

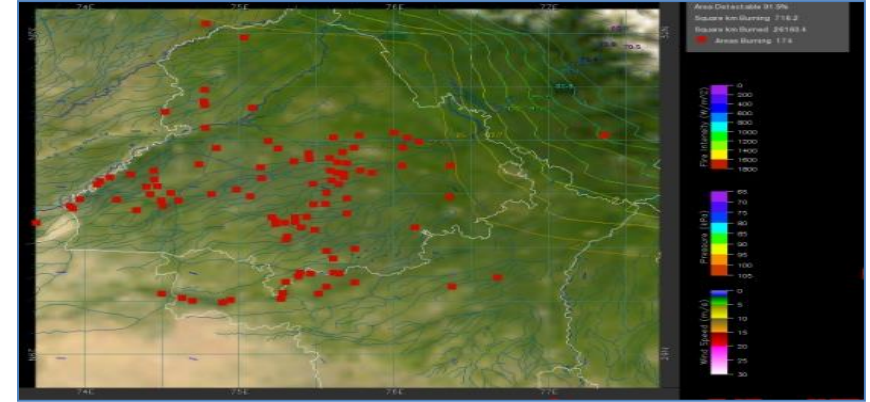
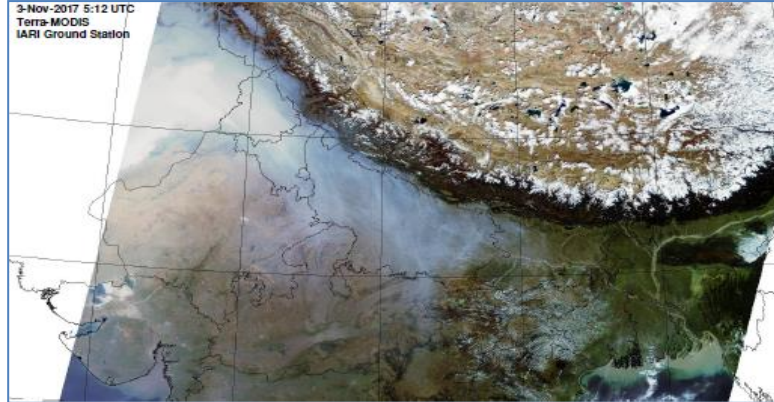


# MONITORING PADDY RESIDUE BURNING IN INDIA USING SATELLITE REMOTE SENSING DURING 2024

Bulletin  
No. 41

Events Date:  
25-Oct-2024

Issued on:  
25-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

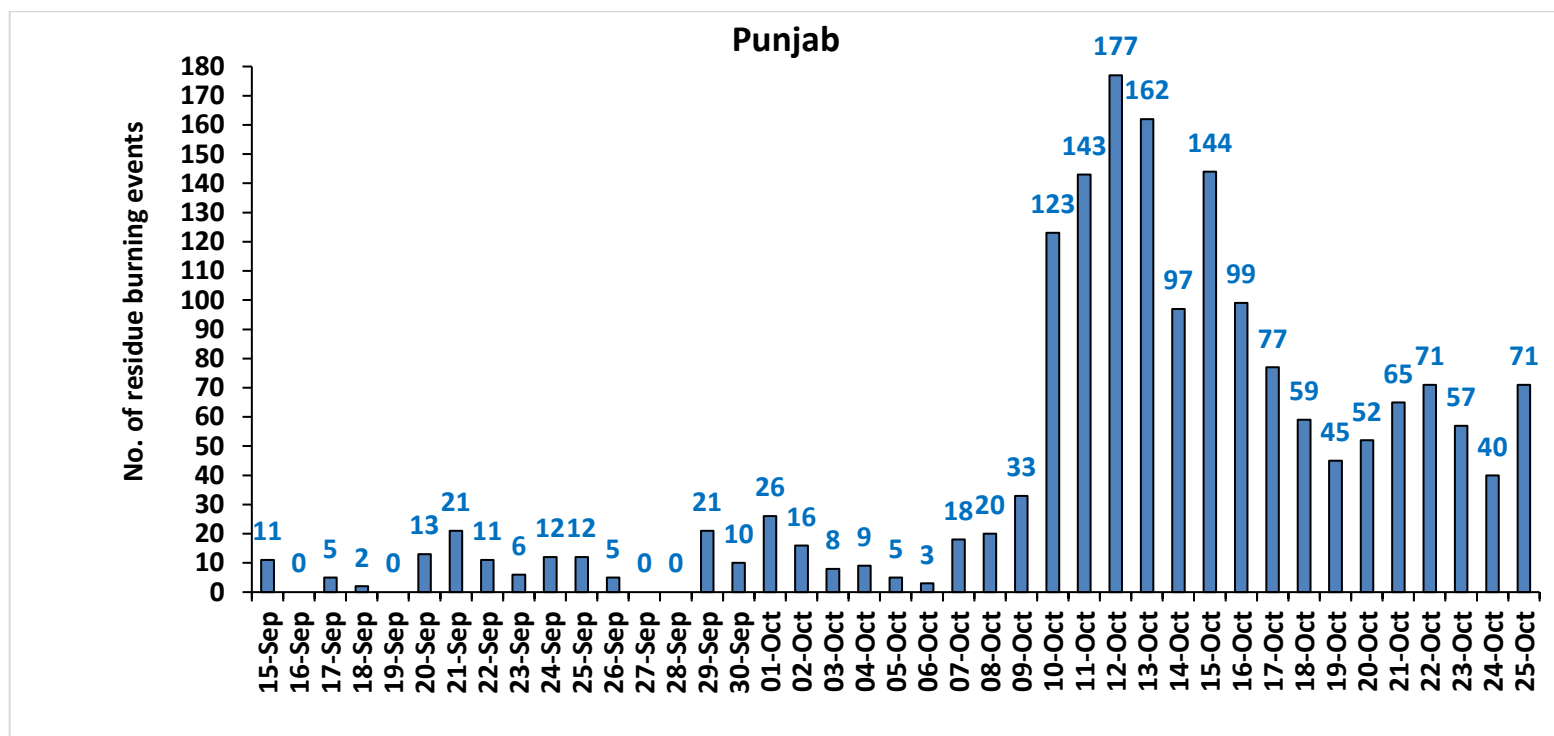
<https://creams.iari.res.in>



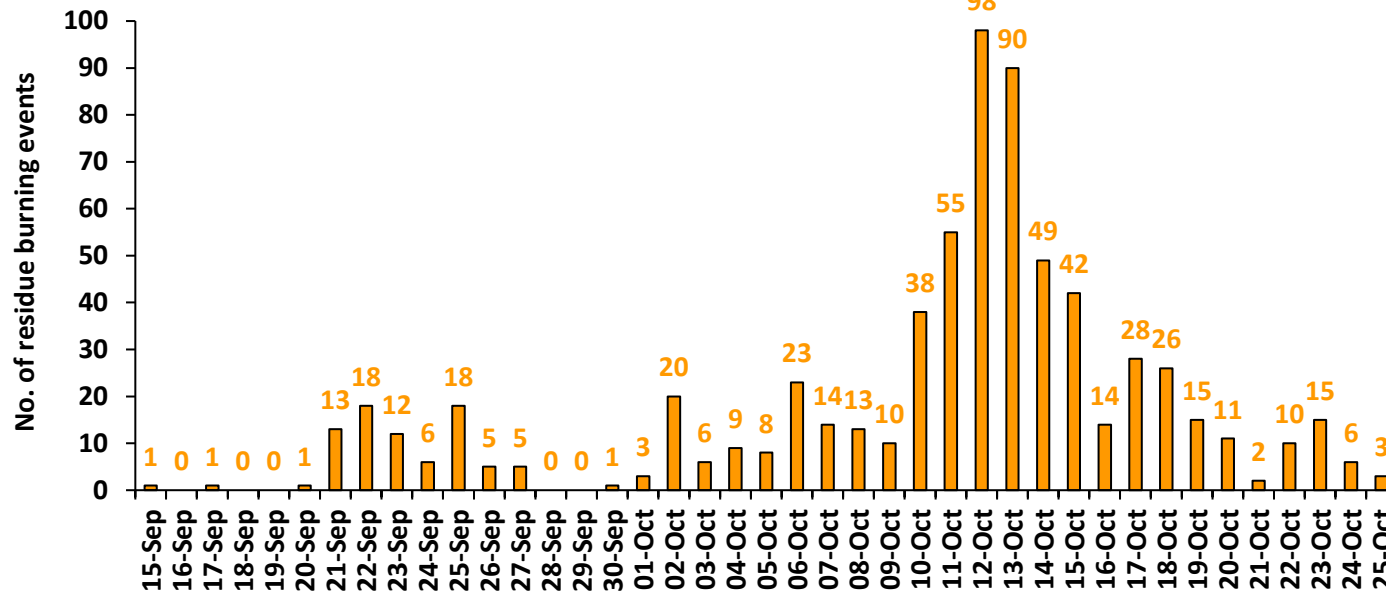
## Highlights for 25-Oct-2024

- The active fire events due to rice residue burning were monitored using satellite remote sensing, following the "Standard Protocol " recommended by CAQM.
- Satellites detected **240** residue burning events in the six study States on **25-Oct-2024**.
- The state wise events detected on **25-Oct-2024** were **71** in Punjab, **03** in Haryana, **23** in UP, **00** in Delhi, **49** in Rajasthan and **94** in MP.
- Total **4609** burning events were detected in the six states between **15-Sept-2024** and **25-Oct-2024**, which are distributed as **1749**, **689**, **849**, **11**, **442** and **869** in Punjab, Haryana, UP, Delhi, Rajasthan and MP, respectively.
- Detection of burning events was hampered by the presence of scattered clouds over central Madhya Pradesh state.

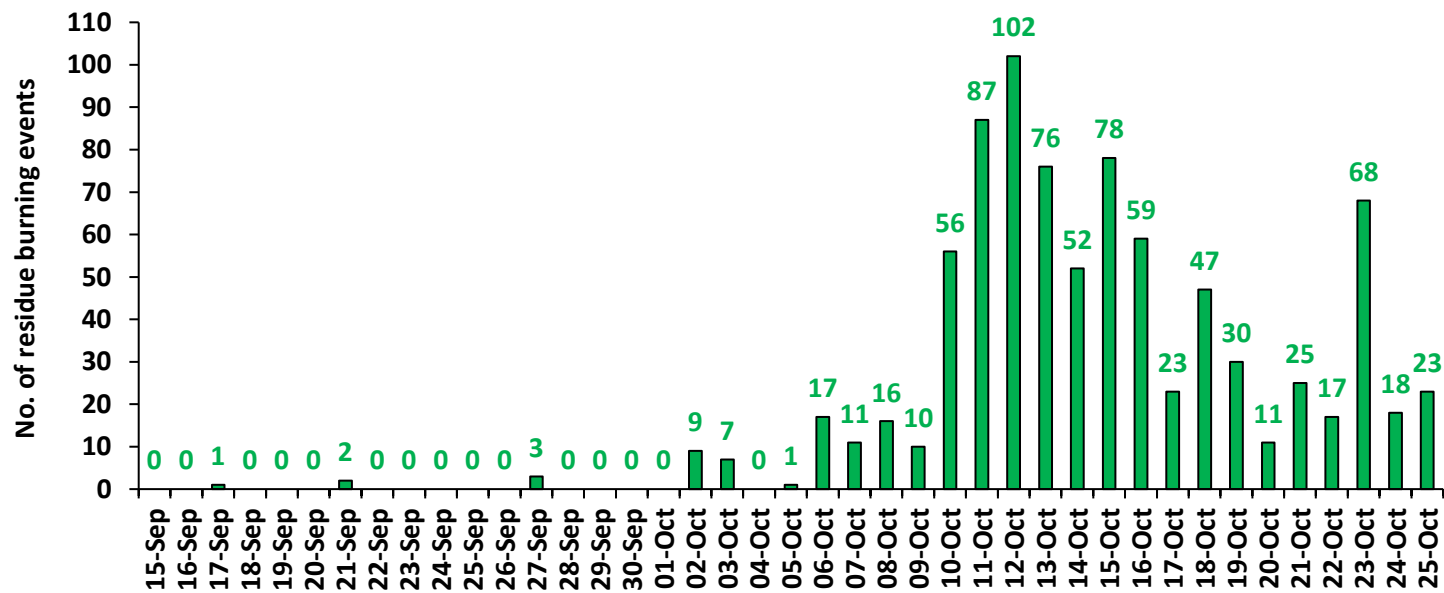
### Temporal distribution of rice residue burning events for the study States in 2024



