



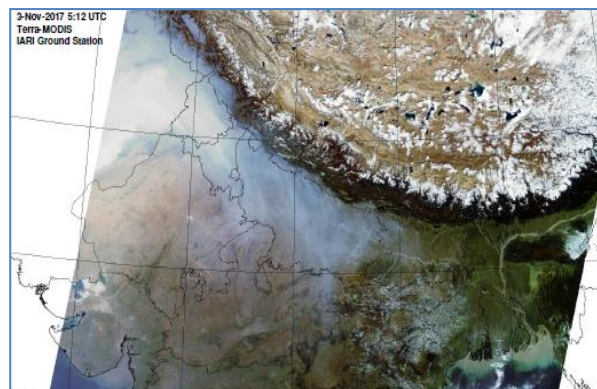
**Bulletin  
No. 43**

**Events Date:  
27-Oct-2021**

**Issued on:  
27-Oct-2021**



# **MONITORING PADDY RESIDUE BURNING IN INDIA USING SATELLITE REMOTE SENSING DURING 2021**



**Prepared by:**

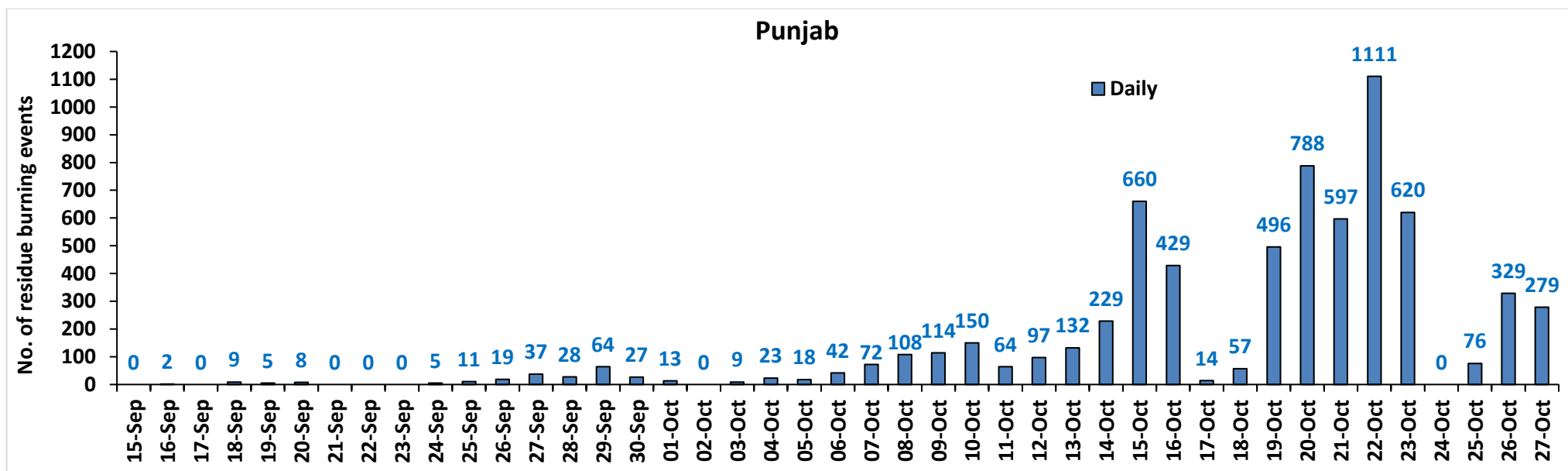
**Consortium for Research on Agroecosystem Monitoring and Modeling from Space (CREAMS) Laboratory,  
Division of Agricultural Physics, ICAR – Indian Agricultural Research Institute, New Delhi – 110012**

**<http://creams.iari.res.in>**

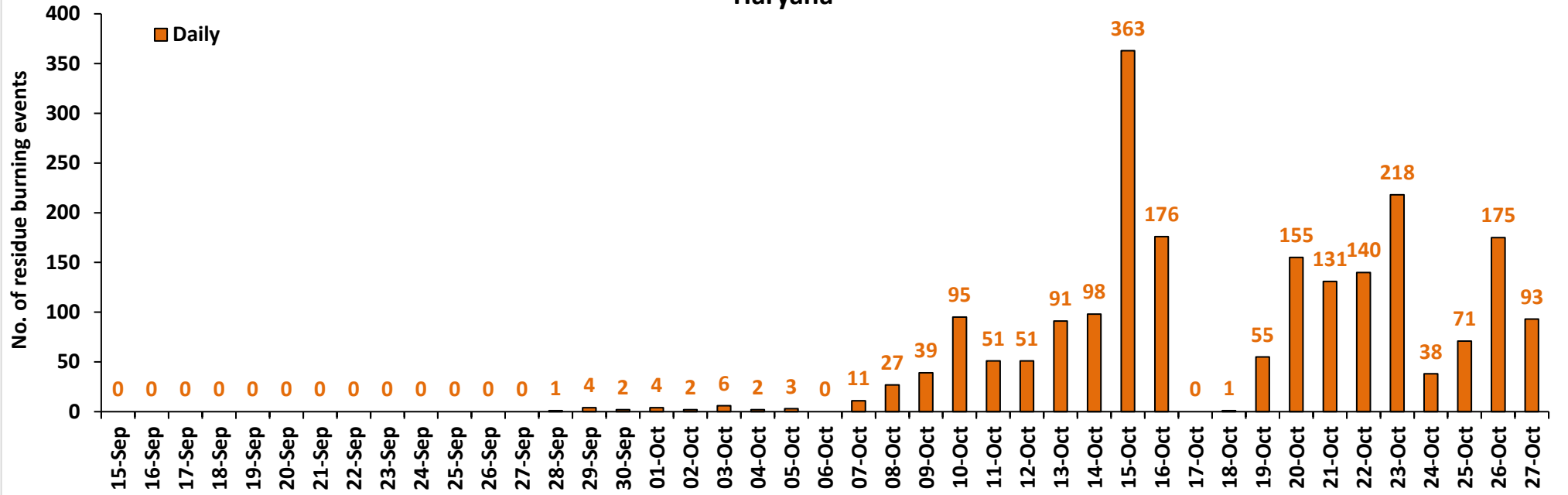
## Highlights for 27-October-2021

- The active fire events due to rice residue burning were monitored using satellite remote sensing, following the new "Standard Protocol for Estimation of Crop Residue Burning Fire Events using Satellite Data".
- Satellites detected **493** residue burning events in the six study States on 27-Oct-2021.
- The state wise events detected on 27-Oct-2021 were **279** in Punjab, **93** in Haryana, **58** in UP, **0** in Delhi, **1** in Rajasthan and **62** in MP.
- Detection of burning events by satellites was hampered due to scattered clouds over southern Madhya Pradesh.
- The number of events has decreased from **603** on 26-Oct-2021 to **493** on 27-Oct-2021 in the six study states.
- Total **10085** burning events were detected in the six states between 15-Sept-2021 and 27-Oct-2021, which are distributed as **6742**, **2103**, **770**, **0**, **62** and **408** in Punjab, Haryana, UP, Delhi, Rajasthan and MP, respectively.
- Overall, the total burning events recorded in the six states are **61.3%** less than in 2020 till date. Punjab recorded **67.8%** reduction, Haryana recorded **8.1%** increase, UP recorded **10.0%** reduction, Delhi recorded **100%** reduction, Rajasthan recorded **88.3%** reduction and MP recorded **77.3%** reduction, in the current season than in 2020.

