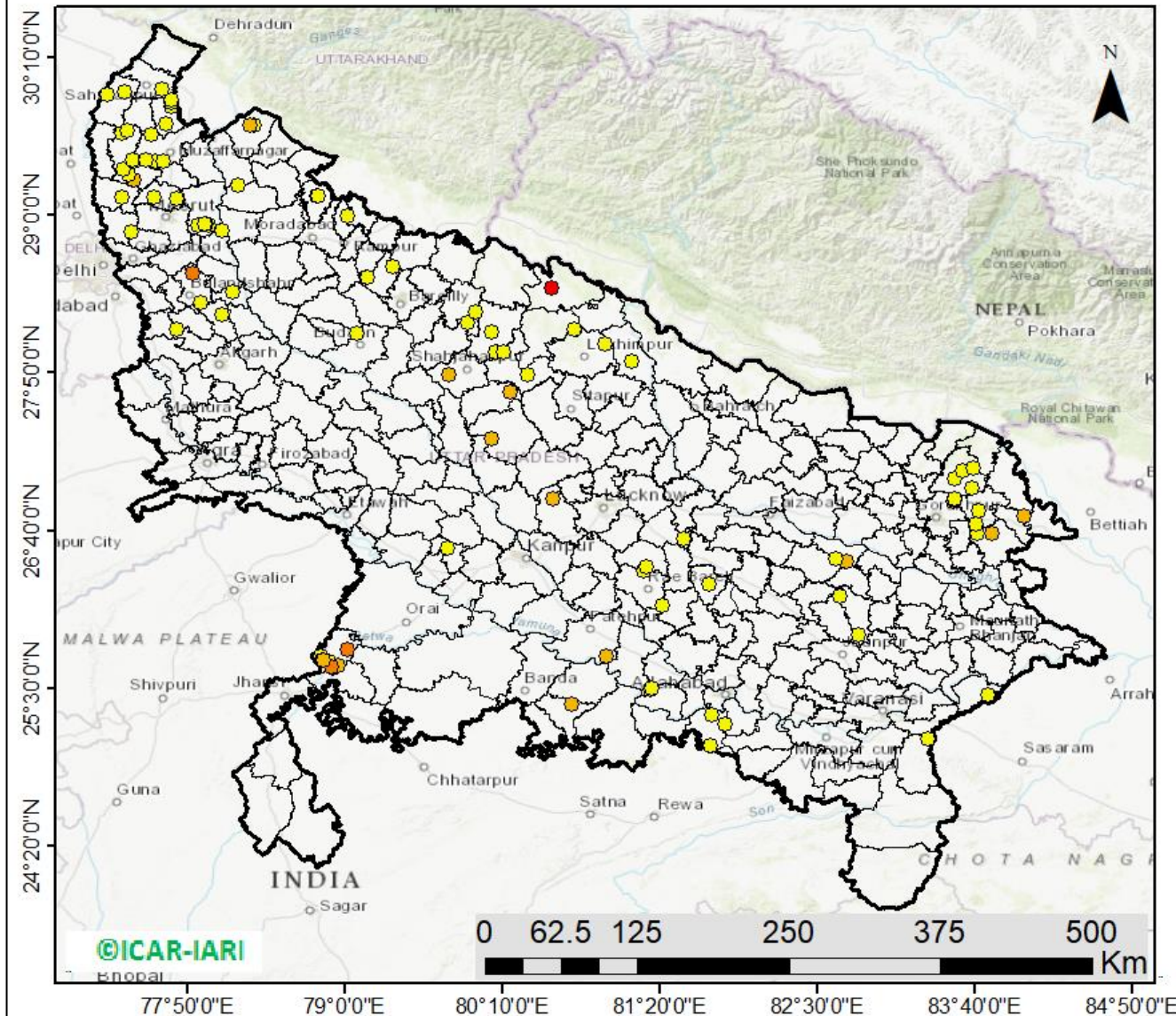
http://103.111.37.126/icar_geoportal/

District-wise cumulative number of residues burning events in Haryana (15Sep-28Nov-2024)



Uttar Pradesh

RICE RESIDUE BURNING IN UTTAR PRADESH



103 burning events detected in Uttar Pradesh on (28th Nov 2024)

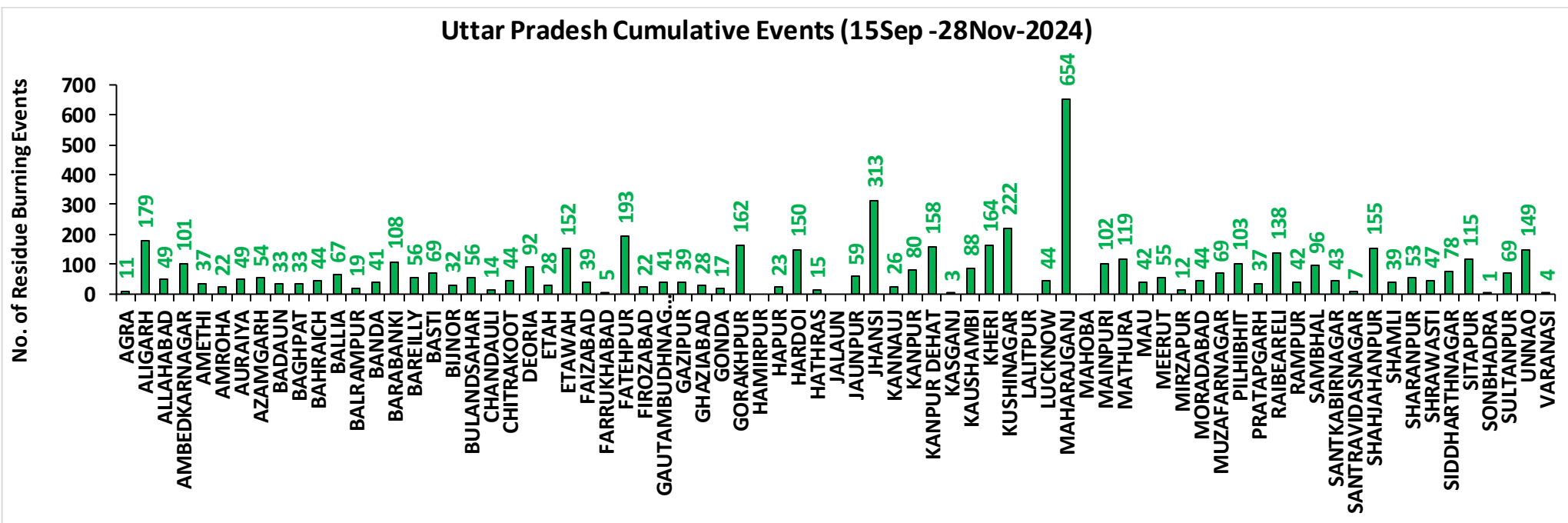
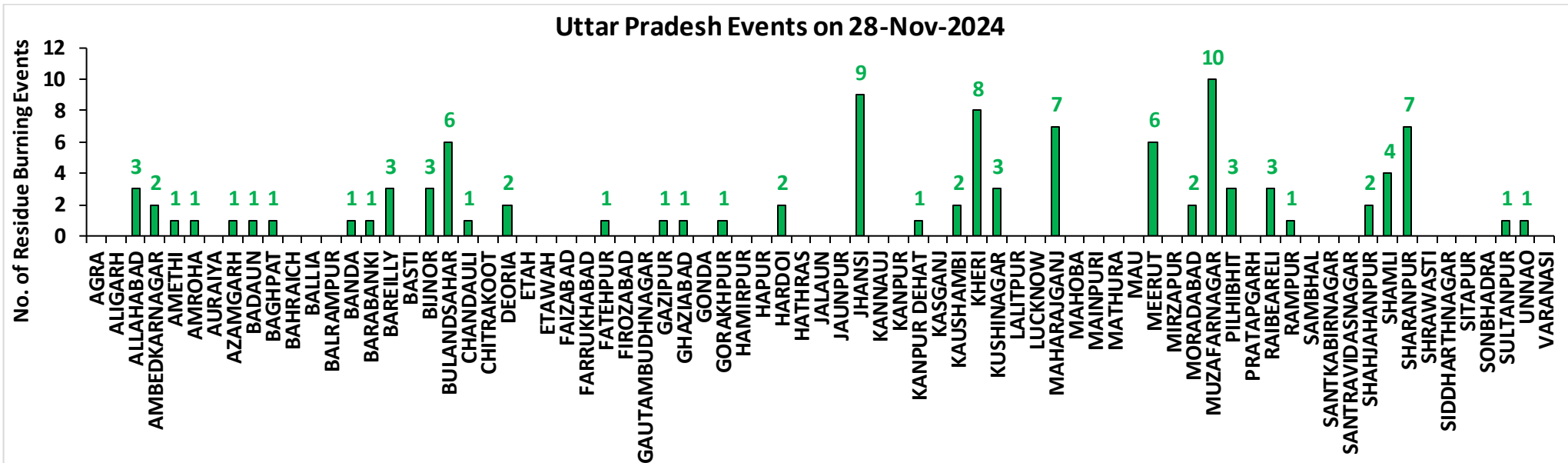
Fire Intensity (W/m²)