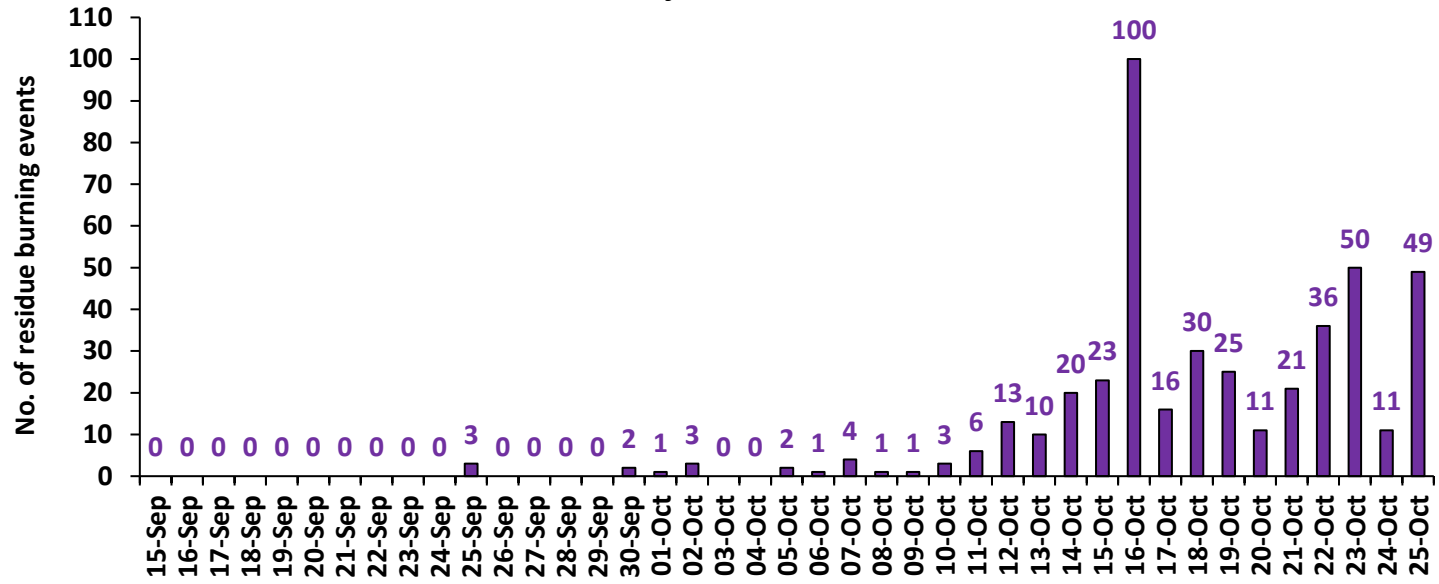
### Haryana



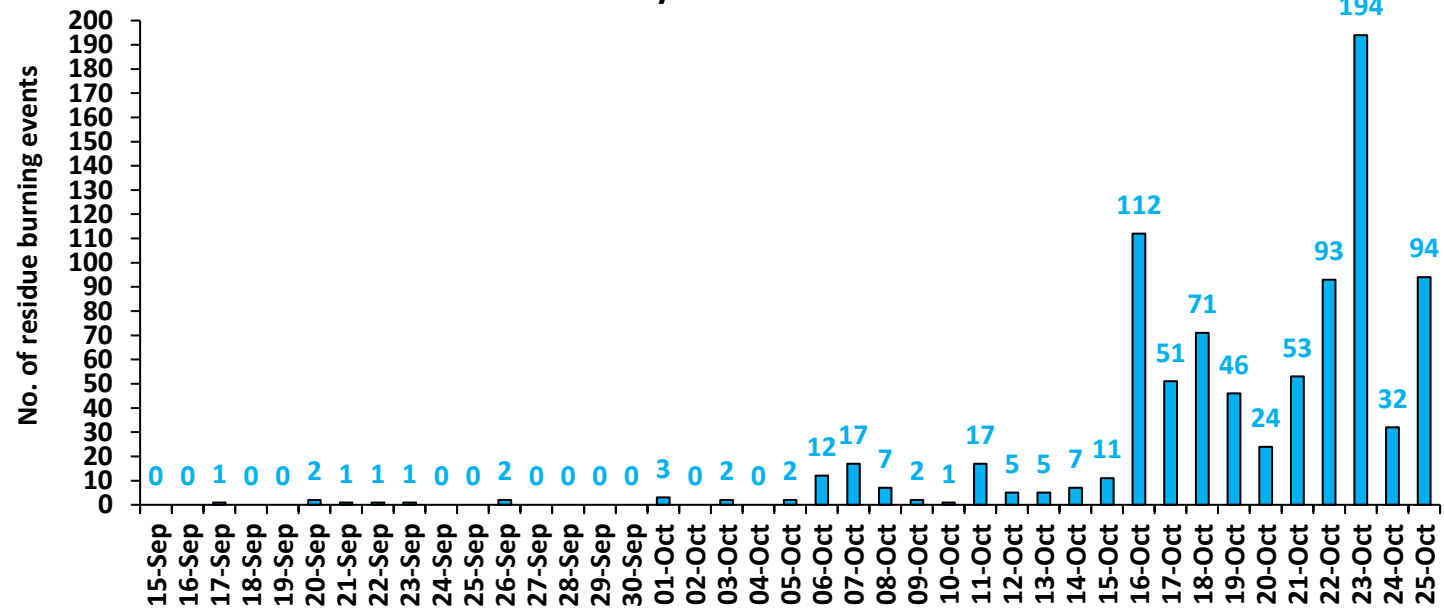
### Uttar Pradesh



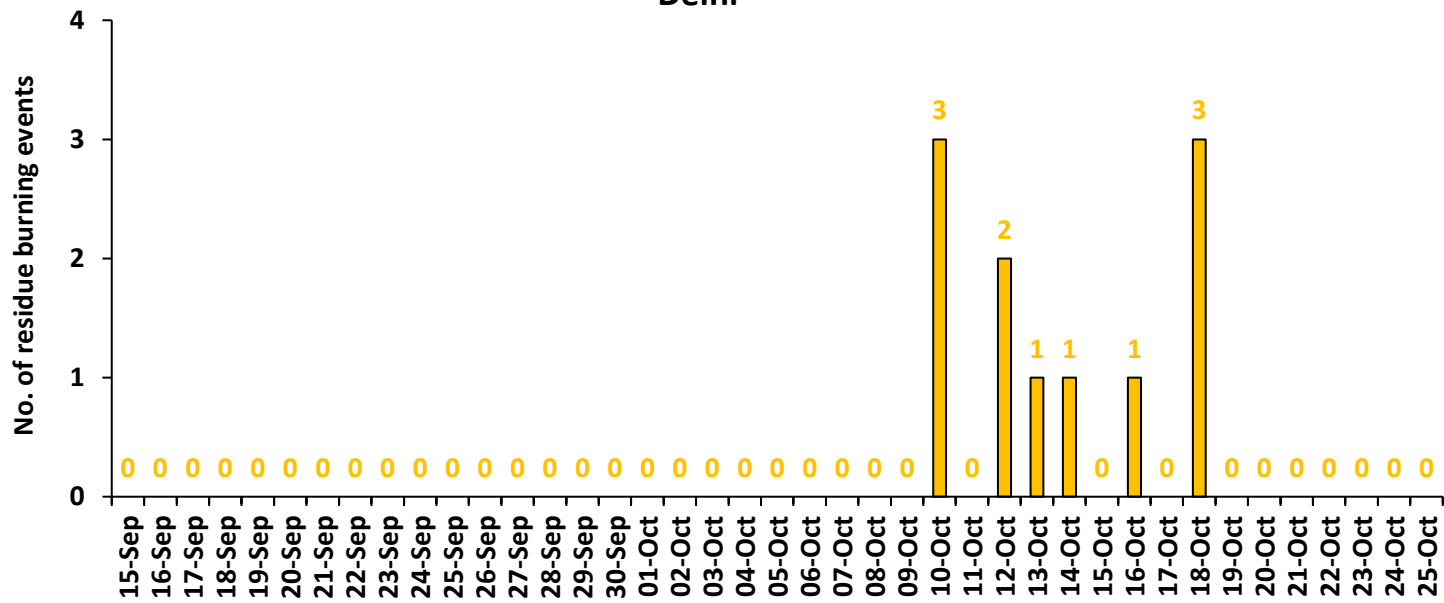
### Rajasthan



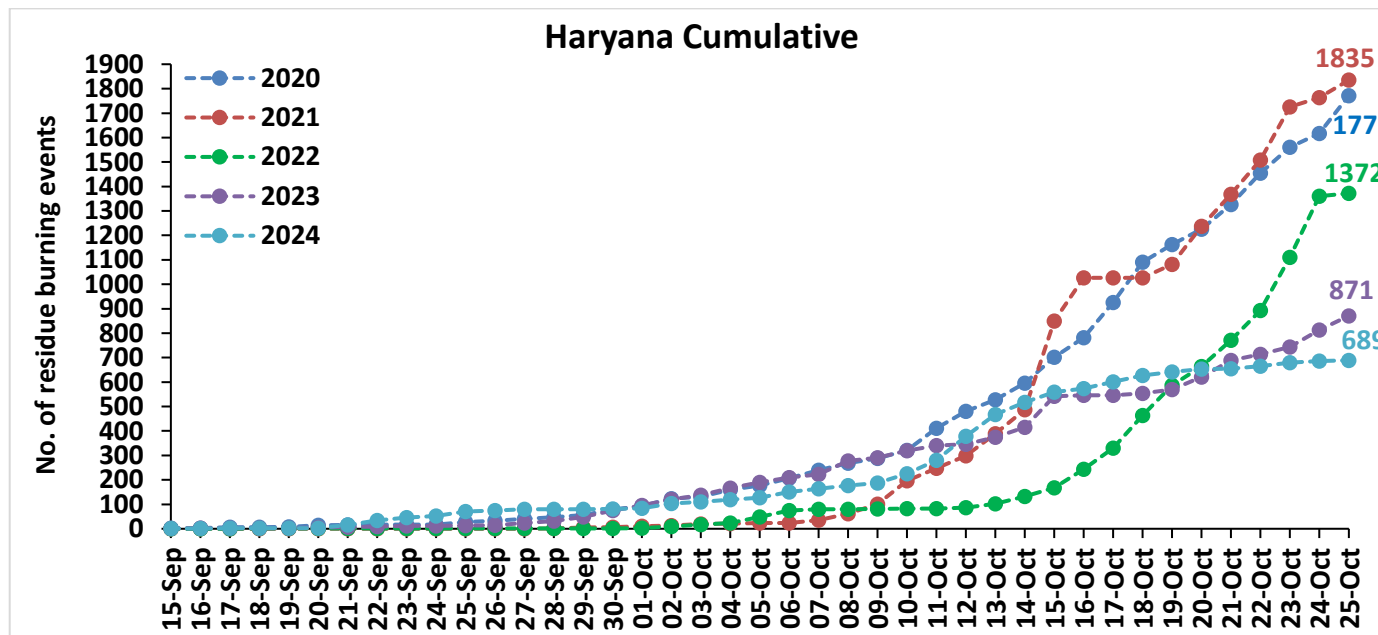
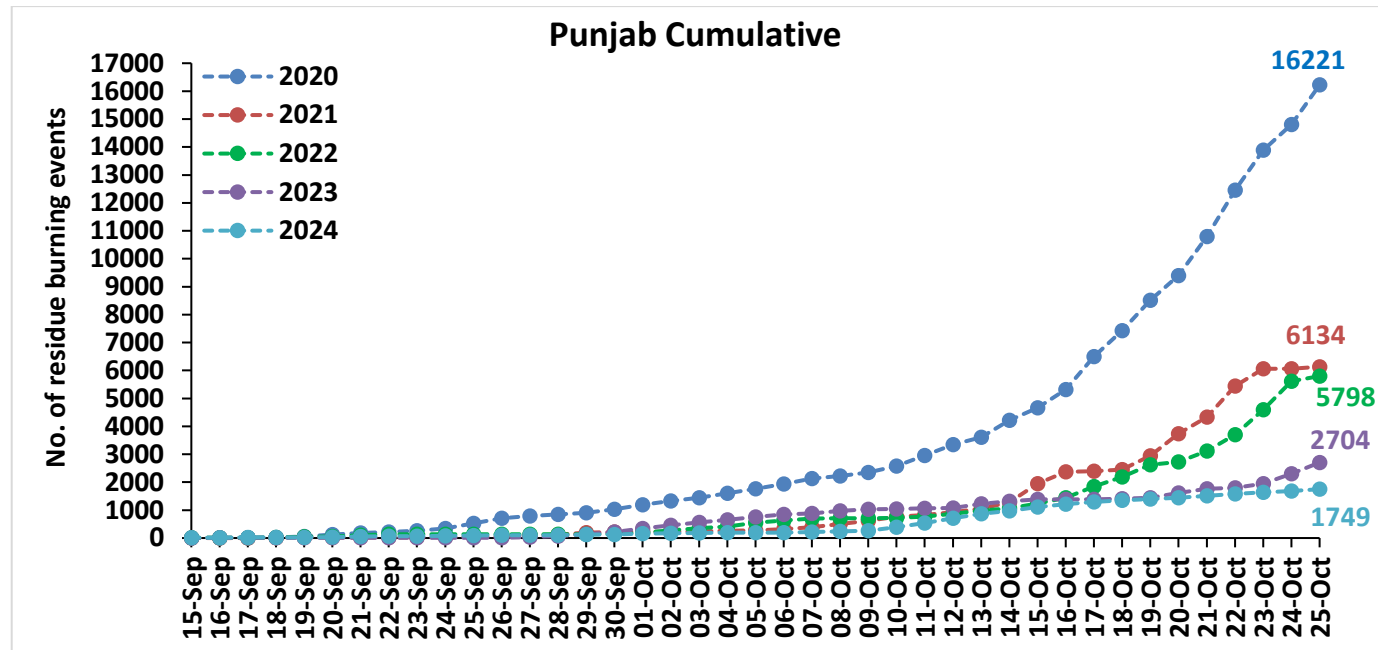
### Madhya Pradesh

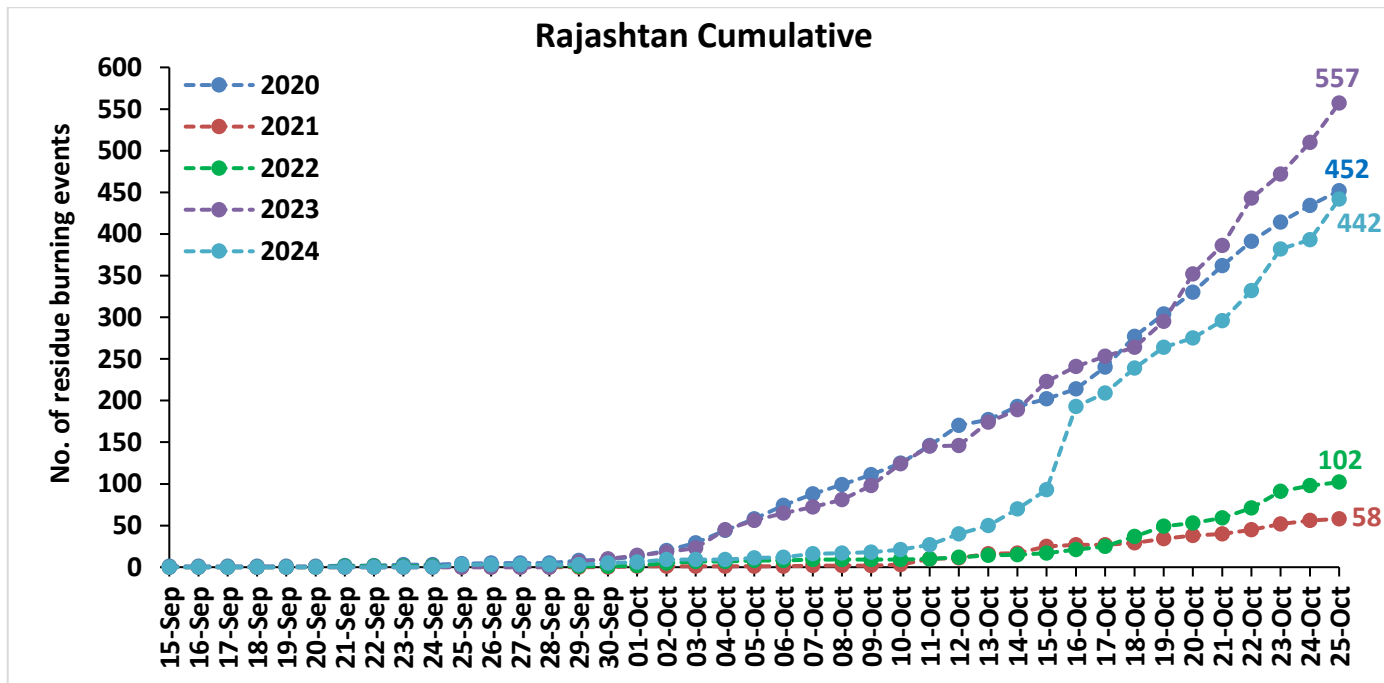
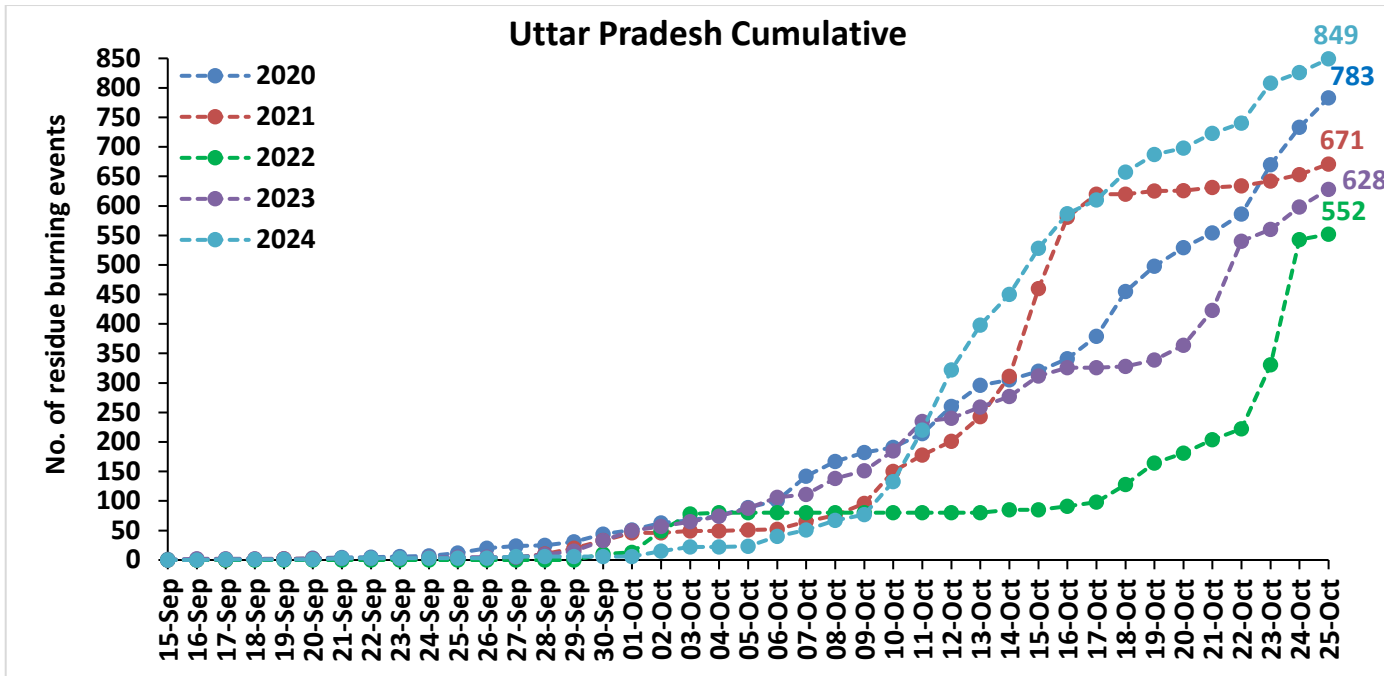


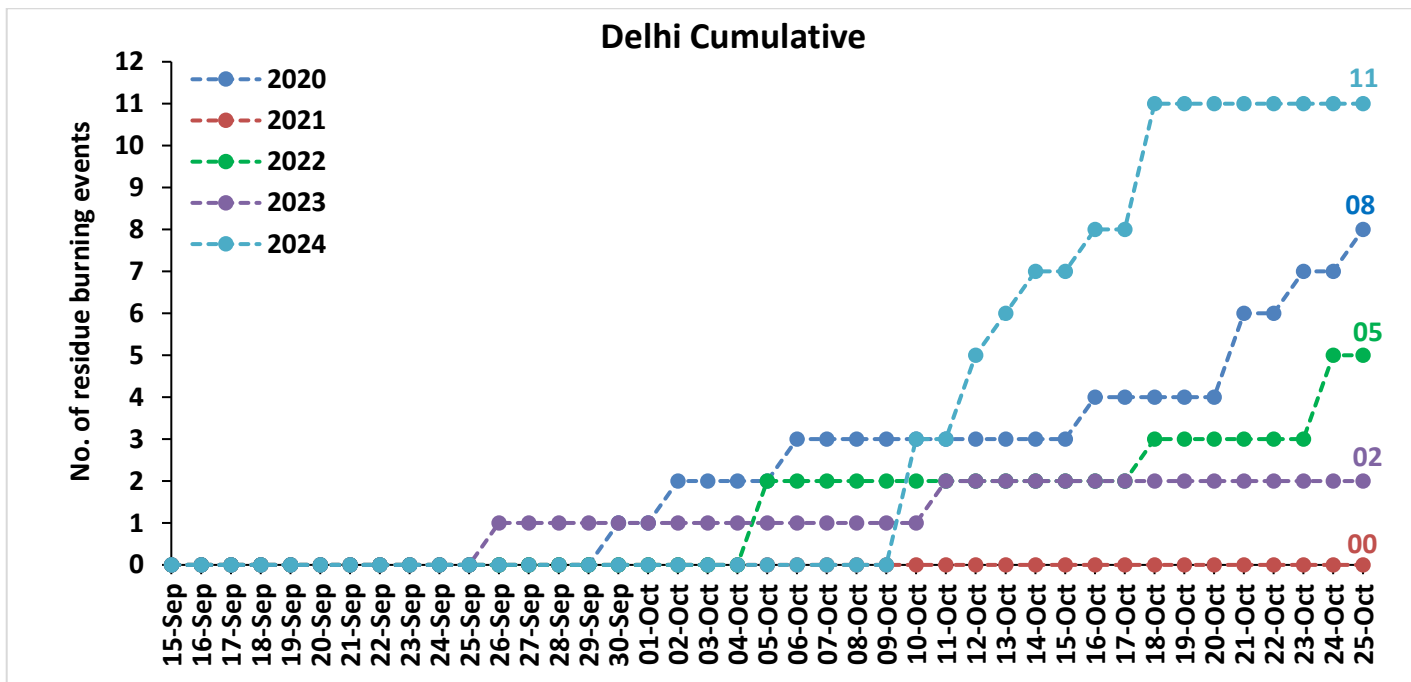
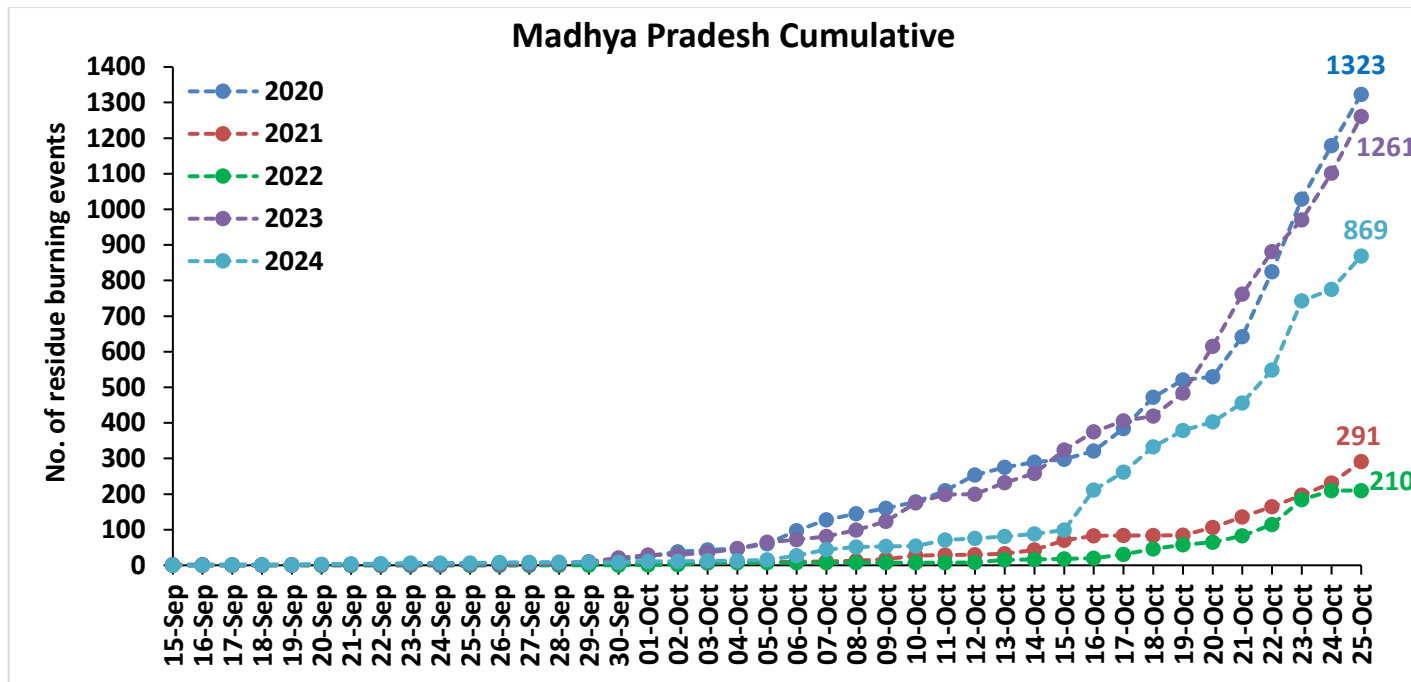
# Delhi



