

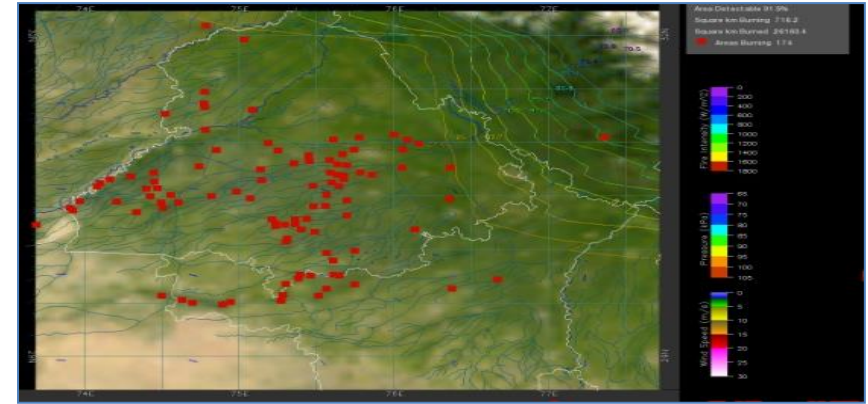
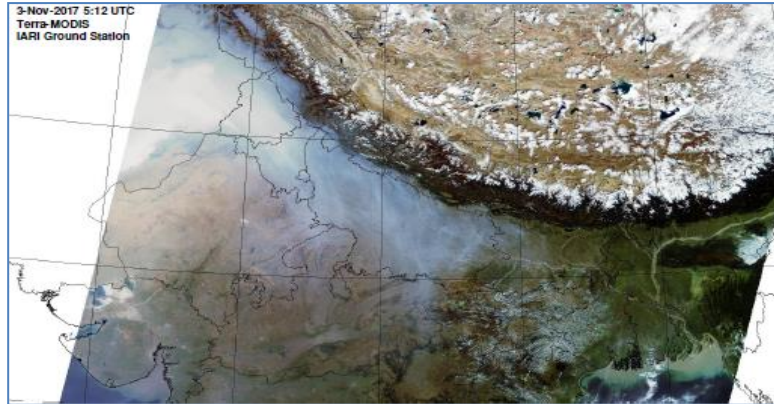


MONITORING PADDY RESIDUE BURNING IN INDIA USING SATELLITE REMOTE SENSING DURING 2024

**Bulletin
No. 46**

**Events Date:
30-Oct-2024**

**Issued on:
30-Oct-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

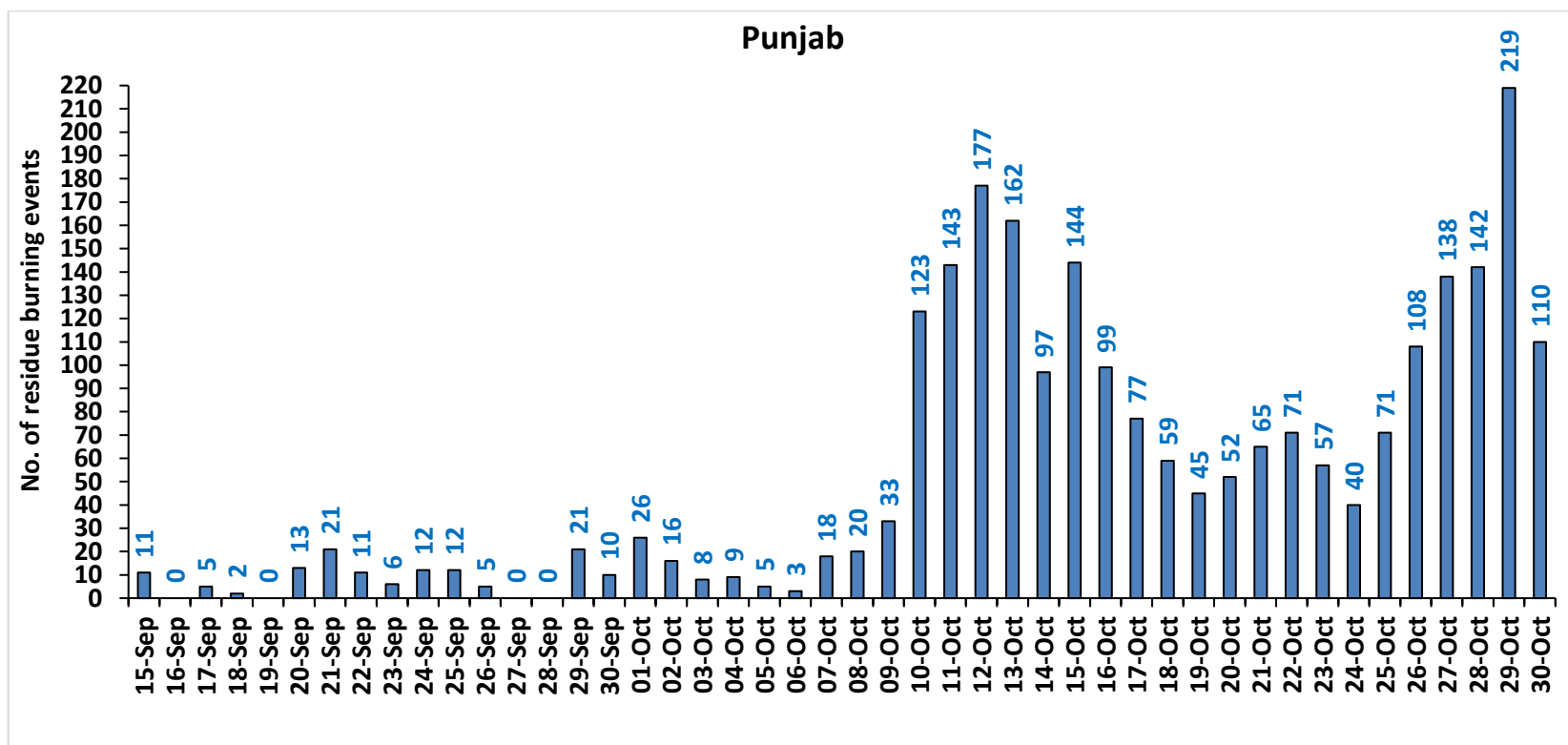
<https://creams.iari.res.in>

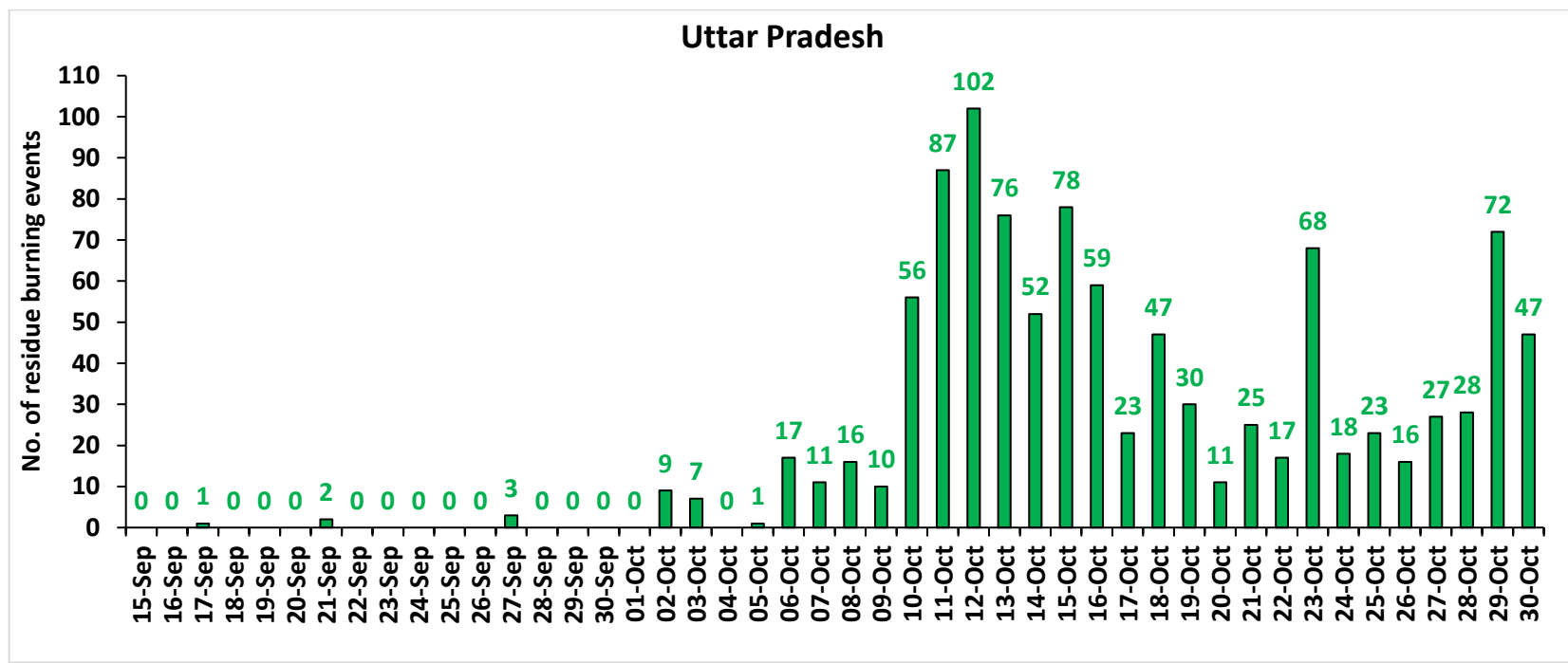
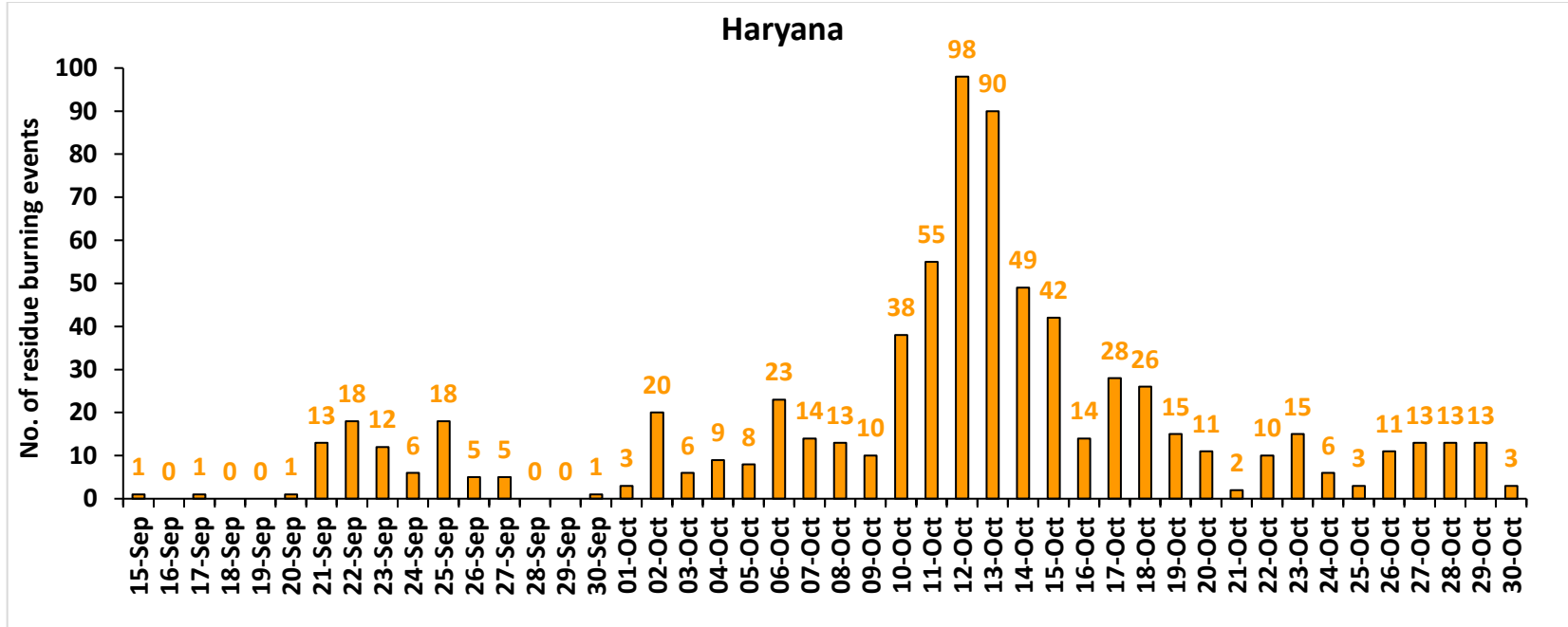


Highlights for 30-Oct-2024

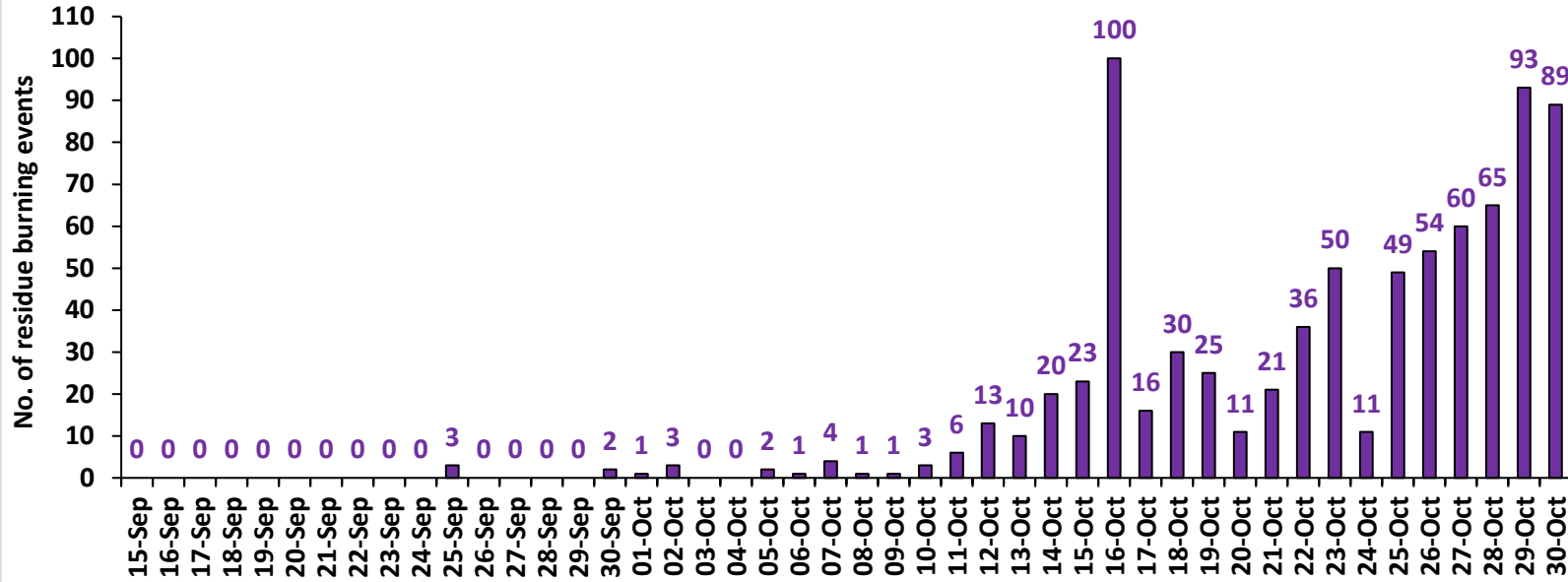
- The active fire events due to rice residue burning were monitored using satellite remote sensing, following the "Standard Protocol " recommended by CAQM.
- Satellites detected **380** residue burning events in the six study States on **30-Oct-2024**.
- The state wise events detected on **30-Oct-2024** were **110** in Punjab, **03** in Haryana, **47** in UP, **00** in Delhi, **89** in Rajasthan and **131** in MP.
- Total **6697** burning events were detected in the six states between **15-Sept-2024** and **30-Oct-2024**, which are distributed as **2466**, **742**, **1039**, **12**, **803** and **1635** in Punjab, Haryana, UP, Delhi, Rajasthan and MP, respectively.