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



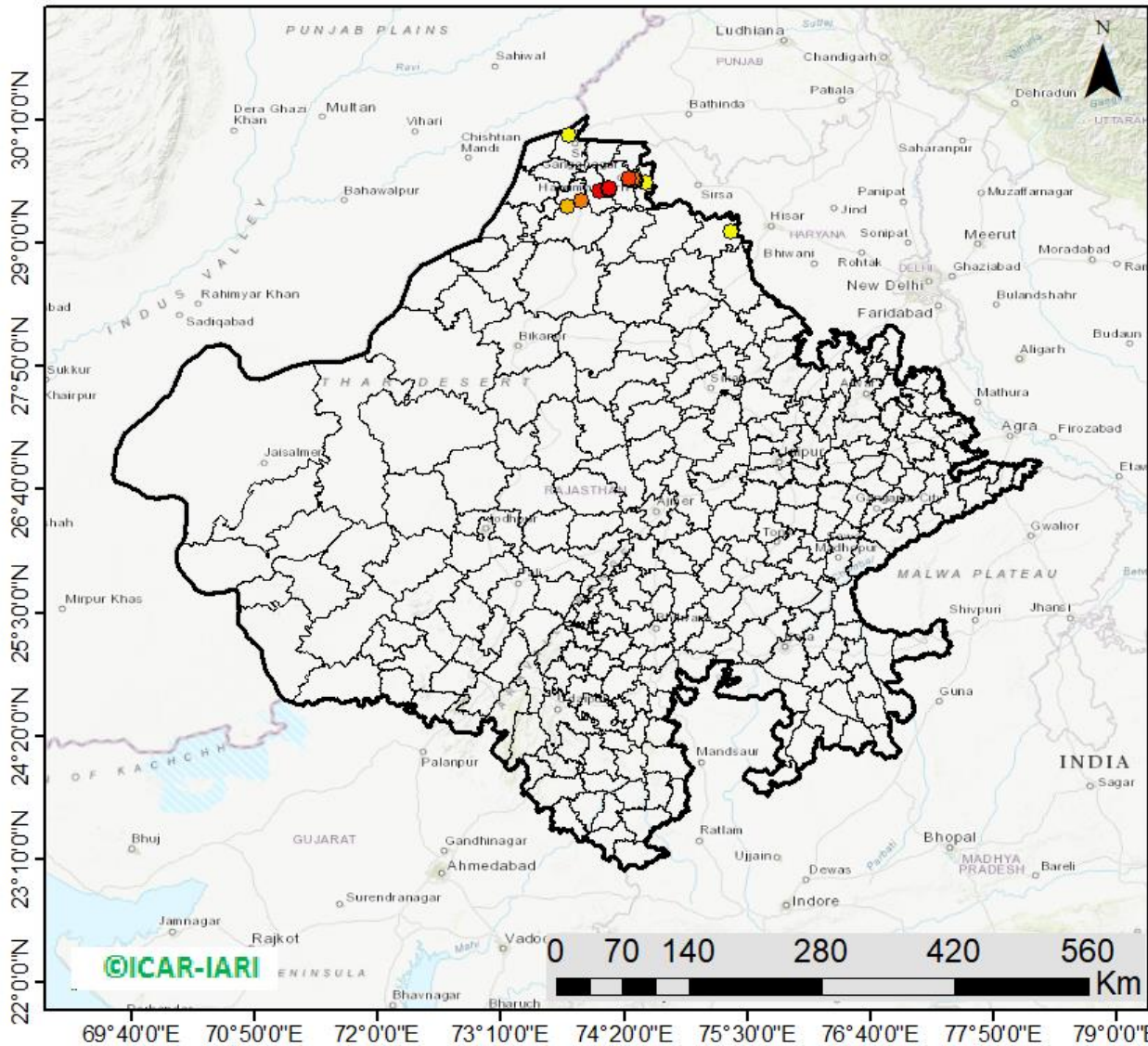
http://103.111.37.126/icar_geoportal/

District-wise cumulative number of residues burning events in Uttar Pradesh (15Sep-28Nov-2024)



Rajasthan

RICE RESIDUE BURNING IN RAJASTHAN



20 burning events
detected in Rajasthan on
(28th Nov 2024)

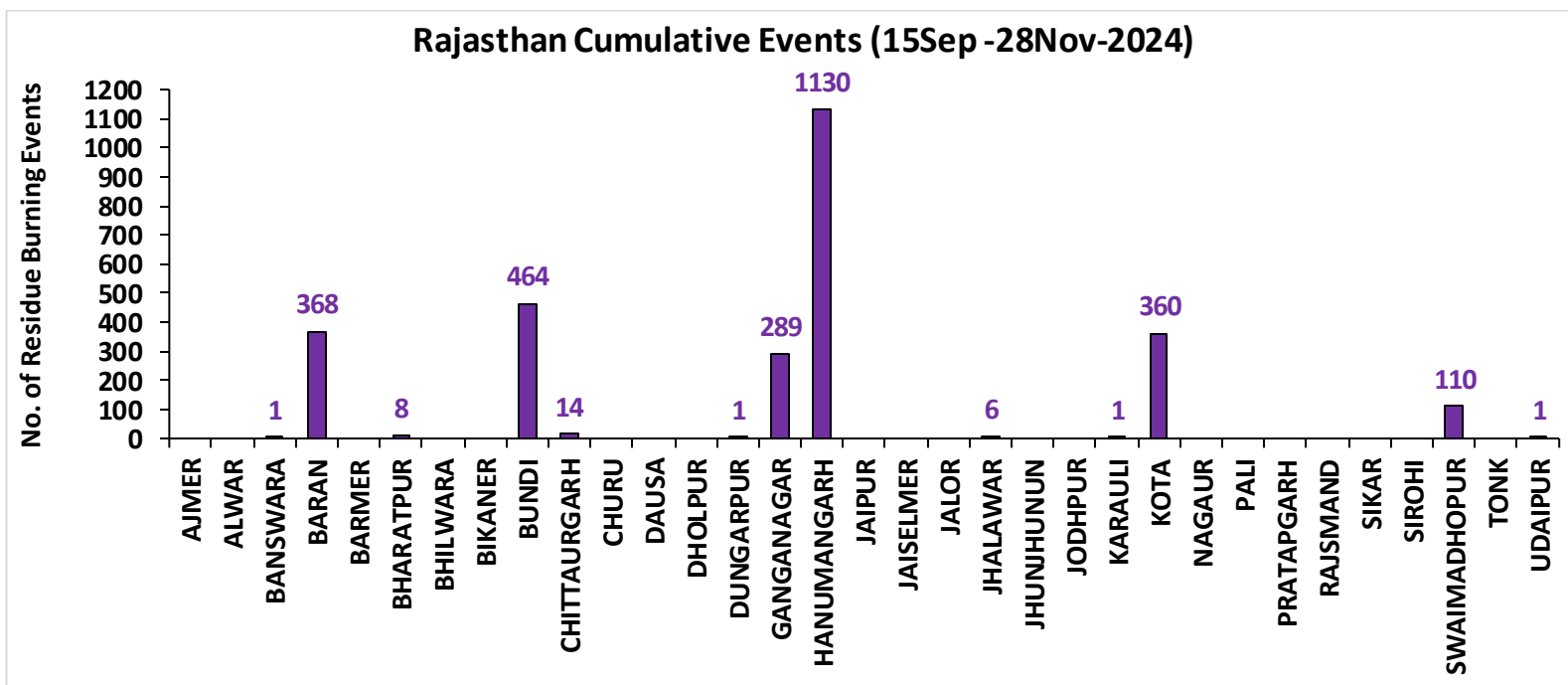
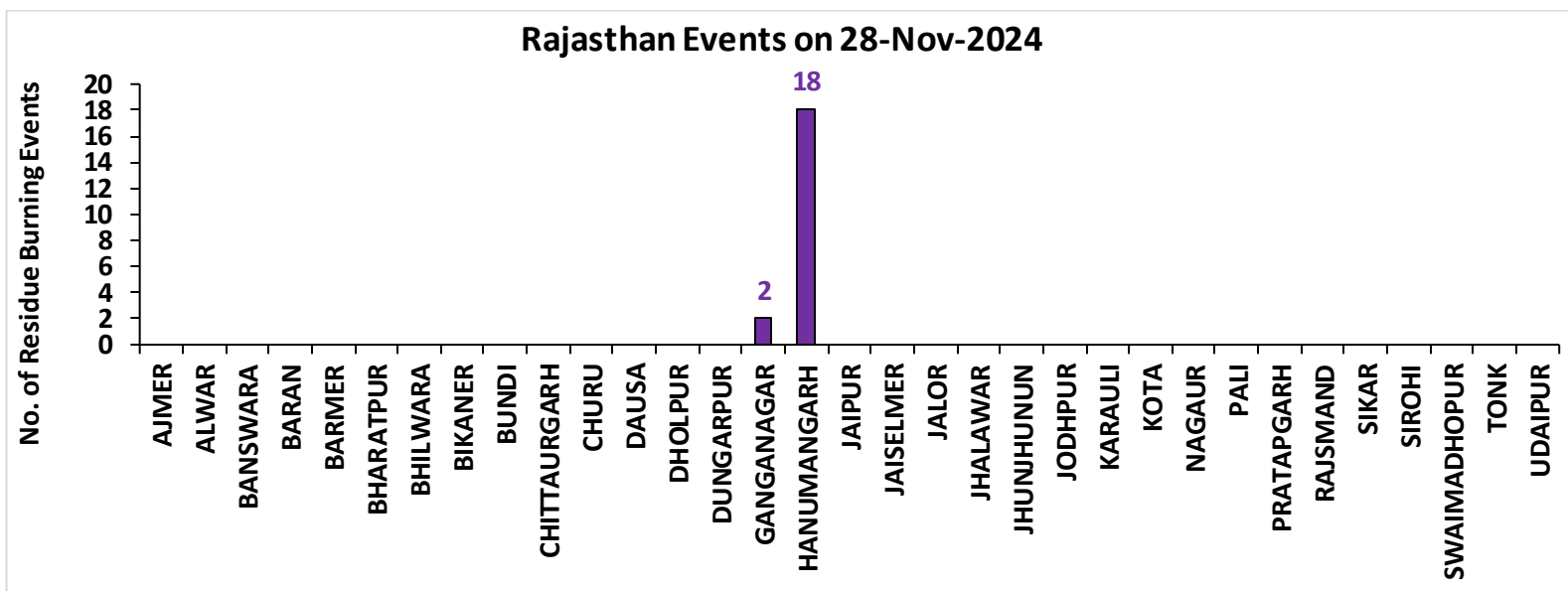
Fire Intensity (W/m²)