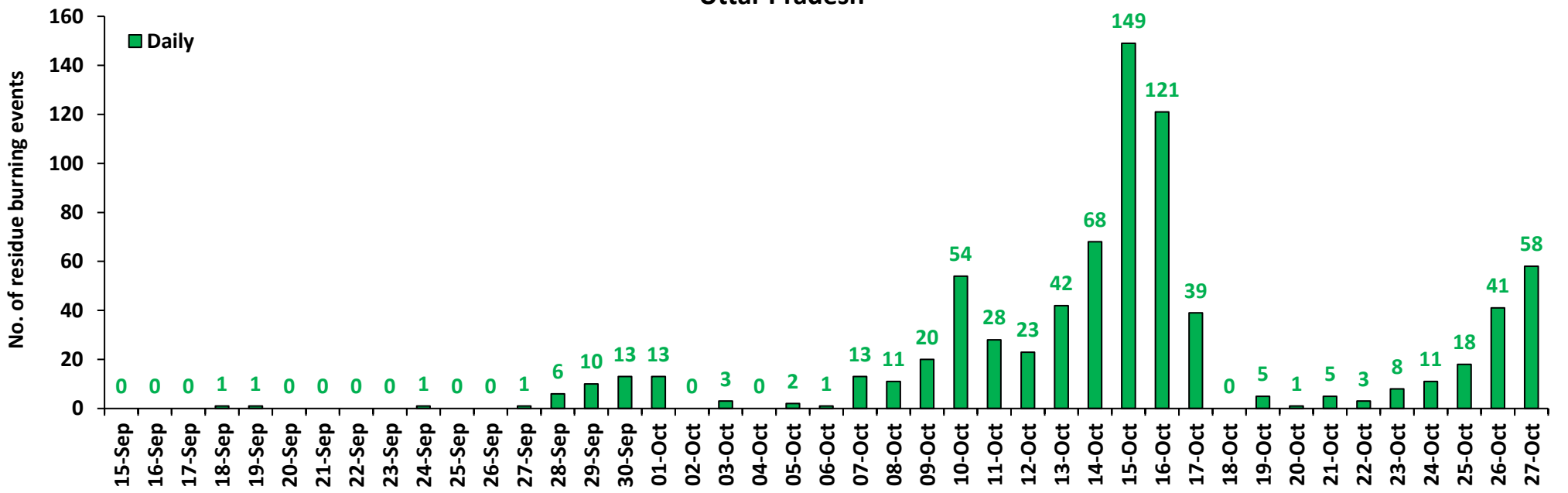
### Temporal distribution of rice residue burning events for the study States in 2021