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

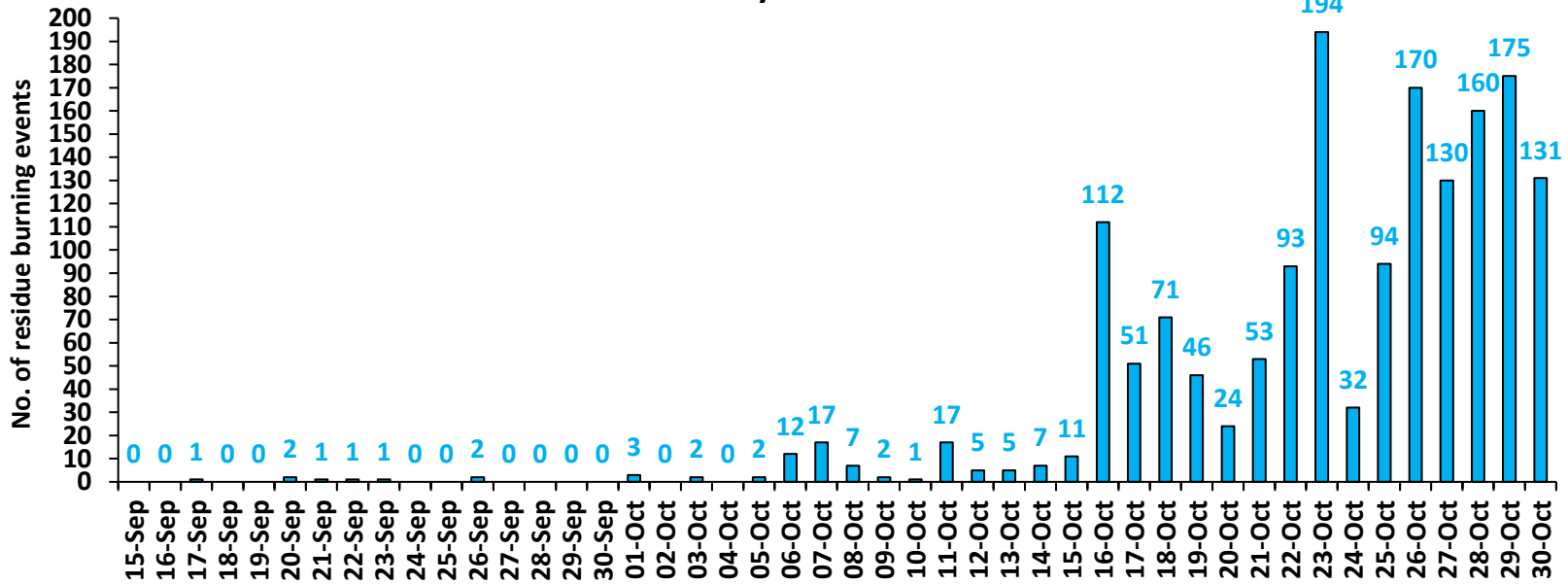




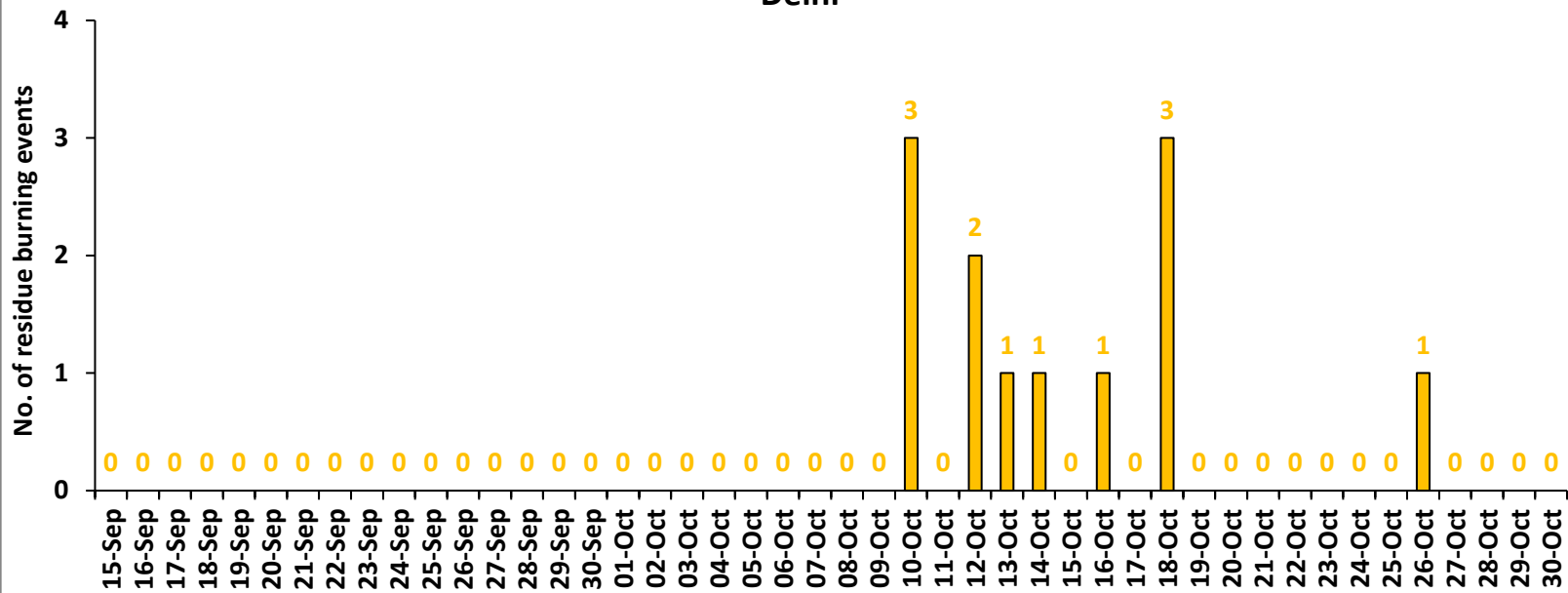
Rajasthan



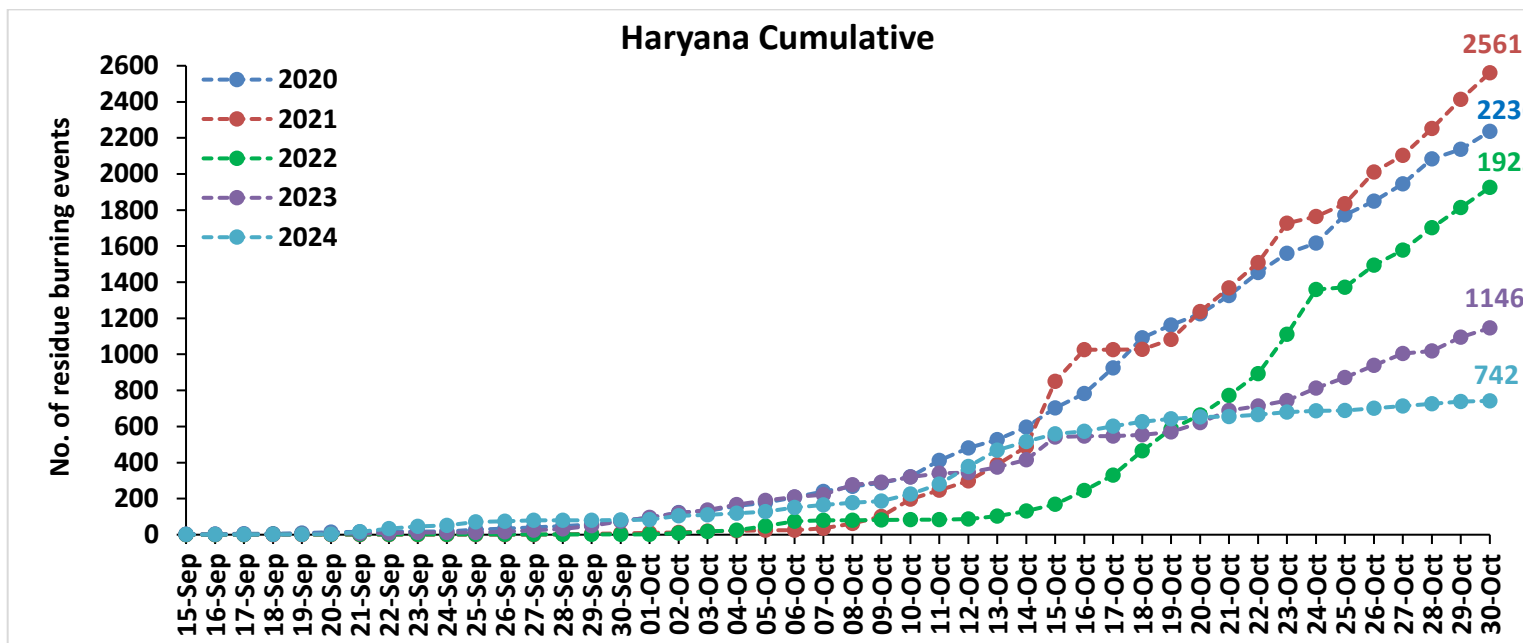
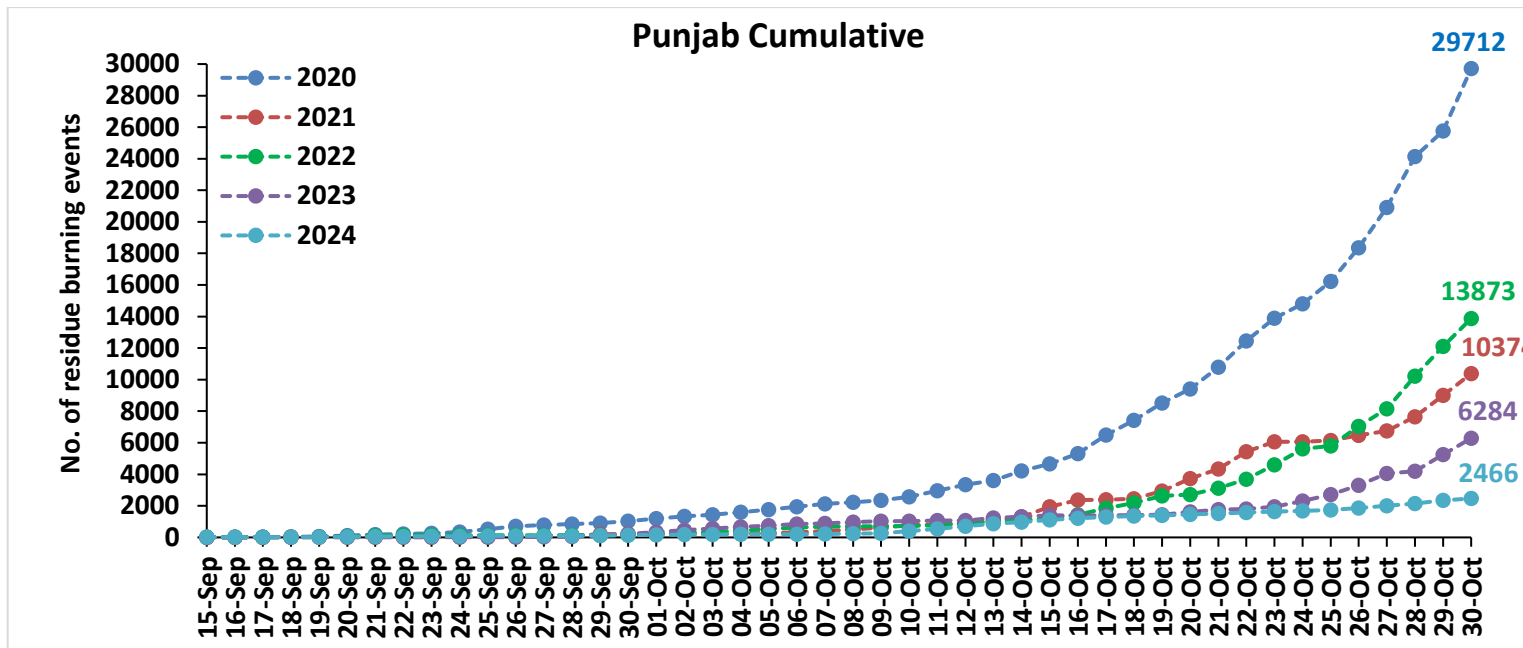
Madhya Pradesh

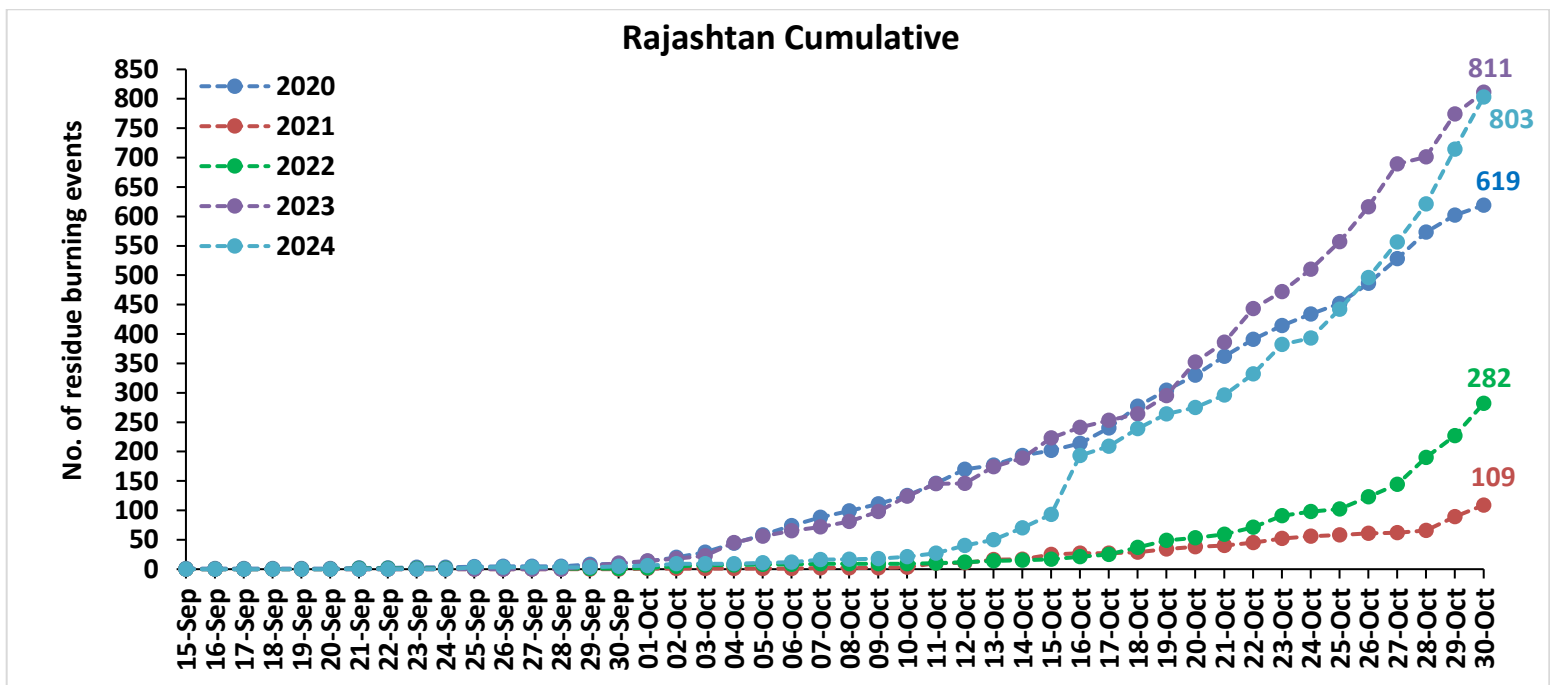
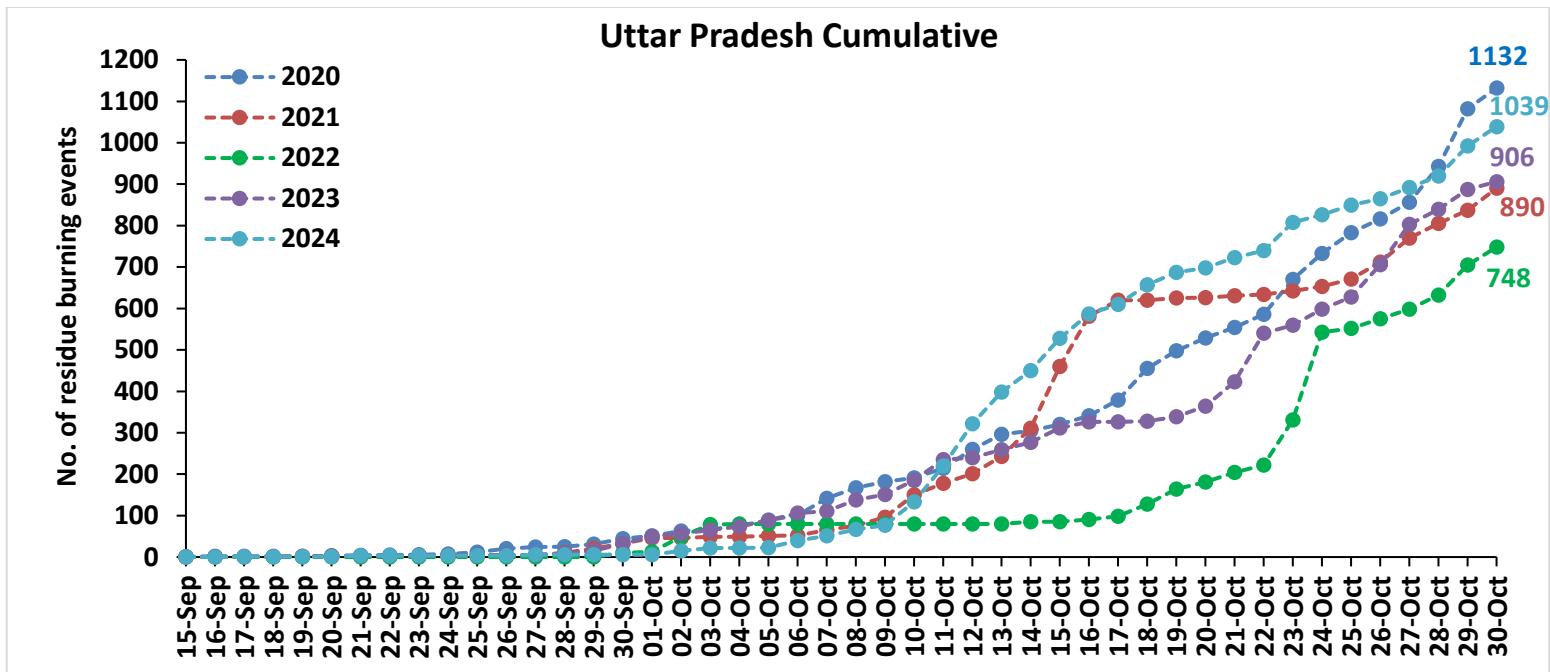


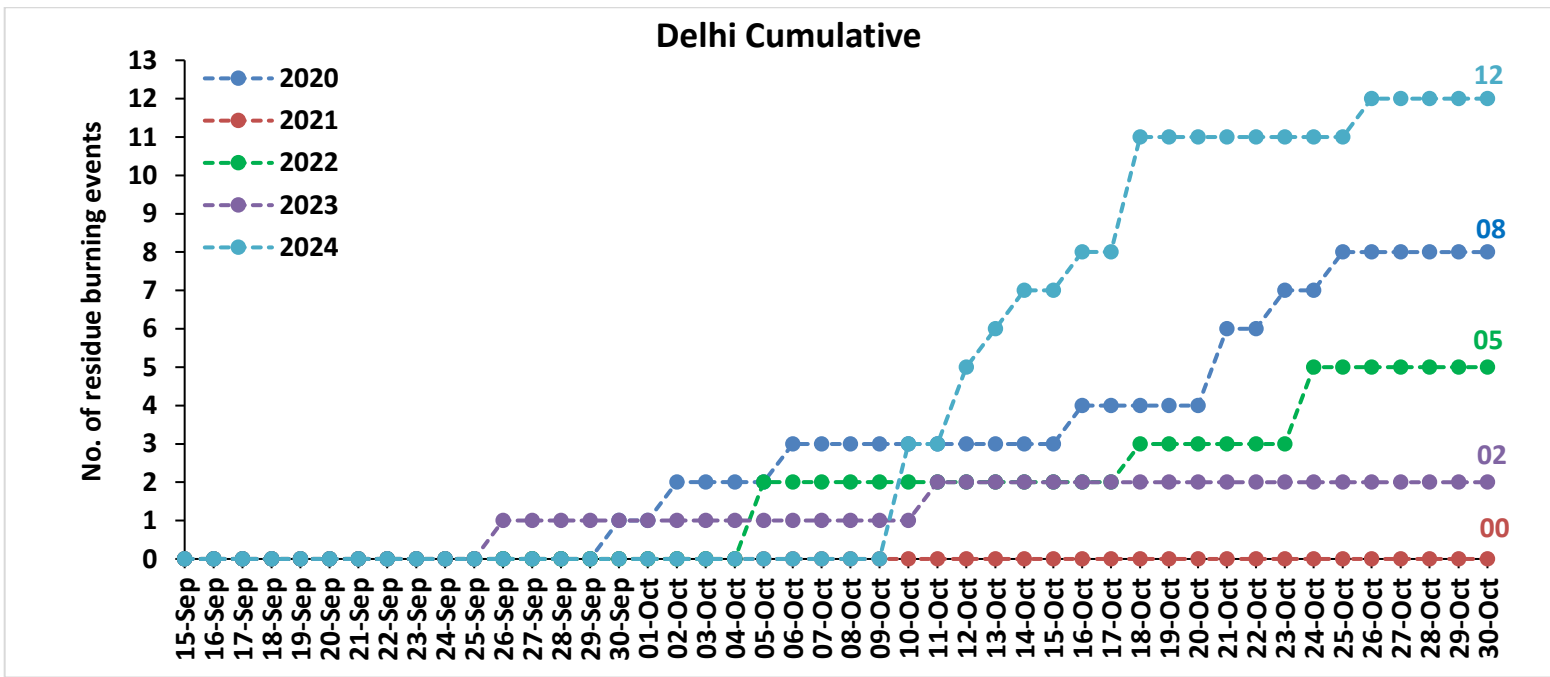
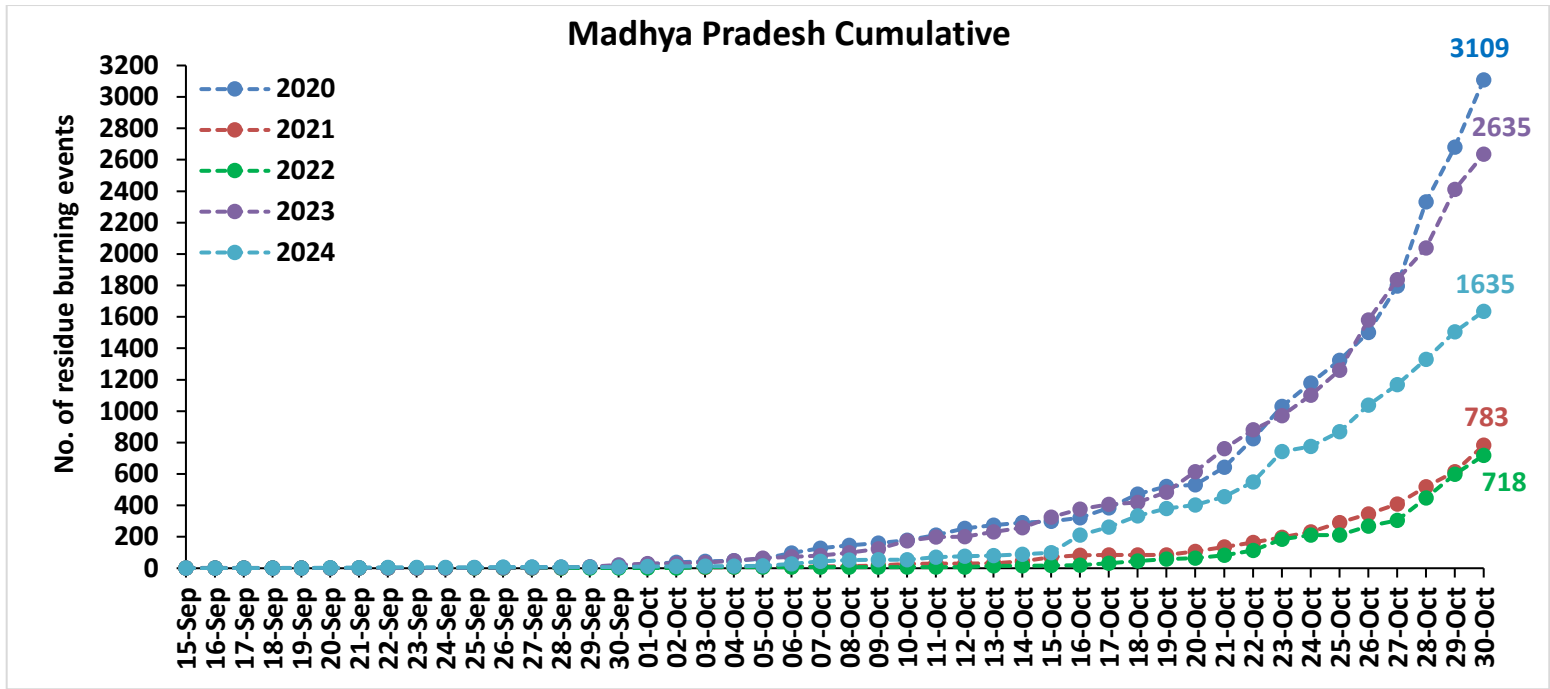
Delhi