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



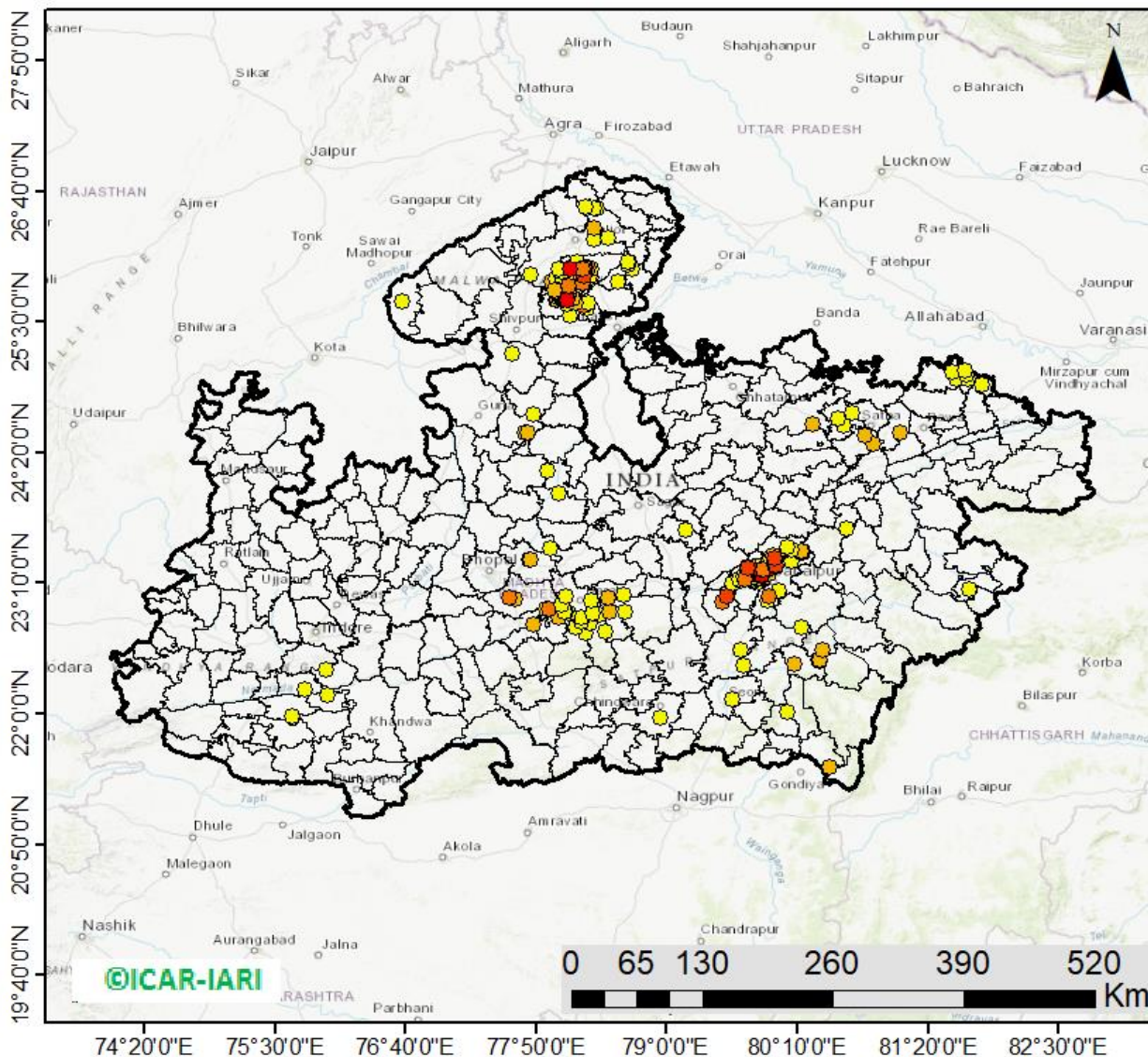
http://103.111.37.126/icar_geoportal/

District-wise cumulative number of residues burning events in Rajasthan (15Sep-28Nov-2024)



Madhya Pradesh

RICE RESIDUE BURNING IN MADHYA PRADESH



282 burning events
detected in MP on
(28th Nov 2024)

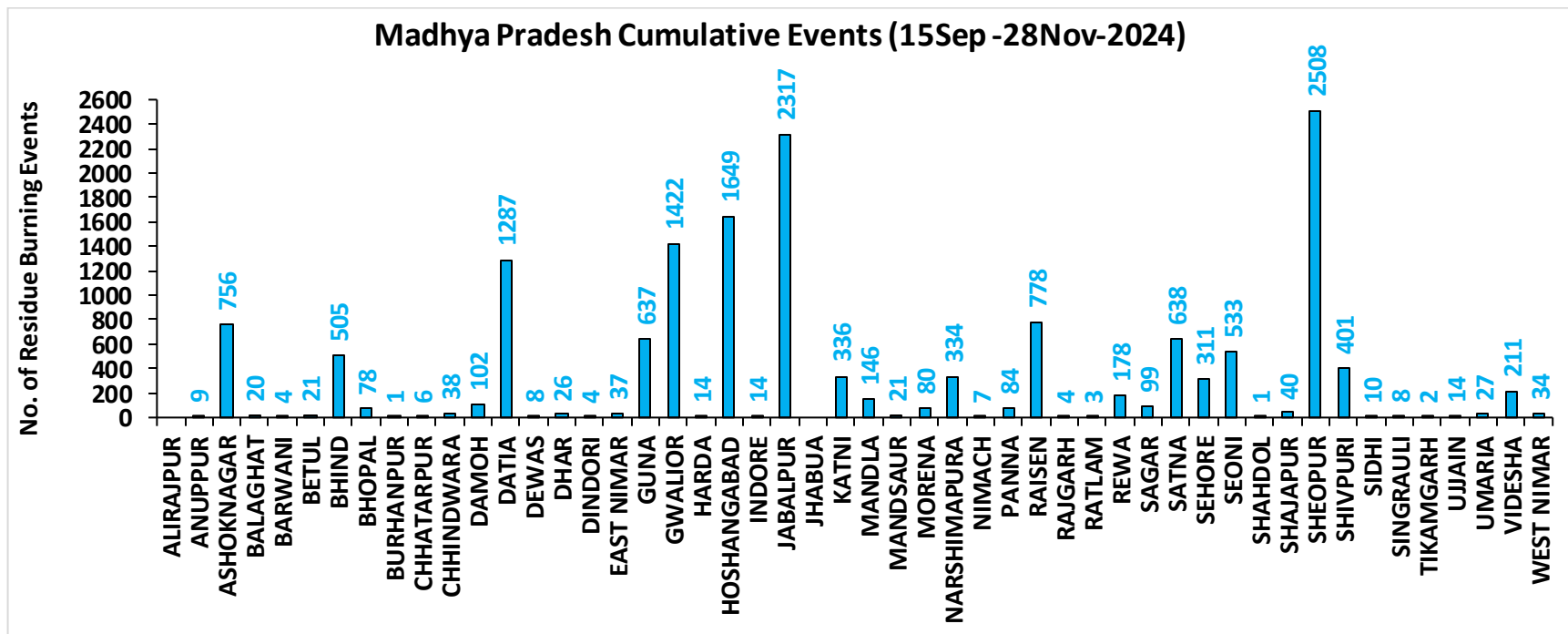
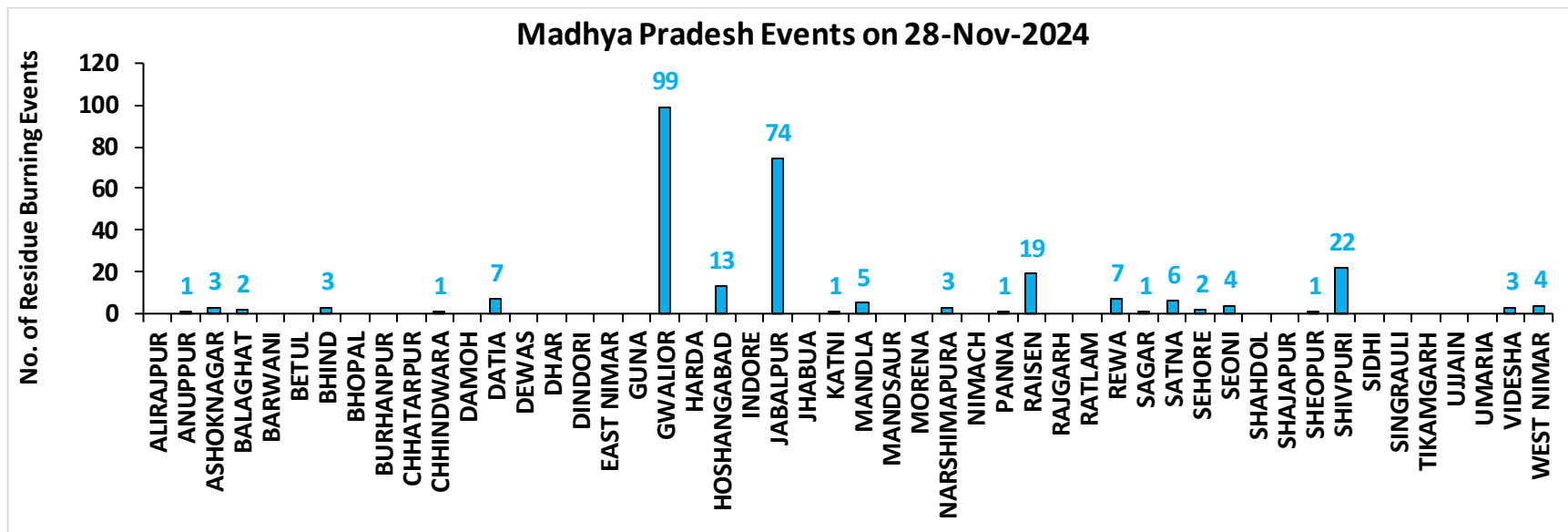
Fire Intensity (W/m^2)

- 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-28Nov-2024)



District-wise cumulative number of residues burning events detected in 2020, 2021, 2022, 2023 and 2024
(Period: 15 September-28 November)

(a) Punjab

District	15 Sep-28 Nov				
	2020	2021	2022	2023	2024
Amritsar	3065	2174	1542	1573	734
Barnala	5338	4326	2910	2313	260
Bathinda	5233	4481	4592	2967	748
Faridkot	4733	3953	2693	2021	546
Fatehgarh Sahib	1536	1722	1148	887	233
Fazilka	2599	2389	2591	1846	389
Firozpur	8523	6289	4556	3398	1341
Gurdaspur	2129	1393	847	389	199
Hoshiarpur	387	331	258	118	29
Jalandhar	1949	2547	1386	1195	154
Kapurthala	1884	1797	1278	1048	353
Ludhiana	5061	5814	2681	1798	325
Malerkotla*	--	--	--	413	203
Mansa	3782	3217	2814	2267	615
Moga	7414	6515	3609	2794	690
Muktsar	5056	4596	3879	1665	810
Pathankot	13	6	1	4	3
Patiala	6432	5426	3395	1878	541
Rupnagar	205	307	246	46	10
Sangrur#	11724	9389	5916	5618	1724
SAS NAGAR (Mohali)	127	147	103	133	40
SBS Nagar	131	355	270	237	35
Tarn Taran	5605	4117	3184	2024	873
Total	82926	71291	49899	36632	10855

(b) Haryana

District	15 Sep-28 Nov				
	2020	2021	2022	2023	2024
AMBALA	346	307	224	188	96
BHIWANI	4	12	9	10	8
CHARKHI DADRI	0	0	1	2	0
FARIDABAD	1	3	1	6	47
FATEHABAD	868	1477	765	576	130
GURGAON	0	0	0	0	0
HISAR	56	240	115	111	47
JHAJJAR	6	7	8	20	12
JIND	344	911	531	343	213
KAITHAL	840	1154	641	262	194
KARNAL	581	955	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	51	249	82	25	40
REWARI	0	0	0	0	0
ROHTAK	50	76	65	71	22
SIRSA	308	548	304	160	181
SONIPAT	71	216	91	78	68
YAMUNANAGAR	142	147	154	96	38
Total	4120	6955	3642	2285	1380