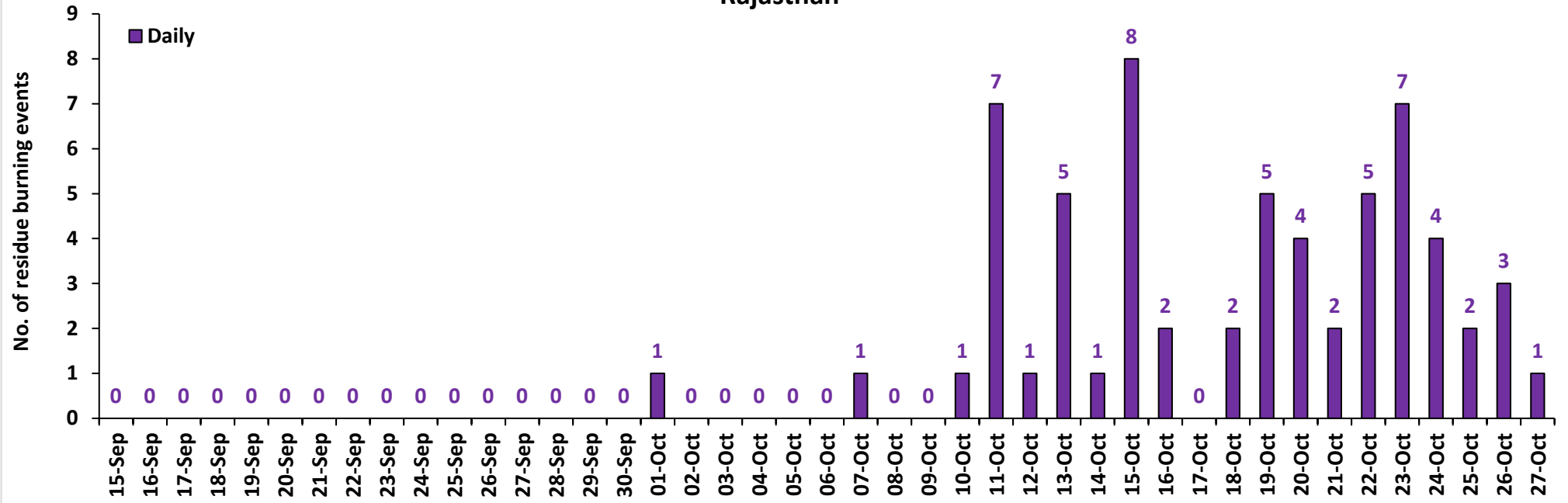
### Haryana



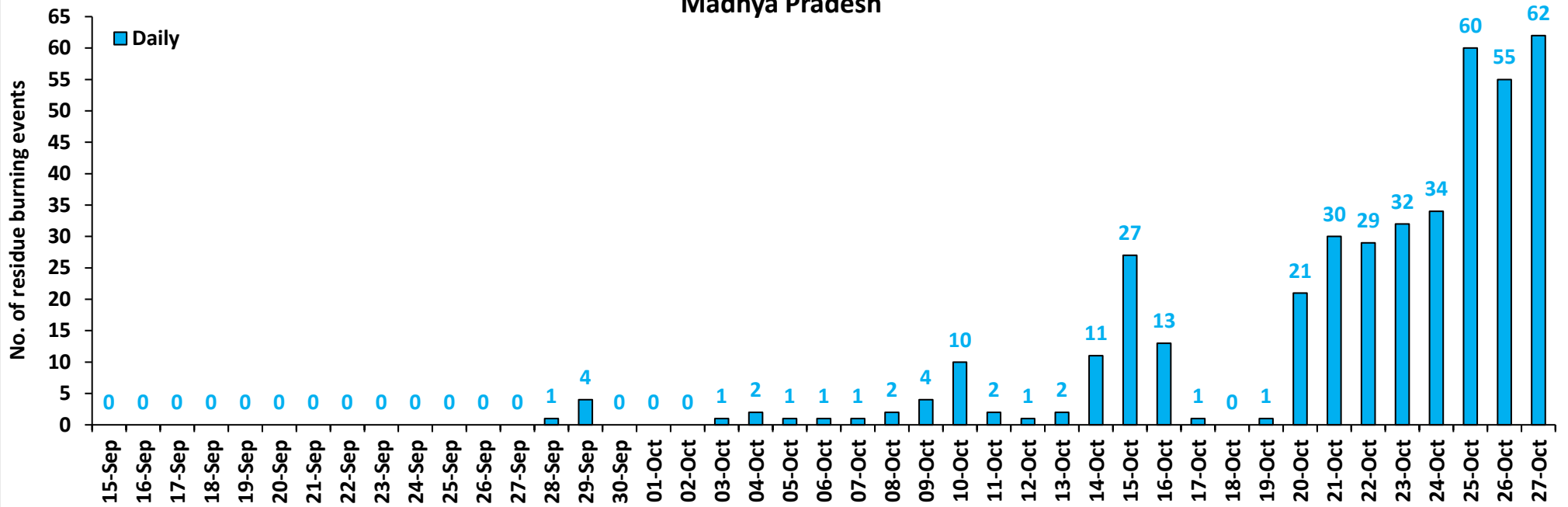
### Uttar Pradesh



### Rajasthan

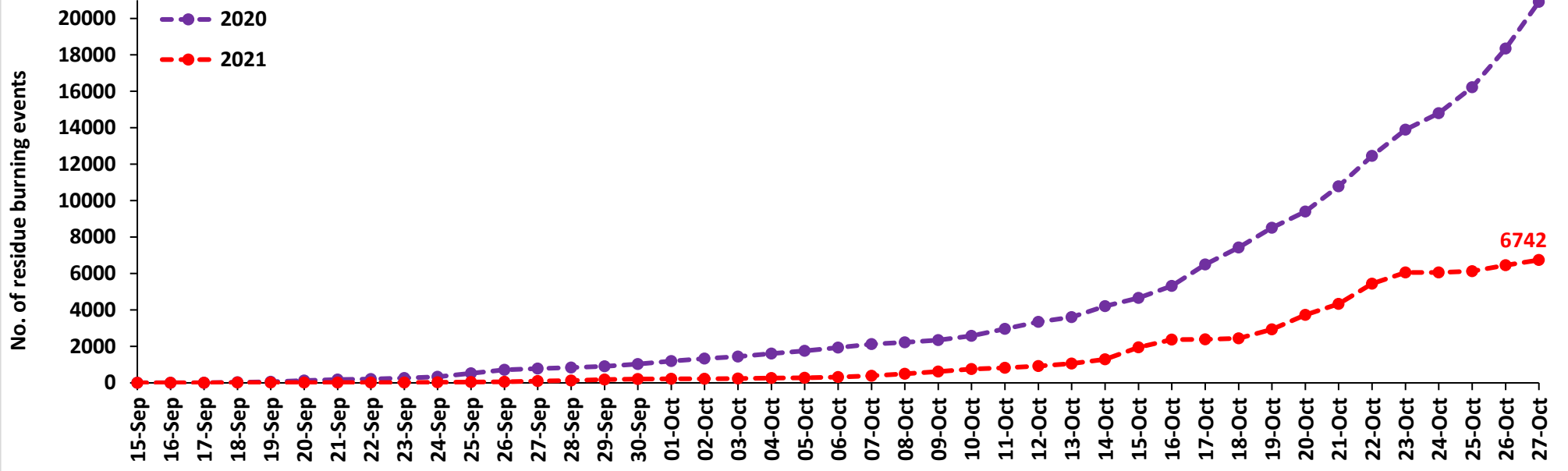


### Madhya Pradesh

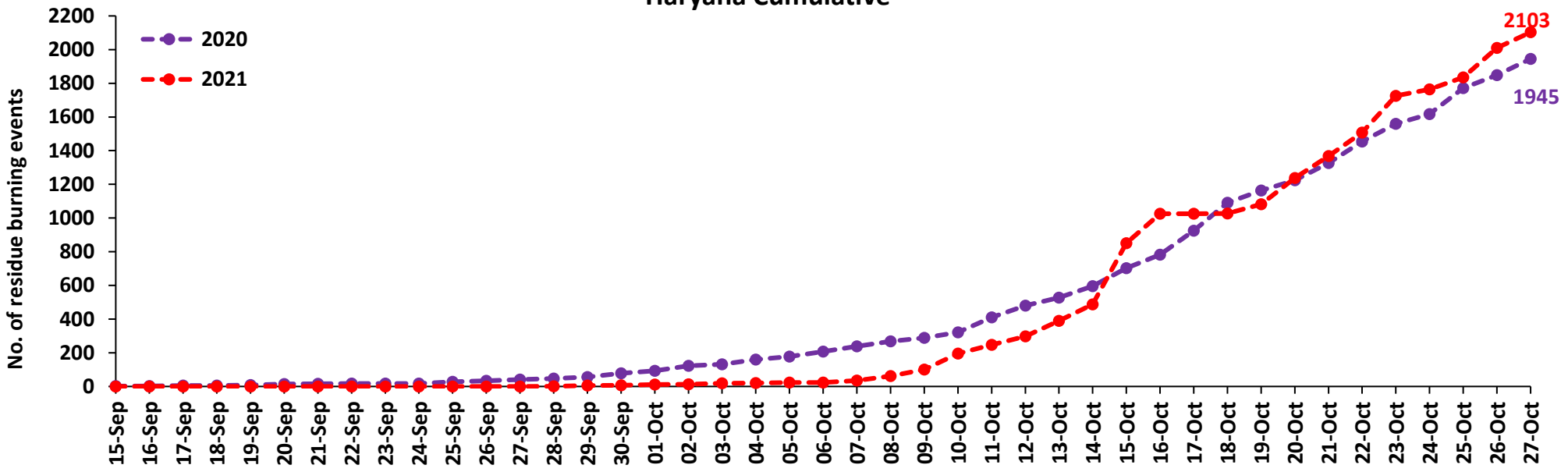


**Comparison of residue burning events in current year (2021) with previous year (2020) for the study States**

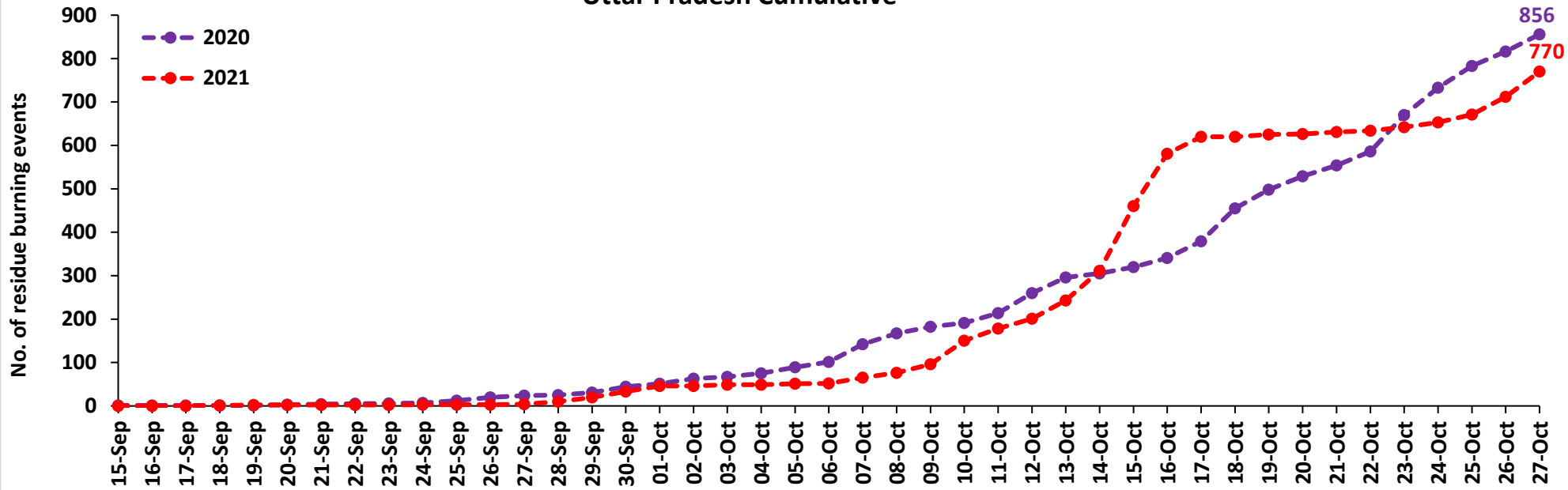