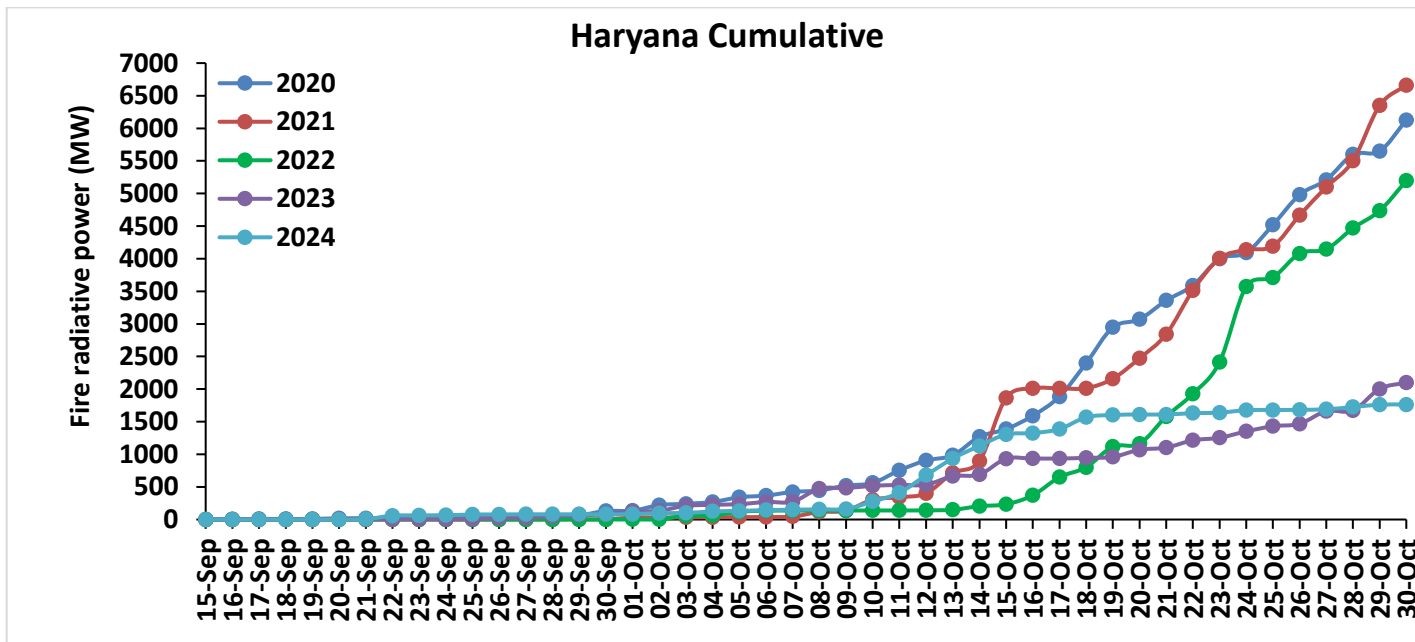
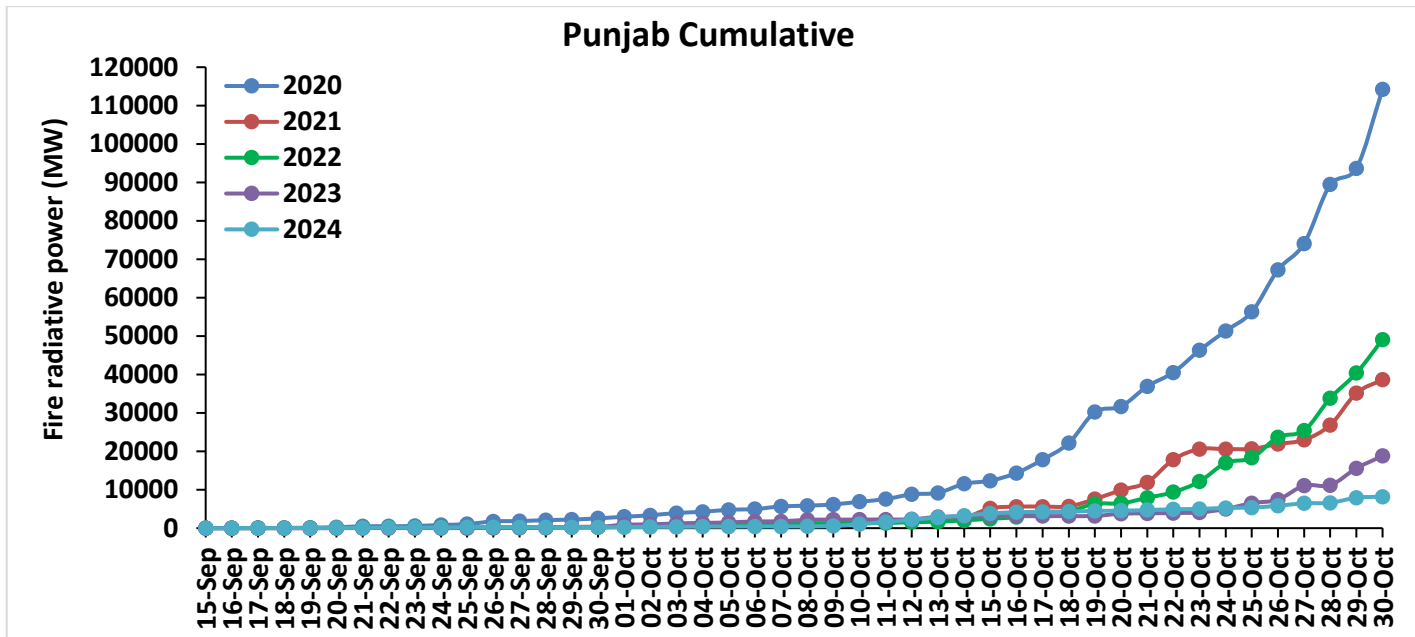
Comparison of residue burning events in current year (2024) with previous years (2020, 2021, 2022 and 2023) for the study States



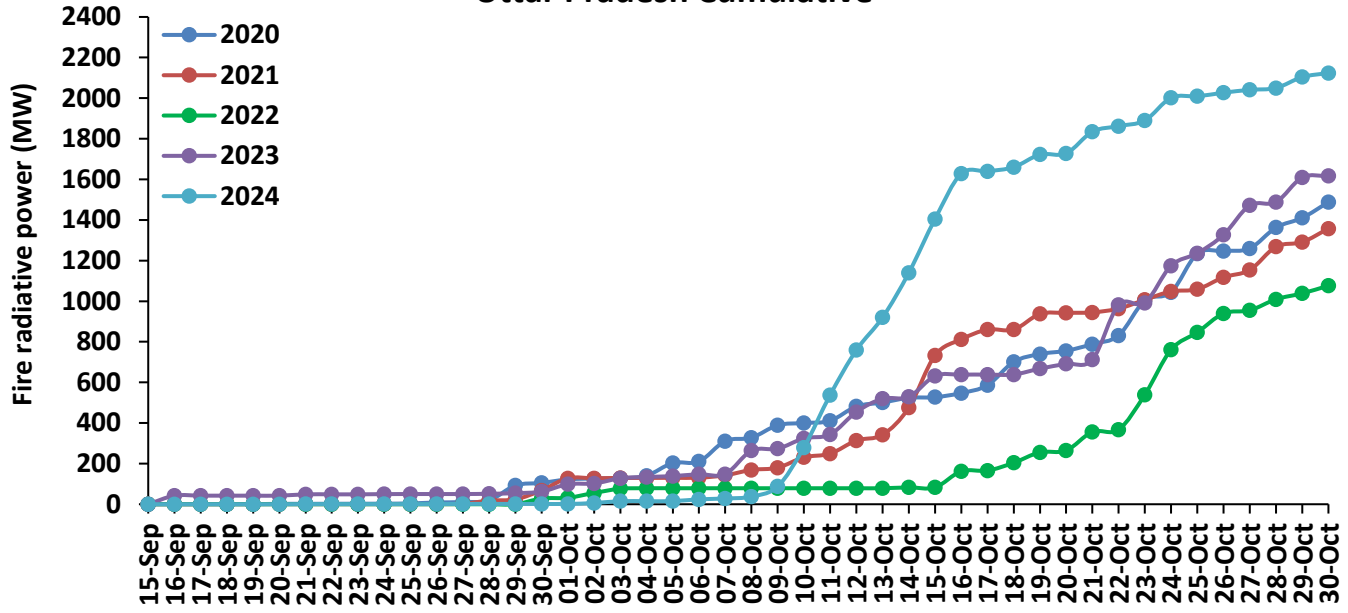




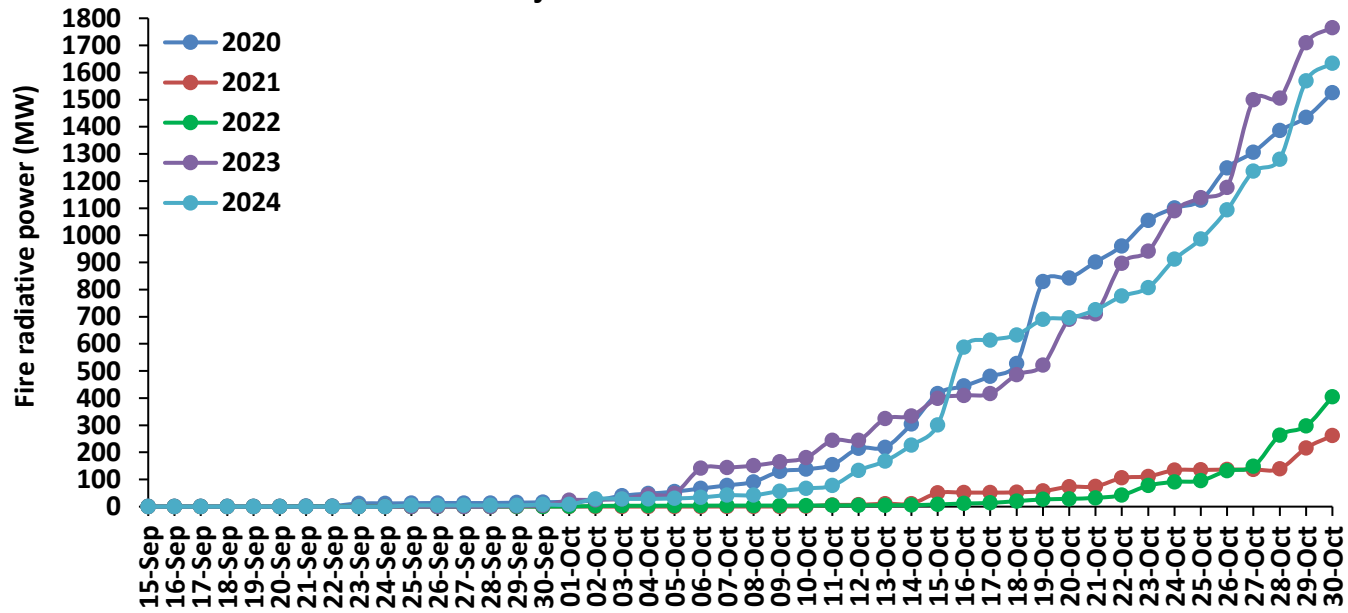
Comparison of residue burning fire power in current year (2024) with previous years (2020,2021,2022 and 2023) for the study States



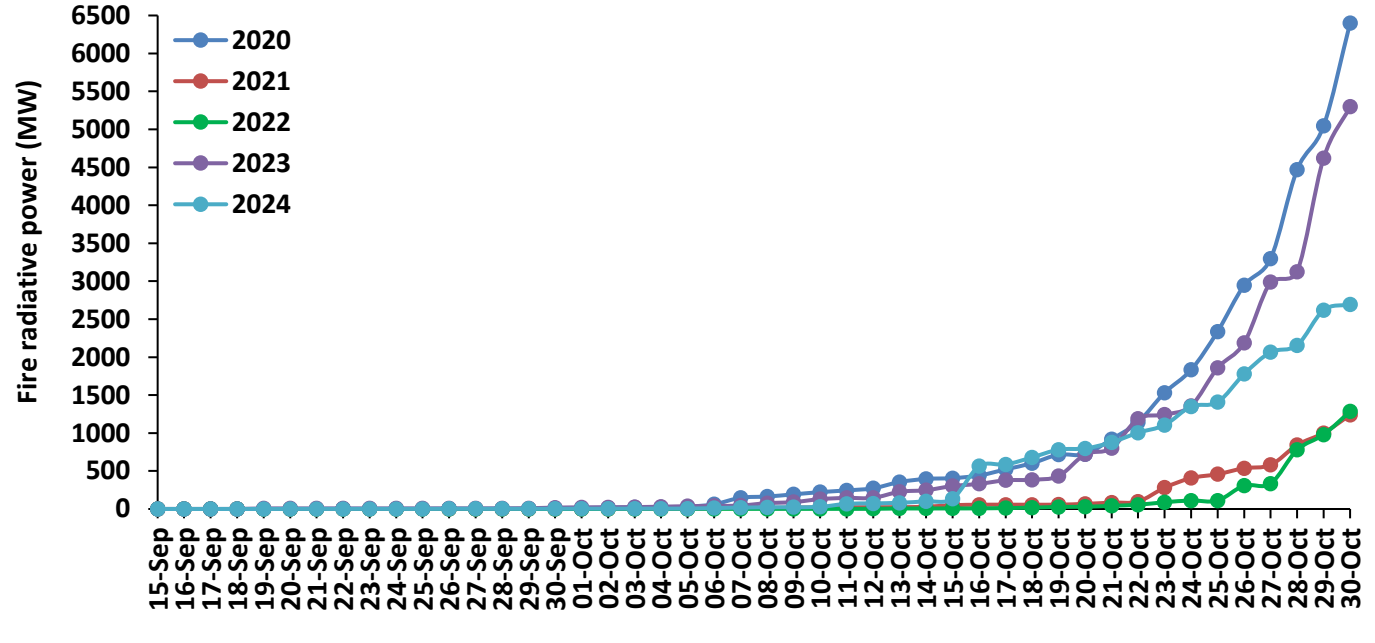
Uttar Pradesh Cumulative



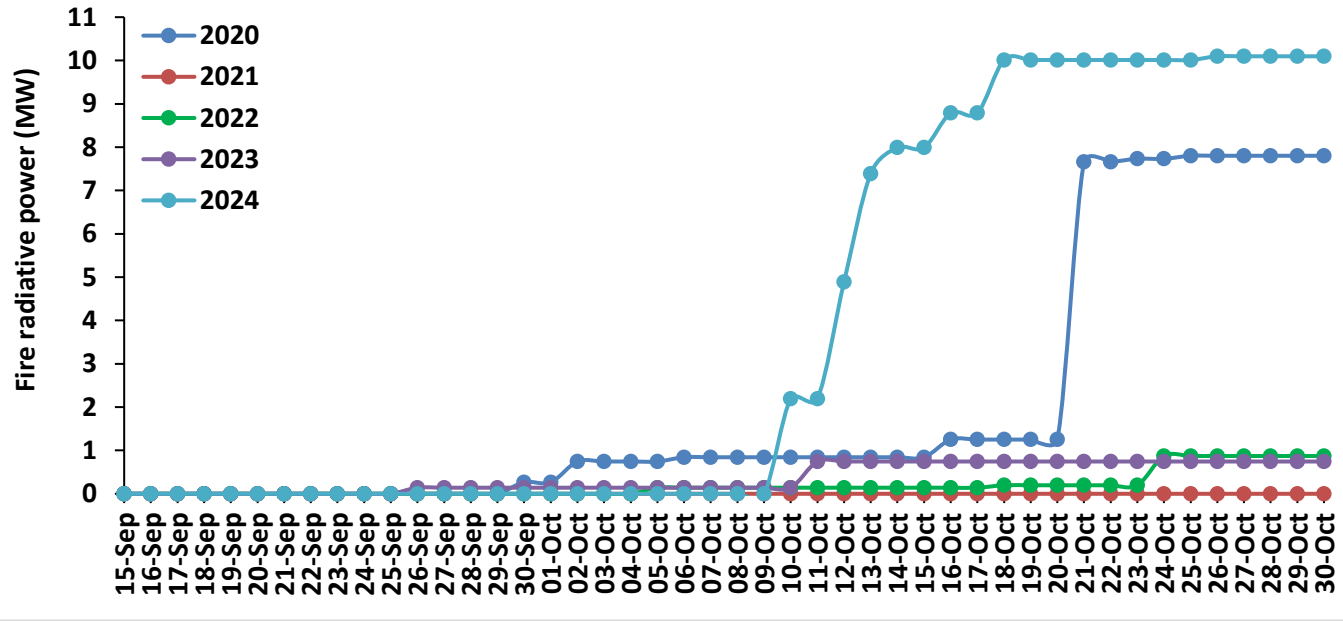
Rajasthan Cumulative



Madhya Pradesh Cumulative

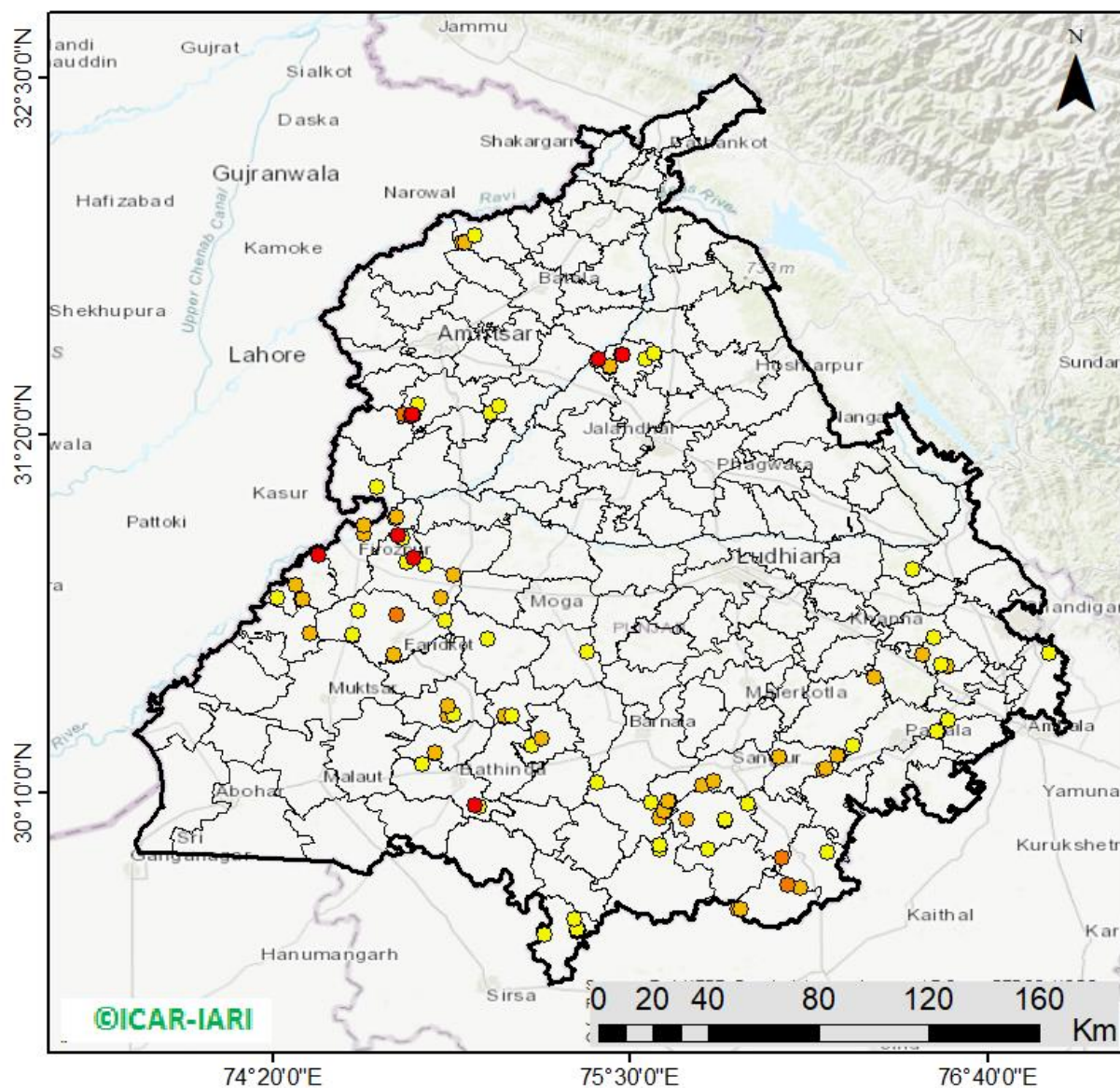


Delhi Cumulative



Punjab

RICE RESIDUE BURNING IN PUNJAB



110 burning events
detected in Punjab during
(30th Oct 2024)