*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-28 Nov																
	2020	2021	2022	2023	2024	GAUTAMBUDHNAGAR	15	19	11	14	41	MUZAFARNAGAR	56	37	26	33	69
AGRA	7	0	0	4	11	GAZIPUR	27	28	28	23	39	PILHIBHIT	26	223	150	111	103
ALIGARH	113	40	44	89	179	GHAZIABAD	26	17	9	29	28	PRATAPGARH	41	43	30	46	37
ALLAHABAD	41	38	18	21	49	GONDA	12	13	1	13	17	RAIBARELI	41	100	53	85	138
AMBEDKARNAGAR	42	39	38	52	101	GORAKHPUR	46	36	40	138	162	RAMPUR	163	192	106	99	42
AMETHI	9	30	21	71	37	HAMIRPUR	6	0	0	0	0	SAMBHAL	19	21	14	19	96
AMROHA	16	10	8	5	22	HAPUR	33	21	13	17	23	SANTKABIRNAGAR	32	22	15	61	43
AURAIYA	95	80	62	77	49	HARDOI	102	118	80	104	150	SANTRAVIDASNAGAR	4	6	4	3	7
AZAMGARH	64	38	29	37	54	HATHRAS	0	0	2	3	15	SHAHJAHANPUR	149	422	321	125	155
BADAUN	14	19	7	11	33	JALAUN	44	0	0	0	0	SHAMLI	49	44	19	26	39
BAGHPAT	22	21	15	25	33	JAUNPUR	49	41	33	43	59	SHARANPUR	103	82	28	34	53
BAHRAICH	107	60	23	46	44	JHANSI	363	168	120	172	313	SHRAWASTI	47	45	18	58	47
BALLIA	154	81	53	34	67	KANNAUJ	33	6	7	7	26	SIDDHARTHANAGAR	76	137	44	165	78
BALRAMPUR	69	21	12	33	19	KANPUR	35	39	30	51	80	SITAPUR	77	55	38	64	115
BANDA	40	15	22	43	41	KANPUR DEHAT	89	53	60	144	158	SONBHADRA	0	2	0	0	1
BARABANKI	36	73	58	84	108	KASGANJ	3	2	3	4	3	SULTANPUR	11	40	30	51	69
BAREILLY	88	69	67	65	56	KAUSHAMBI	93	91	49	69	88	UNNAO	46	34	38	60	149
BASTI	58	51	20	95	69	KHERI	185	181	152	115	164	VARANASI	2	5	0	3	4
BIJNOR	45	50	17	20	32	KUSHINAGAR	82	54	49	122	222	Total	4178	4115	2736	3812	5554
BULANDSAHAR	64	15	24	28	56	LALITPUR	3	6	3	6	0						
CHANDAULI	29	21	9	2	14	LUCKNOW	35	34	15	44	44						
CHITRAKOOT	12	9	12	14	44	MAHARAJGANJ	56	195	174	197	654						
DEORIA	85	40	42	73	92	MAHOBA	27	0	0	0	0						
ETAH	17	10	8	21	28	MAINPURI	65	52	40	57	102						
ETAWAH	82	107	65	130	152	MATHURA	161	240	30	95	119						
FAIZABAD	15	13	7	28	39	MAU	38	20	13	28	42						
FARRUKHABAD	7	4	1	1	5	MEERUT	82	60	35	32	55						
FATEHPUR	124	108	97	101	193	MIRZAPUR	11	17	7	2	12						
FIROZABAD	27	17	10	10	22	MORADABAD	33	15	9	20	44						

(d) Delhi

District	15 Sep-28 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-28 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	13	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	4	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	222	142	104	153	289
HANUMANGARH	910	983	677	700	1130
JAIPUR	4	0	0	0	0
JAISELMER	5	0	0	0	0
JALOR	2	0	0	0	0
JHALAWAR	10	1	12	13	6
JHUNJHUNUN	1	0	0	0	0
JODHPUR	5	0	0	0	0
KARALI	1	0	0	0	1
KOTA	116	57	147	268	360
NAGPUR	4	0	0	0	0
PALI	11	0	0	0	0
PRATAPGARH	8	0	0	0	0
RAJSMAND	1	0	0	0	0
SIKAR	1	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	1706	1334	1267	1772	2753

(f) Madhya Pradesh

District	15 Sep-28 Nov										
	2020	2021	2022	2023	2024	PANNA	50	22	39	48	84
ALIRAJPUR	0	0	0	0	0	RAISEN	607	360	455	407	778
ANUPPUR	3	2	6	3	9	RAJGARH	11	3	5	11	4
ASHOKNAGAR	156	90	188	278	756	RATLAM	10	7	3	6	3
BALAGHAT	8	6	3	4	20	REWA	137	116	93	94	178
BARWANI	5	0	0	3	4	SAGAR	28	31	55	92	99
BETUL	36	16	26	44	21	SATNA	572	526	473	388	638
BHIND	266	159	209	270	505	SEHORE	163	152	223	193	311
BHOPAL	52	40	43	50	78	SEONI	1231	892	1124	1438	533
BURHANPUR	16	3	5	10	1	SHAHDOL	3	1	3	2	1
CHHATARPUR	9	0	2	3	6	SHAJAPUR	20	0	0	20	40
CHHINDWARA	135	59	102	178	38	SHEOPUR	1860	1010	1800	1859	2508
DAMOH	75	53	70	100	102	SHIVPURI	386	108	285	301	401
DATIA	1187	498	860	915	1287	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	11	15	11	27
GUNA	70	12	124	468	637	VIDESHA	145	123	92	152	211
GWALIOR	2051	824	1581	1068	1422	WEST NIMAR	68	12	19	45	34
HARDA	14	21	11	31	14	Total	14024	8051	11512	12489	15763
HOSHANGABAD	1059	1067	1098	1181	1649						
INDORE	4	0	0	12	14						
JABALPUR	2636	1368	1857	1984	2317						
JHABUA	0	0	0	0	0						
KATNI	326	119	209	274	336						
MANDLA	147	113	146	97	146						
MANDSAUR	14	0	0	6	21						
MORENA	62	37	25	48	80						
NARSHIMAPURA	292	170	245	232	334						
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-28 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
28-Nov	84	5	11	18	34	57	9	13	0	7	118	241	59	64	103
Total	82926	71291	49899	36632	10855	4120	6955	3642	2285	1380	4178	4115	2736	3812	5554

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
28-Nov	0	0	0	0	0	24	12	1	3	20	38	163	109	5	282
Total	9	4	10	5	12	1706	1334	1267	1772	2753	14024	8051	11512	12489	15763

Details of residue burning events in Punjab on 28-Nov-2024

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	BATHINDA	RAMPURA	AQUA	30.17800	75.35200	14:43:51	D	7.70
2	FARIDKOT	FARIDKOT	S-NPP	30.71883	74.70850	13:47:12	D	1.70
3	FATEHGARH SAHIB	SIRHIND	S-NPP	30.49200	76.39091	13:47:12	D	1.90
4	FATEHGARH SAHIB	SIRHIND	AQUA	30.56400	76.44600	14:43:51	D	8.60
5	FAZILKA	ARNIWALA SHEIKH SUBANPUR	AQUA	30.35800	74.15400	14:43:51	D	4.40
6	FAZILKA	FAZILKA	S-NPP	30.46946	73.99375	13:47:12	D	5.30
7	FAZILKA	FAZILKA	S-NPP	30.49672	74.00806	13:47:12	D	21.50
8	FAZILKA	FAZILKA	AQUA	30.49100	73.97700	14:43:51	D	9.90
9	FAZILKA	GURUHAR SAHAI	AQUA	30.54500	74.33900	14:43:51	D	7.10
10	FAZILKA	GURUHAR SAHAI	AQUA	30.55900	74.37300	14:43:51	D	14.70
11	FAZILKA	GURUHAR SAHAI	AQUA	30.62600	74.33200	14:43:51	D	8.40
12	FAZILKA	JALALABAD	AQUA	30.46700	74.29800	14:43:51	D	5.80
13	FAZILKA	JALALABAD	AQUA	30.46900	74.31000	14:43:51	D	14.70
14	FAZILKA	JALALABAD	AQUA	30.63700	74.18400	14:43:51	D	6.50
15	FIROZPUR	ZIRA	S-NPP	30.88692	74.94445	13:47:12	D	7.30
16	JALANDHAR	MEHATPUR	AQUA	31.06600	75.44800	14:43:51	D	9.30
17	JALANDHAR	PHILLAUR	S-NPP	31.02779	75.89079	13:47:12	D	5.10
18	JALANDHAR	PHILLAUR	S-NPP	31.10894	75.90700	13:47:12	D	8.80
19	LUDHIANA	DORAHA	S-NPP	30.72269	75.99545	13:47:12	D	4.30
20	LUDHIANA	DORAHA	S-NPP	30.75768	76.07050	13:47:12	D	3.50
21	MANSA	BHIKHI	S-NPP	30.13311	75.53131	13:47:12	D	2.90
22	MANSA	MANSA	AQUA	29.98700	75.46200	14:43:51	D	10.50
23	MOGA	MOGA 1	S-NPP	30.71215	75.21606	13:47:12	D	3.50
24	MUKTSAR	MALOUT	S-NPP	30.36883	74.48859	13:47:12	D	6.70
25	MUKTSAR	MALOUT	S-NPP	30.36913	74.49110	13:47:12	D	5.20
26	MUKTSAR	MALOUT	AQUA	30.34100	74.32400	14:43:51	D	44.70
27	MUKTSAR	MALOUT	AQUA	30.34200	74.33600	14:43:51	D	28.60
28	MUKTSAR	MUKTSAR	S-NPP	30.50508	74.48063	13:47:12	D	4.00
29	MUKTSAR	MUKTSAR	S-NPP	30.52444	74.45770	13:47:12	D	4.30
30	MUKTSAR	MUKTSAR	AQUA	30.55300	74.39800	14:43:51	D	22.40
31	MUKTSAR	MUKTSAR	AQUA	30.55400	74.41000	14:43:51	D	10.10
32	TARN TARAN	BHIKHIWIND	S-NPP	31.37299	74.67680	13:47:12	D	4.30
33	TARN TARAN	GANDIWIND TATLA	S-NPP	31.47313	74.74623	13:47:12	D	3.40
34	TARN TARAN	NAUSHERA PANNUAN	S-NPP	31.34179	74.96790	13:47:12	D	7.40

Details of residue burning events in Haryana on 28-Nov-2024

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	JIND	SAFIDON	S-NPP	29.36258	76.59178	13:47:12	D	3.60
2	JIND	SAFIDON	S-NPP	29.45796	76.55828	13:47:12	D	6.10
3	JIND	UCHANA	AQUA	29.53100	76.10300	14:43:51	D	7.50
4	SIRSA	BARAGUNDA	AQUA	29.61900	75.10800	14:43:51	D	8.10
5	SIRSA	DABWALI	S-NPP	29.87239	74.57667	13:47:12	D	2.90
6	SIRSA	SIRSA	S-NPP	29.50275	74.96250	02:37:12	N	0.90
7	SIRSA	SIRSA	S-NPP	29.56696	75.10976	02:37:12	N	1.40