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

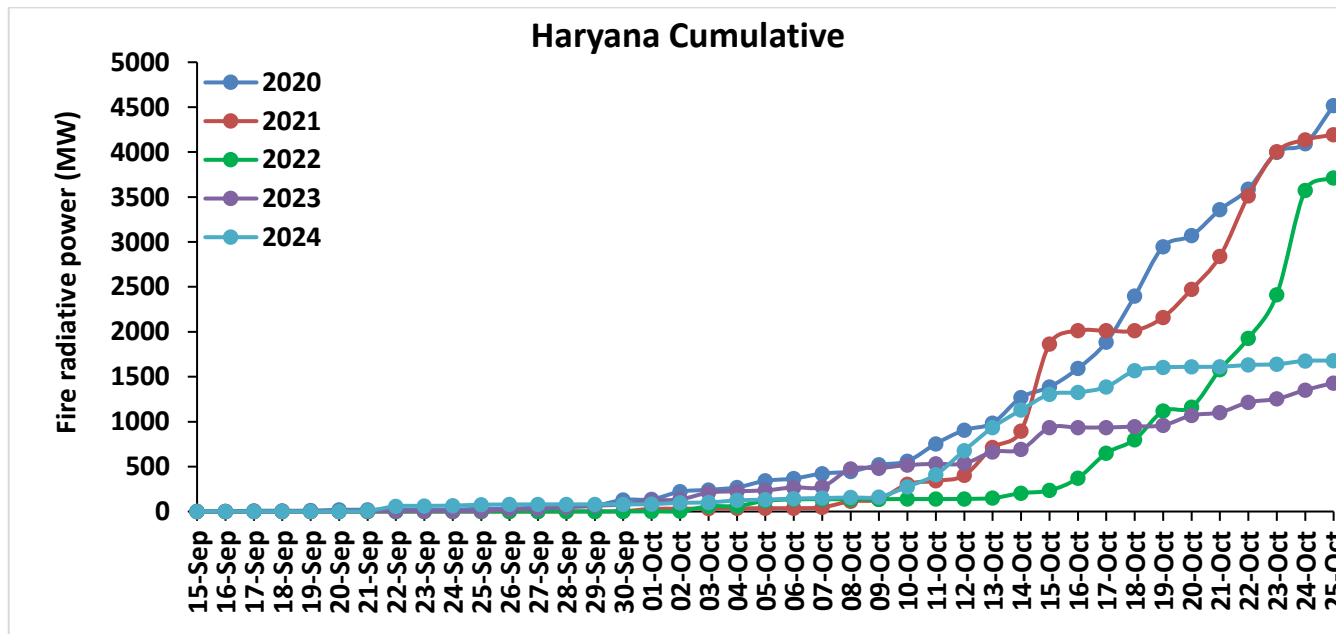
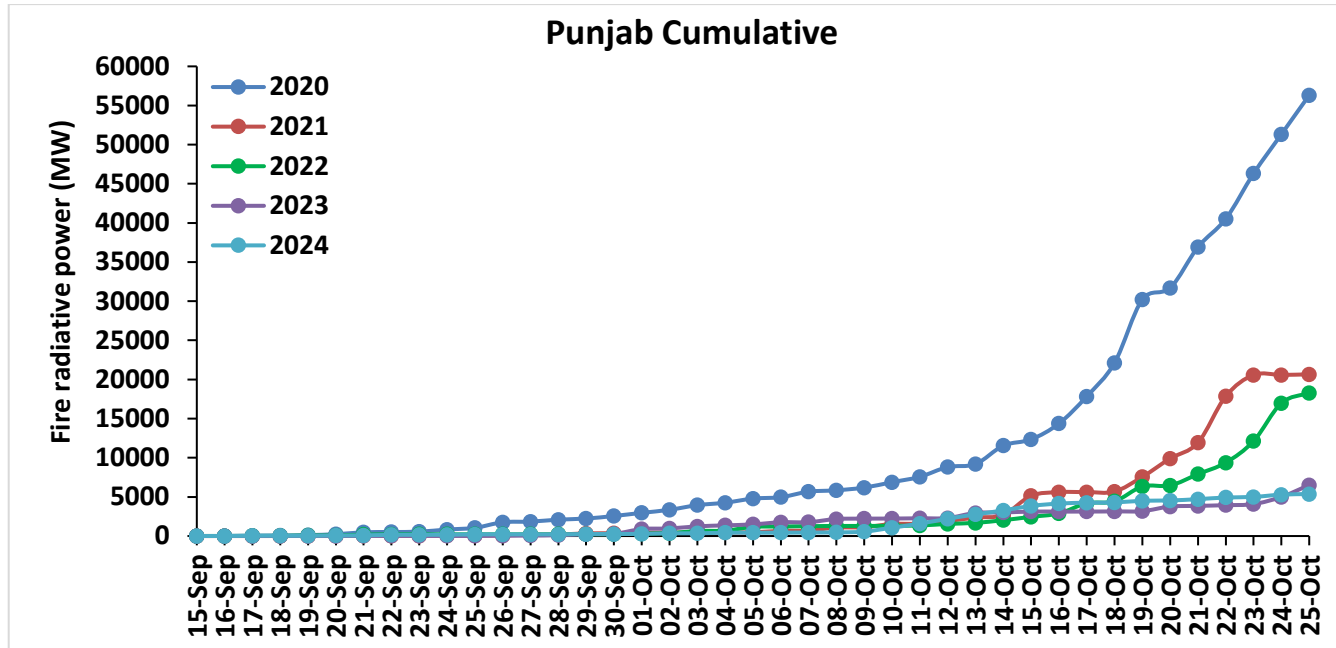


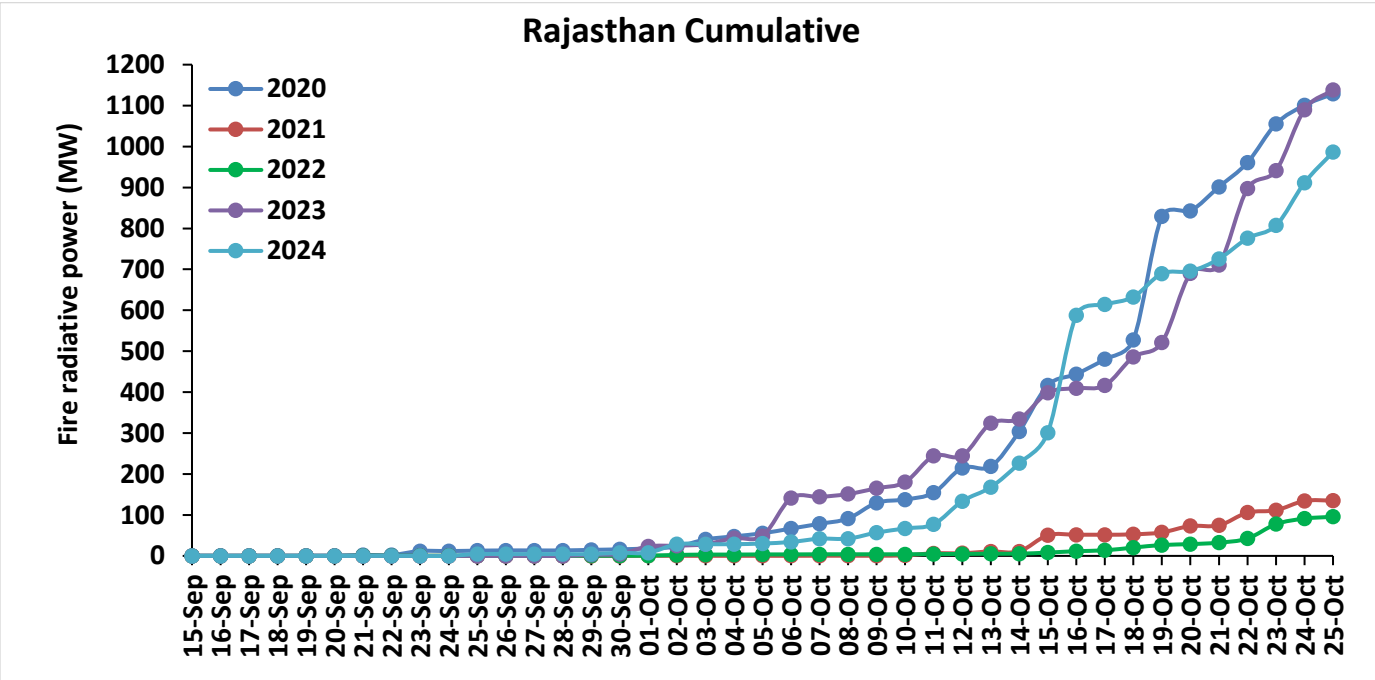
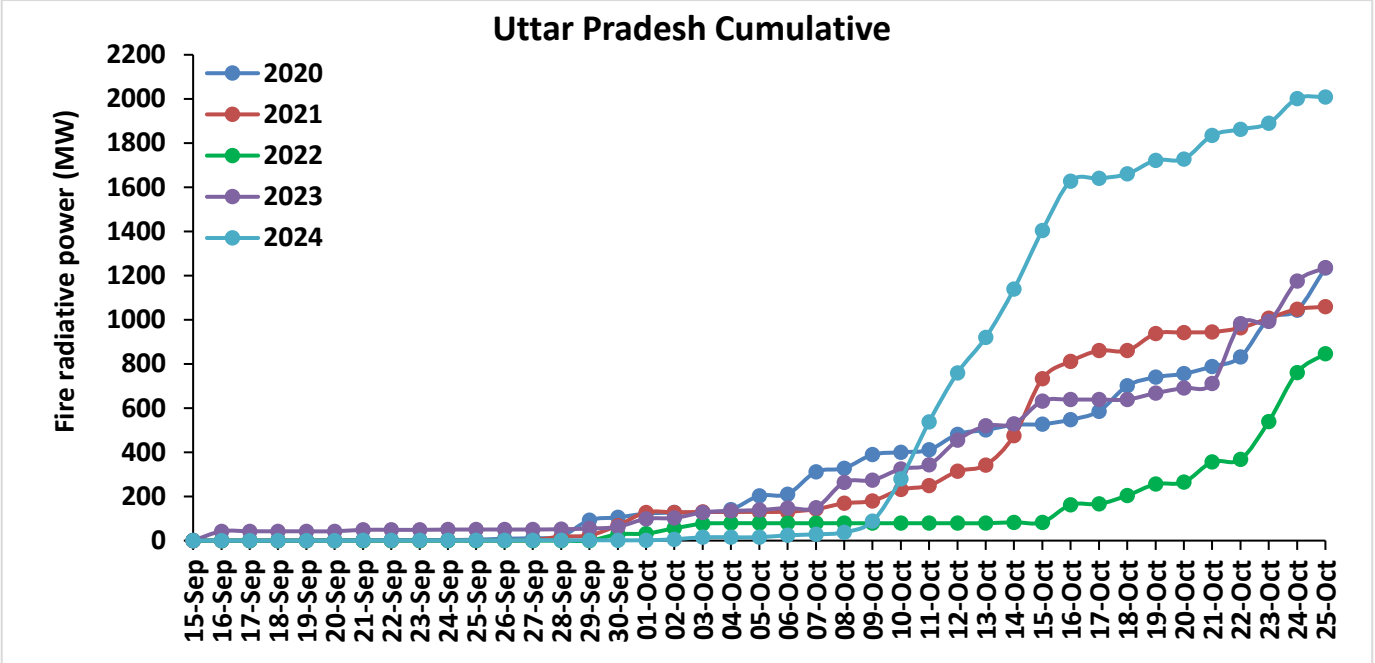




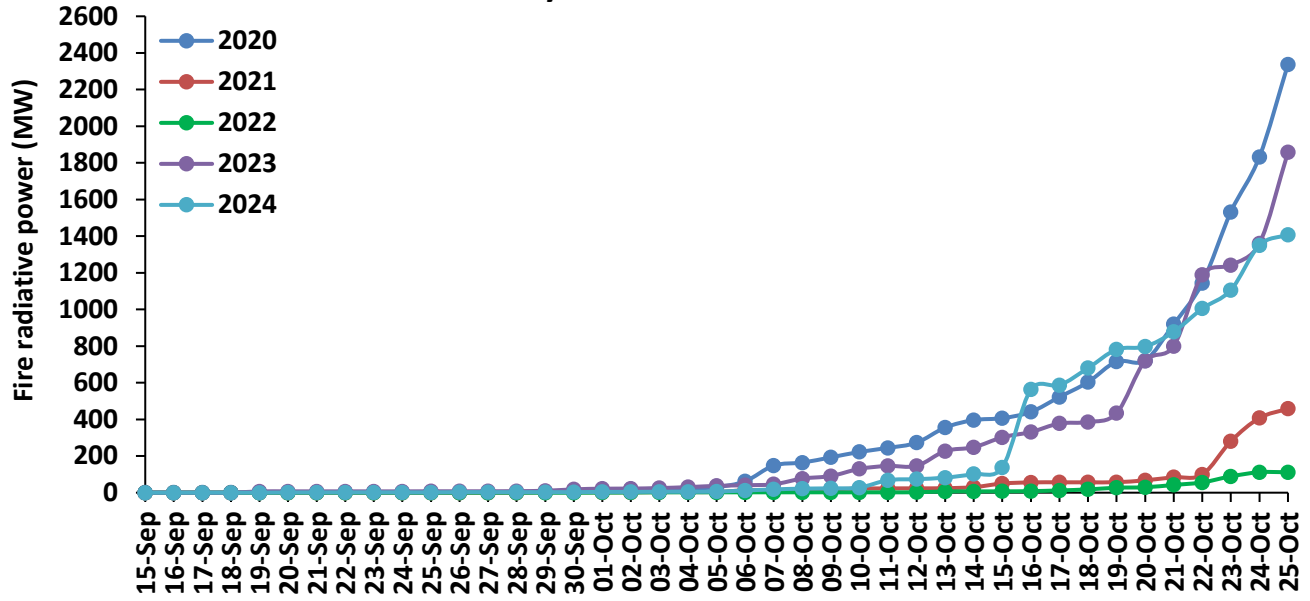


**Comparison of residue burning fire power in current year (2024) with previous years (2020,2021,2022 and 2023) for the study States**