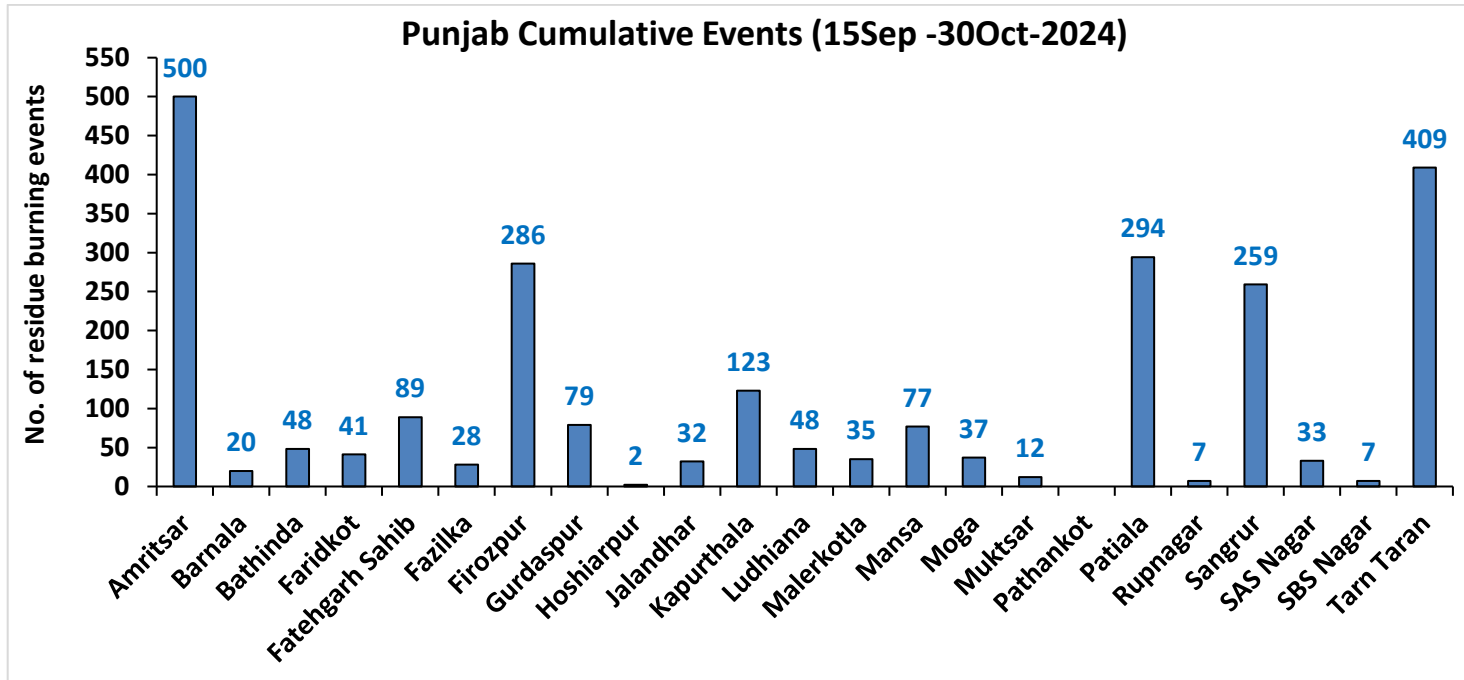
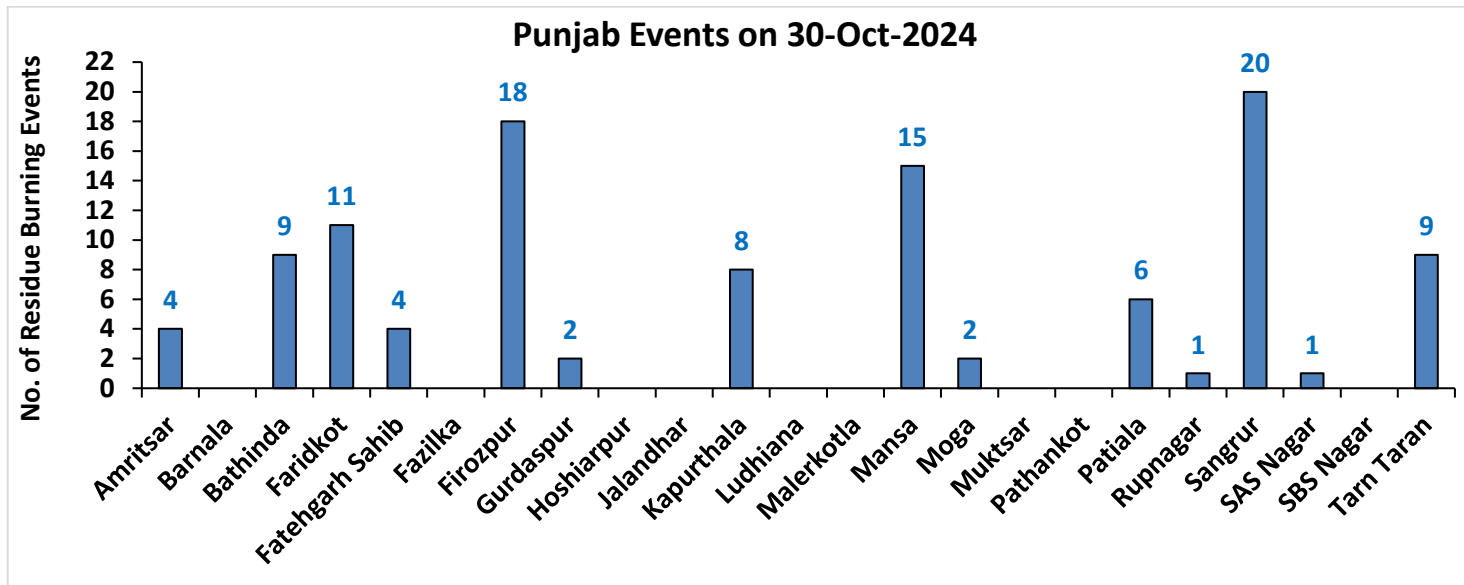
Fire Intensity (W/m²)

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



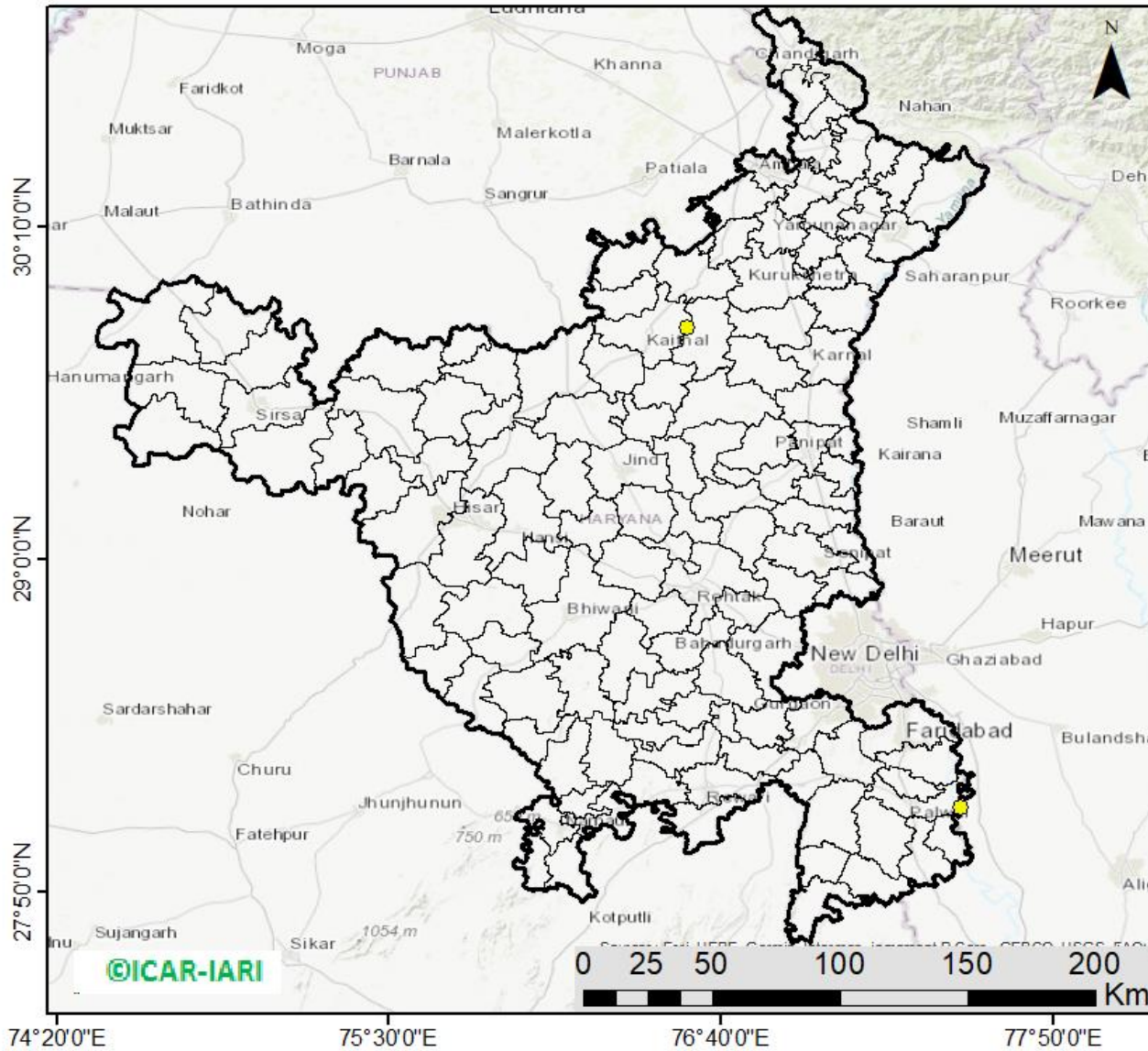
http://103.111.37.126/icar_geoportal/

District-wise cumulative number of residues burning events in Punjab (15Sep-30Oct-2024)



Haryana

RICE RESIDUE BURNING IN HARYANA



03 burning events detected in Haryana on (30th Oct 2024)

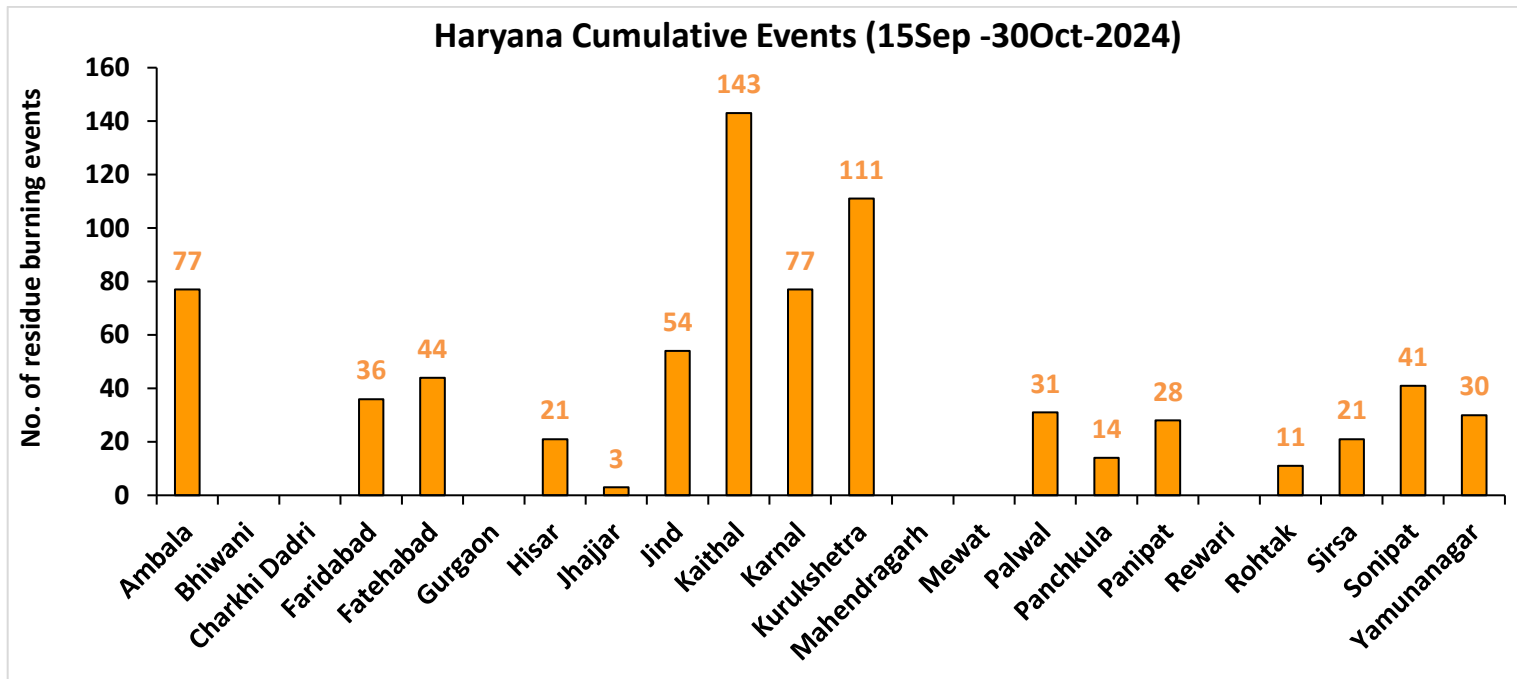
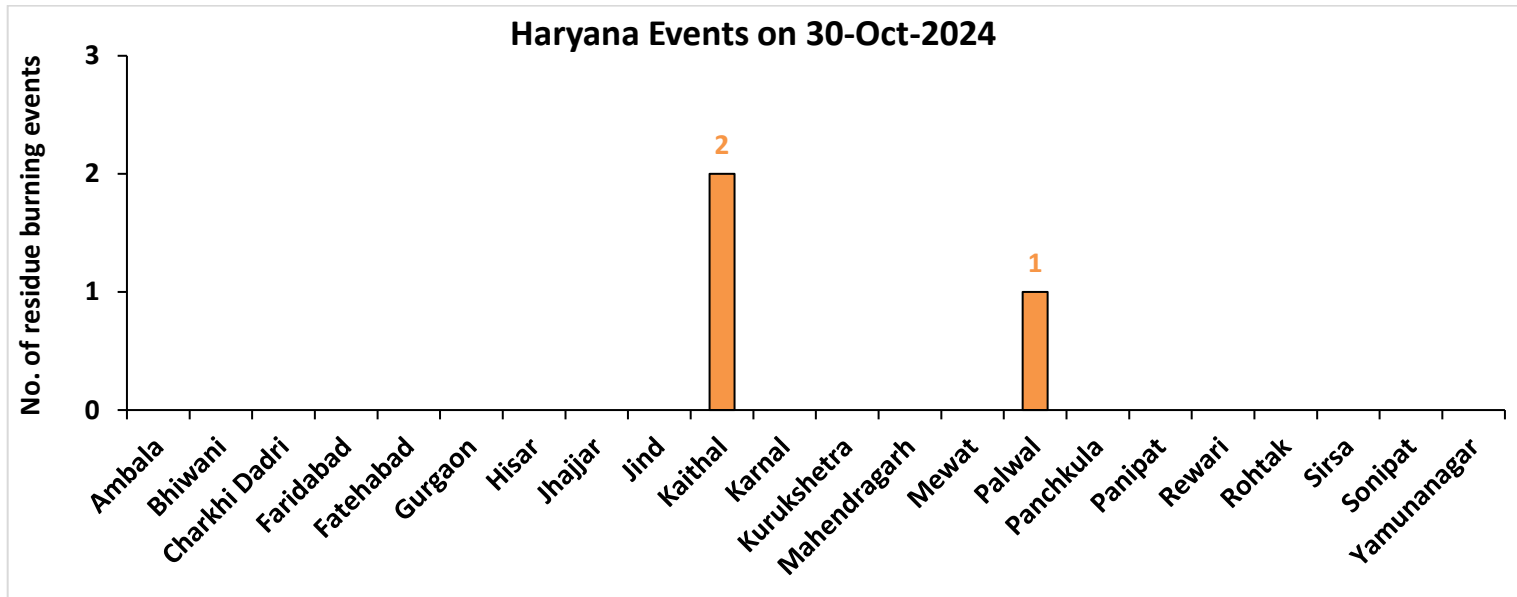
Fire Intensity (W/m²)