**Punjab Cumulative**



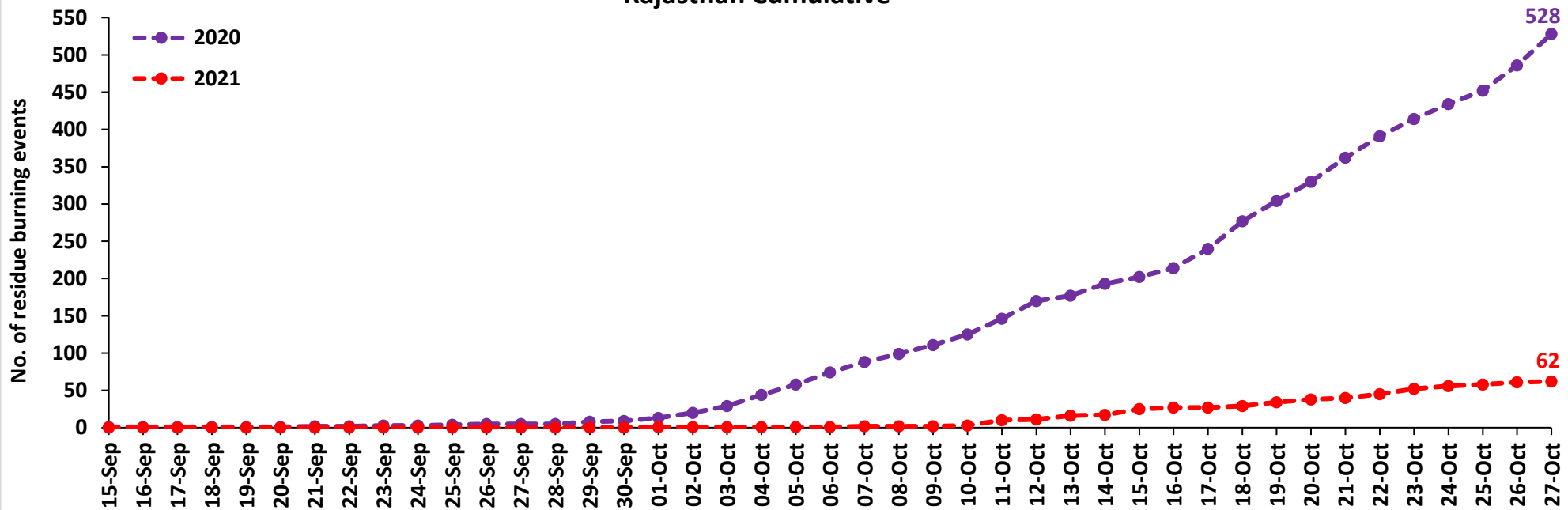
**Haryana Cumulative**



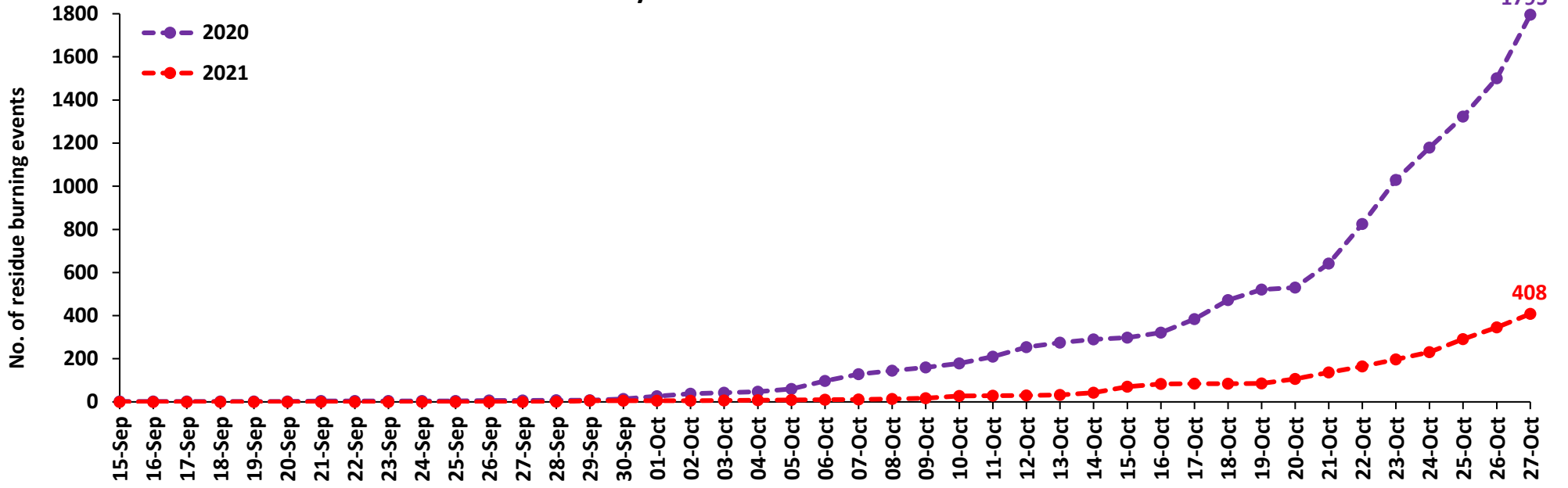
### Uttar Pradesh Cumulative



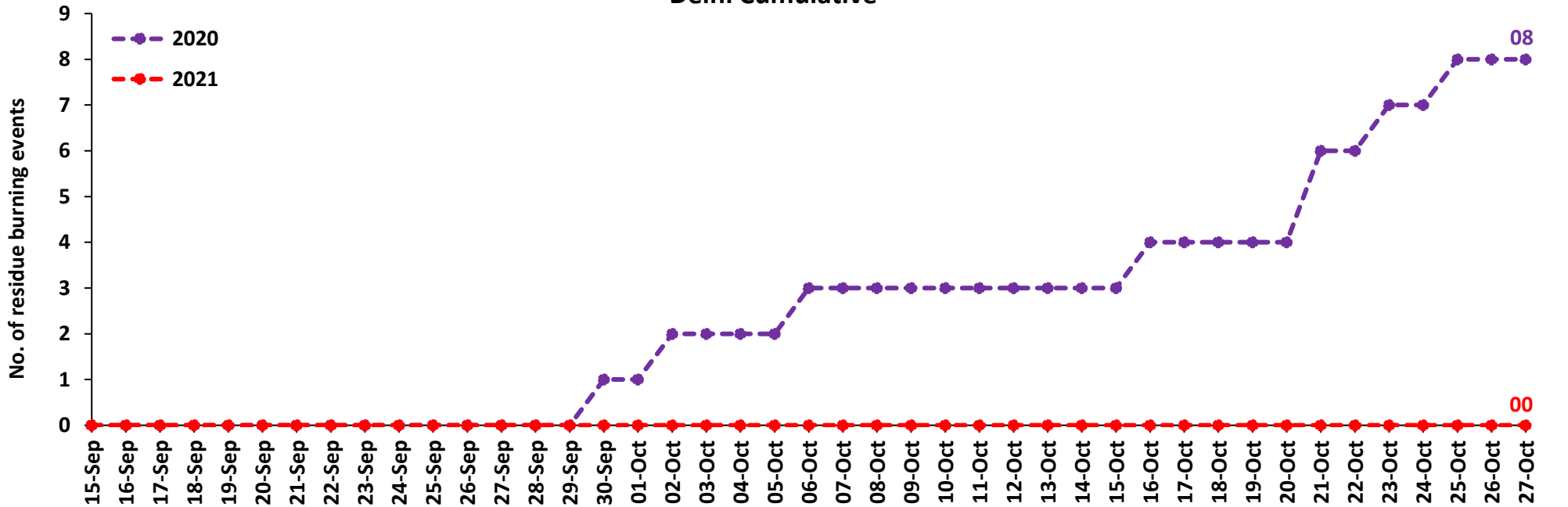
### Rajasthan Cumulative



### Madhya Pradesh Cumulative

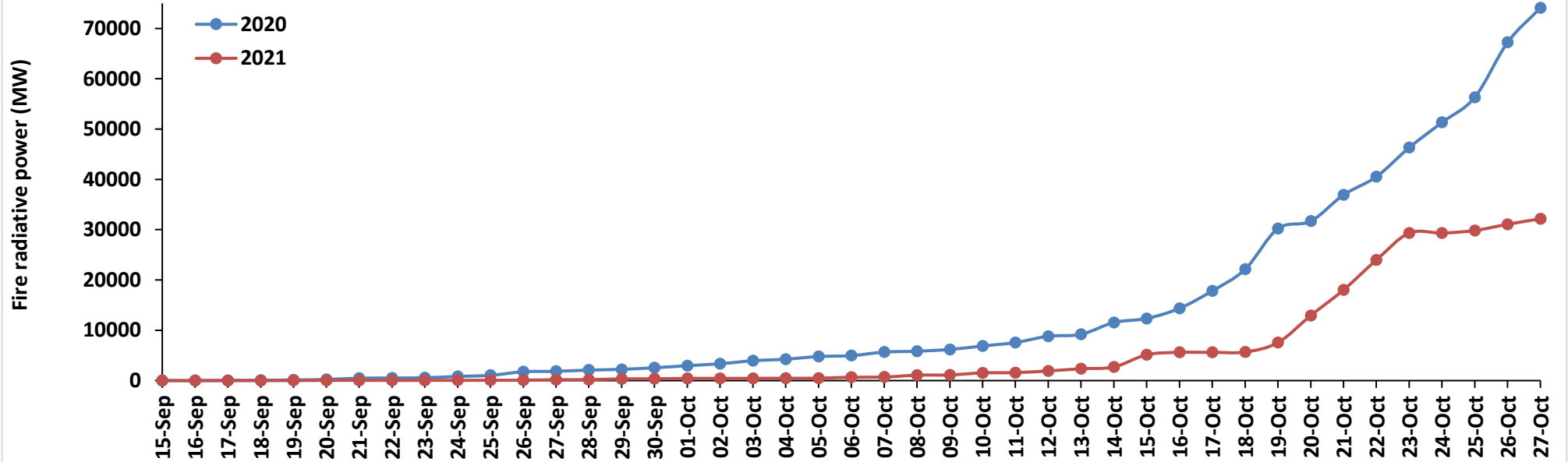