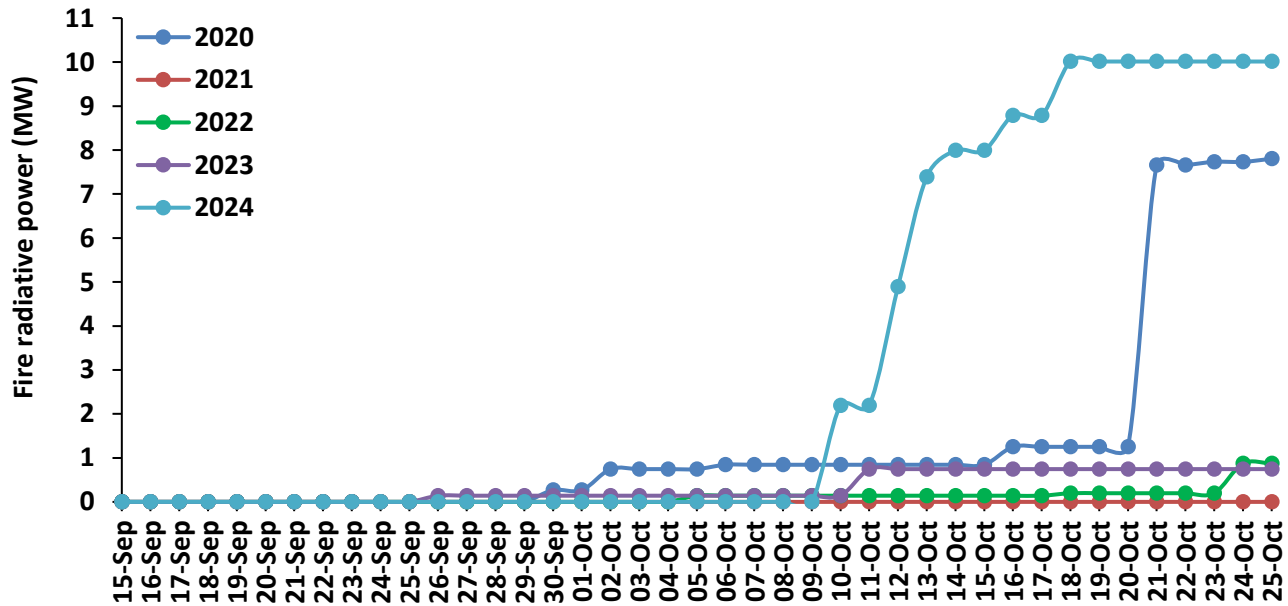




### Madhya Pradesh Cumulative

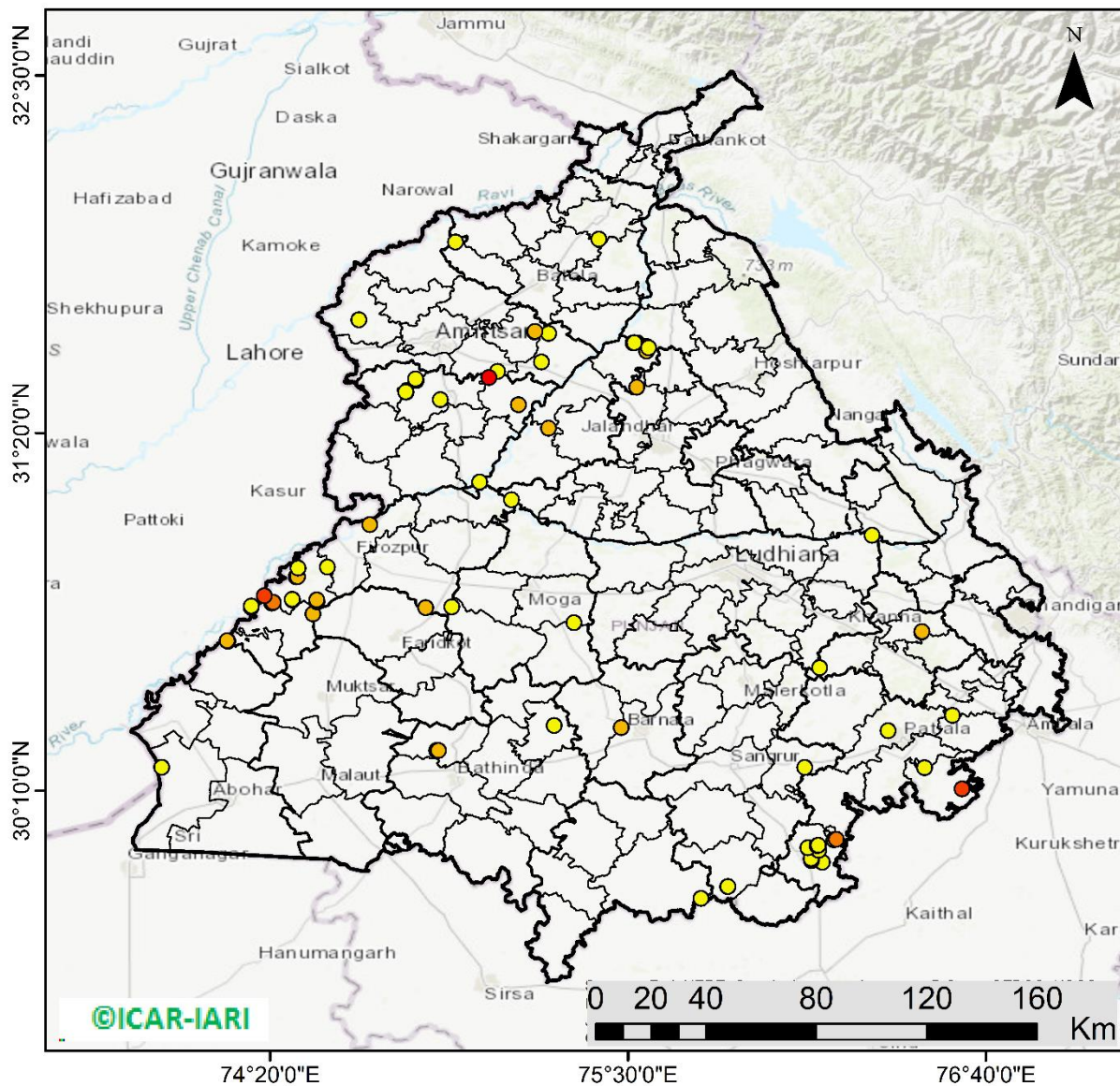


### Delhi Cumulative



# Punjab

## RICE RESIDUE BURNING IN PUNJAB



**71** burning events detected in Punjab during (25th Oct 2024)

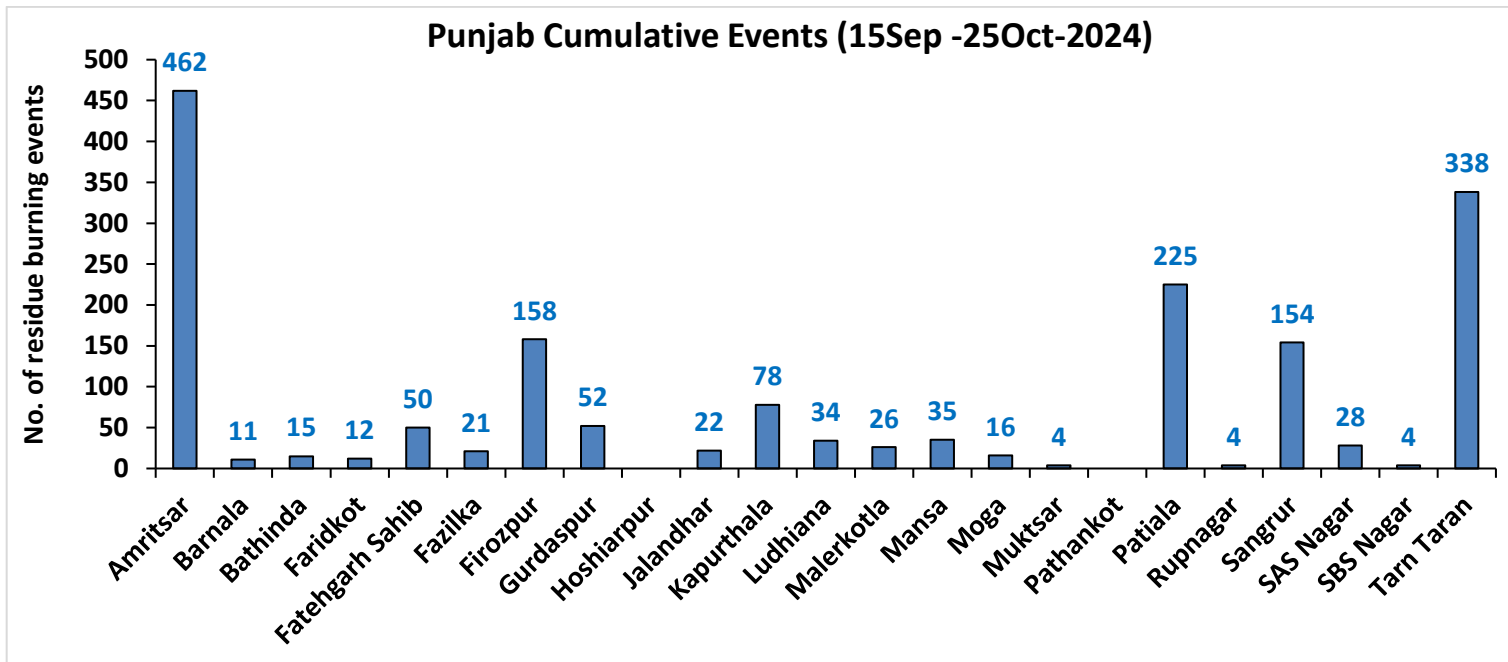
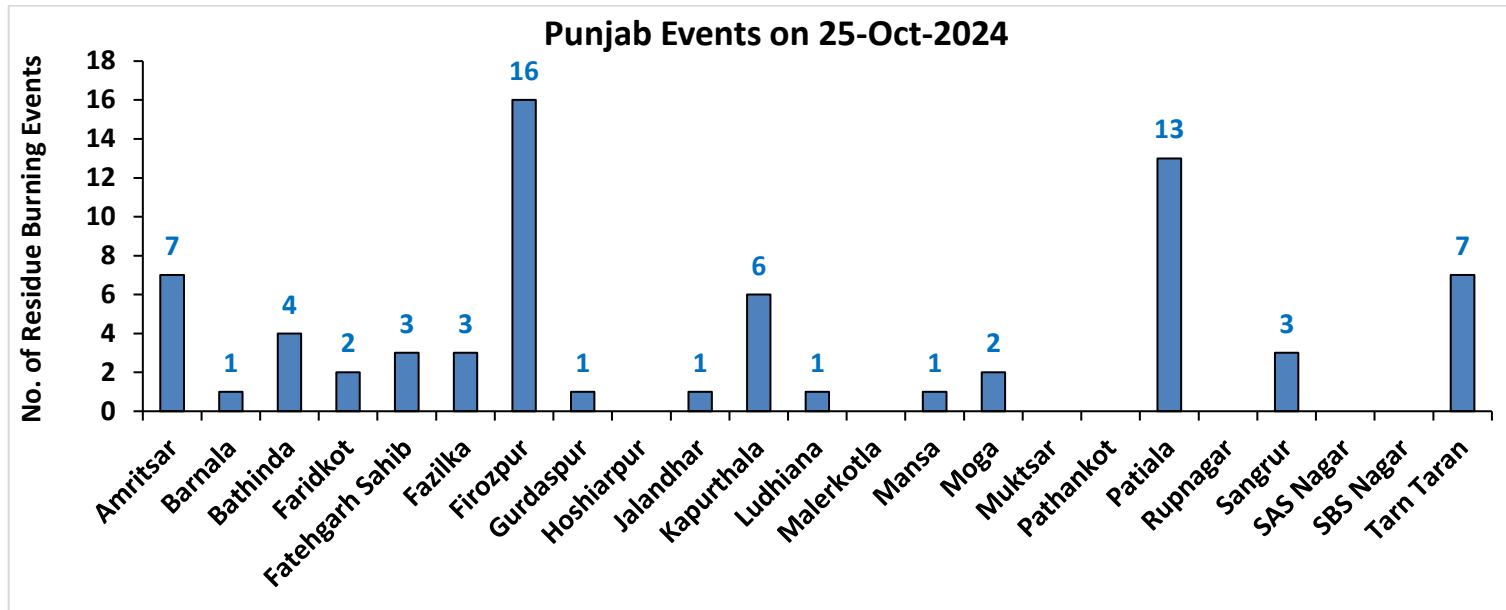
### Fire Intensity (W/m<sup>2</sup>)

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



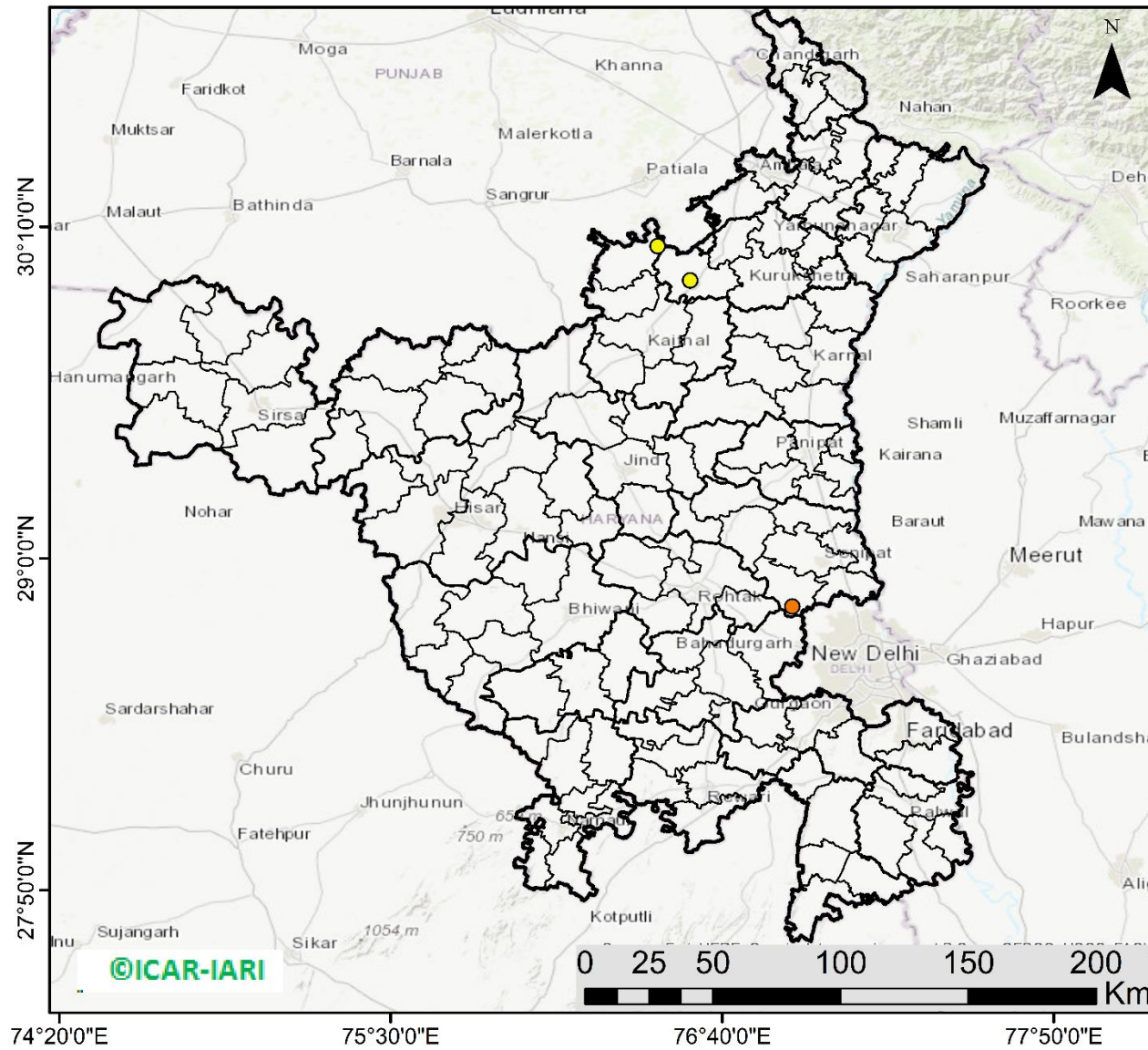
[http://103.111.37.126/icar\\_geoportal/](http://103.111.37.126/icar_geoportal/)