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



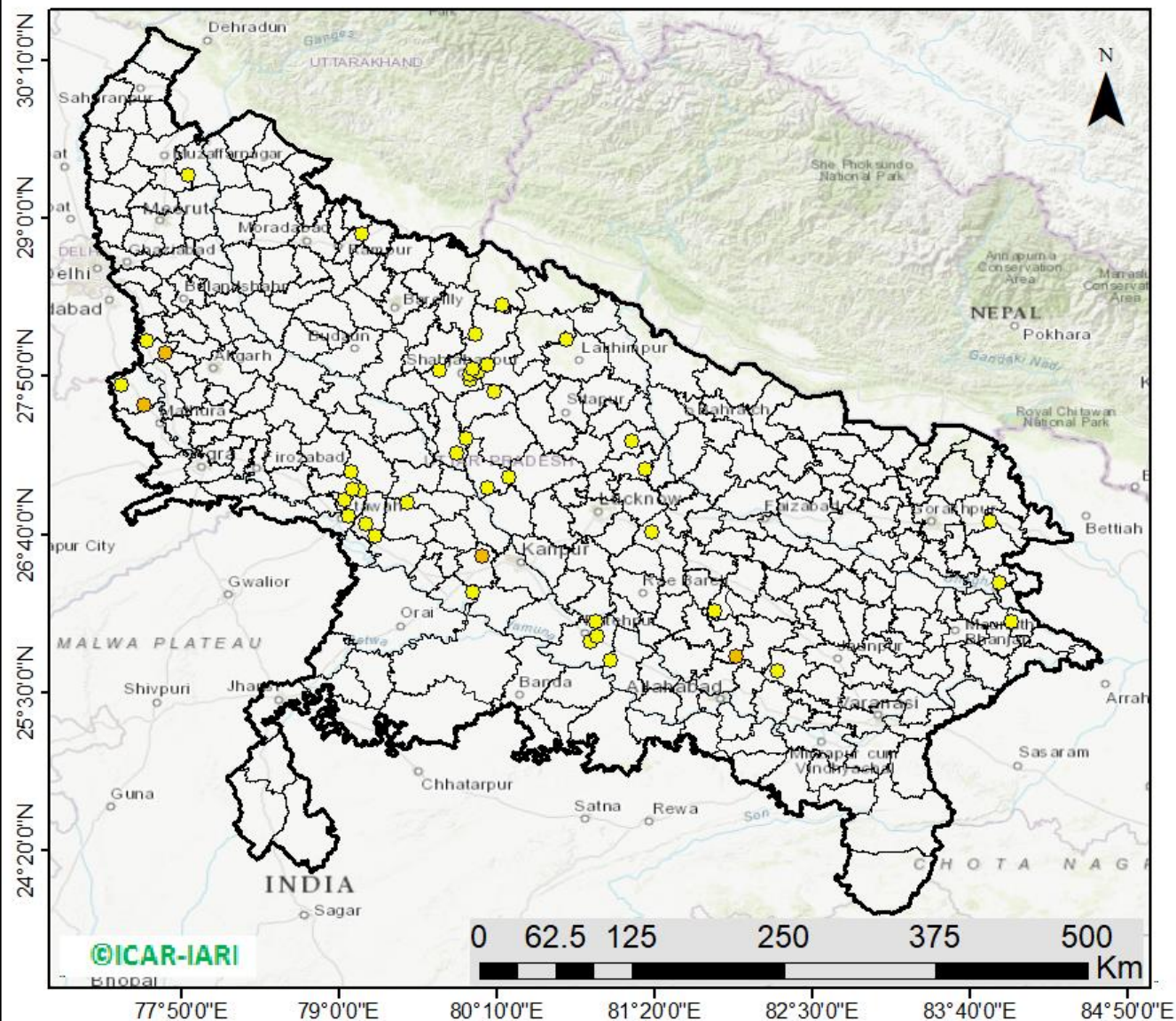
http://103.111.37.126/icar_geoportal/

District-wise cumulative number of residues burning events in Haryana (15Sep-30Oct-2024)



Uttar Pradesh

RICE RESIDUE BURNING IN UTTAR PRADESH



47 burning events
detected in Uttar Pradesh on
(30th Oct 2024)

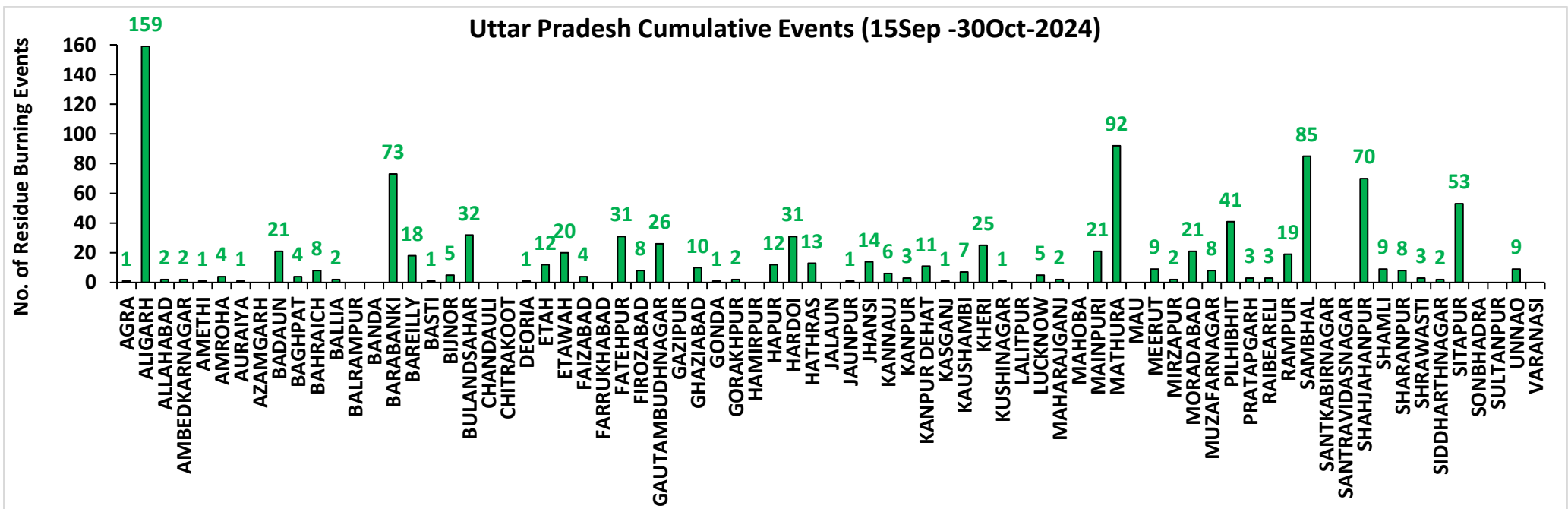
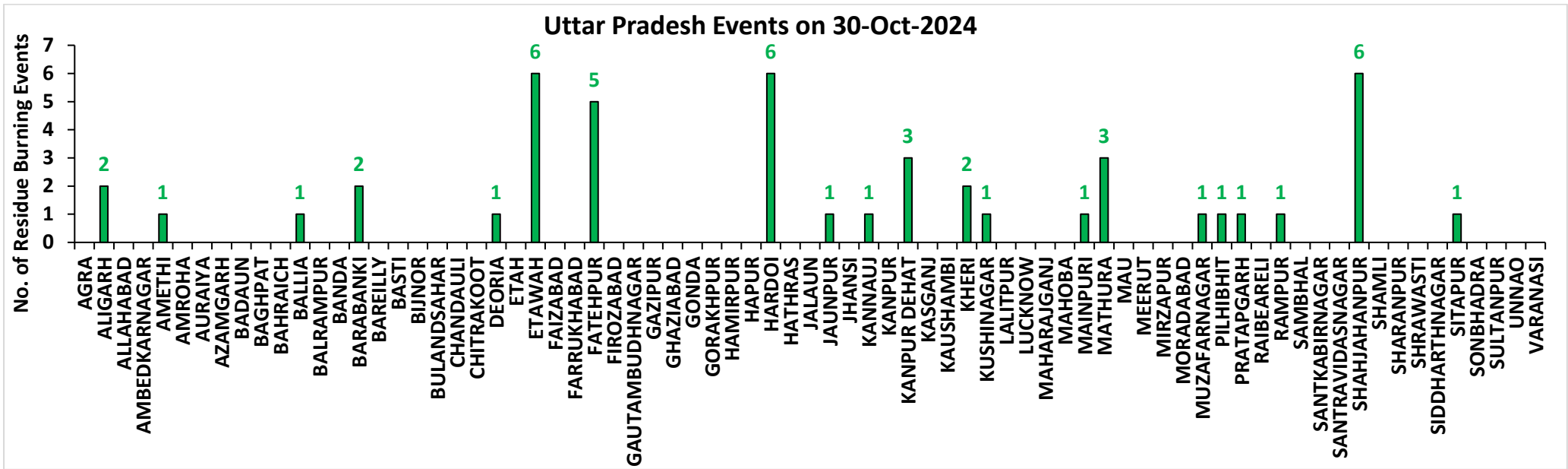
Fire Intensity (W/m²)

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



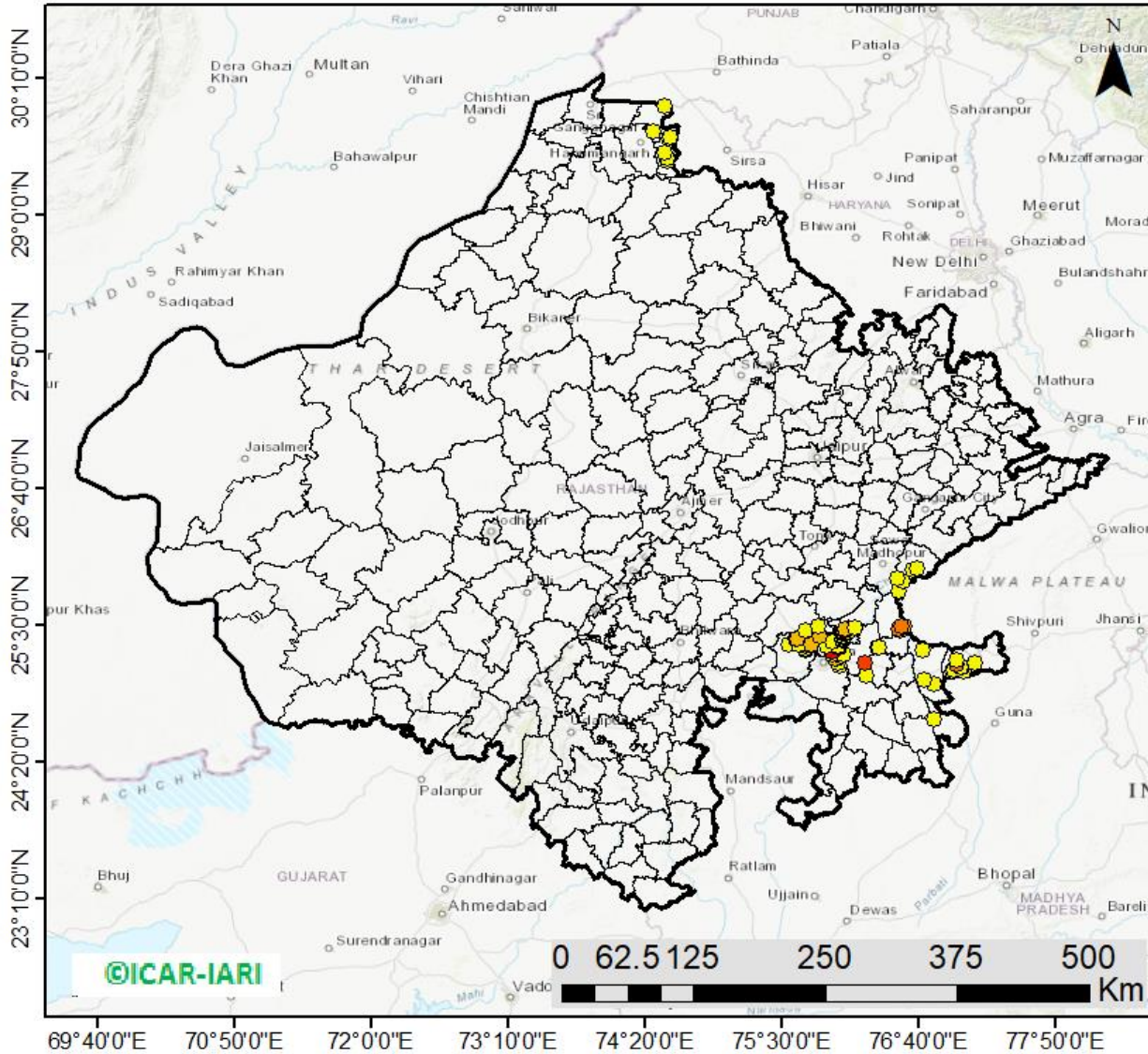
http://103.111.37.126/icar_geoportal/

District-wise cumulative number of residues burning events in Uttar Pradesh (15Sep-30Oct-2024)



Rajasthan

RICE RESIDUE BURNING IN RAJASTHAN



89 burning events
detected in Rajasthan on
(30th Oct 2024)

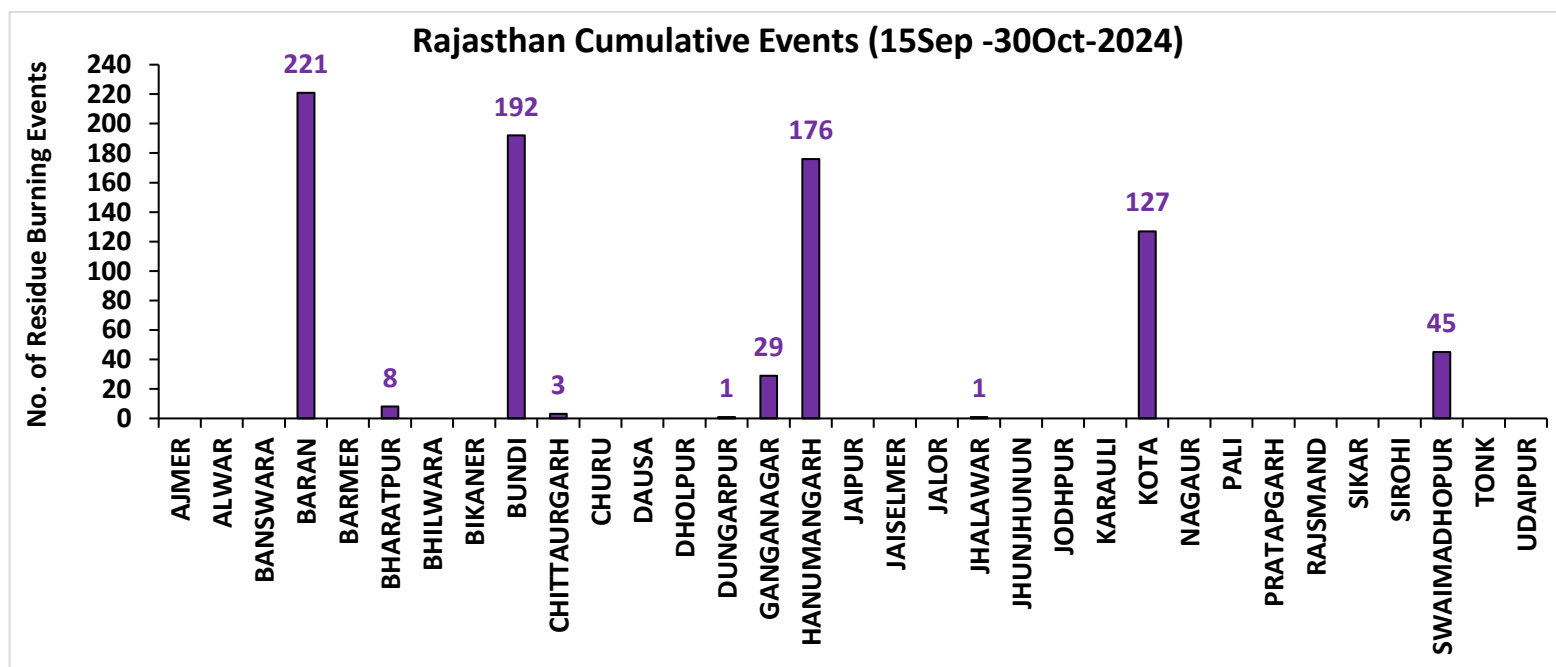
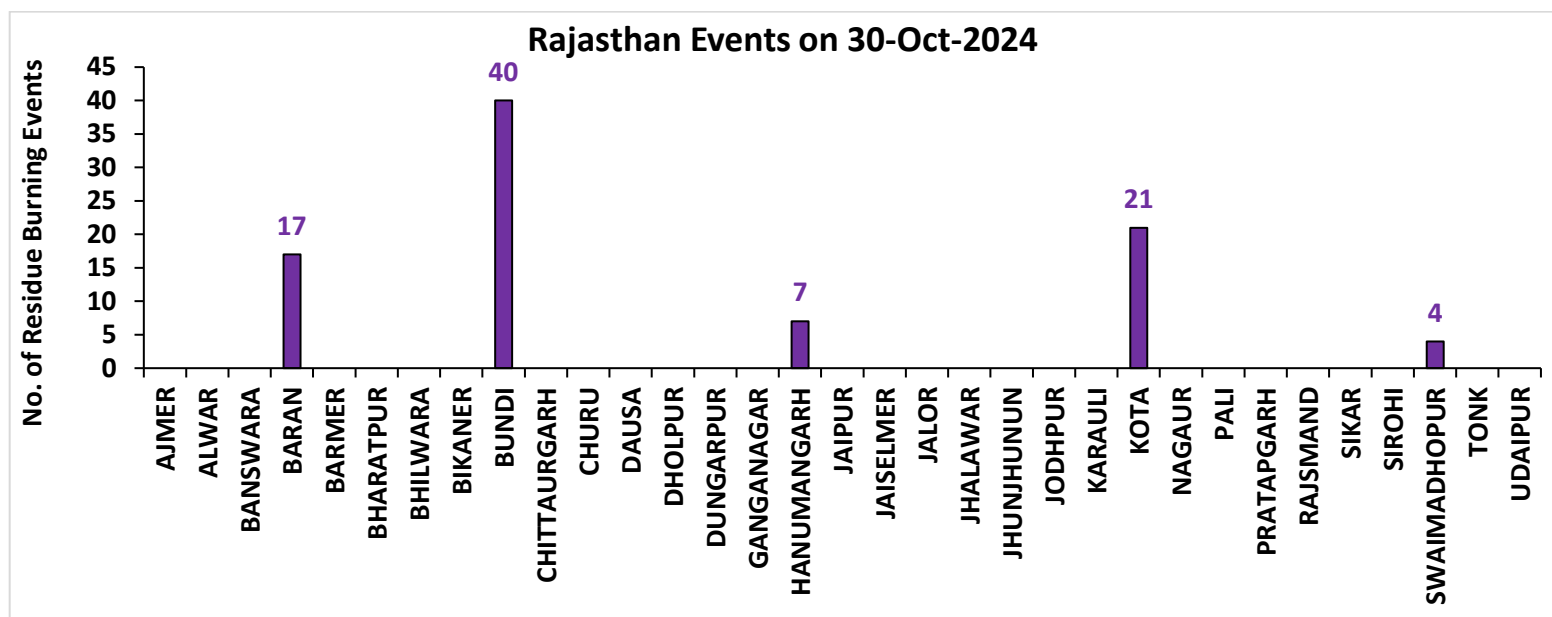
Fire Intensity (W/m²)