Details of residue burning events in Uttar Pradesh on 28-Nov-2024

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	ALLAHABAD	BARA	S-NPP	25.07006	81.71157	13:47:12	D	2.40
2	ALLAHABAD	BARA	S-NPP	25.29819	81.72358	13:47:12	D	1.90
3	ALLAHABAD	KARCHHANA	S-NPP	25.23256	81.81926	13:47:12	D	2.20
4	AMBEDKARNAGAR	AKBARPUR	S-NPP	26.45662	82.63709	13:47:12	D	4.20
5	AMBEDKARNAGAR	JALALPUR	S-NPP	26.43438	82.71432	13:47:12	D	6.80
6	AMETHI	GAURIGANJ	S-NPP	26.27272	81.69698	13:47:12	D	3.90
7	AMROHA	DHANAURA	S-NPP	28.88605	78.09687	13:47:12	D	3.10
8	AZAMGARH	PHULPUR	S-NPP	25.89078	82.80357	12:06:55	D	3.10
9	BADAUN	BADAUN	S-NPP	28.12874	79.08990	13:47:12	D	3.90
10	BAGHPAT	BARAUT	S-NPP	29.12861	77.34938	13:47:12	D	3.70
11	BANDA	ATARRA	S-NPP	25.37826	80.68637	13:47:12	D	5.80
12	BARABANKI	H AidARGARH	S-NPP	26.60533	81.50760	13:47:12	D	2.30
13	BAREILLY	MIRGANJ	S-NPP	28.53737	79.16515	13:47:12	D	3.50
14	BAREILLY	MIRGANJ	S-NPP	28.53907	79.16675	13:47:12	D	4.00
15	BAREILLY	MIRGANJ	S-NPP	28.62110	79.35398	13:47:12	D	4.40
16	BIJNOR	CHANDPUR	S-NPP	29.21718	78.20981	13:47:12	D	3.90
17	BIJNOR	NAJIBABAD	S-NPP	29.66381	78.33041	13:47:12	D	4.20
18	BIJNOR	NAJIBABAD	S-NPP	29.66580	78.30494	13:47:12	D	5.80
19	BULANSAHAR	ANUP SHAHR	S-NPP	28.43155	78.17171	13:47:12	D	3.60
20	BULANSAHAR	ANUP SHAHR	S-NPP	28.43254	78.17377	13:47:12	D	2.70
21	BULANSAHAR	BULANSHAHAR	AQUA	28.56900	77.87600	14:43:51	D	12.60

22	BULANSAHAR	KHURJA	S-NPP	28.15230	77.76237	13:47:12	D	1.90
23	BULANSAHAR	SHIKARPUR	S-NPP	28.26380	78.09352	13:47:12	D	2.70
24	BULANSAHAR	SHIKARPUR	S-NPP	28.34980	77.93597	13:47:12	D	3.30
25	CHANDAULI	CHAKIA	S-NPP	25.12634	83.31949	13:47:12	D	3.10
26	DEORIA	DEORIA	S-NPP	26.64087	83.68743	13:47:12	D	3.90
27	DEORIA	DEORIA	S-NPP	26.64251	83.79521	13:47:12	D	7.00
28	FATEHPUR	FATEHPUR	S-NPP	25.73590	80.93651	13:47:12	D	5.80
29	GAZIPUR	ZAMANIA	S-NPP	25.44554	83.76141	13:47:12	D	3.50
30	GHAZIABAD	MODINAGAR	S-NPP	28.87532	77.42441	13:47:12	D	1.60
31	GORAKHPUR	GORAKHPUR	S-NPP	26.87674	83.50275	13:47:12	D	5.20
32	HARDOI	HARDOI	S-NPP	27.34648	80.09404	13:47:12	D	5.10
33	HARDOI	SHAHABAD	S-NPP	27.68986	80.22928	13:47:12	D	8.20
34	JHANSI	MOTH	S-NPP	25.66786	78.95673	13:47:12	D	5.40
35	JHANSI	MOTH	S-NPP	25.69114	78.88265	13:47:12	D	2.80
36	JHANSI	MOTH	S-NPP	25.72429	78.81958	13:47:12	D	17.20
37	JHANSI	MOTH	S-NPP	25.72445	78.82207	13:47:12	D	15.10
38	JHANSI	MOTH	S-NPP	25.73788	78.82254	13:47:12	D	2.60
39	JHANSI	MOTH	AQUA	25.65400	78.90700	14:43:51	D	11.70
40	JHANSI	MOTH	AQUA	25.70300	78.83700	14:43:51	D	19.50
41	JHANSI	MOTH	AQUA	25.70800	78.84300	14:43:51	D	9.40
42	JHANSI	MOTH	AQUA	25.78300	79.01900	14:43:51	D	10.70
43	KANPUR DEHAT	DERAPUR	S-NPP	26.53715	79.76734	13:47:12	D	3.00
44	KAUSHAMBI	MANJHANPUR	S-NPP	25.48386	81.26176	13:47:12	D	2.30
45	KAUSHAMBI	MANJHANPUR	S-NPP	25.50034	81.27316	13:47:12	D	1.70
46	KHERI	DHAURAHRA	S-NPP	27.91388	81.12611	13:47:12	D	1.70
47	KHERI	GOLA	S-NPP	28.15007	80.70027	12:06:55	D	1.60
48	KHERI	LAKHIMPUR	S-NPP	28.04596	80.92594	13:47:12	D	1.30
49	KHERI	MOHMADI	S-NPP	27.81664	80.35543	13:47:12	D	3.10
50	KHERI	MOHMADI	S-NPP	27.98598	80.12466	13:47:12	D	3.00
51	KHERI	MOHMADI	S-NPP	27.98796	80.12203	13:47:12	D	2.40
52	KHERI	MOHMADI	S-NPP	27.98971	80.17482	02:37:12	N	0.60
53	KHERI	PALIA KALAN	AQUA	28.45700	80.53200	14:43:51	D	27.70
54	KUSHINAGAR	HATA	S-NPP	26.71483	83.67319	13:47:12	D	5.00
55	KUSHINAGAR	HATA	S-NPP	26.81447	83.68994	13:47:12	D	3.50
56	KUSHINAGAR	KASAYA	S-NPP	26.77023	84.03370	13:47:12	D	9.40
57	MAHARAJGANJ	MAHARAJGANJ	S-NPP	26.89552	83.51551	13:47:12	D	3.80
58	MAHARAJGANJ	MAHARAJGANJ	S-NPP	26.89774	83.51392	13:47:12	D	2.20
59	MAHARAJGANJ	MAHARAJGANJ	S-NPP	26.97909	83.64234	12:06:55	D	2.00
60	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.04765	83.51318	13:47:12	D	4.30

61	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.10615	83.57602	13:47:12	D	3.40
62	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.10901	83.57521	13:47:12	D	2.20
63	MAHARAJGANJ	MAHARAJGANJ	S-NPP	27.13224	83.65141	13:47:12	D	4.60
64	MEERUT	MAWANA	S-NPP	28.92437	77.91747	13:47:12	D	3.50
65	MEERUT	MAWANA	S-NPP	28.92788	77.99190	13:47:12	D	3.70
66	MEERUT	MAWANA	S-NPP	28.93455	77.97224	13:47:12	D	3.20
67	MEERUT	MAWANA	S-NPP	28.93614	77.96993	13:47:12	D	2.20
68	MEERUT	SARDHANA	S-NPP	29.12481	77.75571	13:47:12	D	2.80
69	MEERUT	SARDHANA	S-NPP	29.13229	77.58782	13:47:12	D	2.20
70	MORADABAD	THAKUR DWARA	S-NPP	29.14042	78.80044	13:47:12	D	1.10
71	MORADABAD	THAKUR DWARA	S-NPP	29.14070	78.80254	13:47:12	D	2.10
72	MUZAFARNAGAR	BUDHANA	S-NPP	29.26142	77.43710	13:47:12	D	4.00
73	MUZAFARNAGAR	BUDHANA	S-NPP	29.26188	77.44146	13:47:12	D	5.90
74	MUZAFARNAGAR	BUDHANA	S-NPP	29.29634	77.40585	13:47:12	D	2.70
75	MUZAFARNAGAR	BUDHANA	S-NPP	29.33551	77.36720	13:47:12	D	2.10
76	MUZAFARNAGAR	BUDHANA	S-NPP	29.40302	77.44212	13:47:12	D	3.10
77	MUZAFARNAGAR	MUZAFFARNAGAR	S-NPP	29.39374	77.59624	13:47:12	D	4.00
78	MUZAFARNAGAR	MUZAFFARNAGAR	S-NPP	29.39799	77.59567	13:47:12	D	4.00
79	MUZAFARNAGAR	MUZAFFARNAGAR	S-NPP	29.40084	77.66379	13:47:12	D	3.70
80	MUZAFARNAGAR	MUZAFFARNAGAR	S-NPP	29.40829	77.53101	13:47:12	D	1.80
81	MUZAFARNAGAR	MUZAFFARNAGAR	S-NPP	29.59586	77.57130	13:47:12	D	2.80
82	PILHIBHIT	BISALPUR	S-NPP	28.20442	79.91394	02:37:12	N	0.40
83	PILHIBHIT	BISALPUR	S-NPP	28.20522	79.91321	02:37:12	N	0.40
84	PILHIBHIT	BISALPUR	S-NPP	28.27966	79.96973	02:37:12	N	0.60
85	RAIBEARELI	MAHARAJGANG	S-NPP	26.39713	81.23586	13:47:12	D	2.70
86	RAIBEARELI	RAEBARELI	S-NPP	26.36238	81.21624	13:47:12	D	1.70
87	RAIBEARELI	SALON	S-NPP	26.10631	81.35847	13:47:12	D	1.90
88	RAMPUR	TANDA	S-NPP	28.99546	79.02287	13:47:12	D	3.20
89	SHAHJAHANPUR	PUWANYA	S-NPP	28.13027	80.08600	13:47:12	D	1.90
90	SHAHJAHANPUR	SHAHJAHANPUR	S-NPP	27.81686	79.77216	13:47:12	D	5.50
91	SHAMLI	SHAMLI	S-NPP	29.40580	77.42839	13:47:12	D	4.00
92	SHAMLI	SHAMLI	S-NPP	29.60284	77.35448	13:47:12	D	4.90
93	SHAMLI	SHAMLI	S-NPP	29.62377	77.39223	13:47:12	D	2.30
94	SHAMLI	SHAMLI	S-NPP	29.62389	77.39163	13:47:12	D	1.50
95	SHARANPUR	DEOBAND	S-NPP	29.67407	77.67674	13:47:12	D	3.00
96	SHARANPUR	DEOBAND	S-NPP	29.80223	77.71718	13:47:12	D	2.80
97	SHARANPUR	DEOBAND	S-NPP	29.83325	77.72242	13:47:12	D	3.30
98	SHARANPUR	DEOBAND	S-NPP	29.85474	77.71959	13:47:12	D	2.40
99	SHARANPUR	NAKUR	S-NPP	29.89787	77.24219	13:47:12	D	3.80

100	SHARANPUR	NAKUR	S-NPP	29.91187	77.37395	13:47:12	D	4.70
101	SHARANPUR	SHARANPUR	S-NPP	29.93597	77.64544	13:47:12	D	1.30
102	SULTANPUR	KADIRPUR	S-NPP	26.18102	82.67170	13:47:12	D	3.20
103	UNNAO	HASANGANJ	S-NPP	26.90091	80.54636	13:47:12	D	8.60