## District-wise cumulative number of residues burning events in Punjab (15Sep-25Oct-2024)



# Haryana

## RICE RESIDUE BURNING IN HARYANA



**03** burning events detected in Haryana on (25th Oct 2024)

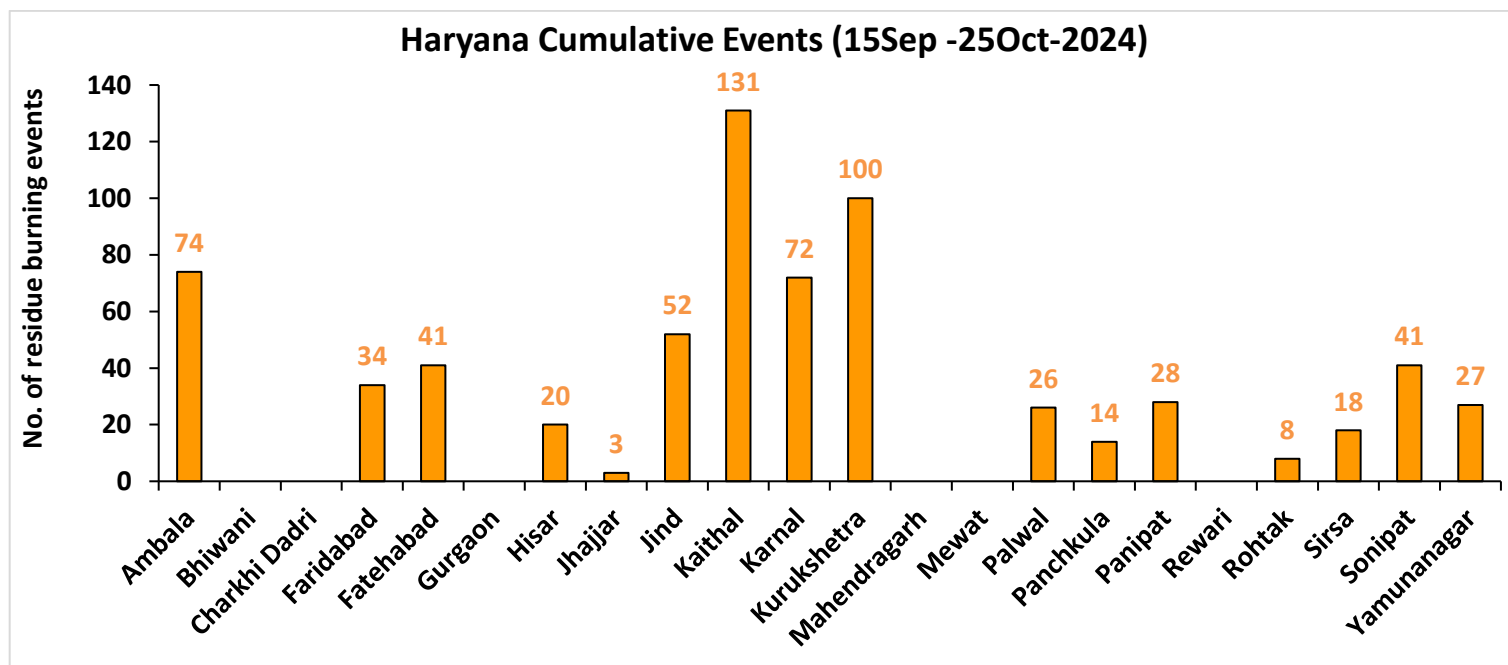
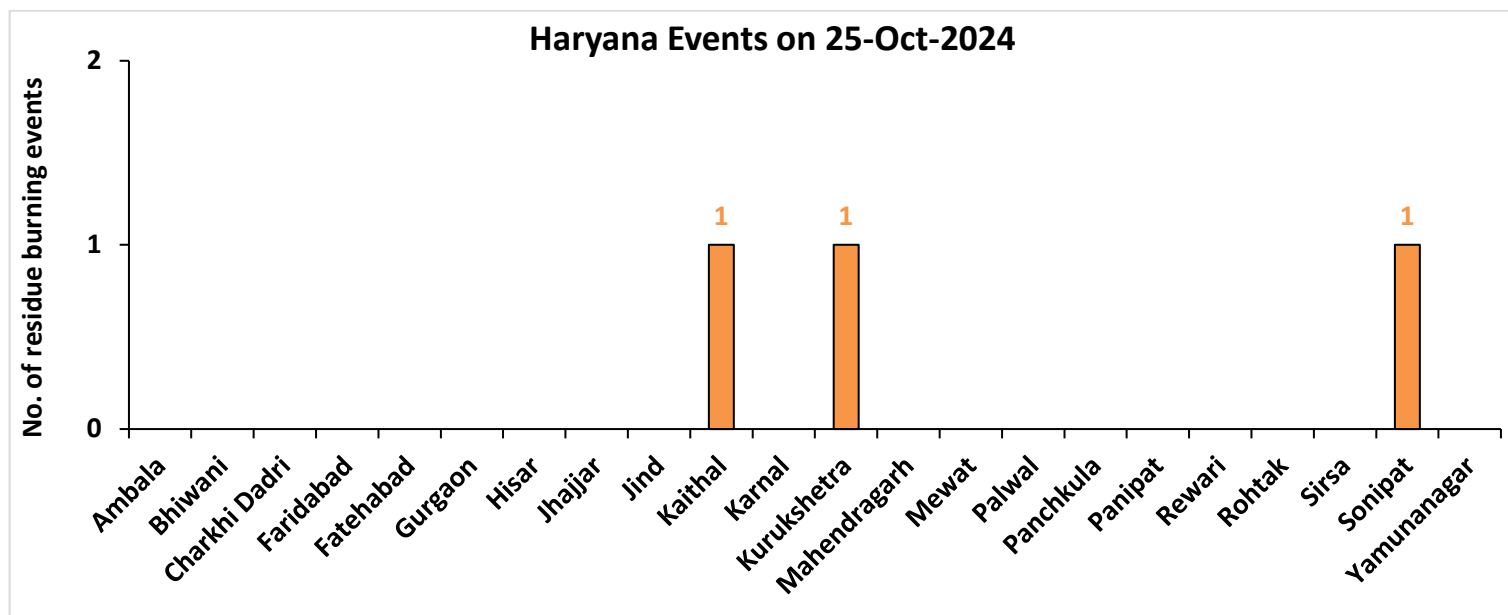
### Fire Intensity (W/m<sup>2</sup>)

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



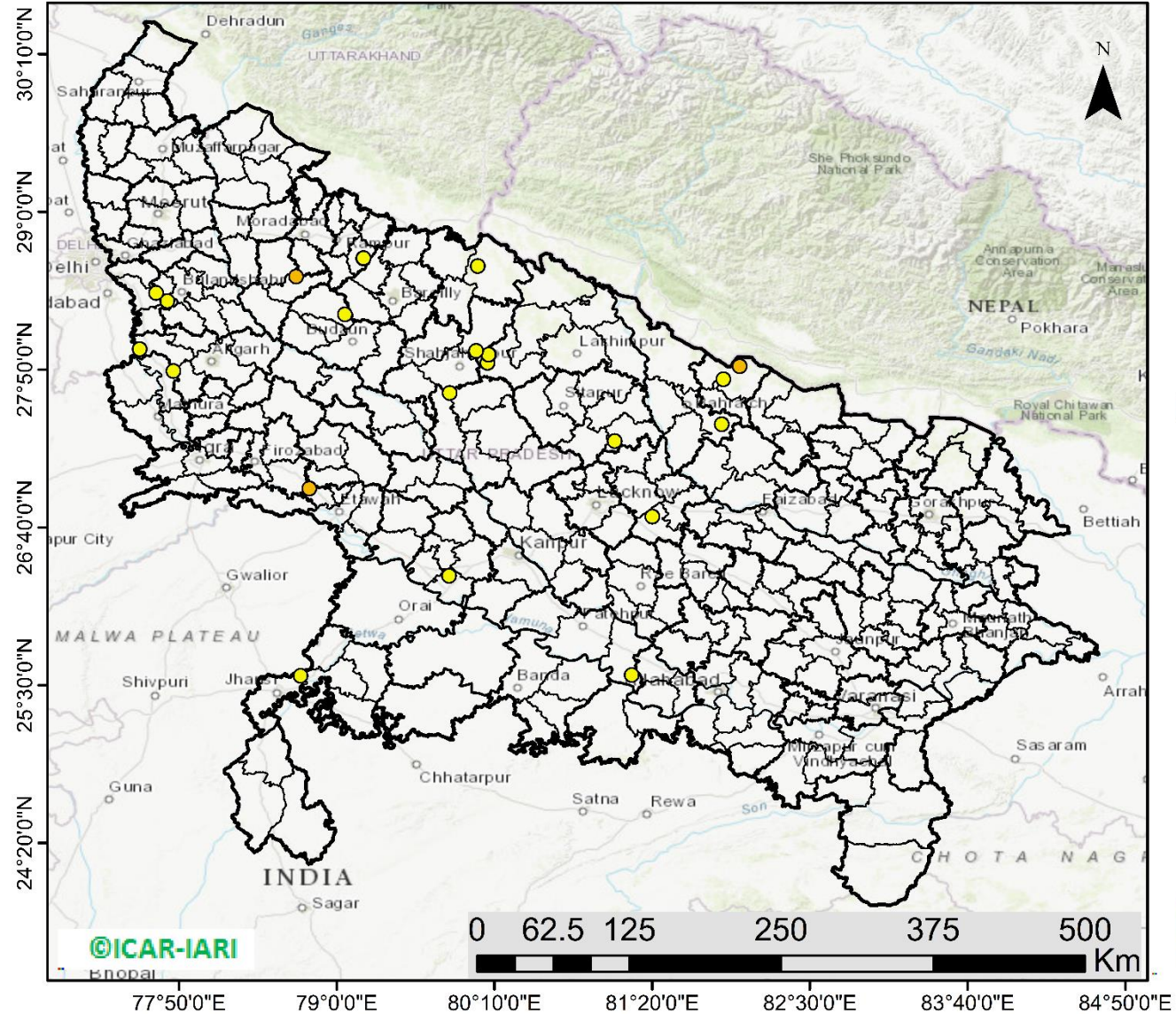
[http://103.111.37.126/icar\\_geoportal/](http://103.111.37.126/icar_geoportal/)

## District-wise cumulative number of residues burning events in Haryana (15Sep-25Oct-2024)



Uttar Pradesh

RICE RESIDUE BURNING IN UTTAR PRADESH



23 burning events detected in Uttar Pradesh on (25th Oct 2024)

Fire Intensity (W/m2)

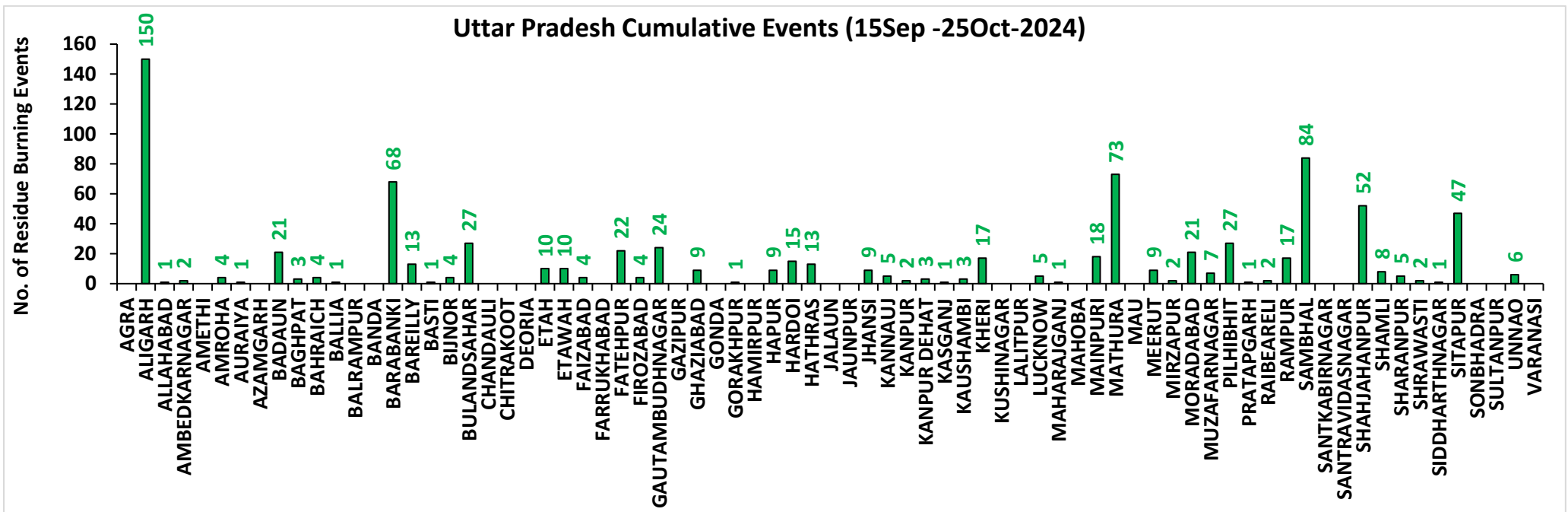
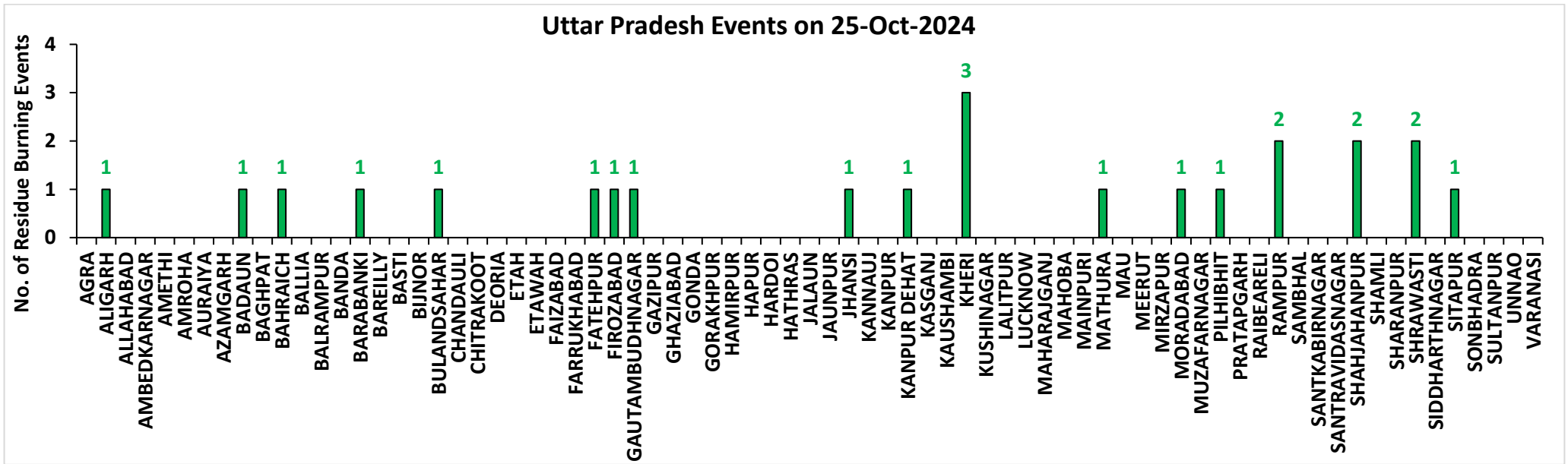
- 0 - 5
- 6 - 10
- 11 - 15
- 16 - 20
- >20



[http://103.111.37.126/icar\\_geoportal/](http://103.111.37.126/icar_geoportal/)