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



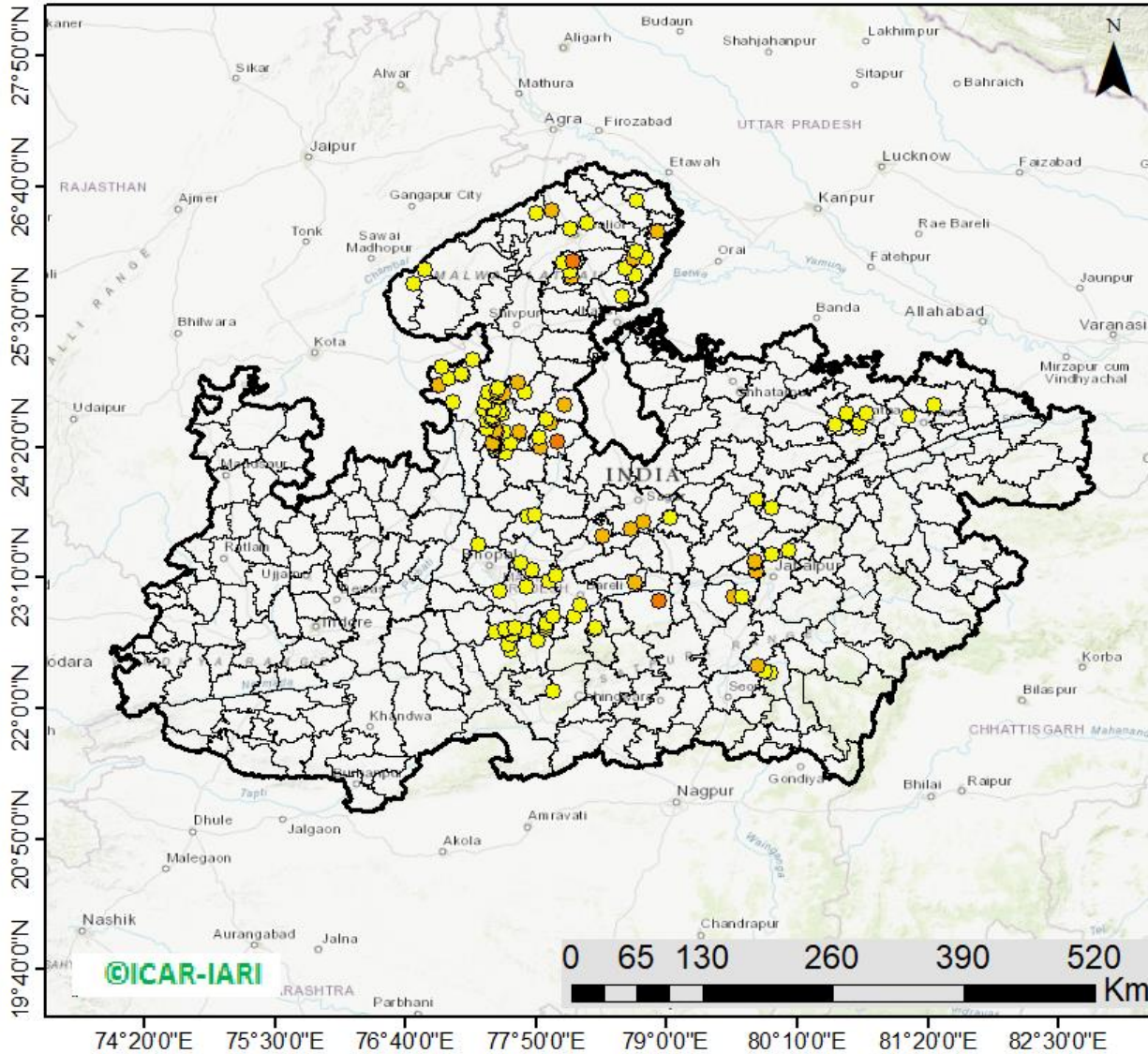
http://103.111.37.126/icar_geoportal/

District-wise cumulative number of residues burning events in Rajasthan (15Sep-30Oct-2024)



Madhya Pradesh

RICE RESIDUE BURNING IN MADHYA PRADESH



131 burning events
detected in MP on
(30th Oct 2024)

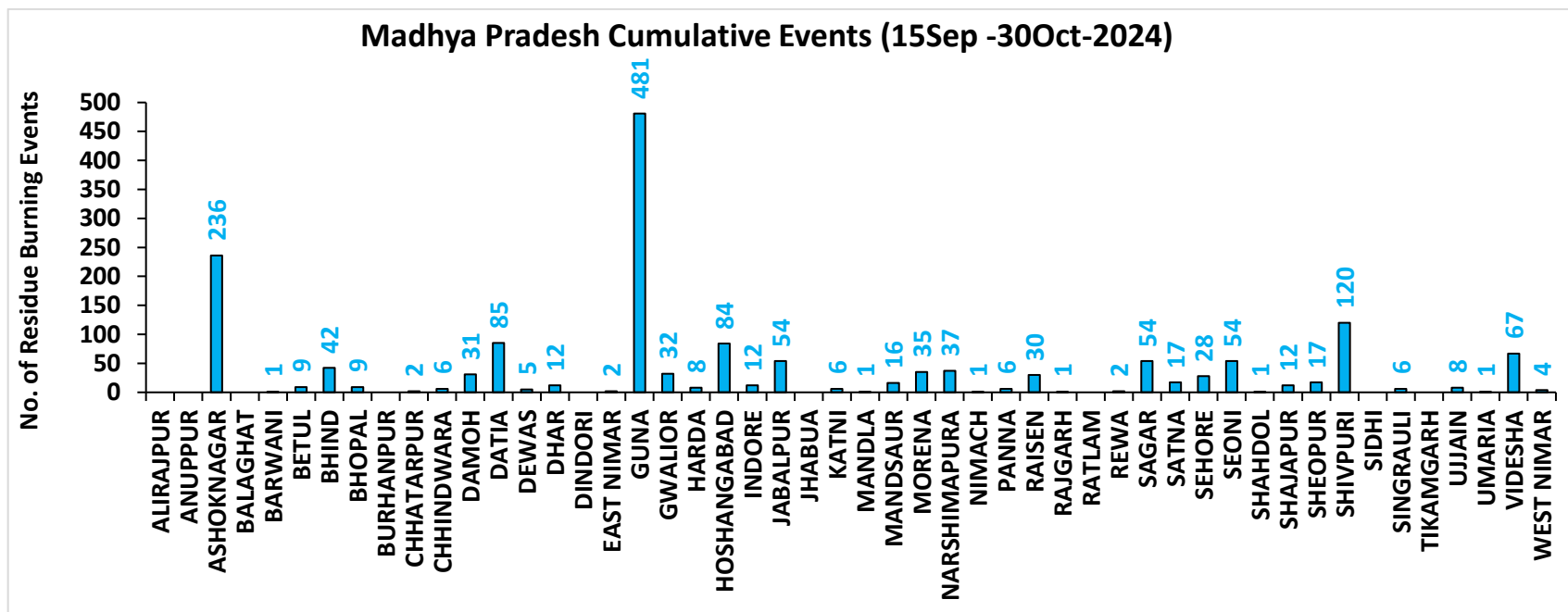
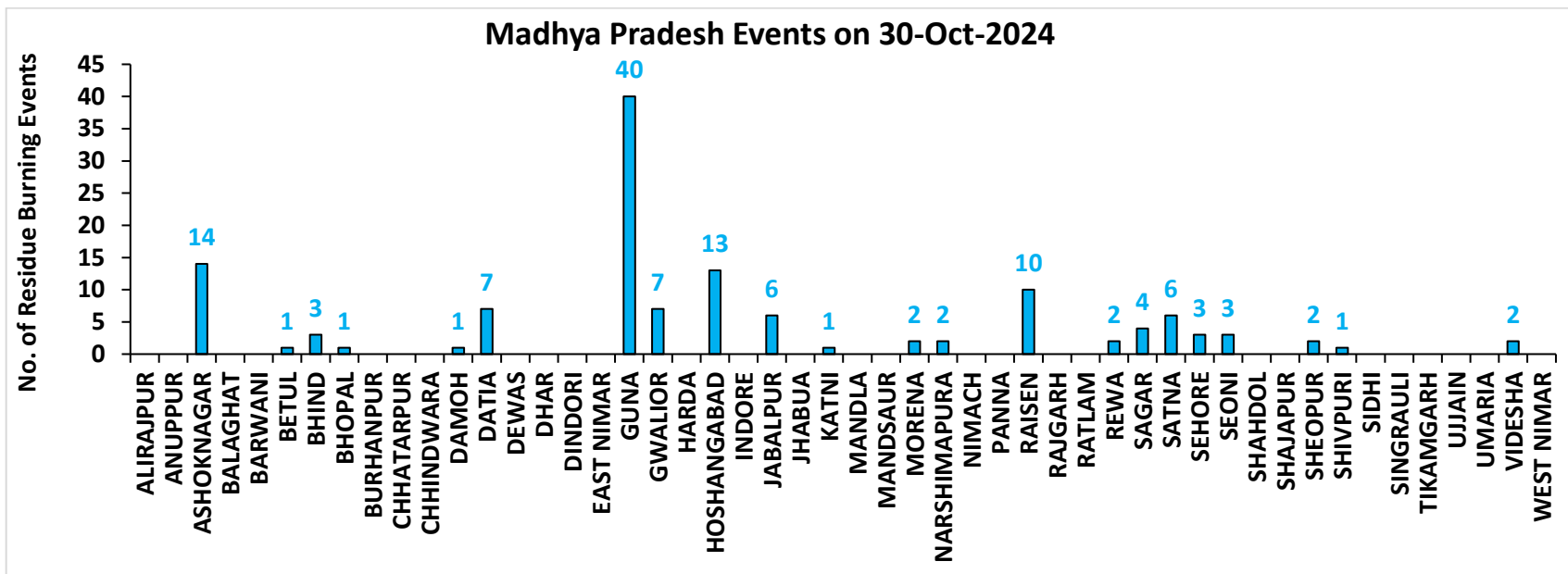
Fire Intensity (W/m²)

- 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-30Oct-2024)



District-wise cumulative number of residues burning events detected in 2020, 2021, 2022, 2023 and 2024
(Period: 15 September-30 October)

(a) Punjab

District	15 Sep-30 Oct				
	2020	2021	2022	2023	2024
Amritsar	2663	1112	1318	1103	500
Barnala	662	311	392	84	20
Bathinda	776	351	542	127	48
Faridkot	1488	629	225	154	41
Fatehgarh Sahib	954	305	661	301	89
Fazilka	354	159	133	60	28
Firozpur	4000	803	837	629	286
Gurdaspur	1887	504	801	139	79
Hoshiarpur	312	108	163	14	2
Jalandhar	837	453	676	171	32
Kapurthala	1393	656	856	257	123
Ludhiana	1214	654	658	277	48
Malerkotla	0	0	0	32	35
Mansa	580	121	315	351	77
Moga	932	403	341	218	37
Muktsar	946	370	221	57	12
Pathankot	8	1	0	1	0
Patiala	3036	872	1615	645	294
Rupnagar	114	46	140	13	7
Sangrur	2770	436	1535	738	259
SAS NAGAR (Mohali)	111	69	77	109	33
SBS Nagar	61	39	69	29	7
Tarn Taran	4614	1972	2298	775	409
Total	29712	10374	13873	6284	2466

(b) Haryana

District	15 Sep-30 Oct				
	2020	2021	2022	2023	2024
AMBALA	299	146	162	151	77
BHIWANI	0	0	0	2	0
CHARKHI DADRI	0	0	0	0	0
FARIDABAD	1	2	1	3	36
FATEHABAD	211	254	279	199	44
GURGAON	0	0	0	0	0
HISAR	12	14	32	62	21
JHAJJAR	3	0	1	5	3
JIND	84	138	195	141	54
KAITHAL	513	683	505	158	143
KARNAL	496	689	245	68	77
KURUKSHETRA	376	418	282	121	111
MAHENDRAGARH	0	0	0	0	0
MEWAT	0	0	0	0	0
PALWAL	35	41	24	50	31
PANCHKULA	0	0	0	1	14
PANIPAT	17	32	27	20	28
REWARI	0	0	0	0	0
ROHTAK	9	0	0	12	11
SIRSA	50	38	50	31	21
SONIPAT	20	11	14	54	41
YAMUNANAGAR	110	95	108	68	30
Total	2236	2561	1925	1146	742

(c) Uttar Pradesh

District	15 Sep-30 Oct																
	2020	2021	2022	2023	2024	GAUTAMBUDHNAGAR	7	9	9	9	26	MUZAFARNAGAR	5	3	1	2	8
AGRA	2	0	0	4	1	GAZIPUR	0	0	0	1	0	PILHIBHIT	10	123	98	80	41
ALIGARH	76	25	30	78	159	GHAZIABAD	8	5	2	13	10	PRATAPGARH	4	0	3	5	3
ALLAHABAD	5	2	2	2	2	GONDA	1	0	0	0	1	RAIBEARELI	2	1	3	3	3
AMBEDKARNAGAR	1	0	0	0	2	GORAKHPUR	3	0	0	1	2	RAMPUR	85	65	55	59	19
AMETHI	2	2	4	3	1	HAMIRPUR	1	0	0	0	0	SAMBHAL	7	8	10	13	85
AMROHA	3	0	0	2	4	HAPUR	8	3	2	0	12	SANTKABIRNAGAR	0	0	2	2	0
AURAIYA	22	13	8	15	1	HARDOI	32	10	14	35	31	SANTRAVIDASNAGAR	0	0	0	0	0
AZAMGARH	4	0	0	1	0	HATHRAS	0	0	1	2	13	SHAHJAHANPUR	61	211	223	48	70
BADAUN	2	6	0	4	21	JALAUN	4	0	0	0	0	SHAMLI	25	17	6	5	9
BAGHPAT	5	1	2	1	4	JAUNPUR	2	1	0	1	1	SHARANPUR	59	31	8	8	8
BAHRAICH	50	8	7	8	8	JHANSI	38	7	5	46	14	SHRAWASTI	17	3	2	7	3
BALLIA	2	0	0	0	2	KANNAUJ	14	2	1	2	6	SIDDHARTHANAGAR	3	0	0	0	2
BALRAMPUR	16	3	2	3	0	KANPUR	12	7	11	24	3	SITAPUR	31	24	7	8	53
BANDA	1	0	0	0	0	KANPUR DEHAT	28	4	1	30	11	SONBHADRA	0	0	0	0	0
BARABANKI	25	25	31	48	73	KASGANJ	2	2	0	3	1	SULTANPUR	2	1	1	2	0
BAREILLY	32	18	13	26	18	KAUSHAMBI	19	14	7	24	7	UNNAO	9	1	1	16	9
BASTI	7	1	1	1	1	KHERI	69	68	80	14	25	VARANASI	1	0	0	0	0
BIJNOR	8	6	2	6	5	KUSHINAGAR	4	0	1	3	1	Total	1132	890	748	906	1039
BULANDSAHAR	30	2	7	6	32	LALITPUR	0	1	3	2	0						
CHANDAULI	0	0	0	0	0	LUCKNOW	10	8	1	4	5						
CHITRAKOOT	0	3	2	3	0	MAHARAJGANJ	2	0	2	2	2						
DEORIA	6	0	2	2	1	MAHOBA	12	0	0	0	0						
ETAH	13	6	2	13	12	MAINPURI	19	13	12	24	21						
ETAWAH	16	10	7	44	20	MATHURA	92	80	18	84	92						
FAIZABAD	3	0	0	3	4	MAU	0	0	0	0	0						
FARRUKHABAD	2	0	0	1	0	MEERUT	16	6	4	3	9						
FATEHPUR	47	18	30	36	31	MIRZAPUR	6	5	2	0	2						
FIROZABAD	14	5	0	6	8	MORADABAD	8	3	0	5	21						

(d) Delhi

District	15 Sep-30 Oct				
	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	2	0	5	2	8
NORTH EAST	0	0	0	0	0
NORTH WEST DELHI	3	0	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	0	0	0
Total	8	0	5	2	12

(e) Rajasthan

District	15 Sep-30 Oct				
	2020	2021	2022	2023	2024
AJMER	3	0	0	0	0
ALWAR	4	0	0	0	0
BANSWARA	0	0	0	0	0
BARAN	128	1	34	279	221
BARMER	3	0	0	0	0
BHARATPUR	2	2	1	2	8
BHILWARA	6	0	0	0	0
BIKANER	1	0	0	0	0
BUNDI	57	16	104	155	192
CHITTAURGARH	0	5	3	9	3
CHURU	0	0	0	0	0
DAUSA	0	0	0	0	0
DHOLPUR	0	0	0	0	0
DUNGARPUR	0	0	0	0	1
GANGANAGAR	10	5	14	17	29
HANUMANGARH	277	74	42	99	176
JAIPUR	2	0	0	0	0
JAISELMER	3	0	0	0	0
JALOR	0	0	0	0	0
JHALAWAR	2	0	2	9	1
JHUNJHUNUN	1	0	0	0	0
JODHPUR	2	0	0	0	0
KARALI	1	0	0	0	0
KOTA	73	5	58	190	127
NAGOUR	0	0	0	0	0
PALI	2	0	0	0	0
PRATAPGARH	6	0	0	0	0
RAJSMAND	0	0	0	0	0
SIKAR	0	0	0	0	0
SIROHI	1	0	0	0	0
SWAIMADHOPUR	32	1	24	50	45
TONK	3	0	0	0	0
UDAIPUR	0	0	0	1	0
Total	619	109	282	811	803

(f) Madhya Pradesh

District	15 Sep-30 Oct										
	2020	2021	2022	2023	2024	PANNA	14	3	0	3	6
ALIRAJPUR	0	0	0	0	0	RAISEN	164	8	18	73	30
ANUPPUR	0	0	0	0	0	RAJGARH	9	1	3	9	1
ASHOKNAGAR	81	4	15	141	236	RATLAM	0	0	0	1	0
BALAGHAT	0	0	0	0	0	REWA	36	4	2	4	2
BARWANI	0	0	0	0	1	SAGAR	24	18	34	60	54
BETUL	14	4	1	8	9	SATNA	120	15	3	24	17
BHIND	54	2	17	53	42	SEHORE	53	19	40	59	28
BHOPAL	25	7	8	22	9	SEONI	549	366	106	186	54
BURHANPUR	0	1	0	5	0	SHAHDOL	0	0	0	2	1
CHHATARPUR	5	0	0	3	2	SHAJAPUR	7	0	0	11	12
CHHINDWARA	39	19	20	26	6	SHEOPUR	234	4	94	606	17
DAMOH	51	20	23	34	31	SHIVPURI	58	2	16	58	120
DATIA	294	15	41	229	85	SIDHI	1	0	0	0	0
DEWAS	5	0	0	9	5	SINGRAULI	0	0	1	0	6
DHAR	28	0	0	31	12	TIKAMGARH	3	0	0	3	0
DINDORI	0	0	0	1	0	UJJAIN	5	0	0	14	8
EAST NIMAR	13	6	5	4	2	UMARIA	0	0	0	0	1
GUNA	46	2	47	328	481	VIDESHA	89	16	24	69	67
GWALIOR	347	7	12	63	32	WEST NIMAR	26	1	2	19	4
HARDA	12	18	7	26	8	Total	3109	783	718	2635	1635
HOSHANGABAD	442	135	98	277	84						
INDORE	3	0	0	12	12						
JABALPUR	92	20	25	65	54						
JHABUA	0	0	0	0	0						
KATNI	54	2	5	16	6						
MANDLA	9	27	5	6	1						
MANDSAUR	8	0	0	2	16						
MORENA	44	13	8	41	35						
NARSHIMAPURA	51	24	38	32	37						
NIMACH	0	0	0	0	1						

State-wise and date-wise number of paddy residue burning events detected in 2020 ,2021 ,2022, 2023 and 2024
(Period: 15 September-30 October)

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
Total	29712	10374	13873	6284	2466	2236	2561	1925	1146	742	1132	890	748	906	1039

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
Total	8	0	5	2	12	619	109	282	811	803	3109	783	718	2635	1635