Details of residue burning events in Rajasthan on 28-Nov-2024

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	GANGANAGAR	GANGANAGAR	S-NPP	30.01090	73.80503	13:47:12	D	3.00
2	GANGANAGAR	SURATGARH	AQUA	29.33500	73.79300	14:43:51	D	6.60
3	HANUMANGARH	BHADRA	S-NPP	29.10362	75.34367	13:47:12	D	3.30
4	HANUMANGARH	HANUMANGARH	S-NPP	29.59339	74.37182	13:47:12	D	8.70
5	HANUMANGARH	HANUMANGARH	S-NPP	29.60784	74.38541	13:47:12	D	23.90
6	HANUMANGARH	HANUMANGARH	AQUA	29.50500	74.18900	14:43:51	D	6.90
7	HANUMANGARH	HANUMANGARH	AQUA	29.51300	74.17700	14:43:51	D	16.70
8	HANUMANGARH	HANUMANGARH	AQUA	29.51500	74.18800	14:43:51	D	28.30
9	HANUMANGARH	HANUMANGARH	AQUA	29.60300	74.37700	14:43:51	D	19.70
10	HANUMANGARH	PILIBANGA	AQUA	29.39000	73.92900	14:43:51	D	10.40
11	HANUMANGARH	PILIBANGA	AQUA	29.48500	74.10100	14:43:51	D	29.40
12	HANUMANGARH	TIBI	S-NPP	29.57074	74.53825	13:47:12	D	1.10
13	HANUMANGARH	TIBI	S-NPP	29.57614	74.43659	13:47:12	D	7.20
14	HANUMANGARH	TIBI	S-NPP	29.60124	74.43245	13:47:12	D	5.20
15	HANUMANGARH	TIBI	S-NPP	29.60235	74.42924	13:47:12	D	2.50
16	HANUMANGARH	TIBI	S-NPP	29.61369	74.43214	13:47:12	D	0.90
17	HANUMANGARH	TIBI	S-NPP	29.61669	74.42686	13:47:12	D	3.60
18	HANUMANGARH	TIBI	AQUA	29.58600	74.44600	14:43:51	D	15.40
19	HANUMANGARH	TIBI	AQUA	29.59000	74.42700	14:43:51	D	11.50
20	HANUMANGARH	TIBI	AQUA	29.59800	74.41400	14:43:51	D	12.00

Details of residue burning events in Madhya Pradesh on 28-Nov-2024

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	ANUPPUR	ANUPUR	S-NPP	23.10039	81.70548	13:47:12	D	1.80
2	ASHOKNAGAR	ASHOKNAGAR	AQUA	24.50100	77.73700	14:43:51	D	9.60
3	ASHOKNAGAR	ASHOKNAGAR	AQUA	24.50200	77.75200	14:43:51	D	9.10
4	ASHOKNAGAR	ISAGARH	S-NPP	24.67040	77.80767	13:47:12	D	3.00
5	BALAGHAT	LALBURRA	S-NPP	22.00626	80.07774	13:47:12	D	4.40
6	BALAGHAT	LANJI	S-NPP	21.51097	80.45726	13:47:12	D	5.20
7	BHIND	GOHAD	S-NPP	26.50226	78.36919	13:47:12	D	3.60
8	BHIND	GOHAD	S-NPP	26.50887	78.35023	13:47:12	D	4.10
9	BHIND	GOHAD	S-NPP	26.51287	78.26888	13:47:12	D	3.20
10	CHHINDWARA	CHHINDWARA	S-NPP	21.95996	78.94453	13:47:12	D	1.50
11	DATIA	DATIA	S-NPP	25.65761	78.30278	13:47:12	D	2.10
12	DATIA	SEONDHA	S-NPP	25.84771	78.56080	13:47:12	D	1.20
13	DATIA	SEONDHA	S-NPP	25.96299	78.68444	13:47:12	D	2.30
14	DATIA	SEONDHA	S-NPP	26.00293	78.64688	13:47:12	D	2.40
15	DATIA	SEONDHA	S-NPP	26.02178	78.65835	13:47:12	D	2.50
16	DATIA	SEONDHA	S-NPP	26.02332	78.65928	13:47:12	D	2.50
17	DATIA	SEONDHA	S-NPP	26.03153	78.65358	13:47:12	D	4.00
18	GWALIOR	BHITARWAR	S-NPP	25.71596	78.06484	13:47:12	D	9.10
19	GWALIOR	BHITARWAR	S-NPP	25.71643	78.06901	13:47:12	D	9.10
20	GWALIOR	BHITARWAR	S-NPP	25.72070	78.10671	13:47:12	D	3.80
21	GWALIOR	BHITARWAR	S-NPP	25.72487	78.10614	13:47:12	D	3.80
22	GWALIOR	BHITARWAR	S-NPP	25.72630	78.11874	13:47:12	D	2.80
23	GWALIOR	BHITARWAR	S-NPP	25.72893	78.06735	13:47:12	D	3.60
24	GWALIOR	BHITARWAR	S-NPP	25.72940	78.07152	13:47:12	D	10.60
25	GWALIOR	BHITARWAR	S-NPP	25.72988	78.07569	13:47:12	D	10.60
26	GWALIOR	BHITARWAR	S-NPP	25.73036	78.07986	13:47:12	D	12.10
27	GWALIOR	BHITARWAR	S-NPP	25.74048	78.05743	13:47:12	D	2.30
28	GWALIOR	BHITARWAR	S-NPP	25.74178	78.03200	13:47:12	D	2.10
29	GWALIOR	BHITARWAR	S-NPP	25.74225	78.03615	13:47:12	D	1.90

30	GWALIOR	BHITARWAR	S-NPP	25.74254	78.11230	13:47:12	D	5.30
31	GWALIOR	BHITARWAR	S-NPP	25.74381	78.03654	13:47:12	D	2.30
32	GWALIOR	BHITARWAR	S-NPP	25.74800	78.08598	13:47:12	D	8.20
33	GWALIOR	BHITARWAR	S-NPP	25.74833	78.05219	13:47:12	D	3.70
34	GWALIOR	BHITARWAR	S-NPP	25.74922	78.08648	13:47:12	D	11.80
35	GWALIOR	BHITARWAR	S-NPP	25.74978	78.05261	13:47:12	D	4.30
36	GWALIOR	BHITARWAR	S-NPP	25.75216	78.08543	13:47:12	D	4.90
37	GWALIOR	BHITARWAR	S-NPP	25.75476	78.09852	13:47:12	D	5.10
38	GWALIOR	BHITARWAR	S-NPP	25.75712	78.08121	13:47:12	D	3.00
39	GWALIOR	BHITARWAR	S-NPP	25.75731	78.09326	13:47:12	D	7.70
40	GWALIOR	BHITARWAR	S-NPP	25.75779	78.09745	13:47:12	D	7.70
41	GWALIOR	BHITARWAR	S-NPP	25.75827	78.10164	13:47:12	D	8.20
42	GWALIOR	BHITARWAR	S-NPP	25.75848	78.09377	13:47:12	D	8.90
43	GWALIOR	BHITARWAR	S-NPP	25.75894	78.09797	13:47:12	D	8.90
44	GWALIOR	BHITARWAR	S-NPP	25.75940	78.10217	13:47:12	D	4.50
45	GWALIOR	BHITARWAR	S-NPP	25.76084	78.07651	13:47:12	D	3.00
46	GWALIOR	BHITARWAR	S-NPP	25.76175	78.08484	13:47:12	D	3.50
47	GWALIOR	BHITARWAR	S-NPP	25.76592	78.08430	13:47:12	D	5.40
48	GWALIOR	BHITARWAR	S-NPP	25.76638	78.08849	13:47:12	D	5.40
49	GWALIOR	BHITARWAR	S-NPP	25.77096	78.13051	13:47:12	D	6.30
50	GWALIOR	BHITARWAR	S-NPP	25.77142	78.13474	13:47:12	D	10.20
51	GWALIOR	BHITARWAR	S-NPP	25.80756	78.00268	13:47:12	D	4.20
52	GWALIOR	BHITARWAR	S-NPP	25.80803	78.00683	13:47:12	D	4.20
53	GWALIOR	BHITARWAR	S-NPP	25.81090	78.06984	13:47:12	D	2.60
54	GWALIOR	BHITARWAR	S-NPP	25.81376	78.13337	13:47:12	D	3.70
55	GWALIOR	BHITARWAR	S-NPP	25.82057	78.04310	13:47:12	D	5.00
56	GWALIOR	BHITARWAR	S-NPP	25.82190	78.01758	13:47:12	D	3.90
57	GWALIOR	BHITARWAR	S-NPP	25.82417	78.00041	13:47:12	D	7.30
58	GWALIOR	BHITARWAR	S-NPP	25.82843	78.03783	13:47:12	D	3.40
59	GWALIOR	BHITARWAR	S-NPP	25.83080	78.05869	13:47:12	D	7.50
60	GWALIOR	BHITARWAR	S-NPP	25.83202	78.18249	13:47:12	D	5.00
61	GWALIOR	BHITARWAR	S-NPP	25.84670	77.97638	13:47:12	D	7.80
62	GWALIOR	BHITARWAR	S-NPP	25.84804	77.97626	13:47:12	D	7.70