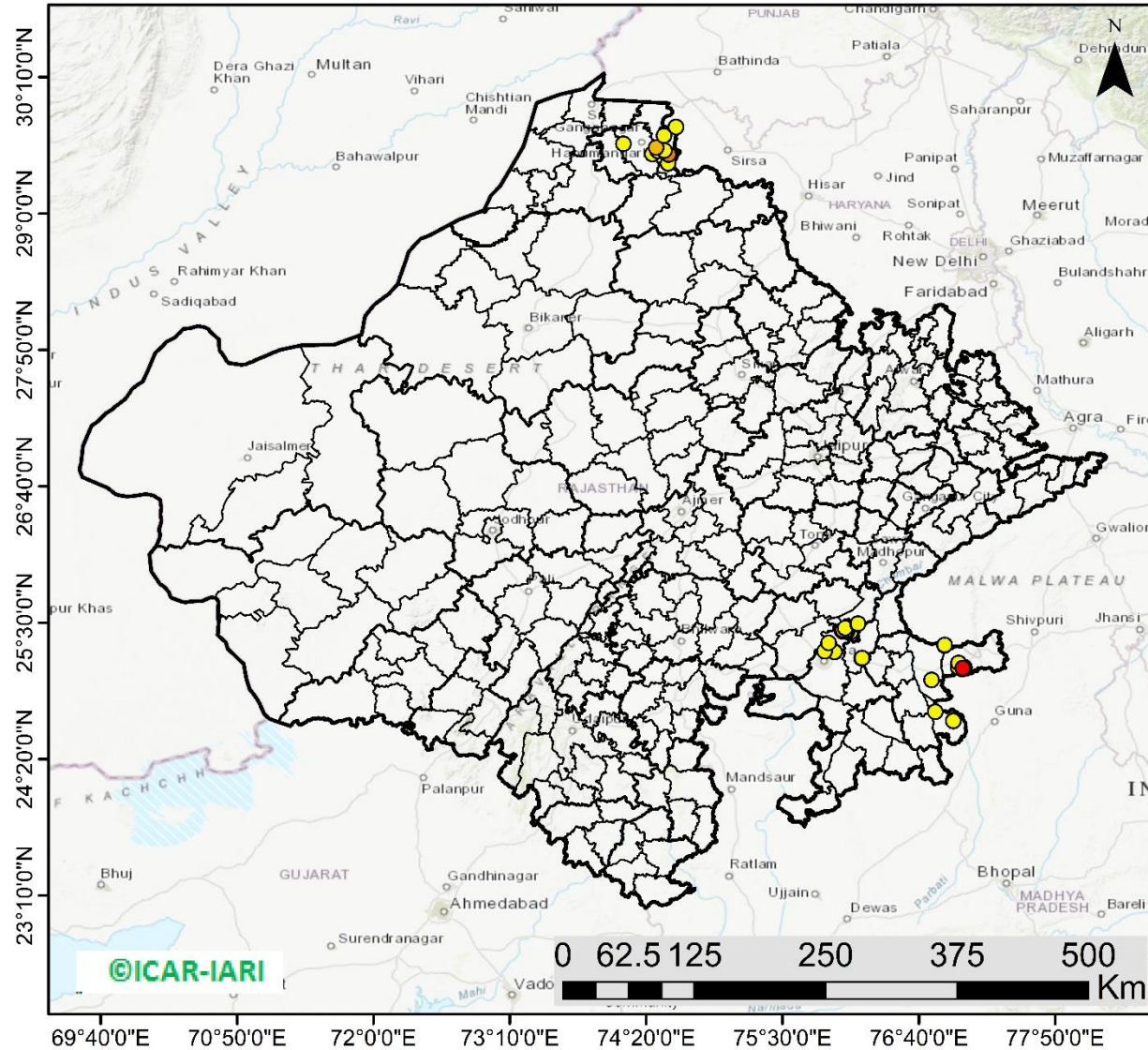


## District-wise cumulative number of residues burning events in Uttar Pradesh (15Sep-25Oct-2024)



# Rajasthan

## RICE RESIDUE BURNING IN RAJASTHAN



**49** burning events  
detected in Rajasthan on  
(25th Oct 2024)

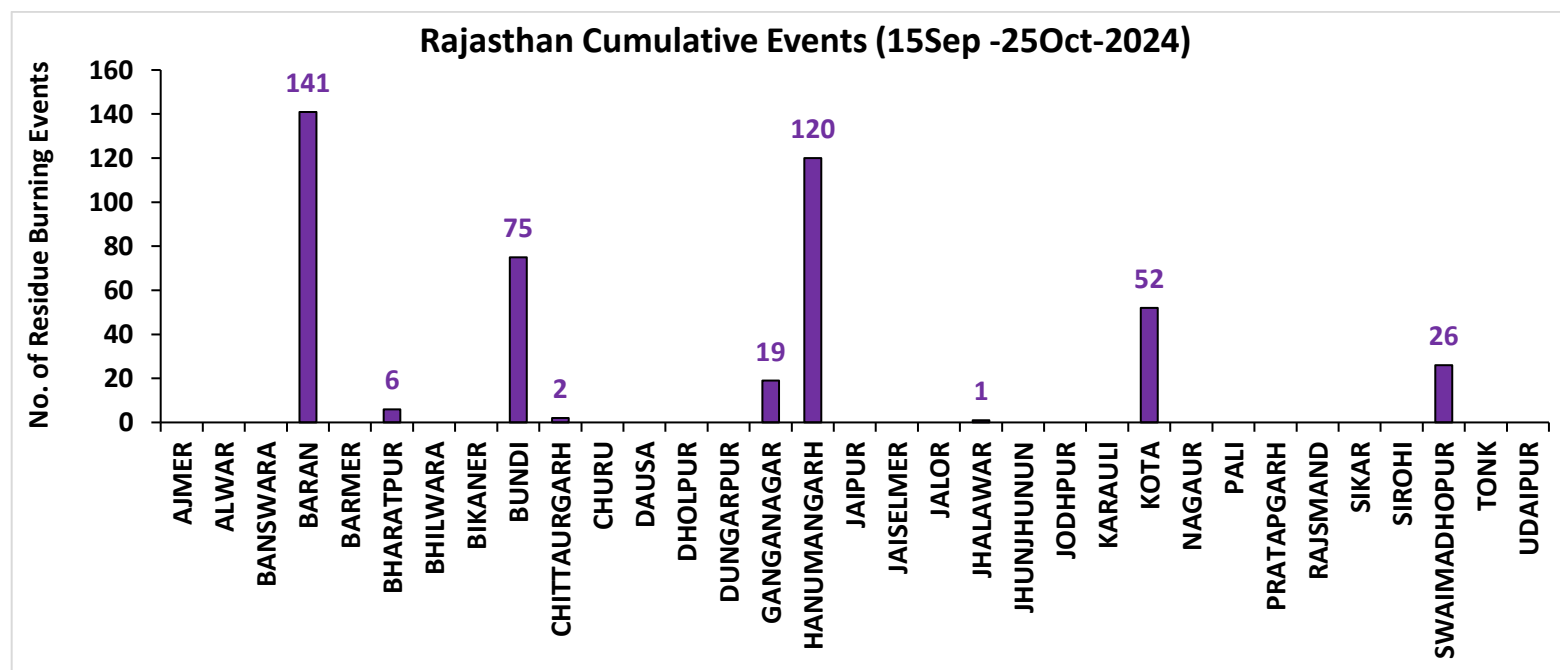
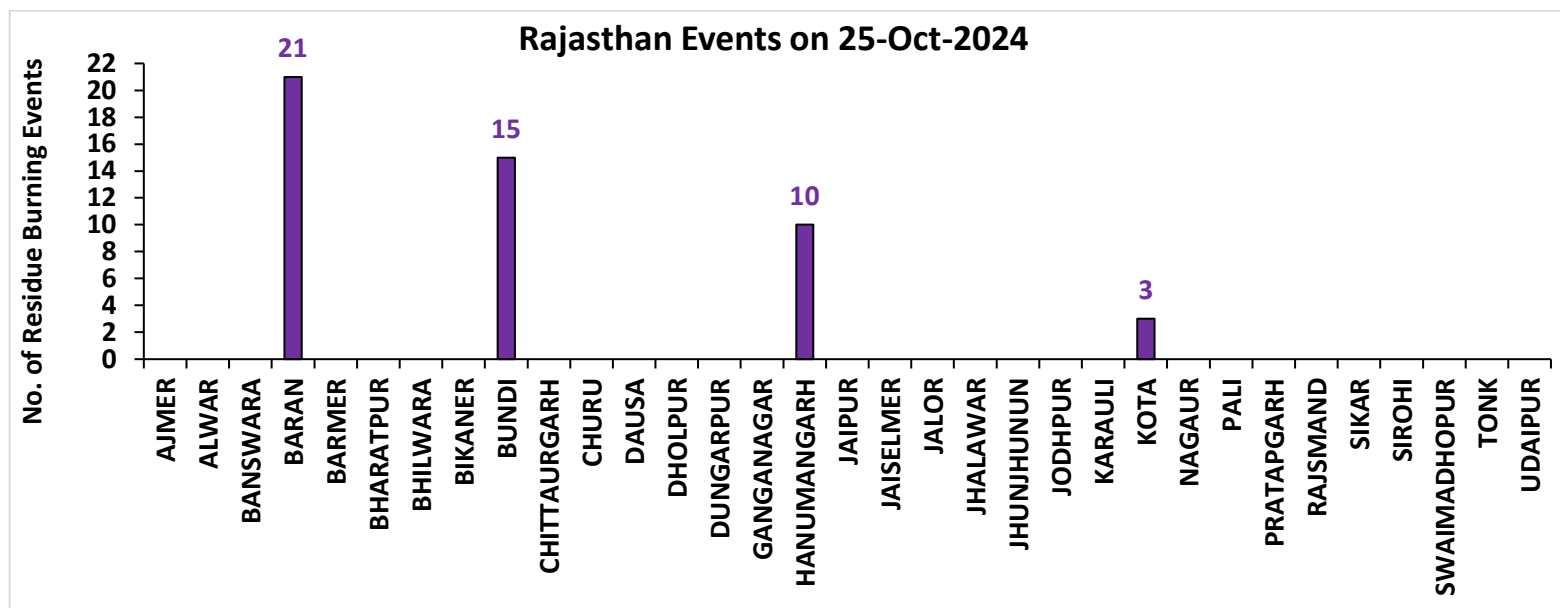
### Fire Intensity (W/m<sup>2</sup>)

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



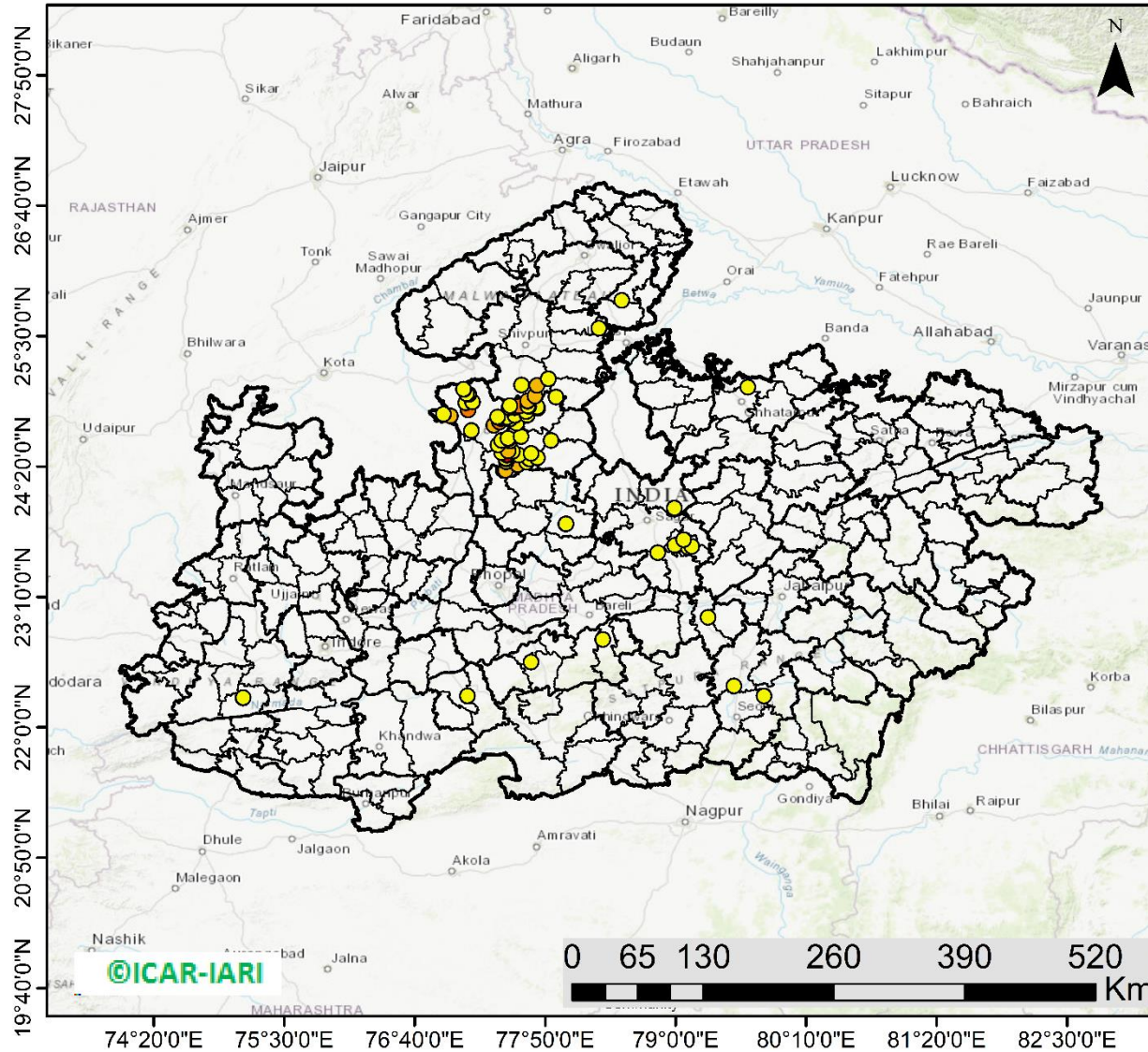
[http://103.111.37.126/icar\\_geoportal/](http://103.111.37.126/icar_geoportal/)

## District-wise cumulative number of residues burning events in Rajasthan (15Sep-25Oct-2024)



# Madhya Pradesh

## RICE RESIDUE BURNING IN MADHYA PRADESH



**94** burning events  
detected in MP on  
(25th Oct 2024)

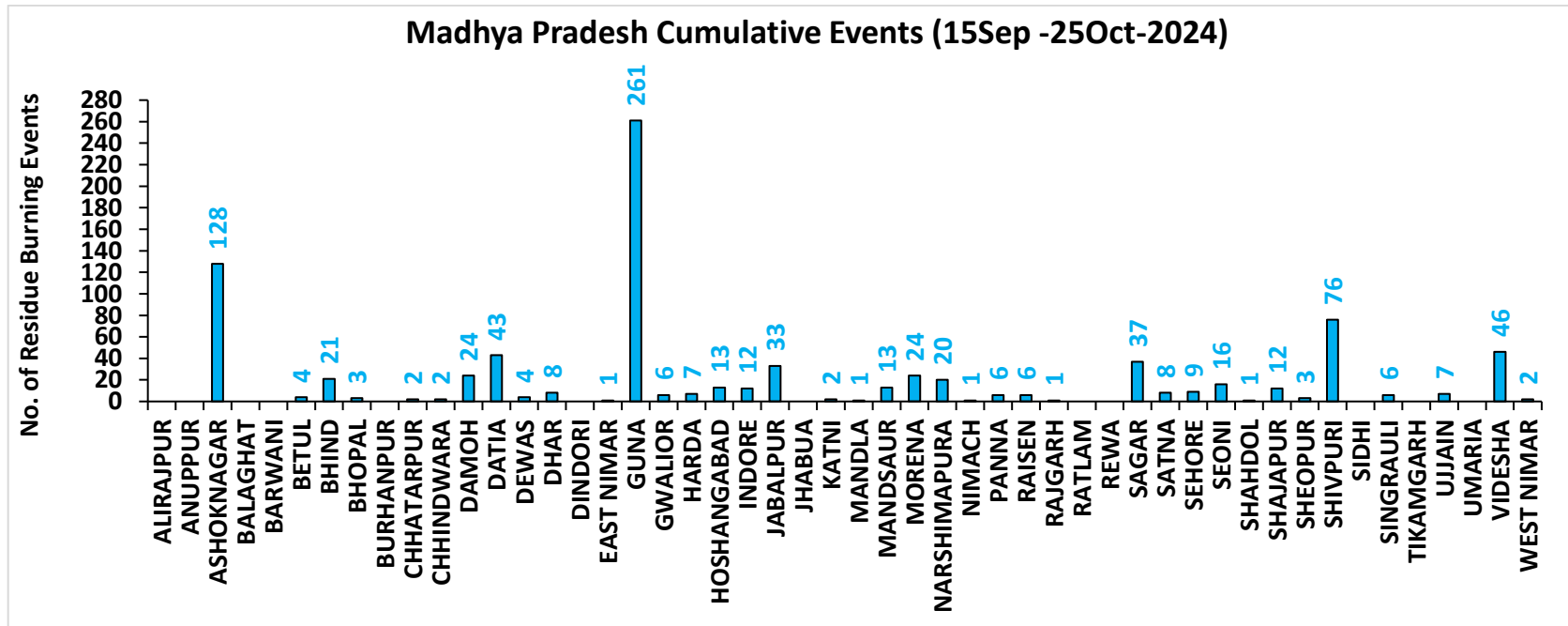
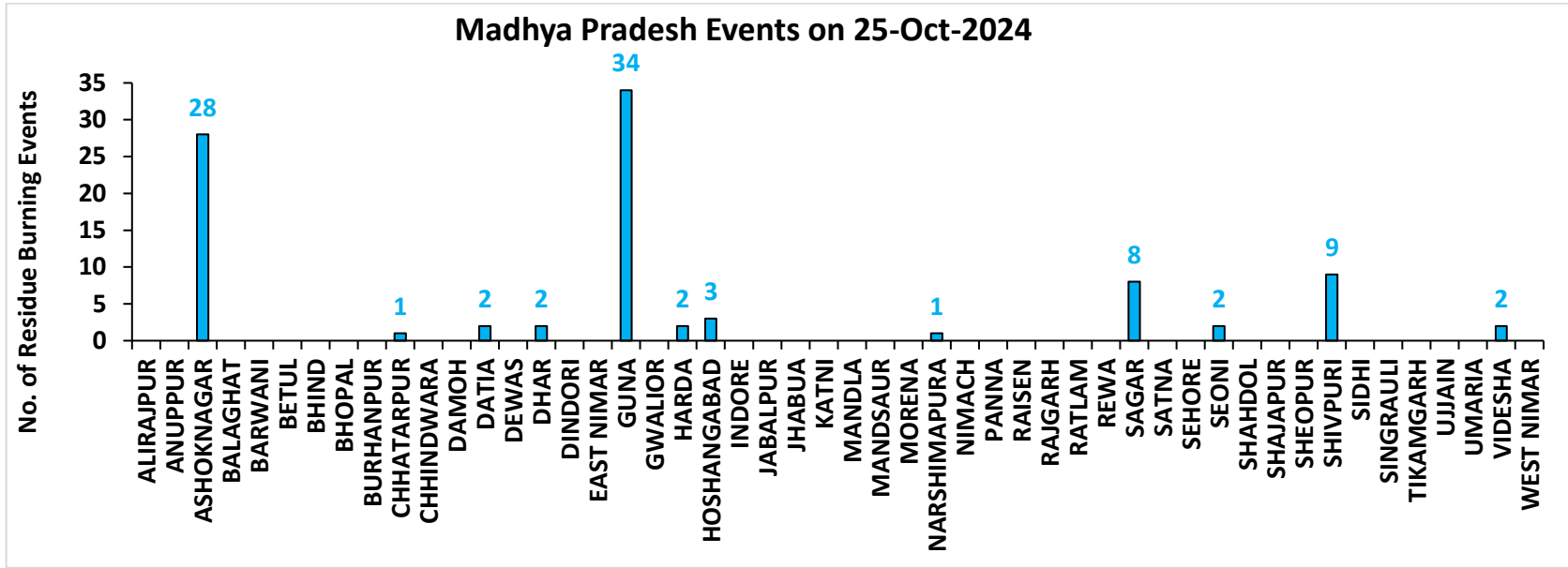
### Fire Intensity (W/m<sup>2</sup>)

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



[http://103.111.37.126/icar\\_geoportal/](http://103.111.37.126/icar_geoportal/)

## District-wise cumulative number of residues burning events in Madhya Pradesh (15Sep-25Oct-2024)



**District-wise cumulative number of residues burning events detected in 2020, 2021, 2022, 2023 and 2024**  
**(Period: 15 September-25 October)**

**(a) Punjab**

District	15 Sep-25 Oct				
	2020	2021	2022	2023	2024
Amritsar	2367	947	1085	834	462
Barnala	100	47	39	19	11
Bathinda	225	75	90	15	15
Faridkot	844	301	54	40	12
Fatehgarh Sahib	536	286	234	120	50
Fazilka	246	86	52	25	21
Firozpur	2125	399	305	206	158
Gurdaspur	1295	394	577	45	52
Hoshiarpur	232	58	51	4	0
Jalandhar	400	274	282	54	22
Kapurthala	845	392	395	126	78
Ludhiana	456	389	257	110	34
Malerkotla	0	0	0	10	26
Mansa	152	33	50	115	35
Moga	316	134	138	58	16
Muktsar	320	96	29	7	4
Pathankot	7	0	0	0	0
Patiala	1527	517	482	325	225
Rupnagar	78	46	52	5	4
Sangrur	595	149	222	177	154
SAS NAGAR (Mohali)	86	54	45	85	28
SBS Nagar	37	34	9	5	4
Tarn Taran	3432	1423	1350	319	338
<b>Total</b>	<b>16221</b>	<b>6134</b>	<b>5798</b>	<b>2704</b>	<b>1749</b>

**(b) Haryana**

District	15 Sep-25 Oct				
	2020	2021	2022	2023	2024
AMBALA	222	87	93	114	74
BHIWANI	0	0	0	2	0
CHARKHI DADRI	0	0	0	0	0
FARIDABAD	1	1	1	2	34
FATEHABAD	129	116	139	128	41
GURGAON	0	0	0	0	0
HISAR	10	8	23	55	20
JHAJJAR	1	0	0	4	3
JIND	55	82	113	110	52
KAITHAL	378	513	379	113	131
KARNAL	437	568	224	55	72
KURUKSHETRA	348	325	246	102	100
MAHENDRAGARH	0	0	0	0	0
MEWAT	0	0	0	0	0
PALWAL	30	28	16	45	26
PANCHKULA	0	0	0	1	14
PANIPAT	13	22	20	18	28
REWARI	0	0	0	0	0
ROHTAK	2	0	0	7	8
SIRSA	35	17	28	13	18
SONIPAT	17	7	10	49	41
YAMUNANAGAR	94	61	80	53	27
<b>Total</b>	<b>1772</b>	<b>1835</b>	<b>1372</b>	<b>871</b>	<b>689</b>