### Delhi Cumulative

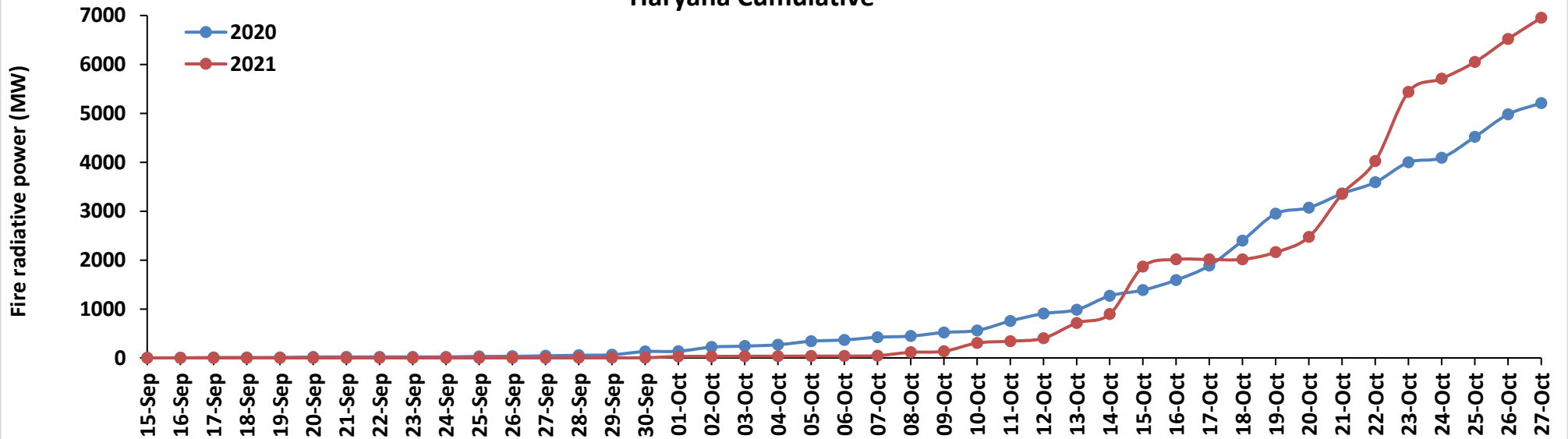


### Comparison of residue burning fire power in current year (2021) with previous year (2020) for the study States

#### Punjab Cumulative

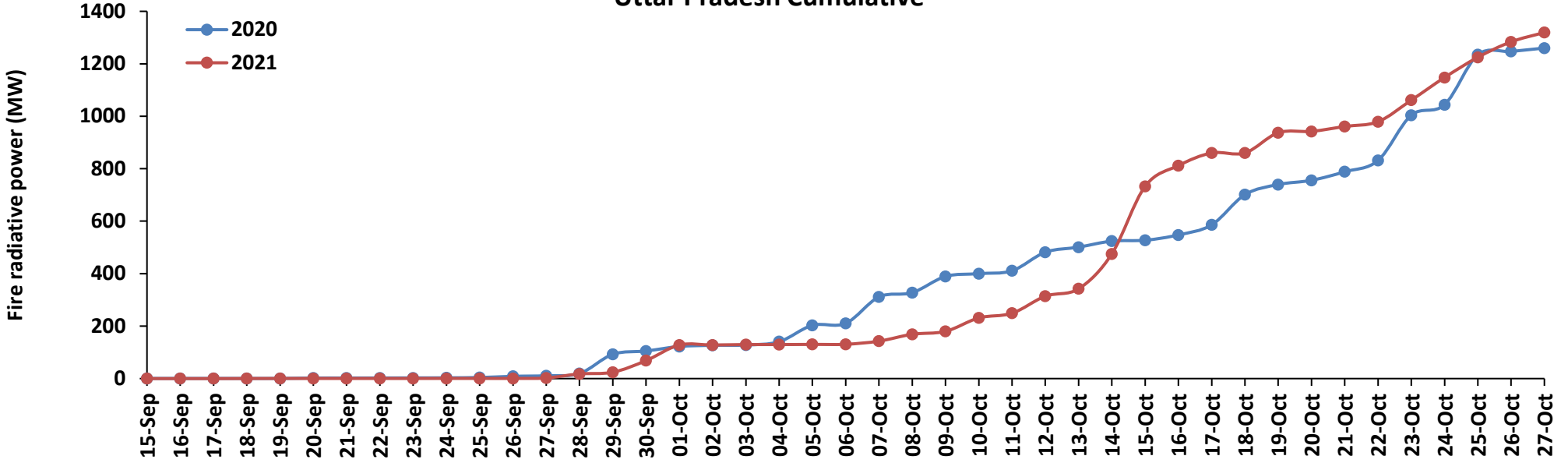


#### Haryana Cumulative

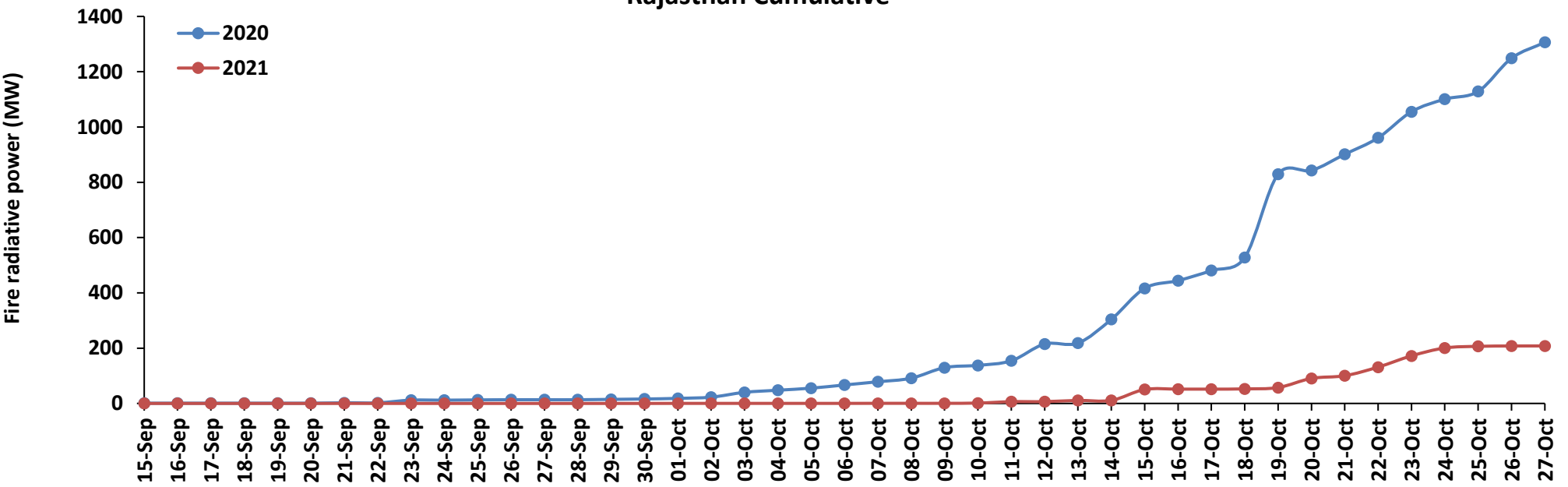