63	GWALIOR	BHITARWAR	S-NPP	25.87000	78.10047	13:47:12	D	3.60
64	GWALIOR	BHITARWAR	S-NPP	25.87199	78.00249	13:47:12	D	3.70
65	GWALIOR	BHITARWAR	S-NPP	25.87244	78.00665	13:47:12	D	3.70
66	GWALIOR	BHITARWAR	S-NPP	25.88627	78.09401	13:47:12	D	3.30
67	GWALIOR	BHITARWAR	S-NPP	25.89973	78.06229	13:47:12	D	2.00
68	GWALIOR	BHITARWAR	S-NPP	25.93063	78.22590	13:47:12	D	7.10
69	GWALIOR	BHITARWAR	S-NPP	25.93407	78.06622	13:47:12	D	1.80
70	GWALIOR	BHITARWAR	S-NPP	25.94147	78.05671	13:47:12	D	2.00
71	GWALIOR	BHITARWAR	S-NPP	25.95766	78.03795	13:47:12	D	5.40
72	GWALIOR	BHITARWAR	S-NPP	25.96042	78.03717	13:47:12	D	4.20
73	GWALIOR	BHITARWAR	S-NPP	25.97298	78.14669	13:47:12	D	3.30
74	GWALIOR	BHITARWAR	S-NPP	25.97366	78.14713	13:47:12	D	3.90
75	GWALIOR	BHITARWAR	S-NPP	25.97395	78.15520	13:47:12	D	2.50
76	GWALIOR	BHITARWAR	S-NPP	25.97458	78.15564	13:47:12	D	2.60
77	GWALIOR	BHITARWAR	S-NPP	25.97832	78.19349	13:47:12	D	2.50
78	GWALIOR	BHITARWAR	S-NPP	25.98135	78.25904	13:47:12	D	11.00
79	GWALIOR	BHITARWAR	S-NPP	25.98141	78.25838	13:47:12	D	8.90
80	GWALIOR	BHITARWAR	S-NPP	26.00304	78.18206	13:47:12	D	2.50
81	GWALIOR	BHITARWAR	S-NPP	26.02596	78.19630	13:47:12	D	2.20
82	GWALIOR	BHITARWAR	AQUA	25.77300	77.99100	14:43:51	D	9.90
83	GWALIOR	BHITARWAR	AQUA	25.81000	78.12000	14:43:51	D	13.00
84	GWALIOR	BHITARWAR	AQUA	25.95900	78.22400	14:43:51	D	14.20
85	GWALIOR	BHITARWAR	AQUA	25.96100	78.13800	14:43:51	D	25.80
86	GWALIOR	DABRA	S-NPP	25.81427	78.17623	13:47:12	D	2.40
87	GWALIOR	DABRA	S-NPP	25.83400	78.23848	13:47:12	D	4.40
88	GWALIOR	DABRA	S-NPP	25.83917	78.24647	13:47:12	D	5.80
89	GWALIOR	DABRA	S-NPP	25.84108	78.26363	13:47:12	D	2.60
90	GWALIOR	DABRA	S-NPP	25.86137	78.29156	13:47:12	D	2.00
91	GWALIOR	DABRA	S-NPP	25.86185	78.29587	13:47:12	D	3.10
92	GWALIOR	DABRA	S-NPP	25.86448	78.24311	13:47:12	D	8.10
93	GWALIOR	DABRA	S-NPP	25.87296	78.24671	13:47:12	D	1.50
94	GWALIOR	DABRA	S-NPP	25.88232	78.25413	13:47:12	D	4.90
95	GWALIOR	DABRA	S-NPP	25.88282	78.25368	13:47:12	D	2.60

96	GWALIOR	DABRA	S-NPP	25.88845	78.23157	13:47:12	D	2.30
97	GWALIOR	DABRA	S-NPP	25.88927	78.31909	13:47:12	D	4.00
98	GWALIOR	DABRA	S-NPP	25.89077	78.25301	13:47:12	D	2.30
99	GWALIOR	DABRA	S-NPP	25.89546	78.25677	13:47:12	D	6.90
100	GWALIOR	DABRA	S-NPP	25.89968	78.25621	13:47:12	D	5.70
101	GWALIOR	DABRA	S-NPP	25.90529	78.30817	13:47:12	D	2.60
102	GWALIOR	DABRA	S-NPP	25.90719	78.24645	13:47:12	D	4.90
103	GWALIOR	DABRA	S-NPP	25.94615	78.25001	13:47:12	D	11.50
104	GWALIOR	DABRA	S-NPP	25.96754	78.32632	13:47:12	D	1.80
105	GWALIOR	DABRA	S-NPP	25.96824	78.25578	13:47:12	D	5.10
106	GWALIOR	DABRA	S-NPP	25.96872	78.26009	13:47:12	D	5.10
107	GWALIOR	DABRA	S-NPP	25.97310	78.29909	13:47:12	D	10.20
108	GWALIOR	DABRA	S-NPP	25.97359	78.30344	13:47:12	D	10.20
109	GWALIOR	DABRA	S-NPP	25.97864	78.27192	13:47:12	D	5.30
110	GWALIOR	DABRA	AQUA	25.83600	78.24600	14:43:51	D	14.60
111	GWALIOR	DABRA	AQUA	25.89500	78.25600	14:43:51	D	17.40
112	GWALIOR	DABRA	AQUA	25.96000	78.24200	14:43:51	D	13.40
113	GWALIOR	GWALIOR	S-NPP	25.91448	77.78445	13:47:12	D	2.70
114	GWALIOR	GWALIOR	S-NPP	26.23068	78.35320	13:47:12	D	1.70
115	GWALIOR	GWALIOR	S-NPP	26.24295	78.46880	13:47:12	D	2.60
116	GWALIOR	GWALIOR	S-NPP	26.32435	78.35515	13:47:12	D	5.90
117	HOSHANGABAD	BABAI	S-NPP	22.78335	77.80758	13:47:12	D	7.30
118	HOSHANGABAD	BANKHERI	S-NPP	22.89767	78.48137	13:47:12	D	5.90
119	HOSHANGABAD	BANKHERI	S-NPP	22.91916	78.50304	02:37:12	N	0.30
120	HOSHANGABAD	PIPARIYA	S-NPP	22.73195	78.44609	13:47:12	D	3.20
121	HOSHANGABAD	PIPARIYA	S-NPP	22.80719	78.31445	13:47:12	D	2.50
122	HOSHANGABAD	PIPARIYA	S-NPP	22.87449	78.39240	13:47:12	D	5.00
123	HOSHANGABAD	PIPARIYA	S-NPP	22.87590	78.40415	13:47:12	D	2.20
124	HOSHANGABAD	PIPARIYA	S-NPP	22.89596	78.33763	13:47:12	D	3.20
125	HOSHANGABAD	SOHAGPUR	S-NPP	22.71638	78.27869	13:47:12	D	2.70
126	HOSHANGABAD	SOHAGPUR	S-NPP	22.76698	78.18654	13:47:12	D	1.50
127	HOSHANGABAD	SOHAGPUR	S-NPP	22.80990	78.23196	13:47:12	D	3.80
128	HOSHANGABAD	SOHAGPUR	S-NPP	22.85108	78.24136	02:37:12	N	1.20

129	HOSHANGABAD	SOHAGPUR	S-NPP	22.86994	78.20586	02:37:12	N	0.30
130	JABALPUR	JABALPUR	S-NPP	22.99780	79.90093	13:47:12	D	1.80
131	JABALPUR	JABALPUR	S-NPP	23.08271	80.00508	13:47:12	D	3.10
132	JABALPUR	JABALPUR	S-NPP	23.08616	79.99466	13:47:12	D	4.00
133	JABALPUR	JABALPUR	S-NPP	23.16925	79.82722	13:47:12	D	1.80
134	JABALPUR	JABALPUR	S-NPP	23.24394	79.90908	13:47:12	D	6.20
135	JABALPUR	JABALPUR	S-NPP	23.25669	79.85783	13:47:12	D	4.90
136	JABALPUR	JABALPUR	S-NPP	23.25723	79.86271	13:47:12	D	8.60
137	JABALPUR	JABALPUR	S-NPP	23.27913	79.89482	13:47:12	D	20.60
138	JABALPUR	JABALPUR	S-NPP	23.28000	79.89623	13:47:12	D	26.90
139	JABALPUR	JABALPUR	S-NPP	23.31100	79.97272	13:47:12	D	3.40
140	JABALPUR	JABALPUR	S-NPP	23.35923	79.90655	13:47:12	D	4.90
141	JABALPUR	JABALPUR	S-NPP	23.36246	79.93623	13:47:12	D	2.50
142	JABALPUR	JABALPUR	S-NPP	23.37286	79.90490	13:47:12	D	3.90
143	JABALPUR	JABALPUR	S-NPP	23.38012	79.92908	13:47:12	D	4.40
144	JABALPUR	JABALPUR	AQUA	23.03800	79.91000	14:43:51	D	14.10
145	JABALPUR	JABALPUR	AQUA	23.22700	79.85400	14:43:51	D	28.90
146	JABALPUR	JABALPUR	AQUA	23.28200	79.86100	14:43:51	D	11.10
147	JABALPUR	JABALPUR	AQUA	23.31800	79.95900	14:43:51	D	15.80
148	JABALPUR	JABALPUR	AQUA	23.32000	79.98000	14:43:51	D	16.60
149	JABALPUR	MAJHOULI	S-NPP	23.38449	79.96884	13:47:12	D	5.50
150	JABALPUR	MAJHOULI	S-NPP	23.39727	79.95435	13:47:12	D	6.50
151	JABALPUR	MAJHOULI	S-NPP	23.40107	79.95170	13:47:12	D	6.50
152	JABALPUR	MAJHOULI	S-NPP	23.40182	79.95380	13:47:12	D	6.50
153	JABALPUR	MAJHOULI	AQUA	23.38300	79.96700	14:43:51	D	16.30
154	JABALPUR	PATAN	S-NPP	23.19238	79.85580	13:47:12	D	3.60
155	JABALPUR	PATAN	S-NPP	23.19290	79.86068	13:47:12	D	9.80
156	JABALPUR	PATAN	S-NPP	23.19741	79.86012	13:47:12	D	9.80
157	JABALPUR	PATAN	S-NPP	23.19865	79.78620	13:47:12	D	1.70
158	JABALPUR	PATAN	S-NPP	23.20193	79.85956	13:47:12	D	8.70
159	JABALPUR	PATAN	S-NPP	23.20280	79.82493	13:47:12	D	3.60
160	JABALPUR	PATAN	S-NPP	23.20315	79.78564	13:47:12	D	2.30
161	JABALPUR	PATAN	S-NPP	23.20731	79.82438	13:47:12	D	5.20

162	JABALPUR	PATAN	S-NPP	23.20797	79.74602	13:47:12	D	2.90
163	JABALPUR	PATAN	S-NPP	23.21275	79.70654	13:47:12	D	4.70
164	JABALPUR	PATAN	S-NPP	23.21908	79.68168	13:47:12	D	3.10
165	JABALPUR	PATAN	S-NPP	23.22223	79.71025	13:47:12	D	3.40
166	JABALPUR	PATAN	S-NPP	23.22505	79.86168	13:47:12	D	3.00
167	JABALPUR	PATAN	S-NPP	23.22827	79.80707	13:47:12	D	4.20
168	JABALPUR	PATAN	S-NPP	23.23834	79.81567	13:47:12	D	8.00
169	JABALPUR	PATAN	S-NPP	23.24284	79.81511	13:47:12	D	8.20
170	JABALPUR	PATAN	S-NPP	23.25838	79.74953	13:47:12	D	2.20
171	JABALPUR	PATAN	S-NPP	23.26121	79.85728	13:47:12	D	4.90
172	JABALPUR	PATAN	S-NPP	23.26357	79.83720	13:47:12	D	2.20
173	JABALPUR	PATAN	S-NPP	23.27423	79.75378	13:47:12	D	19.10
174	JABALPUR	PATAN	S-NPP	23.27687	79.75214	13:47:12	D	19.60
175	JABALPUR	PATAN	S-NPP	23.27742	79.75696	13:47:12	D	19.60
176	JABALPUR	PATAN	S-NPP	23.27872	79.75323	13:47:12	D	15.40
177	JABALPUR	PATAN	S-NPP	23.29927	79.77517	13:47:12	D	5.40
178	JABALPUR	PATAN	S-NPP	23.30186	79.79941	13:47:12	D	7.50
179	JABALPUR	PATAN	S-NPP	23.30257	79.72103	13:47:12	D	12.60
180	JABALPUR	PATAN	S-NPP	23.30879	79.77889	13:47:12	D	7.20
181	JABALPUR	PATAN	S-NPP	23.32009	79.84160	13:47:12	D	2.60
182	JABALPUR	PATAN	AQUA	23.22500	79.83400	14:43:51	D	15.60
183	JABALPUR	PATAN	AQUA	23.28000	79.84100	14:43:51	D	20.40
184	JABALPUR	PATAN	AQUA	23.29300	79.71900	14:43:51	D	16.20
185	JABALPUR	SAHPURA	S-NPP	23.15390	79.57988	13:47:12	D	4.00
186	JABALPUR	SAHPURA	S-NPP	23.16617	79.78045	13:47:12	D	1.70
187	JABALPUR	SAHPURA	S-NPP	23.17583	79.65821	13:47:12	D	4.70
188	JABALPUR	SAHPURA	S-NPP	23.18414	79.77823	13:47:12	D	6.10
189	JABALPUR	SAHPURA	S-NPP	23.18568	79.79271	13:47:12	D	4.00
190	JABALPUR	SAHPURA	S-NPP	23.19555	79.75729	13:47:12	D	3.90
191	JABALPUR	SAHPURA	S-NPP	23.19657	79.64125	13:47:12	D	4.30
192	JABALPUR	SAHPURA	AQUA	23.18600	79.70000	14:43:51	D	13.90
193	JABALPUR	SIHORA	S-NPP	23.35330	80.11011	13:47:12	D	3.30
194	JABALPUR	SIHORA	S-NPP	23.35791	80.10957	13:47:12	D	3.30