Details of residue burning events in Punjab on 30-Oct-2024

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	AMRITSAR	AJNALA	S-NPP	31.96123	74.95630	14:30:15	D	6.90
2	AMRITSAR	AJNALA	S-NPP	31.96518	74.95167	14:30:15	D	5.70
3	AMRITSAR	AJNALA	S-NPP	31.96540	74.95959	14:30:15	D	9.20
4	AMRITSAR	RAYYA	S-NPP	31.58389	75.39727	12:49:58	D	20.60
5	BATHINDA	BATHINDA	S-NPP	30.12150	75.00599	12:49:58	D	2.10
6	BATHINDA	BATHINDA	S-NPP	30.25928	74.81986	12:49:58	D	1.80
7	BATHINDA	BATHINDA	AQUA	30.12400	74.99300	15:07:27	D	40.90
8	BATHINDA	BHAGTA BHAI KA	S-NPP	30.41559	75.09056	14:30:15	D	9.70
9	BATHINDA	BHAGTA BHAI KA	S-NPP	30.41992	75.11617	14:30:15	D	5.00
10	BATHINDA	GONIANA MANDI	S-NPP	30.29668	74.86210	12:49:58	D	5.80
11	BATHINDA	NATHANA	S-NPP	30.41192	75.09325	14:30:15	D	8.20
12	BATHINDA	PHUL	S-NPP	30.32263	75.18031	12:49:58	D	2.00
13	BATHINDA	PHUL	S-NPP	30.34538	75.21270	14:30:15	D	5.40
14	FARIDKOT	FARIDKOT	S-NPP	30.61232	74.72932	12:49:58	D	6.60
15	FARIDKOT	FARIDKOT	S-NPP	30.61692	74.72858	12:49:58	D	6.90
16	FARIDKOT	FARIDKOT	S-NPP	30.67941	74.59552	12:49:58	D	3.30
17	FARIDKOT	FARIDKOT	S-NPP	30.68368	74.59328	12:49:58	D	7.20
18	FARIDKOT	FARIDKOT	S-NPP	30.68454	74.59389	12:49:58	D	3.30
19	FARIDKOT	FARIDKOT	S-NPP	30.72887	74.89794	12:49:58	D	2.40
20	FARIDKOT	FARIDKOT	S-NPP	30.74656	74.73973	12:49:58	D	13.30
21	FARIDKOT	FARIDKOT	S-NPP	30.75990	74.61202	12:49:58	D	1.90
22	FARIDKOT	JAITON	S-NPP	30.41622	74.90725	14:30:15	D	10.00
23	FARIDKOT	JAITON	S-NPP	30.42102	74.92398	12:49:58	D	1.90
24	FARIDKOT	JAITON	S-NPP	30.45135	74.90731	12:49:58	D	8.90
25	FATEHGARH SAHIB	BASSI PATHANAN	S-NPP	30.67282	76.49238	12:49:58	D	5.00
26	FATEHGARH SAHIB	KHERA	S-NPP	30.58160	76.53331	12:49:58	D	5.30
27	FATEHGARH SAHIB	KHERA	S-NPP	30.58497	76.51826	12:49:58	D	2.70
28	FATEHGARH SAHIB	KHERA	S-NPP	30.61513	76.45478	12:49:58	D	9.20
29	FIROZPUR	FIROZPUR	S-NPP	31.01221	74.63378	14:30:15	D	6.10
30	FIROZPUR	FIROZPUR	S-NPP	31.04030	74.63048	12:49:58	D	6.60

31	FIROZPUR	FIROZPUR	S-NPP	31.06499	74.73294	12:49:58	D	5.70
32	FIROZPUR	FIROZPUR	S-NPP	31.06584	74.73645	12:49:58	D	5.70
33	FIROZPUR	GHALL KHURD	S-NPP	30.80211	74.88120	12:49:58	D	6.30
34	FIROZPUR	GHALL KHURD	S-NPP	30.91188	74.83248	12:49:58	D	1.50
35	FIROZPUR	GHALL KHURD	S-NPP	30.92088	74.77013	14:30:15	D	4.00
36	FIROZPUR	GHALL KHURD	S-NPP	30.99783	74.75519	12:49:58	D	2.50
37	FIROZPUR	GHALL KHURD	AQUA	30.93400	74.79300	15:07:27	D	27.60
38	FIROZPUR	GHALL KHURD	AQUA	31.00600	74.74400	15:07:27	D	28.40
39	FIROZPUR	GURUHAR SAHAI	S-NPP	30.68833	74.45538	14:30:15	D	8.40
40	FIROZPUR	GURUHAR SAHAI	S-NPP	30.68904	74.45468	14:30:15	D	7.40
41	FIROZPUR	MAMDOT	S-NPP	30.79781	74.42815	14:30:15	D	8.90
42	FIROZPUR	MAMDOT	S-NPP	30.79824	74.43253	14:30:15	D	7.70
43	FIROZPUR	MAMDOT	S-NPP	30.80128	74.34683	12:49:58	D	2.40
44	FIROZPUR	MAMDOT	S-NPP	30.84535	74.40884	14:30:15	D	6.20
45	FIROZPUR	MAMDOT	AQUA	30.94200	74.48300	15:07:27	D	23.10
46	FIROZPUR	ZIRA	S-NPP	30.87886	74.92377	14:30:15	D	6.20
47	GURDASPUR	DERA BABA NANAK	S-NPP	31.98842	74.99568	12:49:58	D	5.00
48	GURDASPUR	DERA BABA NANAK	S-NPP	31.98860	74.99405	12:49:58	D	2.90
49	KAPURTHALA	NADALA	S-NPP	31.55466	75.43334	12:49:58	D	6.40
50	KAPURTHALA	NADALA	S-NPP	31.55790	75.43642	14:30:15	D	7.20
51	KAPURTHALA	NADALA	S-NPP	31.58018	75.39436	14:30:15	D	7.50
52	KAPURTHALA	NADALA	S-NPP	31.58371	75.55111	12:49:58	D	4.30
53	KAPURTHALA	NADALA	S-NPP	31.59552	75.47729	14:30:15	D	15.30
54	KAPURTHALA	NADALA	S-NPP	31.59654	75.47400	12:49:58	D	10.00
55	KAPURTHALA	NADALA	S-NPP	31.59700	75.47755	14:30:15	D	22.30
56	KAPURTHALA	NADALA	S-NPP	31.60041	75.57896	12:49:58	D	4.70
57	MANSA	BHIKHI	S-NPP	30.08509	75.59773	14:30:15	D	9.40
58	MANSA	BHIKHI	S-NPP	30.10740	75.61337	14:30:15	D	7.20
59	MANSA	BHIKHI	S-NPP	30.10866	75.61085	12:49:58	D	6.40
60	MANSA	BHIKHI	S-NPP	30.10905	75.60966	14:30:15	D	8.00
61	MANSA	BHIKHI	S-NPP	30.13636	75.57100	12:49:58	D	3.30
62	MANSA	BHIKHI	S-NPP	30.13856	75.62498	14:30:15	D	6.70
63	MANSA	BHIKHI	S-NPP	30.20065	75.39414	12:49:58	D	1.40
64	MANSA	BUDHLADA	S-NPP	29.98018	75.59715	12:49:58	D	1.60

65	MANSA	BUDHLADA	S-NPP	29.99650	75.59926	12:49:58	D	5.00
66	MANSA	SARDULGARH	S-NPP	29.70483	75.21942	12:49:58	D	2.60
67	MANSA	SARDULGARH	S-NPP	29.71392	75.32807	12:49:58	D	4.20
68	MANSA	SARDULGARH	S-NPP	29.71472	75.33150	12:49:58	D	4.20
69	MANSA	SARDULGARH	S-NPP	29.71897	75.32655	12:49:58	D	4.20
70	MANSA	SARDULGARH	S-NPP	29.71977	75.32999	12:49:58	D	4.20
71	MANSA	SARDULGARH	S-NPP	29.75504	75.31925	12:49:58	D	1.60
72	MOGA	BAGHA PURANA	S-NPP	30.66652	75.03372	12:49:58	D	2.10
73	MOGA	NIHAL SINGH	S-NPP	30.62763	75.36089	12:49:58	D	2.50
74	PATIALA	GHANAUR	S-NPP	30.40447	76.53959	12:49:58	D	4.60
75	PATIALA	NABHA	S-NPP	30.31944	76.22941	12:49:58	D	2.20
76	PATIALA	NABHA	S-NPP	30.54485	76.29861	12:49:58	D	5.50
77	PATIALA	PATIALA	S-NPP	30.36576	76.50452	12:49:58	D	5.00
78	PATIALA	PATIALA	S-NPP	30.36632	76.50207	12:49:58	D	4.00
79	PATIALA	PATRAN	S-NPP	29.97003	76.14445	12:49:58	D	4.10
80	RUPNAGAR	CHAMKAUR SAHIB	S-NPP	30.89677	76.42116	12:49:58	D	2.20
81	SANGRUR	ANDANA	S-NPP	29.78531	75.85379	14:30:15	D	7.90
82	SANGRUR	ANDANA	S-NPP	29.78561	75.86225	14:30:15	D	7.90
83	SANGRUR	ANDANA	S-NPP	29.85559	76.05561	12:49:58	D	6.20
84	SANGRUR	ANDANA	S-NPP	29.86467	76.01381	14:30:15	D	12.10
85	SANGRUR	BHAWANIGARH	S-NPP	30.24302	76.13253	12:49:58	D	6.70
86	SANGRUR	BHAWANIGARH	S-NPP	30.24438	76.13858	12:49:58	D	9.80
87	SANGRUR	BHAWANIGARH	S-NPP	30.28466	75.98777	12:49:58	D	9.10
88	SANGRUR	BHAWANIGARH	S-NPP	30.28821	76.18128	12:49:58	D	4.60
89	SANGRUR	BHAWANIGARH	S-NPP	30.28843	76.17690	12:49:58	D	7.90
90	SANGRUR	DIRBA	S-NPP	29.95200	75.99843	12:49:58	D	12.80
91	SANGRUR	SANGRUR	S-NPP	30.20322	75.77337	12:49:58	D	6.60
92	SANGRUR	SANGRUR	S-NPP	30.20381	75.77143	12:49:58	D	8.10
93	SANGRUR	SUNAM	S-NPP	29.98049	75.75287	14:30:15	D	4.70
94	SANGRUR	SUNAM	S-NPP	30.07652	75.81164	12:49:58	D	3.90
95	SANGRUR	SUNAM	S-NPP	30.07673	75.81135	12:49:58	D	3.90
96	SANGRUR	SUNAM	S-NPP	30.07913	75.68739	12:49:58	D	4.60
97	SANGRUR	SUNAM	S-NPP	30.07967	75.68728	12:49:58	D	5.40
98	SANGRUR	SUNAM	S-NPP	30.12978	75.88326	12:49:58	D	3.30

99	SANGRUR	SUNAM	S-NPP	30.13701	75.62883	14:30:15	D	5.90
100	SANGRUR	SUNAM	S-NPP	30.19005	75.73470	12:49:58	D	7.60
101	SAS NAGAR	DERABASSI	S-NPP	30.62123	76.86983	12:49:58	D	1.90
102	TARN TARAN	KHADUR SAHIB	S-NPP	31.43194	75.07404	14:30:15	D	3.80
103	TARN TARAN	NAUSHERA PANNUAN	S-NPP	31.40754	75.04459	12:49:58	D	2.40
104	TARN TARAN	TARN TARAN	S-NPP	31.40331	74.78861	12:49:58	D	2.50
105	TARN TARAN	TARN TARAN	S-NPP	31.40367	74.76271	14:30:15	D	13.20
106	TARN TARAN	TARN TARAN	S-NPP	31.40413	74.79203	12:49:58	D	2.50
107	TARN TARAN	TARN TARAN	S-NPP	31.43481	74.80807	12:49:58	D	2.90
108	TARN TARAN	TARN TARAN	AQUA	31.39500	74.78500	15:07:27	D	27.50
109	TARN TARAN	TARN TARAN	AQUA	31.40000	74.78900	15:07:27	D	35.90
110	TARN TARAN	VALTOHA	S-NPP	31.16584	74.67304	12:49:58	D	3.10

Details of residue burning events in Haryana on 30-Oct-2024

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	KAITHAL	KAITHAL	S-NPP	29.81120	76.54478	12:49:58	D	5.10
2	KAITHAL	KAITHAL	S-NPP	29.81184	76.54514	12:49:58	D	3.60
3	PALWAL	PALWAL	S-NPP	28.12367	77.50726	12:49:58	D	2.90

Details of residue burning events in Uttar Pradesh on 30-Oct-2024

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	ALIGARH	KHAIR	S-NPP	28.00786	77.72339	12:49:58	D	5.50
2	ALIGARH	KHAIR	S-NPP	28.09527	77.57861	12:49:58	D	2.40
3	AMETHI	AMETHI	S-NPP	26.09685	81.77446	12:49:58	D	2.00
4	BALLIA	SIKANDARPUR	S-NPP	26.01877	83.97170	12:49:58	D	2.30
5	BARABANKI	FATEHPUR	S-NPP	27.14355	81.26604	12:49:58	D	2.30
6	BARABANKI	Haidargarh	S-NPP	26.68108	81.31702	12:49:58	D	2.80
7	DEORIA	SALEMPUR	S-NPP	26.30841	83.88335	12:49:58	D	2.10
8	ETAWAH	BHARTHNA	S-NPP	26.65530	79.26596	12:49:58	D	1.50
9	ETAWAH	BHARTHNA	S-NPP	26.74564	79.19636	12:49:58	D	1.20
10	ETAWAH	ETAWAH	S-NPP	26.79731	79.06800	12:49:58	D	3.80
11	ETAWAH	ETAWAH	S-NPP	26.98958	79.15981	12:49:58	D	1.80
12	ETAWAH	SAIFAI	S-NPP	26.91944	79.04347	12:49:58	D	2.80
13	ETAWAH	SAIFAI	S-NPP	26.99630	79.10493	12:49:58	D	4.20
14	FATEHPUR	FATEHPUR	S-NPP	25.73687	81.00551	12:49:58	D	2.60
15	FATEHPUR	FATEHPUR	S-NPP	25.87254	80.86193	12:49:58	D	2.60
16	FATEHPUR	FATEHPUR	S-NPP	25.91112	80.91256	12:49:58	D	3.30
17	FATEHPUR	FATEHPUR	S-NPP	26.02161	80.90025	12:49:58	D	4.80
18	FATEHPUR	FATEHPUR	S-NPP	26.02308	80.89790	12:49:58	D	3.20
19	HARDOI	BILGRAM	S-NPP	27.00845	80.09677	12:49:58	D	3.50
20	HARDOI	BILGRAM	S-NPP	27.08572	80.25456	12:49:58	D	3.30
21	HARDOI	HARDOI	S-NPP	27.37206	79.94192	12:49:58	D	3.70
22	HARDOI	SHAHABAD	S-NPP	27.72382	80.14715	12:49:58	D	3.50
23	HARDOI	SHAHABAD	S-NPP	27.72382	80.14719	12:49:58	D	3.40
24	HARDOI	SIWAJPUR	S-NPP	27.26901	79.86758	12:49:58	D	3.00
25	JAUNPUR	MACHHALI SAHAR	S-NPP	25.65547	82.24166	01:40:41	N	0.80
26	KANNAUJ	TIRWA	S-NPP	26.90352	79.50306	12:49:58	D	3.10
27	KANPUR DEHAT	AKBARPUR	S-NPP	26.50273	80.06207	12:49:58	D	3.90
28	KANPUR DEHAT	AKBARPUR	S-NPP	26.50459	80.06218	12:49:58	D	5.50
29	KANPUR DEHAT	BHOGANIPUR	S-NPP	26.23993	79.98878	12:49:58	D	2.30
30	KHERI	LAKHIMPUR	S-NPP	28.10846	80.68290	12:49:58	D	4.20
31	KHERI	MOHMADI	S-NPP	27.91548	80.09612	12:49:58	D	1.50
32	KUSHINAGAR	HATA	S-NPP	26.75821	83.81091	12:49:58	D	4.30

33	MAINPURI	BHOGAON	S-NPP	27.13070	79.09650	12:49:58	D	2.70
34	MATHURA	CHHATA	S-NPP	27.61953	77.56541	12:49:58	D	6.50
35	MATHURA	CHHATA	S-NPP	27.62354	77.56561	12:49:58	D	5.90
36	MATHURA	CHHATA	S-NPP	27.76584	77.39320	12:49:58	D	3.60
37	MUZAFARNAGAR	JANSATH	S-NPP	29.32378	77.88857	12:49:58	D	3.20
38	PILHIBHIT	PURANPUR	S-NPP	28.35776	80.20455	01:40:41	N	0.80
39	PRATAPGARH	PRATAPGARH	S-NPP	25.76848	81.93267	12:49:58	D	5.60
40	RAMPUR	SUAR	S-NPP	28.88212	79.16783	12:49:58	D	4.30
41	SHAHJAHANPUR	PUWANYA	S-NPP	28.14429	80.01521	01:40:41	N	1.70
42	SHAHJAHANPUR	SHAHJAHANPUR	S-NPP	27.81029	79.96777	12:49:58	D	2.40
43	SHAHJAHANPUR	SHAHJAHANPUR	S-NPP	27.84893	79.97083	12:49:58	D	2.00
44	SHAHJAHANPUR	SHAHJAHANPUR	S-NPP	27.86397	80.02577	12:49:58	D	3.60
45	SHAHJAHANPUR	SHAHJAHANPUR	S-NPP	27.87424	79.74295	12:49:58	D	2.00
46	SHAHJAHANPUR	SHAHJAHANPUR	S-NPP	27.89098	79.98981	01:40:41	N	1.00
47	SITAPUR	MAHMUDABAD	S-NPP	27.35379	81.16205	01:40:41	N	0.60

Details of residue burning events in Rajasthan on 30-Oct-2024

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	BARAN	CHHABRA	S-NPP	24.68666	76.79488	12:49:58	D	2.30
2	BARAN	KISHANGUNJ	S-NPP	24.98250	76.79716	12:49:58	D	1.90
3	BARAN	KISHANGUNJ	S-NPP	25.02442	76.71576	12:49:58	D	3.20
4	BARAN	KISHANGUNJ	S-NPP	25.28261	76.69942	12:49:58	D	3.50
5	BARAN	MANGROL	S-NPP	25.30051	76.31963	12:49:58	D	4.80
6	BARAN	MANGROL	S-NPP	25.30134	76.32325	12:49:58	D	4.80
7	BARAN	SHAHBAD	S-NPP	25.09109	76.96984	12:49:58	D	3.80
8	BARAN	SHAHBAD	S-NPP	25.09238	76.96960	12:49:58	D	3.70
9	BARAN	SHAHBAD	S-NPP	25.09343	77.05407	12:49:58	D	3.70
10	BARAN	SHAHBAD	S-NPP	25.09443	76.95481	12:49:58	D	3.30
11	BARAN	SHAHBAD	S-NPP	25.10836	76.96887	12:49:58	D	1.30
12	BARAN	SHAHBAD	S-NPP	25.12763	77.03089	12:49:58	D	3.80
13	BARAN	SHAHBAD	S-NPP	25.12837	77.03420	12:49:58	D	3.80
14	BARAN	SHAHBAD	S-NPP	25.13268	77.02953	12:49:58	D	2.20
15	BARAN	SHAHBAD	S-NPP	25.15637	76.99148	12:49:58	D	10.90
16	BARAN	SHAHBAD	S-NPP	25.16263	77.13999	12:49:58	D	2.50
17	BARAN	SHAHBAD	S-NPP	25.19834	76.98736	12:49:58	D	1.20
18	BUNDI	BUNDI	S-NPP	25.27238	75.70225	12:49:58	D	9.40
19	BUNDI	BUNDI	S-NPP	25.27330	75.70621	12:49:58	D	9.40
20	BUNDI	BUNDI	S-NPP	25.27782	75.70074	12:49:58	D	3.00
21	BUNDI	BUNDI	S-NPP	25.28326	75.69920	12:49:58	D	3.00
22	BUNDI	BUNDI	S-NPP	25.30685	75.70105	12:49:58	D	6.00
23	BUNDI	BUNDI	S-NPP	25.31864	75.75208	12:49:58	D	2.60
24	BUNDI	BUNDI	S-NPP	25.32031	75.55752	12:49:58	D	3.00
25	BUNDI	BUNDI	S-NPP	25.32120	75.64551	14:30:15	D	3.80
26	BUNDI	BUNDI	S-NPP	25.32730	75.75526	14:30:15	D	5.50
27	BUNDI	BUNDI	S-NPP	25.36879	75.62057	12:49:58	D	5.10
28	BUNDI	BUNDI	S-NPP	25.36972	75.62455	12:49:58	D	9.90
29	BUNDI	BUNDI	S-NPP	25.39215	75.82478	14:30:15	D	3.20
30	BUNDI	BUNDI	S-NPP	25.39521	75.82561	14:30:15	D	5.90