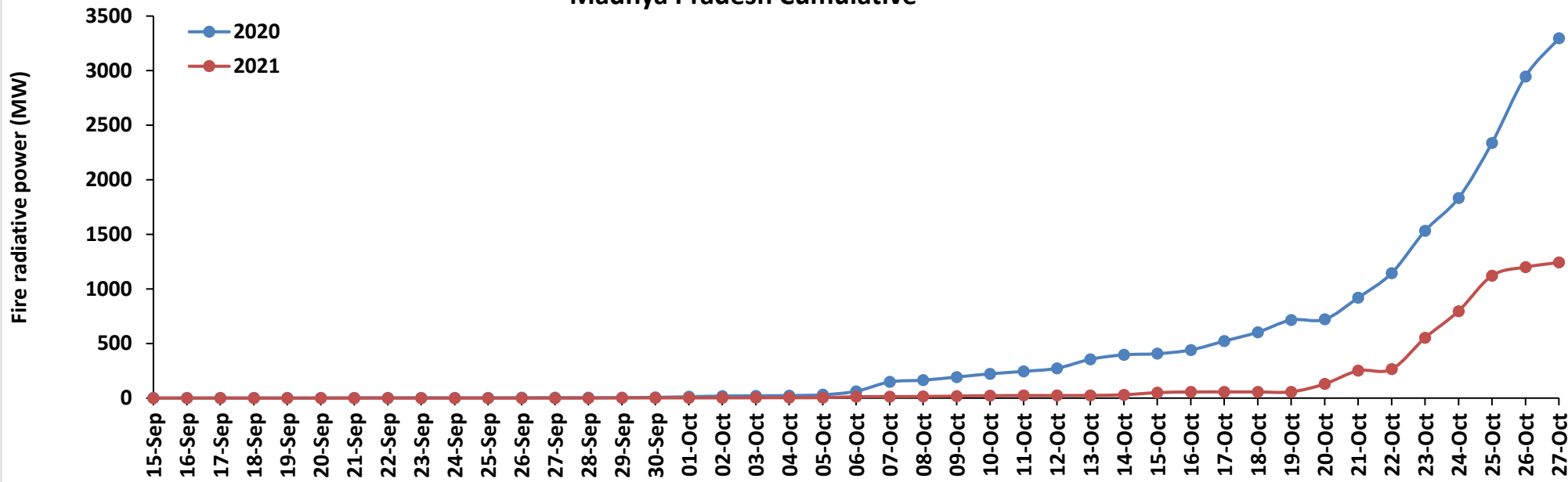
### Uttar Pradesh Cumulative



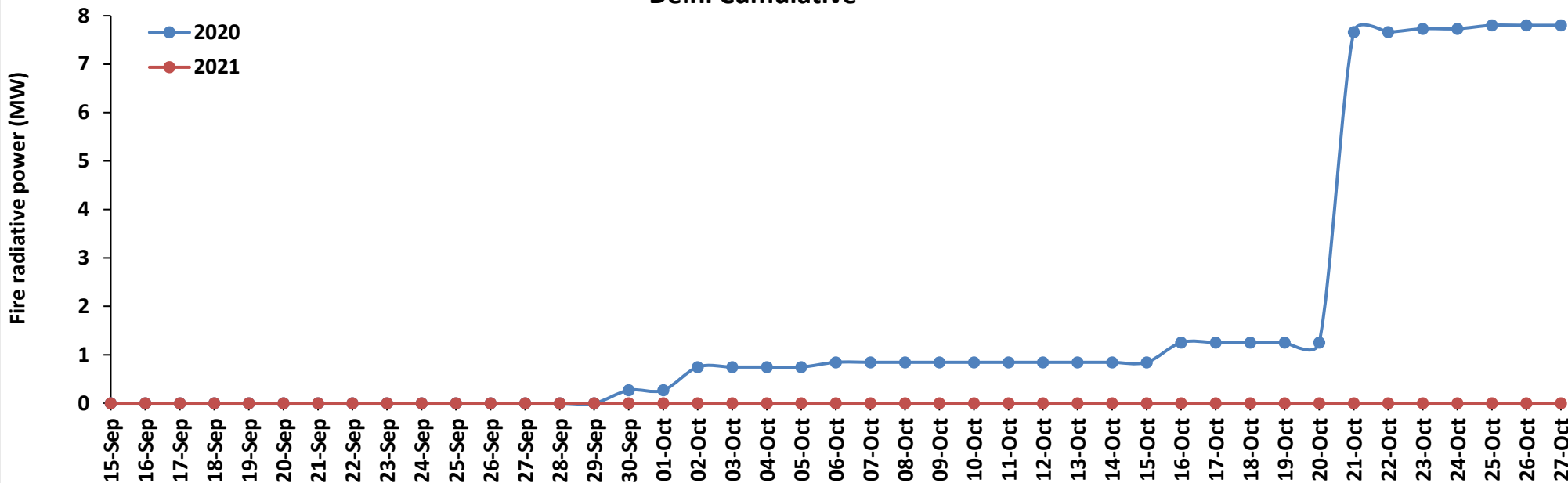
### Rajasthan Cumulative



### Madhya Pradesh Cumulative

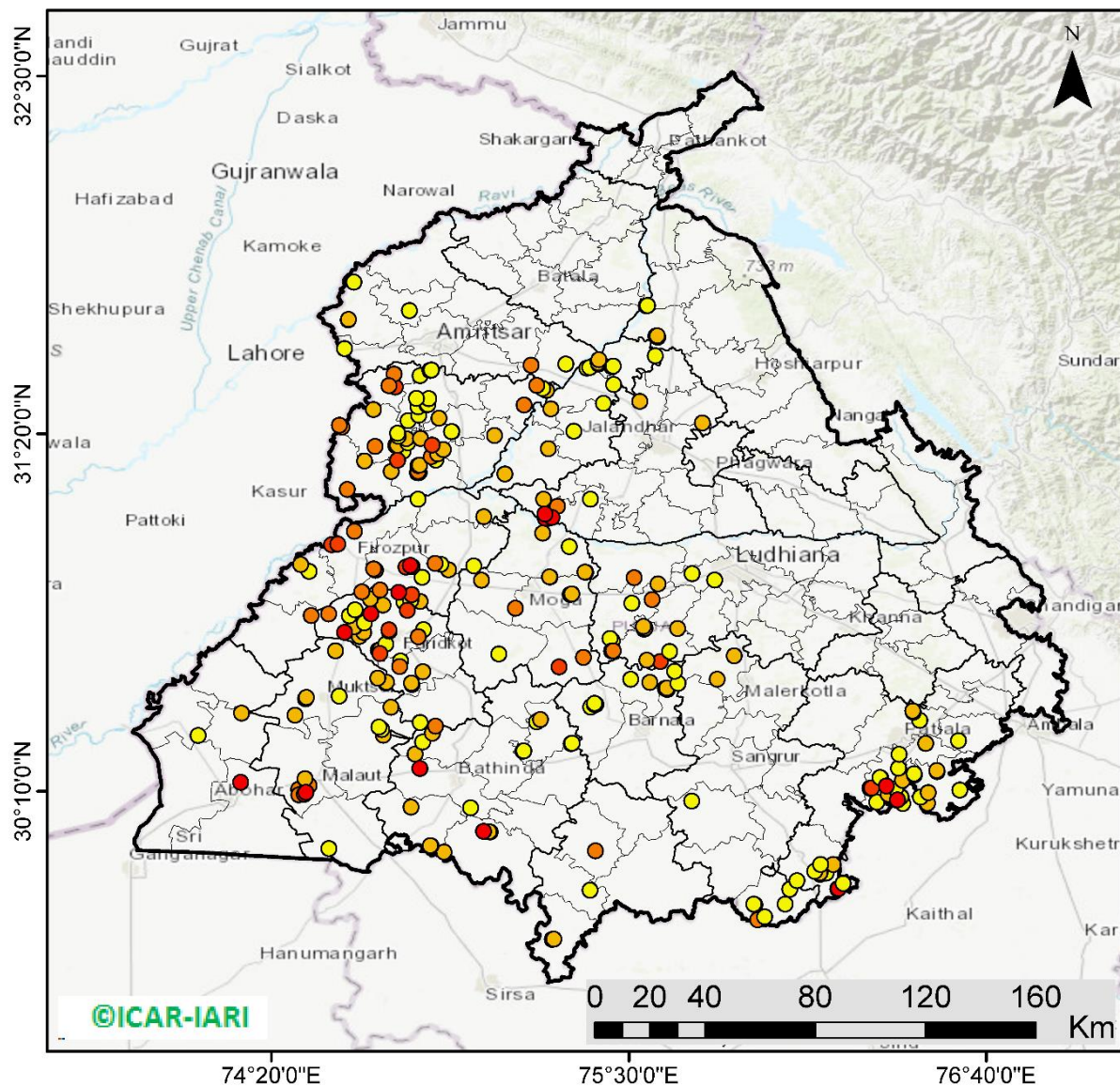


### Delhi Cumulative



# Punjab

## RICE RESIDUE BURNING IN PUNJAB



**279** burning events detected in Punjab on 27th October 