(c) Uttar Pradesh

District	15 Sep-25 Oct																
	2020	2021	2022	2023	2024	GAUTAMBUDHNAGAR	6	8	7	7	24	MUZAFARNAGAR	3	2	1	1	7
AGRA	2	0	0	1	0	GAZIPUR	0	0	0	0	0	PILHIBHIT	10	108	81	72	27
ALIGARH	55	21	23	77	150	GHAZIABAD	5	2	2	11	9	PRATAPGARH	4	0	0	1	1
ALLAHABAD	0	1	2	2	1	GONDA	0	0	0	0	0	RAIBEARELI	1	0	2	1	2
AMBEDKARNAGAR	0	0	0	0	2	GORAKHPUR	1	0	0	0	1	RAMPUR	60	50	41	39	17
AMETHI	0	1	4	1	0	HAMIRPUR	1	0	0	0	0	SAMBHAL	7	7	6	12	84
AMROHA	2	0	0	2	4	HAPUR	7	1	1	0	9	SANTKABIRNAGAR	0	0	0	1	0
AURAIYA	19	7	7	10	1	HARDOI	19	6	7	10	15	SANTRAVIDASNAGAR	0	0	0	0	0
AZAMGARH	0	0	0	0	0	HATHRAS	0	0	0	2	13	SHAHJAHANPUR	51	183	182	30	52
BADAUN	2	6	0	2	21	JALAUN	0	0	0	0	0	SHAMLI	21	15	5	5	8
BAGHPAT	4	1	1	1	3	JAUNPUR	0	0	0	1	0	SHARANPUR	46	20	4	2	5
BAHRAICH	23	2	5	2	4	JHANSI	30	6	0	24	9	SHRAWASTI	8	0	0	2	2
BALLIA	0	0	0	0	1	KANNAUJ	7	2	0	1	5	SIDDHARTHANAGAR	0	0	0	0	1
BALRAMPUR	5	1	1	1	0	KANPUR	5	7	10	20	2	SITAPUR	21	9	3	4	47
BANDA	0	0	0	0	0	KANPUR DEHAT	15	1	0	9	3	SONBHADRA	0	0	0	0	0
BARABANKI	23	21	20	41	68	KASGANJ	2	2	0	1	1	SULTANPUR	1	0	0	0	0
BAREILLY	25	15	9	19	13	KAUSHAMBI	17	3	2	17	3	UNNAO	7	1	0	7	6
BASTI	3	1	0	0	1	KHERI	52	55	60	8	17	VARANASI	1	0	0	0	0
BIJNOR	8	4	2	6	4	KUSHINAGAR	0	0	0	0	0	Total	783	671	552	628	849
BULANDSAHAR	18	2	7	6	27	LALITPUR	0	1	3	1	0						
CHANDALI	0	0	0	0	0	LUCKNOW	4	0	1	4	5						
CHITRAKOOT	0	1	2	3	0	MAHARAJGANJ	0	0	1	2	1						
DEORIA	0	0	0	2	0	MAHOBA	12	0	0	0	0						
ETAH	12	6	1	11	10	MAINPURI	15	7	11	13	18						
ETAWAH	10	7	6	29	10	MATHURA	61	56	9	76	73						
FAIZABAD	3	0	0	2	4	MAU	0	0	0	0	0						
FARRUKHABAD	1	0	0	0	0	MEERUT	16	4	4	3	9						
FATEHPUR	26	6	17	17	22	MIRZAPUR	6	5	2	0	2						
FIROZABAD	12	4	0	3	4	MORADABAD	8	3	0	3	21						

**(d) Delhi**

District	15 Sep-25 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	3
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
<b>Total</b>	<b>8</b>	<b>0</b>	<b>5</b>	<b>2</b>	<b>11</b>

**(e) Rajasthan**

District	15 Sep-25 Oct				
	2020	2021	2022	2023	2024
AJMER	2	0	0	0	0
ALWAR	2	0	0	0	0
BANSWARA	0	0	0	0	0
BARAN	109	0	10	219	141
BARMER	2	0	0	0	0
BHARATPUR	2	0	0	2	6
BHILWARA	4	0	0	0	0
BIKANER	1	0	0	0	0
BUNDI	26	3	36	102	75
CHITTAURGARH	0	2	2	8	2
CHURU	0	0	0	0	0
DAUSA	0	0	0	0	0
DHOLPUR	0	0	0	0	0
DUNGARPUR	0	0	0	0	0
GANGANAGAR	5	2	5	9	19
HANUMANGARH	222	48	19	64	120
JAIPUR	2	0	0	0	0
JAISELMER	2	0	0	0	0
JALOR	0	0	0	0	0
JHALAWAR	1	0	2	8	1
JHUNJHUNUN	1	0	0	0	0
JODHPUR	1	0	0	0	0
KARALI	1	0	0	0	0
KOTA	43	3	25	106	52
NAGAU	0	0	0	0	0
PALI	2	0	0	0	0
PRATAPGARH	4	0	0	0	0
RAJSMAND	0	0	0	0	0
SIKAR	0	0	0	0	0
SIROHI	1	0	0	0	0
SWAIMADHOPUR	16	0	3	39	26
TONK	3	0	0	0	0
UDAIPUR	0	0	0	0	0
<b>Total</b>	<b>452</b>	<b>58</b>	<b>102</b>	<b>557</b>	<b>442</b>



**(f) Madhya Pradesh**

District	15 Sep-25 Oct										
	2020	2021	2022	2023	2024	PANNA	10	1	0	1	6
ALIRAJPUR	0	0	0	0	0	RAISEN	79	3	7	28	6
ANUPPUR	0	0	0	0	0	RAJGARH	7	1	3	9	1
ASHOKNAGAR	50	1	5	78	128	RATLAM	0	0	0	1	0
BALAGHAT	0	0	0	0	0	REWA	19	1	1	1	0
BARWANI	0	0	0	0	0	SAGAR	20	15	14	30	37
BETUL	4	1	1	3	4	SATNA	44	10	1	7	8
BHIND	16	1	7	30	21	SEHORE	21	10	25	28	9
BHOPAL	14	5	3	12	3	SEONI	149	103	26	60	16
BURHANPUR	0	0	0	3	0	SHAHDOL	0	0	0	0	1
CHHATARPUR	4	0	0	3	2	SHAJAPUR	5	0	0	8	12
CHHINDWARA	17	11	4	11	2	SHEOPUR	54	1	3	167	3
DAMOH	41	15	13	20	24	SHIVPURI	27	0	9	37	76
DATIA	136	8	11	137	43	SIDHI	0	0	0	0	0
DEWAS	3	0	0	7	4	SINGRAULI	0	0	0	0	6
DHAR	23	0	0	27	8	TIKAMGARH	1	0	0	3	0
DINDORI	0	0	0	1	0	UJJAIN	5	0	0	14	7
EAST NIMAR	10	5	4	4	1	UMARIA	0	0	0	0	0
GUNA	29	2	11	218	261	VIDESHA	74	13	16	45	46
GWALIOR	147	2	4	36	6	WEST NIMAR	16	1	0	10	2
HARDA	10	17	4	19	7	<b>Total</b>	<b>1323</b>	<b>291</b>	<b>210</b>	<b>1261</b>	<b>869</b>
HOSHANGABAD	169	34	17	105	13						
INDORE	2	0	0	12	12						
JABALPUR	40	10	6	33	33						
JHABUA	0	0	0	0	0						
KATNI	22	0	0	2	2						
MANDLA	5	5	0	2	1						
MANDSAUR	3	0	0	1	13						
MORENA	23	5	3	29	24						
NARSHIMAPURA	24	10	12	19	20						
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-25 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

<b>13-Oct</b>	266	132	120	154	162	47	91	15	29	90	36	42	0	19	76
<b>14-Oct</b>	605	229	82	89	97	69	98	30	41	49	9	68	5	18	52
<b>15-Oct</b>	449	660	169	69	144	106	363	36	127	42	15	149	0	35	78
<b>16-Oct</b>	654	429	206	0	99	80	176	76	4	14	21	121	6	14	59
<b>17-Oct</b>	1172	14	403	1	77	143	0	86	0	28	38	39	7	0	23
<b>18-Oct</b>	938	57	342	18	59	166	1	134	8	26	76	0	30	2	47
<b>19-Oct</b>	1080	496	436	37	45	72	55	122	16	15	43	5	36	11	30
<b>20-Oct</b>	890	788	96	174	52	62	155	78	51	11	31	1	17	25	11
<b>21-Oct</b>	1392	597	393	146	65	101	131	107	68	2	25	5	23	59	25
<b>22-Oct</b>	1665	1111	582	30	71	128	140	122	25	10	32	3	18	117	17
<b>23-Oct</b>	1438	620	902	152	57	106	218	217	29	15	84	8	109	20	68
<b>24-Oct</b>	911	0	1019	360	40	57	38	250	70	6	63	11	212	38	18
<b>25-Oct</b>	1416	76	181	398	71	155	71	12	58	3	50	18	9	30	23
<b>Total</b>	<b>16221</b>	<b>6134</b>	<b>5798</b>	<b>2704</b>	<b>1749</b>	<b>1772</b>	<b>1835</b>	<b>1372</b>	<b>871</b>	<b>689</b>	<b>783</b>	<b>671</b>	<b>552</b>	<b>628</b>	<b>849</b>

### 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
<b>15-Sep</b>	0	0	0	0	0	1	0	0	0	0	2	0	0	0	0
<b>16-Sep</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>17-Sep</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<b>18-Sep</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>19-Sep</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<b>20-Sep</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2
<b>21-Sep</b>	0	0	0	0	0	1	0	1	0	0	2	0	0	0	1
<b>22-Sep</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<b>23-Sep</b>	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
<b>24-Sep</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>25-Sep</b>	0	0	0	0	0	1	0	0	0	3	0	0	0	1	0
<b>26-Sep</b>	0	0	0	1	0	1	0	0	0	0	2	0	0	0	2
<b>27-Sep</b>	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
<b>28-Sep</b>	0	0	0	0	0	0	0	0	0	0	1	1	0	2	0
<b>29-Sep</b>	0	0	0	0	0	3	0	0	6	0	0	4	0	5	0
<b>30-Sep</b>	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
<b>Total</b>	<b>8</b>	<b>0</b>	<b>5</b>	<b>2</b>	<b>11</b>	<b>452</b>	<b>58</b>	<b>102</b>	<b>557</b>	<b>442</b>	<b>1323</b>	<b>291</b>	<b>210</b>	<b>1261</b>	<b>869</b>

## Details of residue burning events in Punjab on 25-Oct-2024

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	AMRITSAR	AJNALA	S-NPP	31.95610	74.93781	14:24:35	D	3.00
2	AMRITSAR	CHOGAWAN	S-NPP	31.70270	74.62294	14:24:35	D	4.90
3	AMRITSAR	JANDIALA GURU	S-NPP	31.53395	75.07512	14:24:35	D	3.50
4	AMRITSAR	RAYYA	S-NPP	31.56504	75.21789	12:44:18	D	4.00
5	AMRITSAR	RAYYA	S-NPP	31.65801	75.24155	14:24:35	D	3.90
6	AMRITSAR	RAYYA	S-NPP	31.66461	75.19726	14:24:35	D	5.70
7	AMRITSAR	TARSIKKA	S-NPP	31.66272	75.19551	14:24:35	D	5.50
8	BARNALA	BARNALA	S-NPP	30.37265	75.47828	14:24:35	D	9.70
9	BATHINDA	GONIANA MANDI	S-NPP	30.29692	74.87919	14:24:35	D	9.90
10	BATHINDA	GONIANA MANDI	S-NPP	30.29749	74.87623	14:24:35	D	6.20
11	BATHINDA	GONIANA MANDI	S-NPP	30.29778	74.88221	14:24:35	D	7.60
12	BATHINDA	PHUL	S-NPP	30.37935	75.25932	12:44:18	D	3.20
13	FARIDKOT	FARIDKOT	S-NPP	30.74330	74.47314	12:44:18	D	7.70
14	FARIDKOT	FARIDKOT	S-NPP	30.76340	74.84086	14:24:35	D	8.30
15	FATEHGARH SAHIB	AMLOH	S-NPP	30.56758	76.12502	14:24:35	D	4.60
16	FATEHGARH SAHIB	BASSI PATHANAN	S-NPP	30.68394	76.45753	14:24:35	D	4.00
17	FATEHGARH SAHIB	BASSI PATHANAN	S-NPP	30.68553	76.45838	14:24:35	D	6.80
18	FAZILKA	JALALABAD	S-NPP	30.65411	74.19594	14:24:35	D	6.40
19	FAZILKA	JALALABAD	S-NPP	30.65572	74.19371	14:24:35	D	7.00
20	FAZILKA	KHUIAN SARWAR	S-NPP	30.24299	73.98031	12:44:18	D	3.80
21	FIROZPUR	FIROZPUR	S-NPP	31.03433	74.65861	14:24:35	D	5.90
22	FIROZPUR	GURUHAR SAHAI	S-NPP	30.76431	74.27184	14:24:35	D	2.40
23	FIROZPUR	GURUHAR SAHAI	S-NPP	30.76873	74.27217	14:24:35	D	2.90
24	FIROZPUR	GURUHAR SAHAI	S-NPP	30.77842	74.33897	14:24:35	D	12.90
25	FIROZPUR	MAKHU	S-NPP	31.11544	75.12055	14:24:35	D	2.80
26	FIROZPUR	MAMDOT	S-NPP	30.78064	74.33813	14:24:35	D	6.40
27	FIROZPUR	MAMDOT	S-NPP	30.78096	74.34373	14:24:35	D	10.60
28	FIROZPUR	MAMDOT	S-NPP	30.78272	74.48603	14:24:35	D	6.20
29	FIROZPUR	MAMDOT	S-NPP	30.78815	74.40634	14:24:35	D	11.90
30	FIROZPUR	MAMDOT	S-NPP	30.78903	74.48564	14:24:35	D	6.20

31	FIROZPUR	MAMDOT	S-NPP	30.79079	74.40544	14:24:35	D	4.00
32	FIROZPUR	MAMDOT	S-NPP	30.80226	74.31483	14:24:35	D	18.20
33	FIROZPUR	MAMDOT	S-NPP	30.86363	74.41853	12:44:18	D	7.30
34	FIROZPUR	MAMDOT	S-NPP	30.86480	74.42307	12:44:18	D	7.30
35	FIROZPUR	MAMDOT	S-NPP	30.89284	74.42467	14:24:35	D	2.60
36	FIROZPUR	MAMDOT	S-NPP	30.89580	74.52032	12:44:18	D	2.30
37	GURDASPUR	GURDASPUR	S-NPP	31.96551	75.40493	14:24:35	D	2.40
38	JALANDHAR	JALANDHAR WEST	S-NPP	31.48247	75.52899	14:24:35	D	6.40
39	KAPURTHALA	NADALA	S-NPP	31.60062	75.56115	14:24:35	D	7.00
40	KAPURTHALA	NADALA	S-NPP	31.61103	75.56724	12:44:18	D	1.70
41	KAPURTHALA	NADALA	S-NPP	31.62683	75.51691	12:44:18	D	2.50
42	KAPURTHALA	NADALA	S-NPP	31.62775	75.52072	12:44:18	D	2.50
43	KAPURTHALA	SULTANPUR LODHI	S-NPP	31.17334	75.01678	12:44:18	D	2.30
44	KAPURTHALA	SULTANPUR LODHI	S-NPP	31.34897	75.24107	14:24:35	D	9.80
45	LUDHIANA	MACHHIWARA	S-NPP	30.99959	76.29591	12:44:18	D	1.40
46	MANSA	BUDHLADA	S-NPP	29.81545	75.73840	12:44:18	D	3.00
47	MOGA	BAGHA PURANA	S-NPP	30.76621	74.92576	12:44:18	D	4.40
48	MOGA	MOGA 1	S-NPP	30.71447	75.32424	14:24:35	D	2.70
49	PATIALA	BHUNARHERI	S-NPP	30.17259	76.58966	12:44:18	D	16.40
50	PATIALA	BHUNARHERI	S-NPP	30.24173	76.46677	12:44:18	D	3.00
51	PATIALA	PATIALA	S-NPP	30.36210	76.34789	12:44:18	D	2.90
52	PATIALA	PATRAN	S-NPP	29.93333	76.13403	14:24:35	D	5.00
53	PATIALA	PATRAN	S-NPP	29.93870	76.09850	14:24:35	D	6.50
54	PATIALA	PATRAN	S-NPP	29.94510	76.09740	14:24:35	D	4.70
55	PATIALA	PATRAN	S-NPP	29.97202	76.12172	12:44:18	D	3.30
56	PATIALA	PATRAN	S-NPP	29.98042	76.08644	12:44:18	D	3.40
57	PATIALA	PATRAN	S-NPP	29.98773	76.11679	12:44:18	D	2.90
58	PATIALA	PATRAN	S-NPP	29.98864	76.12057	12:44:18	D	2.90
59	PATIALA	SAMANA	S-NPP	30.00655	76.17170	12:44:18	D	7.10
60	PATIALA	SAMANA	S-NPP	30.00836	76.17921	12:44:18	D	12.70
61	PATIALA	SHAMBU KALAN	S-NPP	30.41213	76.55777	12:44:18	D	2.60
62	SANGRUR	BHAWANIGARH	S-NPP	30.24255	76.07642	12:44:18	D	1.90
63	SANGRUR	LEHRA GAGA	S-NPP	29.85365	75.82504	12:44:18	D	2.70
64	SANGRUR	LEHRA GAGA	S-NPP	29.85410	75.82590	12:44:18	D	3.30

65	TARN TARAN	KHADUR SAHIB	S-NPP	31.42526	75.14334	12:44:18	D	5.60
66	TARN TARAN	TARN TARAN	S-NPP	31.44180	74.88857	14:24:35	D	4.40
67	TARN TARAN	TARN TARAN	S-NPP	31.46645	74.77676	12:44:18	D	3.90
68	TARN TARAN	TARN TARAN	S-NPP	31.46734	74.77571	12:44:18	D	2.90
69	TARN TARAN	TARN TARAN	S-NPP	31.50427	74.80966	12:44:18	D	2.30
70	TARN TARAN	TARN TARAN	S-NPP	31.50969	74.80783	12:44:18	D	3.50
71	TARN TARAN	TARN TARAN	AQUA	31.51400	75.04700	15:04:03	D	25.90