195	JABALPUR	SIHORA	S-NPP	23.42744	80.20264	13:47:12	D	7.50
196	JABALPUR	SIHORA	S-NPP	23.42797	80.20781	13:47:12	D	7.50
197	JABALPUR	SIHORA	S-NPP	23.42900	80.20512	13:47:12	D	10.60
198	JABALPUR	SIHORA	S-NPP	23.44188	80.20613	13:47:12	D	8.40
199	JABALPUR	SIHORA	S-NPP	23.44241	80.21132	13:47:12	D	11.30
200	JABALPUR	SIHORA	S-NPP	23.44651	80.20558	13:47:12	D	8.40
201	JABALPUR	SIHORA	S-NPP	23.45213	80.08024	13:47:12	D	3.50
202	JABALPUR	SIHORA	S-NPP	23.45996	80.11024	13:47:12	D	3.00
203	JABALPUR	SIHORA	S-NPP	23.48377	80.07126	13:47:12	D	2.80
204	KATNI	BARBARA	S-NPP	23.64072	80.59755	13:47:12	D	2.30
205	MANDLA	MANDLA	S-NPP	22.47626	80.35636	13:47:12	D	8.80
206	MANDLA	MANDLA	S-NPP	22.47806	80.35950	13:47:12	D	9.50
207	MANDLA	MANDLA	S-NPP	22.55988	80.39312	13:47:12	D	6.30
208	MANDLA	NAINPUR	S-NPP	22.43462	80.13564	13:47:12	D	8.70
209	MANDLA	NAINPUR	S-NPP	22.46012	80.36682	13:47:12	D	3.10
210	NARSHIMAPURA	GADARWARA	S-NPP	22.89877	78.63189	13:47:12	D	3.30
211	NARSHIMAPURA	GOTECAON	S-NPP	22.98446	79.49052	13:47:12	D	14.10
212	NARSHIMAPURA	GOTECAON	AQUA	23.03500	79.53700	14:43:51	D	16.20
213	PANNA	PANNA	S-NPP	24.57611	80.29572	13:47:12	D	7.90
214	RAISEN	BARELI	S-NPP	22.85146	78.03330	13:47:12	D	4.80
215	RAISEN	BARELI	S-NPP	22.85223	78.03071	13:47:12	D	5.30
216	RAISEN	BARELI	S-NPP	22.88765	78.12419	13:47:12	D	2.30
217	RAISEN	BARELI	S-NPP	22.90421	78.09119	13:47:12	D	3.80
218	RAISEN	BARELI	S-NPP	22.90823	78.09063	13:47:12	D	3.80
219	RAISEN	BARELI	S-NPP	22.94532	78.01538	02:37:12	N	0.20
220	RAISEN	BARELI	S-NPP	22.96023	78.21799	02:37:12	N	0.30
221	RAISEN	BARELI	S-NPP	22.96532	78.05595	13:47:12	D	3.30
222	RAISEN	BARELI	S-NPP	22.96650	78.05555	13:47:12	D	3.90
223	RAISEN	BARELI	S-NPP	23.00613	78.32698	02:37:12	N	0.50
224	RAISEN	BARELI	S-NPP	23.04115	78.09900	13:47:12	D	3.80
225	RAISEN	GOHARGANJ	S-NPP	23.01724	77.64542	13:47:12	D	4.10
226	RAISEN	GOHARGANJ	S-NPP	23.01755	77.64271	13:47:12	D	5.20
227	RAISEN	GOHARGANJ	AQUA	23.03000	77.59100	14:43:51	D	13.00

228	RAISEN	RAISEN	S-NPP	23.37153	77.77419	13:47:12	D	2.90
229	RAISEN	RAISEN	S-NPP	23.37432	77.77712	13:47:12	D	5.90
230	RAISEN	UDAIPURA	S-NPP	23.02784	78.48023	13:47:12	D	6.00
231	RAISEN	UDAIPURA	S-NPP	23.05544	78.61146	13:47:12	D	3.90
232	RAISEN	UDAIPURA	S-NPP	23.17358	78.41491	02:37:12	N	0.30
233	REWA	TEONTHAR	S-NPP	24.93147	81.81755	13:47:12	D	2.30
234	REWA	TEONTHAR	S-NPP	24.97857	81.58017	13:47:12	D	2.50
235	REWA	TEONTHAR	S-NPP	24.97887	81.58352	13:47:12	D	4.10
236	REWA	TEONTHAR	S-NPP	24.98647	81.68504	02:37:12	N	0.60
237	REWA	TEONTHAR	S-NPP	25.02381	81.67441	13:47:12	D	4.50
238	REWA	TEONTHAR	S-NPP	25.04282	81.54298	13:47:12	D	3.10
239	REWA	TEONTHAR	S-NPP	25.05486	81.65807	13:47:12	D	2.50
240	SAGAR	REHLI	S-NPP	23.63356	79.16766	13:47:12	D	3.00
241	SATNA	AMARPATAN	S-NPP	24.50323	81.07819	13:47:12	D	8.30
242	SATNA	NAGOD	S-NPP	24.56551	80.57360	13:47:12	D	4.30
243	SATNA	NAGOD	S-NPP	24.63292	80.52872	13:47:12	D	2.90
244	SATNA	RAGURAJNAGAR	S-NPP	24.68379	80.65037	13:47:12	D	3.60
245	SATNA	UCHAHAR	S-NPP	24.39937	80.84206	13:47:12	D	6.80
246	SATNA	UCHAHAR	S-NPP	24.47811	80.76646	13:47:12	D	6.70
247	SEHORE	BUDHNI	S-NPP	22.93208	77.91779	13:47:12	D	3.60
248	SEHORE	BUDHNI	S-NPP	22.93217	77.95159	13:47:12	D	11.60
249	SEONI	GHANSAUR	S-NPP	22.76100	80.19899	13:47:12	D	3.90
250	SEONI	LAKHNADOU	S-NPP	22.41852	79.68298	13:47:12	D	4.10
251	SEONI	LAKHNADOU	S-NPP	22.56334	79.66146	13:47:12	D	2.40
252	SEONI	SEONI	S-NPP	22.11827	79.57797	13:47:12	D	3.00
253	SHEOPUR	SHEOPUR	S-NPP	25.67485	76.64202	13:47:12	D	2.70
254	SHIVPURI	KOLARAS	S-NPP	25.20451	77.62418	13:47:12	D	1.70
255	SHIVPURI	NARWAR	S-NPP	25.54377	78.13264	13:47:12	D	3.00
256	SHIVPURI	NARWAR	S-NPP	25.54503	78.13299	13:47:12	D	1.90
257	SHIVPURI	NARWAR	S-NPP	25.60457	78.28802	13:47:12	D	2.50
258	SHIVPURI	NARWAR	S-NPP	25.63171	78.26289	13:47:12	D	12.90
259	SHIVPURI	NARWAR	S-NPP	25.64464	78.10844	13:47:12	D	2.30
260	SHIVPURI	NARWAR	S-NPP	25.66133	78.18586	13:47:12	D	4.90

261	SHIVPURI	NARWAR	S-NPP	25.66165	78.18714	13:47:12	D	5.50
262	SHIVPURI	NARWAR	S-NPP	25.68823	78.11958	13:47:12	D	5.80
263	SHIVPURI	NARWAR	S-NPP	25.68909	78.01373	13:47:12	D	5.50
264	SHIVPURI	NARWAR	S-NPP	25.68956	78.01787	13:47:12	D	5.50
265	SHIVPURI	NARWAR	S-NPP	25.69191	78.07659	13:47:12	D	4.50
266	SHIVPURI	NARWAR	S-NPP	25.69471	78.10164	13:47:12	D	6.00
267	SHIVPURI	NARWAR	S-NPP	25.70029	78.11369	13:47:12	D	1.70
268	SHIVPURI	NARWAR	S-NPP	25.70071	78.07961	13:47:12	D	4.50
269	SHIVPURI	NARWAR	S-NPP	25.70126	78.16050	13:47:12	D	6.00
270	SHIVPURI	NARWAR	S-NPP	25.70258	78.09633	13:47:12	D	2.80
271	SHIVPURI	NARWAR	S-NPP	25.70446	78.11311	13:47:12	D	4.90
272	SHIVPURI	NARWAR	S-NPP	25.71274	78.07373	13:47:12	D	2.30
273	SHIVPURI	NARWAR	S-NPP	25.71314	78.03997	13:47:12	D	2.50
274	SHIVPURI	NARWAR	S-NPP	25.71690	78.07317	13:47:12	D	4.50
275	SHIVPURI	NARWAR	AQUA	25.68400	78.10800	14:43:51	D	21.30
276	VIDESHA	BASODA	S-NPP	23.95526	78.03139	13:47:12	D	2.50
277	VIDESHA	KORWAI	S-NPP	24.15795	77.93319	13:47:12	D	2.60
278	VIDESHA	VIDESHA	S-NPP	23.46902	77.95828	13:47:12	D	2.40
279	WEST NIMAR	BARWAH	S-NPP	22.16443	75.96576	13:47:12	D	1.70
280	WEST NIMAR	BARWAH	S-NPP	22.38425	75.95617	13:47:12	D	1.60
281	WEST NIMAR	KASRAWAD	S-NPP	21.96400	75.65748	13:47:12	D	3.40
282	WEST NIMAR	MAHESHWAR	S-NPP	22.21526	75.76226	13:47:12	D	2.20

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](#)