2021

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

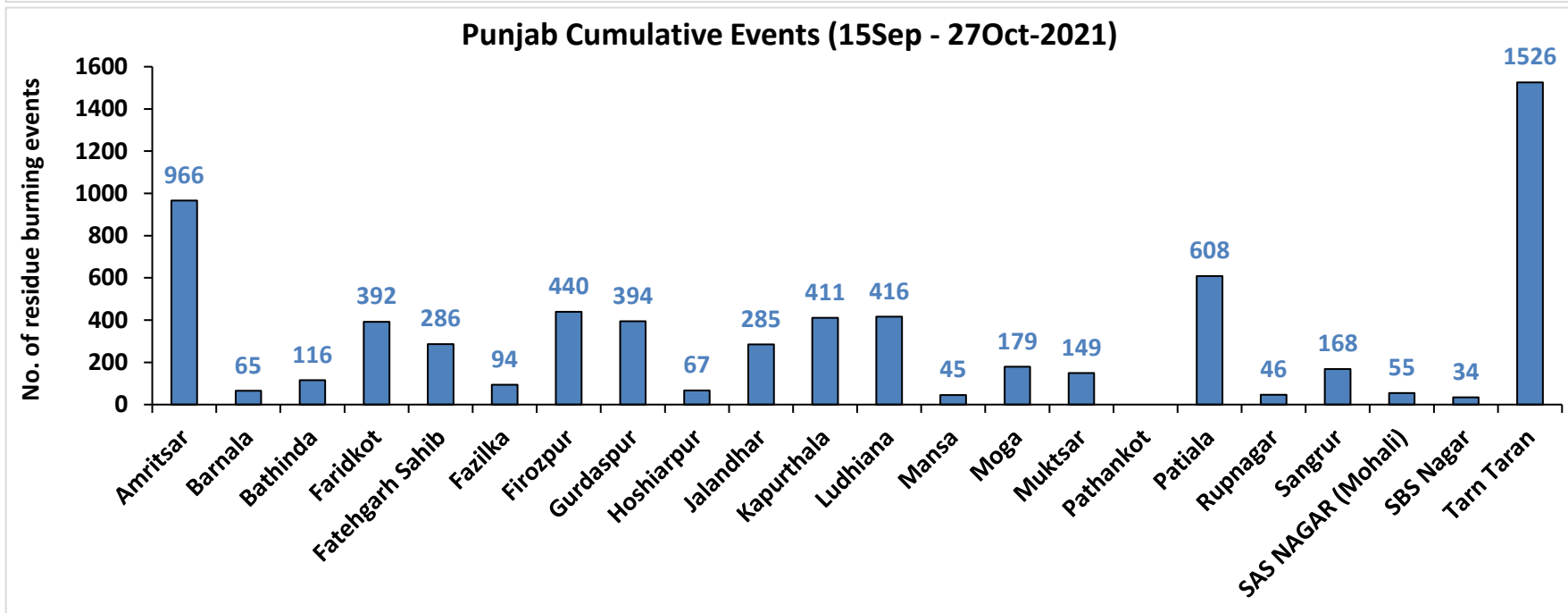
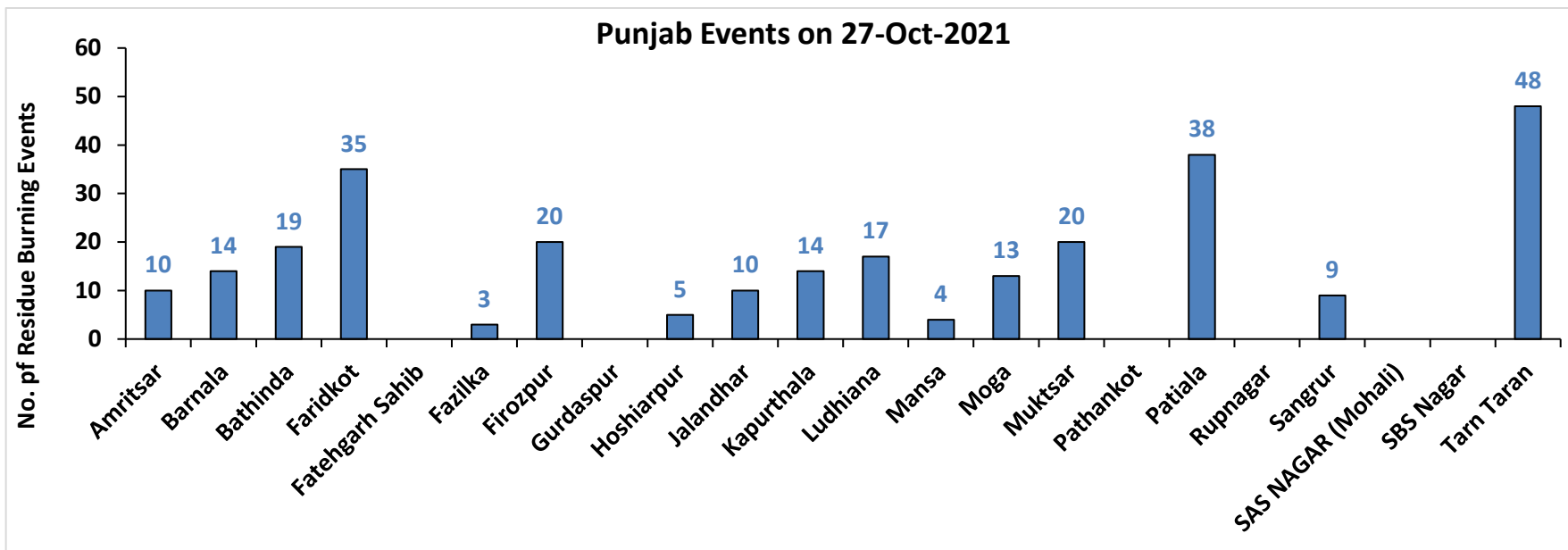
- 0 - 5
- 6 - 10
- 11 - 15
- 16 - 20
- >20



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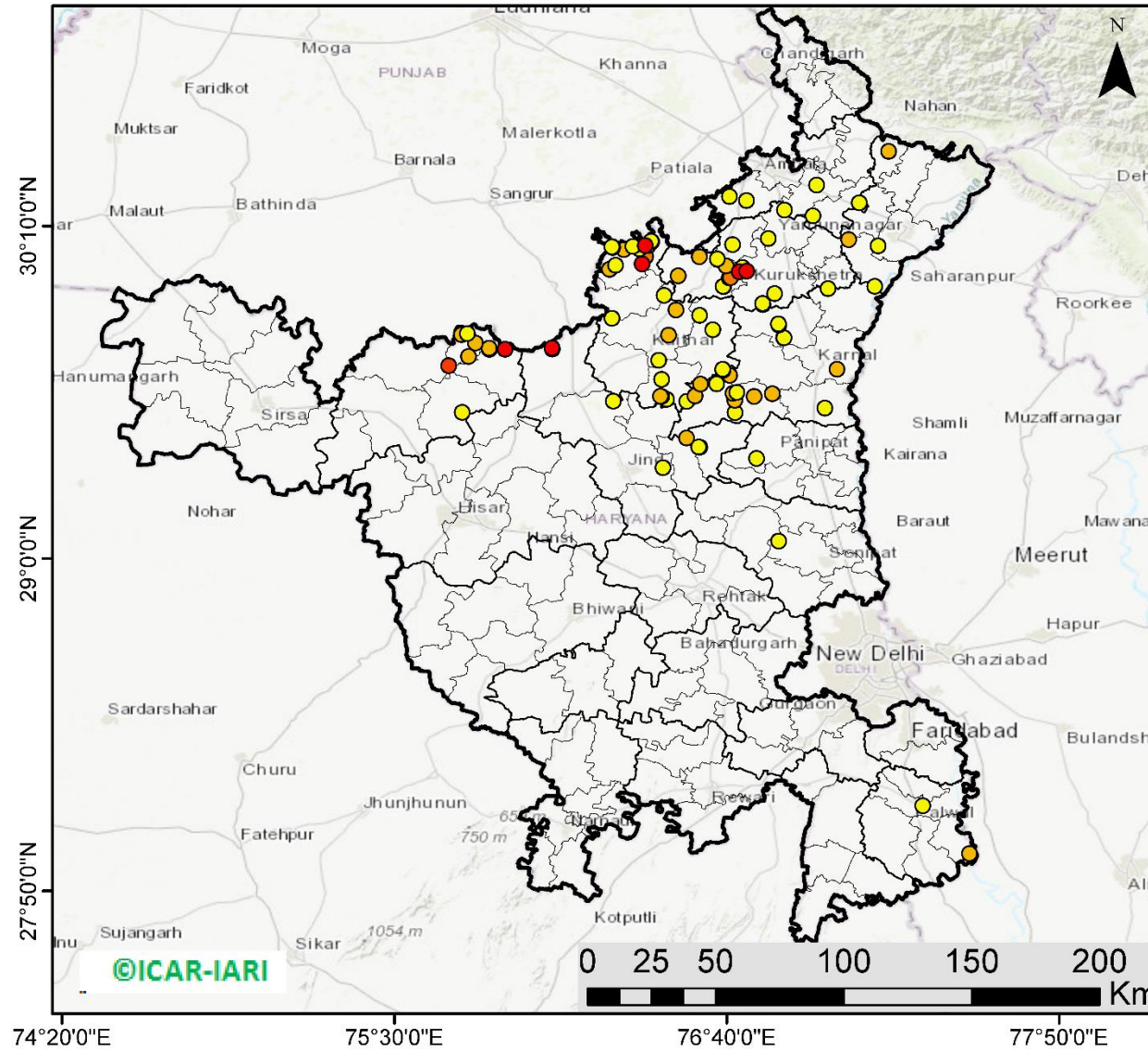
<http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