31	BUNDI	BUNDI	S-NPP	25.44515	75.70023	12:49:58	D	1.80
32	BUNDI	BUNDI	S-NPP	25.47636	75.81154	12:49:58	D	2.20
33	BUNDI	KESHORAIPATAN	S-NPP	25.30123	75.98455	14:30:15	D	4.40
34	BUNDI	KESHORAIPATAN	S-NPP	25.30379	75.98166	14:30:15	D	5.10
35	BUNDI	KESHORAIPATAN	S-NPP	25.31316	75.87746	12:49:58	D	1.50
36	BUNDI	KESHORAIPATAN	S-NPP	25.31377	75.98145	12:49:58	D	4.60
37	BUNDI	KESHORAIPATAN	S-NPP	25.31385	75.97875	12:49:58	D	2.10
38	BUNDI	KESHORAIPATAN	S-NPP	25.31473	75.98252	12:49:58	D	2.10
39	BUNDI	KESHORAIPATAN	S-NPP	25.34793	75.92893	12:49:58	D	3.80
40	BUNDI	KESHORAIPATAN	S-NPP	25.36175	76.01376	12:49:58	D	4.70
41	BUNDI	KESHORAIPATAN	S-NPP	25.37776	76.00935	12:49:58	D	2.50
42	BUNDI	KESHORAIPATAN	S-NPP	25.38831	76.02997	14:30:15	D	7.00
43	BUNDI	KESHORAIPATAN	S-NPP	25.39260	76.03048	14:30:15	D	3.80
44	BUNDI	KESHORAIPATAN	S-NPP	25.41621	76.01299	14:30:15	D	3.60
45	BUNDI	KESHORAIPATAN	S-NPP	25.41779	76.04372	14:30:15	D	12.60
46	BUNDI	KESHORAIPATAN	S-NPP	25.42218	76.04438	14:30:15	D	8.80
47	BUNDI	KESHORAIPATAN	S-NPP	25.42641	76.02392	12:49:58	D	5.10
48	BUNDI	KESHORAIPATAN	S-NPP	25.42726	76.02767	12:49:58	D	6.90
49	BUNDI	KESHORAIPATAN	S-NPP	25.42820	76.02292	12:49:58	D	5.70
50	BUNDI	KESHORAIPATAN	S-NPP	25.42907	76.02666	12:49:58	D	6.80
51	BUNDI	KESHORAIPATAN	S-NPP	25.43486	76.06139	12:49:58	D	7.50
52	BUNDI	KESHORAIPATAN	S-NPP	25.43690	76.06029	12:49:58	D	8.30
53	BUNDI	KESHORAIPATAN	S-NPP	25.44044	76.03598	12:49:58	D	3.10
54	BUNDI	KESHORAIPATAN	S-NPP	25.44233	76.03497	12:49:58	D	4.40
55	BUNDI	KESHORAIPATAN	S-NPP	25.45917	76.03434	12:49:58	D	5.80
56	BUNDI	KESHORAIPATAN	S-NPP	25.46003	76.03808	12:49:58	D	5.80
57	BUNDI	KESHORAIPATAN	S-NPP	25.46742	76.11899	12:49:58	D	3.10
58	HANUMANGARH	SANGHRIYA	S-NPP	29.69753	74.40495	12:49:58	D	3.20
59	HANUMANGARH	SANGHRIYA	S-NPP	29.92467	74.49866	14:30:15	D	4.50
60	HANUMANGARH	TIBI	S-NPP	29.45395	74.52754	12:49:58	D	1.60
61	HANUMANGARH	TIBI	S-NPP	29.47090	74.51824	12:49:58	D	3.00
62	HANUMANGARH	TIBI	S-NPP	29.51672	74.49568	12:49:58	D	2.80
63	HANUMANGARH	TIBI	S-NPP	29.64041	74.53111	12:49:58	D	2.20
64	HANUMANGARH	TIBI	S-NPP	29.65034	74.55240	14:30:15	D	3.80

65	KOTA	DIGOD	S-NPP	25.16379	76.20209	12:49:58	D	16.90
66	KOTA	LADPURA	S-NPP	25.15017	75.99455	12:49:58	D	3.10
67	KOTA	LADPURA	S-NPP	25.16990	75.98100	12:49:58	D	4.70
68	KOTA	LADPURA	S-NPP	25.20037	75.96439	12:49:58	D	2.30
69	KOTA	LADPURA	S-NPP	25.20140	75.96379	12:49:58	D	2.60
70	KOTA	LADPURA	S-NPP	25.20309	75.96043	14:30:15	D	5.60
71	KOTA	LADPURA	S-NPP	25.20671	75.95947	14:30:15	D	5.60
72	KOTA	LADPURA	S-NPP	25.22721	76.00120	12:49:58	D	3.10
73	KOTA	LADPURA	S-NPP	25.23910	75.92908	12:49:58	D	2.90
74	KOTA	LADPURA	S-NPP	25.24317	76.02101	12:49:58	D	1.80
75	KOTA	LADPURA	S-NPP	25.26062	75.92319	12:49:58	D	19.30
76	KOTA	LADPURA	S-NPP	25.26150	75.92702	12:49:58	D	20.40
77	KOTA	PIPALDA	S-NPP	25.44242	76.51226	12:49:58	D	5.10
78	KOTA	PIPALDA	S-NPP	25.46225	76.49698	14:30:15	D	12.70
79	KOTA	PIPALDA	S-NPP	25.46244	76.49636	14:30:15	D	12.00
80	KOTA	PIPALDA	S-NPP	25.47699	76.54364	12:49:58	D	6.60
81	KOTA	PIPALDA	S-NPP	25.47777	76.54708	12:49:58	D	6.60
82	KOTA	PIPALDA	S-NPP	25.48182	76.51643	12:49:58	D	8.90
83	KOTA	PIPALDA	S-NPP	25.48260	76.51993	12:49:58	D	14.60
84	KOTA	PIPALDA	S-NPP	25.78628	76.49785	14:30:15	D	3.30
85	KOTA	SANGOD	S-NPP	25.06416	76.21819	12:49:58	D	4.30
86	SWAIMADHOPUR	KHANDAR	S-NPP	25.86743	76.52808	12:49:58	D	2.10
87	SWAIMADHOPUR	KHANDAR	S-NPP	25.88960	76.48193	12:49:58	D	3.50
88	SWAIMADHOPUR	KHANDAR	S-NPP	25.96358	76.61758	12:49:58	D	2.70
89	SWAIMADHOPUR	KHANDAR	S-NPP	25.97036	76.64795	12:49:58	D	1.20

Details of residue burning events in Madhya Pradesh on 30-Oct-2024

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.46077	77.53954	12:49:58	D	1.50
2	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.46377	77.67579	12:49:58	D	8.00
3	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.62881	77.52589	12:49:58	D	3.60
4	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.65517	77.50231	12:49:58	D	2.40
5	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.79893	77.54404	12:49:58	D	6.80
6	ASHOKNAGAR	CHANDERI	S-NPP	24.58037	77.92516	12:49:58	D	4.50
7	ASHOKNAGAR	CHANDERI	S-NPP	24.70782	78.08203	12:49:58	D	6.60
8	ASHOKNAGAR	ISAGARH	S-NPP	24.81977	77.73299	12:49:58	D	3.20
9	ASHOKNAGAR	MUNGAOLI	S-NPP	24.33002	77.87244	12:49:58	D	5.70
10	ASHOKNAGAR	MUNGAOLI	S-NPP	24.37205	78.01917	12:49:58	D	11.10
11	ASHOKNAGAR	MUNGAOLI	S-NPP	24.41595	77.86176	12:49:58	D	3.90
12	ASHOKNAGAR	MUNGAOLI	S-NPP	24.53538	77.96378	12:49:58	D	5.40
13	ASHOKNAGAR	MUNGAOLI	S-NPP	24.53706	77.96125	12:49:58	D	11.20
14	ASHOKNAGAR	MUNGAOLI	S-NPP	24.54022	77.96251	12:49:58	D	5.40
15	BETUL	BETUL	S-NPP	22.14821	77.98320	12:49:58	D	1.30
16	BHIND	BHIND	S-NPP	26.53069	78.72254	12:49:58	D	3.30
17	BHIND	LAHAR	S-NPP	26.00739	78.81201	12:49:58	D	3.20
18	BHIND	MAJHGAWAN	S-NPP	26.25254	78.91985	12:49:58	D	5.50
19	BHOPAL	HUZUR	S-NPP	23.45318	77.31207	12:49:58	D	3.00
20	DAMOH	PATERA	S-NPP	23.86052	79.79414	12:49:58	D	3.60
21	DATIA	BHANDER	S-NPP	25.86039	78.71876	12:49:58	D	2.40
22	DATIA	DATIA	S-NPP	25.66919	78.60294	12:49:58	D	4.60
23	DATIA	DATIA	S-NPP	25.67104	78.60539	12:49:58	D	4.70
24	DATIA	SEONDHA	S-NPP	25.92494	78.62034	12:49:58	D	4.50
25	DATIA	SEONDHA	S-NPP	26.00814	78.70097	12:49:58	D	4.70
26	DATIA	SEONDHA	S-NPP	26.00928	78.70311	12:49:58	D	7.40
27	DATIA	SEONDHA	S-NPP	26.07504	78.72360	12:49:58	D	4.80
28	GUNA	ARON	S-NPP	24.27086	77.55347	12:49:58	D	2.20
29	GUNA	ARON	S-NPP	24.32875	77.46604	12:49:58	D	2.50

30	GUNA	ARON	S-NPP	24.34721	77.50166	12:49:58	D	1.00
31	GUNA	ARON	S-NPP	24.35450	77.46276	12:49:58	D	3.50
32	GUNA	ARON	S-NPP	24.35670	77.44869	12:49:58	D	1.40
33	GUNA	ARON	S-NPP	24.35740	77.45189	12:49:58	D	1.40
34	GUNA	ARON	S-NPP	24.36172	77.44746	12:49:58	D	9.20
35	GUNA	ARON	S-NPP	24.36390	77.60113	12:49:58	D	1.40
36	GUNA	ARON	S-NPP	24.36554	77.60251	12:49:58	D	1.70
37	GUNA	ARON	S-NPP	24.46767	77.47921	12:49:58	D	8.30
38	GUNA	ARON	S-NPP	24.47058	77.46841	12:49:58	D	5.20
39	GUNA	GUNA	S-NPP	24.49095	77.39229	12:49:58	D	1.00
40	GUNA	GUNA	S-NPP	24.56188	77.43637	12:49:58	D	4.00
41	GUNA	GUNA	S-NPP	24.56846	77.39424	12:49:58	D	2.10
42	GUNA	GUNA	S-NPP	24.57175	77.45723	12:49:58	D	6.30
43	GUNA	GUNA	S-NPP	24.58615	77.42666	12:49:58	D	3.80
44	GUNA	GUNA	S-NPP	24.59892	77.43680	12:49:58	D	2.80
45	GUNA	GUNA	S-NPP	24.66646	77.36557	12:49:58	D	3.00
46	GUNA	GUNA	S-NPP	24.66832	77.44578	12:49:58	D	3.70
47	GUNA	GUNA	S-NPP	24.66902	77.44892	12:49:58	D	3.70
48	GUNA	GUNA	S-NPP	24.72828	77.40680	12:49:58	D	3.70
49	GUNA	GUNA	S-NPP	24.73122	77.09355	12:49:58	D	1.70
50	GUNA	GUNA	S-NPP	24.73346	77.38201	12:49:58	D	2.30
51	GUNA	GUNA	S-NPP	24.73414	77.38519	12:49:58	D	2.30
52	GUNA	GUNA	S-NPP	24.77486	77.50123	12:49:58	D	2.20
53	GUNA	GUNA	S-NPP	24.77639	77.46563	12:49:58	D	0.70
54	GUNA	GUNA	S-NPP	24.77838	77.49833	12:49:58	D	6.50
55	GUNA	GUNA	S-NPP	24.77914	77.49677	12:49:58	D	2.20
56	GUNA	GUNA	S-NPP	24.77981	77.49992	12:49:58	D	2.20
57	GUNA	GUNA	S-NPP	24.80207	77.43918	12:49:58	D	3.80
58	GUNA	GUNA	S-NPP	24.81999	77.40089	12:49:58	D	1.80
59	GUNA	GUNA	S-NPP	24.82656	77.47928	12:49:58	D	5.40
60	GUNA	GUNA	S-NPP	24.85968	77.48724	12:49:58	D	2.60
61	GUNA	GUNA	S-NPP	24.87614	76.95686	12:49:58	D	2.70
62	GUNA	GUNA	S-NPP	24.88082	76.95714	12:49:58	D	5.50
63	GUNA	GUNA	S-NPP	24.94164	77.05704	12:49:58	D	2.60

64	GUNA	GUNA	S-NPP	24.96425	77.18324	12:49:58	D	2.20
65	GUNA	GUNA	S-NPP	24.97502	77.15969	12:49:58	D	3.90
66	GUNA	GUNA	S-NPP	25.04612	76.98534	12:49:58	D	2.40
67	GUNA	GUNA	S-NPP	25.10211	77.26314	12:49:58	D	1.90
68	GWALIOR	BHITARWAR	S-NPP	25.84250	78.13880	12:49:58	D	8.90
69	GWALIOR	BHITARWAR	S-NPP	25.84833	78.14309	12:49:58	D	8.90
70	GWALIOR	BHITARWAR	S-NPP	25.90628	78.13151	12:49:58	D	1.80
71	GWALIOR	BHITARWAR	S-NPP	25.97276	78.07395	12:49:58	D	3.80
72	GWALIOR	BHITARWAR	S-NPP	25.99121	78.16168	12:49:58	D	12.50
73	GWALIOR	GWALIOR	S-NPP	26.28254	78.12926	12:49:58	D	3.20
74	GWALIOR	GWALIOR	S-NPP	26.32447	78.28175	12:49:58	D	4.60
75	HOSHANGABAD	BABAI	S-NPP	22.70276	77.91965	12:49:58	D	3.80
76	HOSHANGABAD	BABAI	S-NPP	22.73007	77.92315	12:49:58	D	3.30
77	HOSHANGABAD	BABAI	S-NPP	22.74589	77.92262	12:49:58	D	1.80
78	HOSHANGABAD	BABAI	S-NPP	22.81421	77.97768	12:49:58	D	2.50
79	HOSHANGABAD	HOSHANGABAD	S-NPP	22.64868	77.62177	12:49:58	D	3.10
80	HOSHANGABAD	HOSHANGABAD	S-NPP	22.68938	77.73450	12:49:58	D	2.70
81	HOSHANGABAD	HOSHANGABAD	S-NPP	22.71387	77.64793	12:49:58	D	1.00
82	HOSHANGABAD	ITARSI	S-NPP	22.59418	77.84652	12:49:58	D	3.00
83	HOSHANGABAD	PIPARIYA	S-NPP	22.70678	78.35357	01:40:41	N	1.00
84	HOSHANGABAD	PIPARIYA	S-NPP	22.70730	78.35717	01:40:41	N	0.50
85	HOSHANGABAD	SEONI MALWA	S-NPP	22.51548	77.61172	12:49:58	D	2.30
86	HOSHANGABAD	SEONI MALWA	S-NPP	22.56440	77.58408	12:49:58	D	2.30
87	HOSHANGABAD	SOHAGPUR	S-NPP	22.81067	78.17770	12:49:58	D	2.00
88	JABALPUR	JABALPUR	S-NPP	23.36735	79.93986	12:49:58	D	3.80
89	JABALPUR	PATAN	S-NPP	23.21715	79.80302	12:49:58	D	5.30
90	JABALPUR	PATAN	S-NPP	23.29721	79.78423	12:49:58	D	2.50
91	JABALPUR	PATAN	S-NPP	23.29929	79.78669	12:49:58	D	5.20
92	JABALPUR	SAHPURA	S-NPP	22.98707	79.67455	12:49:58	D	4.20
93	JABALPUR	SIHORA	S-NPP	23.40582	80.08655	12:49:58	D	2.80
94	KATNI	BAHURIBAND	S-NPP	23.78403	79.93362	12:49:58	D	4.20
95	MORENA	JORA	S-NPP	26.41375	77.83546	12:49:58	D	2.20
96	MORENA	JORA	S-NPP	26.43895	77.97517	12:49:58	D	5.30
97	NARSHIMAPURA	GADARWARA	S-NPP	22.94719	78.92633	12:49:58	D	13.20

98	NARSHIMAPURA	GOTECAON	S-NPP	22.98450	79.59174	12:49:58	D	6.10
99	RAISEN	BAGAMGANJ	S-NPP	23.53561	78.41839	12:49:58	D	6.90
100	RAISEN	BARELI	S-NPP	22.91220	78.22700	01:40:41	N	1.20
101	RAISEN	BARELI	S-NPP	23.18466	78.00877	12:49:58	D	3.00
102	RAISEN	GOHARGANJ	S-NPP	23.04290	77.50378	12:49:58	D	3.60
103	RAISEN	GOHARGANJ	S-NPP	23.07475	77.74612	12:49:58	D	2.20
104	RAISEN	GOHARGANJ	S-NPP	23.12628	77.94920	12:49:58	D	2.70
105	RAISEN	RAISEN	S-NPP	23.23258	77.79691	12:49:58	D	1.70
106	RAISEN	RAISEN	S-NPP	23.29455	77.68963	12:49:58	D	4.20
107	RAISEN	RAISEN	S-NPP	23.29652	77.68916	12:49:58	D	3.20
108	RAISEN	UDAIPURA	S-NPP	23.11088	78.71351	12:49:58	D	6.00
109	REWA	HUZUR	S-NPP	24.60517	81.16300	12:49:58	D	1.40
110	REWA	SIRMAUR	S-NPP	24.70577	81.38041	12:49:58	D	3.40
111	SAGAR	REHLI	S-NPP	23.68963	79.02374	12:49:58	D	4.20
112	SAGAR	SAGAR	S-NPP	23.59817	78.67188	12:49:58	D	7.70
113	SAGAR	SAGAR	S-NPP	23.59878	78.67519	12:49:58	D	5.50
114	SAGAR	SAGAR	S-NPP	23.66209	78.78709	12:49:58	D	9.40
115	SATNA	NAGOD	S-NPP	24.52916	80.49683	12:49:58	D	1.50
116	SATNA	NAGOD	S-NPP	24.61974	80.60548	12:49:58	D	7.10
117	SATNA	NAGOD	S-NPP	24.62387	80.60452	12:49:58	D	3.00
118	SATNA	RAGURAJNAGAR	S-NPP	24.62404	80.78270	12:49:58	D	2.00
119	SATNA	UCHAHAR	S-NPP	24.49854	80.71880	12:49:58	D	3.70
120	SATNA	UCHAHAR	S-NPP	24.53783	80.72232	12:49:58	D	1.70
121	SEHORE	BUDHNI	S-NPP	22.67459	77.46494	12:49:58	D	2.90
122	SEHORE	BUDHNI	S-NPP	22.69947	77.58075	12:49:58	D	7.70
123	SEHORE	BUDHNI	S-NPP	22.70650	77.55978	12:49:58	D	4.30
124	SEONI	KEWLARI	S-NPP	22.31636	79.92141	12:49:58	D	3.70
125	SEONI	KEWLARI	S-NPP	22.32148	79.87215	12:49:58	D	3.10
126	SEONI	KEWLARI	S-NPP	22.37116	79.81422	12:49:58	D	8.20
127	SHEOPUR	SHEOPUR	S-NPP	25.79249	76.73448	12:49:58	D	3.30
128	SHEOPUR	SHEOPUR	S-NPP	25.91849	76.83279	12:49:58	D	4.90
129	SHIVPURI	KOLARAS	S-NPP	24.90830	77.66531	12:49:58	D	6.50
130	VIDESHA	VIDESHA	S-NPP	23.70305	77.76063	12:49:58	D	1.60
131	VIDESHA	VIDESHA	S-NPP	23.72146	77.82208	12:49:58	D	1.60

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](#)