**Details of residue burning events in Haryana on 25-Oct-2024**

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m <sup>2</sup> )
1	KAITHAL	GUHLA	S-NPP	30.09812	76.43971	12:44:18	D	5.00
2	KURUKSHETRA	PEHOWA	S-NPP	29.97717	76.55404	01:34:18	N	0.60
3	SONIPAT	KHARKHODA	S-NPP	28.83020	76.91364	12:44:18	D	13.10

### Details of residue burning events in Uttar Pradesh on 25-Oct-2024

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	ALIGARH	KHAIR	S-NPP	27.98425	77.54356	12:44:18	D	2.80
2	BADAUN	BISAULI	S-NPP	28.24088	79.06130	12:44:18	D	2.50
3	BAHRAICH	BAHRAICH	S-NPP	27.42879	81.84809	01:34:18	N	0.90
4	BARABANKI	HADARGARH	S-NPP	26.74610	81.33493	01:34:18	N	0.60
5	BULANDSAHAR	SIKANDARABAD	S-NPP	28.33938	77.74809	12:44:18	D	1.30
6	FATEHPUR	KHAGA	S-NPP	25.57408	81.18278	12:44:18	D	3.60
7	FIROZABAD	SIKOHABAD	S-NPP	26.95364	78.79764	12:44:18	D	5.70
8	GAUTAMBUDHNAGAR	GAUTAMBUDHNAGAR	S-NPP	28.39971	77.66447	12:44:18	D	2.00
9	JHANSI	TAHRAULI	S-NPP	25.56849	78.73351	12:44:18	D	2.60
10	KANPUR DEHAT	BHOGANIPUR	S-NPP	26.30777	79.83147	12:44:18	D	2.90
11	KHERI	MOHMADI	S-NPP	27.88264	80.11555	01:34:18	N	0.70
12	KHERI	MOHMADI	S-NPP	27.94324	80.12717	01:34:18	N	0.60
13	KHERI	MOHMADI	S-NPP	27.94370	80.12326	01:34:18	N	1.00
14	MATHURA	MAT	S-NPP	27.82232	77.79279	12:44:18	D	1.80
15	MORADABAD	BILARI	S-NPP	28.52090	78.70015	12:44:18	D	6.30
16	PILHIBHIT	PURANPUR	S-NPP	28.59872	80.04432	01:34:18	N	1.00
17	RAMPUR	MILAK	S-NPP	28.65491	79.19701	01:34:18	N	1.00
18	RAMPUR	MILAK	S-NPP	28.65688	79.19894	01:34:18	N	1.10
19	SHAHJAHANPUR	PUWANYA	S-NPP	27.97072	80.03110	01:34:18	N	2.50
20	SHAHJAHANPUR	SHAHJAHANPUR	S-NPP	27.65997	79.83651	12:44:18	D	2.60
21	SHRAWASTI	BHINGA	S-NPP	27.76097	81.86030	01:34:18	N	0.50
22	SHRAWASTI	BHINGA	S-NPP	27.85749	81.98083	12:44:18	D	5.50
23	SITAPUR	MAHMUDABAD	S-NPP	27.30371	81.05624	01:34:18	N	0.80



### Details of residue burning events in Rajasthan on 25-Oct-2024

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	BARAN	CHHABRA	S-NPP	24.65817	76.96230	12:44:18	D	2.60
2	BARAN	CHHABRA	S-NPP	24.65913	76.96214	12:44:18	D	2.50
3	BARAN	CHHABRA	S-NPP	24.73702	76.80741	12:44:18	D	1.20
4	BARAN	KISHANGUNJ	S-NPP	25.00953	76.77663	12:44:18	D	4.20
5	BARAN	KISHANGUNJ	S-NPP	25.30405	76.88918	12:44:18	D	7.40
6	BARAN	KISHANGUNJ	S-NPP	25.30761	76.88813	12:44:18	D	3.40
7	BARAN	SHAHBAD	S-NPP	25.10306	77.03929	12:44:18	D	11.00
8	BARAN	SHAHBAD	S-NPP	25.10621	77.03862	12:44:18	D	8.90
9	BARAN	SHAHBAD	S-NPP	25.10859	77.03771	12:44:18	D	3.40
10	BARAN	SHAHBAD	S-NPP	25.10958	77.04186	12:44:18	D	3.40
11	BARAN	SHAHBAD	S-NPP	25.11019	77.01953	12:44:18	D	3.30
12	BARAN	SHAHBAD	S-NPP	25.11270	77.04120	12:44:18	D	8.90
13	BARAN	SHAHBAD	S-NPP	25.11512	77.04033	12:44:18	D	3.40
14	BARAN	SHAHBAD	S-NPP	25.11558	77.05370	12:44:18	D	7.20
15	BARAN	SHAHBAD	S-NPP	25.11718	77.05606	14:24:35	D	9.40
16	BARAN	SHAHBAD	S-NPP	25.11772	77.05749	14:24:35	D	11.50
17	BARAN	SHAHBAD	S-NPP	25.11807	77.05278	12:44:18	D	8.70
18	BARAN	SHAHBAD	S-NPP	25.11825	77.03968	12:44:18	D	4.60
19	BARAN	SHAHBAD	S-NPP	25.11832	77.00394	12:44:18	D	0.70
20	BARAN	SHAHBAD	S-NPP	25.15455	77.00708	12:44:18	D	2.20
21	BARAN	SHAHBAD	AQUA	25.11000	77.04300	15:04:03	D	41.30
22	BUNDI	BUNDI	S-NPP	25.25520	75.86175	12:44:18	D	3.60
23	BUNDI	INDRAGARH	S-NPP	25.48980	76.14251	12:44:18	D	4.10
24	BUNDI	INDRAGARH	S-NPP	25.49091	76.14711	12:44:18	D	4.10
25	BUNDI	KESHORAIPATAN	S-NPP	25.32603	75.89525	14:24:35	D	3.50
26	BUNDI	KESHORAIPATAN	S-NPP	25.32692	75.89552	14:24:35	D	3.90
27	BUNDI	KESHORAIPATAN	S-NPP	25.41969	76.08372	12:44:18	D	3.70
28	BUNDI	KESHORAIPATAN	S-NPP	25.42156	76.05207	14:24:35	D	4.80
29	BUNDI	KESHORAIPATAN	S-NPP	25.42440	76.01610	12:44:18	D	5.80
30	BUNDI	KESHORAIPATAN	S-NPP	25.42697	76.01174	12:44:18	D	8.40
31	BUNDI	KESHORAIPATAN	S-NPP	25.42811	76.01643	12:44:18	D	8.40

32	BUNDI	KESHORAIPATAN	S-NPP	25.43022	76.01439	12:44:18	D	5.80
33	BUNDI	KESHORAIPATAN	S-NPP	25.43271	76.02077	14:24:35	D	6.20
34	BUNDI	KESHORAIPATAN	S-NPP	25.43497	76.04448	12:44:18	D	2.40
35	BUNDI	KESHORAIPATAN	S-NPP	25.43791	76.01807	14:24:35	D	9.10
36	BUNDI	KESHORAIPATAN	S-NPP	25.45366	76.03771	14:24:35	D	4.50
37	HANUMANGARH	HANUMANGARH	S-NPP	29.50759	74.38759	12:44:18	D	3.60
38	HANUMANGARH	HANUMANGARH	S-NPP	29.56342	74.42010	14:24:35	D	5.20
39	HANUMANGARH	HANUMANGARH	S-NPP	29.59573	74.13887	14:24:35	D	2.60
40	HANUMANGARH	TIBI	S-NPP	29.42633	74.52104	12:44:18	D	3.70
41	HANUMANGARH	TIBI	S-NPP	29.42872	74.52171	12:44:18	D	4.50
42	HANUMANGARH	TIBI	S-NPP	29.50257	74.52635	14:24:35	D	10.10
43	HANUMANGARH	TIBI	S-NPP	29.53536	74.43298	12:44:18	D	2.70
44	HANUMANGARH	TIBI	S-NPP	29.53806	74.49065	14:24:35	D	3.50
45	HANUMANGARH	TIBI	S-NPP	29.66491	74.48681	14:24:35	D	4.00
46	HANUMANGARH	TIBI	S-NPP	29.73821	74.58916	12:44:18	D	1.60
47	KOTA	DIGOD	S-NPP	25.19475	76.17722	12:44:18	D	2.70
48	KOTA	DIGOD	S-NPP	25.19586	76.18186	12:44:18	D	3.80
49	KOTA	LADPURA	S-NPP	25.24899	75.94684	12:44:18	D	3.90

### Details of residue burning events in Madhya Pradesh on 25-Oct-2024

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m <sup>2</sup> )
1	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.40965	77.76377	12:44:18	D	4.70
2	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.40989	77.76441	12:44:18	D	4.50
3	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.43395	77.49369	14:24:35	D	12.50
4	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.43462	77.59678	12:44:18	D	1.80
5	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.43773	77.49089	14:24:35	D	23.70
6	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.44862	77.70861	12:44:18	D	2.80
7	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.46780	77.54156	12:44:18	D	0.80
8	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.47039	77.50276	12:44:18	D	5.30
9	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.56020	77.52028	12:44:18	D	5.80
10	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.56061	77.51631	12:44:18	D	4.10
11	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.56151	77.52031	12:44:18	D	6.50
12	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.56463	77.88612	12:44:18	D	3.30
13	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.58019	77.50647	12:44:18	D	2.70
14	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.58472	77.50098	12:44:18	D	3.20
15	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.60028	77.61786	12:44:18	D	5.10
16	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.60091	77.61814	12:44:18	D	4.70
17	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.71832	77.57890	12:44:18	D	1.50
18	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.78898	77.56316	12:44:18	D	2.70
19	ASHOKNAGAR	ASHOKNAGAR	S-NPP	24.78964	77.56356	12:44:18	D	2.70
20	ASHOKNAGAR	ISAGARH	S-NPP	24.79171	77.67383	12:44:18	D	3.50
21	ASHOKNAGAR	ISAGARH	S-NPP	24.82395	77.66479	12:44:18	D	2.40
22	ASHOKNAGAR	ISAGARH	S-NPP	24.82398	77.66415	12:44:18	D	3.00
23	ASHOKNAGAR	ISAGARH	S-NPP	24.85239	77.76619	12:44:18	D	2.70
24	ASHOKNAGAR	ISAGARH	S-NPP	24.85309	77.76525	12:44:18	D	2.60
25	ASHOKNAGAR	ISAGARH	S-NPP	24.85751	77.56085	12:44:18	D	2.70
26	ASHOKNAGAR	ISAGARH	S-NPP	24.86378	77.76234	12:44:18	D	3.20
27	ASHOKNAGAR	ISAGARH	S-NPP	24.87259	77.60358	14:24:35	D	10.70
28	ASHOKNAGAR	ISAGARH	S-NPP	24.95303	77.93111	12:44:18	D	3.30
29	CHHATARPUR	NOWGOAN	S-NPP	25.04169	79.64561	01:34:18	N	0.80
30	DATIA	DATIA	S-NPP	25.56942	78.31495	12:44:18	D	2.80

31	DATIA	SEONDHA	S-NPP	25.81763	78.51894	12:44:18	D	2.40
32	DHAR	MANAWAR	S-NPP	22.26184	75.13264	01:34:18	N	0.40
33	DHAR	MANAWAR	S-NPP	22.26481	75.13355	01:34:18	N	1.00
34	GUNA	ARON	S-NPP	24.29842	77.47979	14:24:35	D	6.50
35	GUNA	ARON	S-NPP	24.34698	77.58753	12:44:18	D	6.10
36	GUNA	ARON	S-NPP	24.37019	77.66817	12:44:18	D	2.70
37	GUNA	ARON	S-NPP	24.37110	77.66856	12:44:18	D	2.50
38	GUNA	ARON	S-NPP	24.37442	77.48653	12:44:18	D	3.60
39	GUNA	ARON	S-NPP	24.39815	77.48834	14:24:35	D	5.20
40	GUNA	ARON	S-NPP	24.39907	77.69321	12:44:18	D	4.50
41	GUNA	ARON	S-NPP	24.39977	77.69362	12:44:18	D	3.90
42	GUNA	ARON	S-NPP	24.40280	77.48315	12:44:18	D	4.60
43	GUNA	ARON	S-NPP	24.45657	77.44337	12:44:18	D	3.20
44	GUNA	GUNA	S-NPP	24.52520	77.41180	12:44:18	D	2.20
45	GUNA	GUNA	S-NPP	24.56543	77.44303	12:44:18	D	4.50
46	GUNA	GUNA	S-NPP	24.65372	77.17432	12:44:18	D	2.40
47	GUNA	GUNA	S-NPP	24.70013	77.37470	12:44:18	D	5.30
48	GUNA	GUNA	S-NPP	24.72935	77.42582	12:44:18	D	10.50
49	GUNA	GUNA	S-NPP	24.75642	77.51881	12:44:18	D	2.70
50	GUNA	GUNA	S-NPP	24.76120	77.43818	12:44:18	D	6.20
51	GUNA	GUNA	S-NPP	24.76517	77.43664	12:44:18	D	11.00
52	GUNA	GUNA	S-NPP	24.76666	77.43667	12:44:18	D	6.20
53	GUNA	GUNA	S-NPP	24.77219	77.40988	12:44:18	D	2.80
54	GUNA	GUNA	S-NPP	24.77258	77.49303	12:44:18	D	3.30
55	GUNA	GUNA	S-NPP	24.77371	77.49323	12:44:18	D	3.40
56	GUNA	GUNA	S-NPP	24.77601	77.40845	12:44:18	D	3.00
57	GUNA	GUNA	S-NPP	24.78425	76.98633	12:44:18	D	6.30
58	GUNA	GUNA	S-NPP	24.80153	76.92328	12:44:18	D	4.90
59	GUNA	GUNA	S-NPP	24.83894	77.14526	14:24:35	D	10.70
60	GUNA	GUNA	S-NPP	24.85768	77.51131	12:44:18	D	2.70
61	GUNA	GUNA	S-NPP	24.90163	77.12381	12:44:18	D	3.10
62	GUNA	GUNA	S-NPP	24.90943	77.18325	12:44:18	D	2.10
63	GUNA	GUNA	S-NPP	24.97662	77.15089	14:24:35	D	11.10
64	GUNA	GUNA	S-NPP	24.97810	77.14960	14:24:35	D	8.60
65	GUNA	GUNA	S-NPP	24.98283	77.13193	12:44:18	D	3.60

66	GUNA	GUNA	S-NPP	25.02175	77.10628	12:44:18	D	6.30
67	GUNA	GUNA	S-NPP	25.02332	77.10333	12:44:18	D	4.40
68	HARDA	HARDA	S-NPP	22.27817	77.13918	12:44:18	D	2.90
69	HARDA	HARDA	S-NPP	22.28106	77.13922	12:44:18	D	2.60
70	HOSHANGABAD	ITARSI	S-NPP	22.58301	77.70677	12:44:18	D	2.40
71	HOSHANGABAD	PIPARIYA	S-NPP	22.78498	78.34799	12:44:18	D	1.80
72	HOSHANGABAD	PIPARIYA	S-NPP	22.78509	78.34888	12:44:18	D	1.80
73	NARSHIMAPURA	NARSIMHAPUR	S-NPP	22.98360	79.29089	12:44:18	D	2.70
74	SAGAR	BANDA	S-NPP	23.96026	78.98880	12:44:18	D	1.10
75	SAGAR	DEVRI	S-NPP	23.56174	78.84029	12:44:18	D	3.00
76	SAGAR	DEVRI	S-NPP	23.56199	78.83988	12:44:18	D	2.90
77	SAGAR	REHLI	S-NPP	23.60632	79.11372	12:44:18	D	3.20
78	SAGAR	REHLI	S-NPP	23.60984	79.11282	12:44:18	D	3.70
79	SAGAR	REHLI	S-NPP	23.61683	79.14544	12:44:18	D	2.20
80	SAGAR	REHLI	S-NPP	23.62812	78.99334	12:44:18	D	1.70
81	SAGAR	REHLI	S-NPP	23.67739	79.07138	12:44:18	D	4.90
82	SEONI	LAKHNADOU	S-NPP	22.36870	79.52156	12:44:18	D	2.30
83	SEONI	SEONI	S-NPP	22.27964	79.79074	12:44:18	D	4.50
84	SHIVPURI	KOLARAS	S-NPP	24.86951	77.68819	12:44:18	D	7.20
85	SHIVPURI	KOLARAS	S-NPP	24.87313	77.67909	12:44:18	D	3.60
86	SHIVPURI	KOLARAS	S-NPP	24.87663	77.51862	12:44:18	D	2.10
87	SHIVPURI	KOLARAS	S-NPP	24.91569	77.67652	14:24:35	D	9.30
88	SHIVPURI	KOLARAS	S-NPP	24.91985	77.67681	14:24:35	D	9.90
89	SHIVPURI	KOLARAS	S-NPP	24.96243	77.74280	14:24:35	D	5.80
90	SHIVPURI	KOLARAS	S-NPP	25.05733	77.76093	14:24:35	D	6.80
91	SHIVPURI	KOLARAS	S-NPP	25.06150	77.62231	12:44:18	D	1.00
92	SHIVPURI	PICHHOR	S-NPP	25.11645	77.86158	12:44:18	D	3.50
93	VIDESHA	BASODA	S-NPP	23.81838	78.01765	12:44:18	D	2.70
94	VIDESHA	BASODA	S-NPP	23.81867	78.02019	12:44:18	D	1.90

**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.	<del>JPSS 1 (NOAA 20)</del>	<del>VIIRS</del>	<del>375</del>	<del>Both</del>
3.	<del>JPSS 2 (NOAA 21)</del>	<del>VIIRS</del>	<del>375</del>	<del>Both</del>
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](#)

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