## District-wise cumulative number of residues burning events in Punjab (15 Sep - 27 Oct-2021)



# Haryana

## RICE RESIDUE BURNING IN HARYANA



**93** burning events detected in Haryana on **27th October 2021**

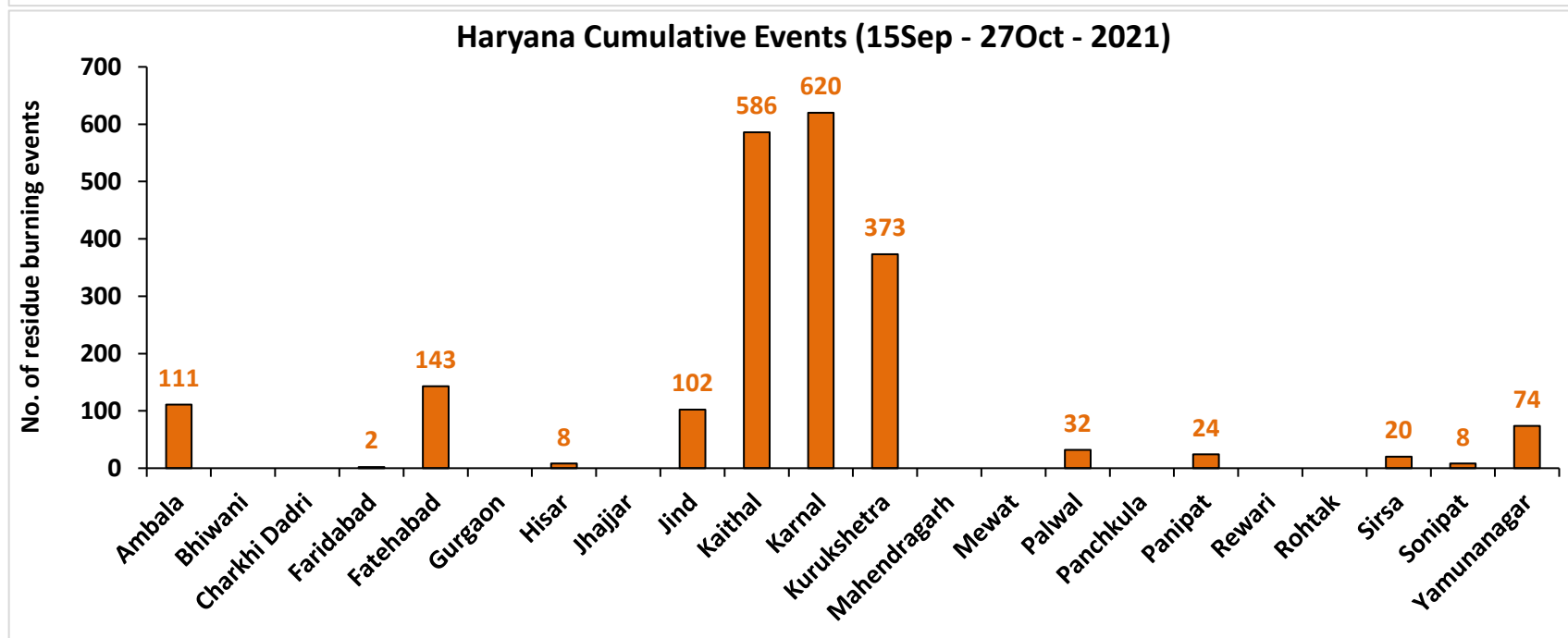
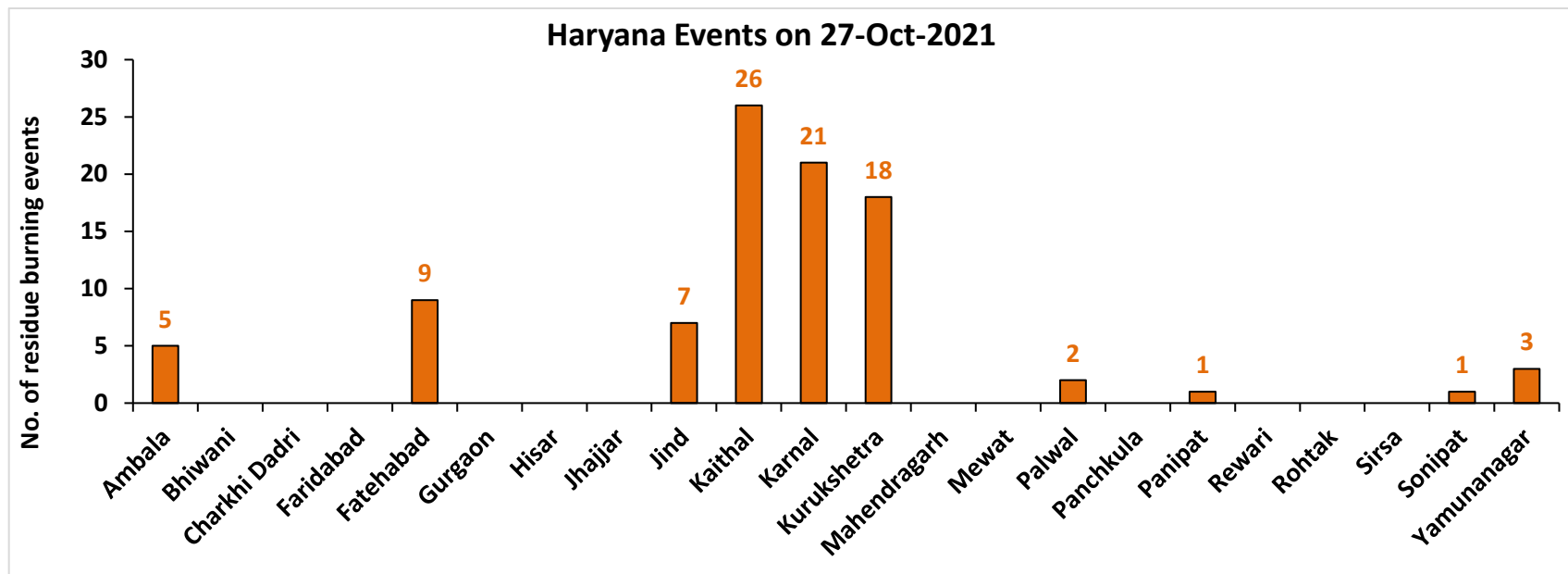
### Fire Intensity (W/m<sup>2</sup>)

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



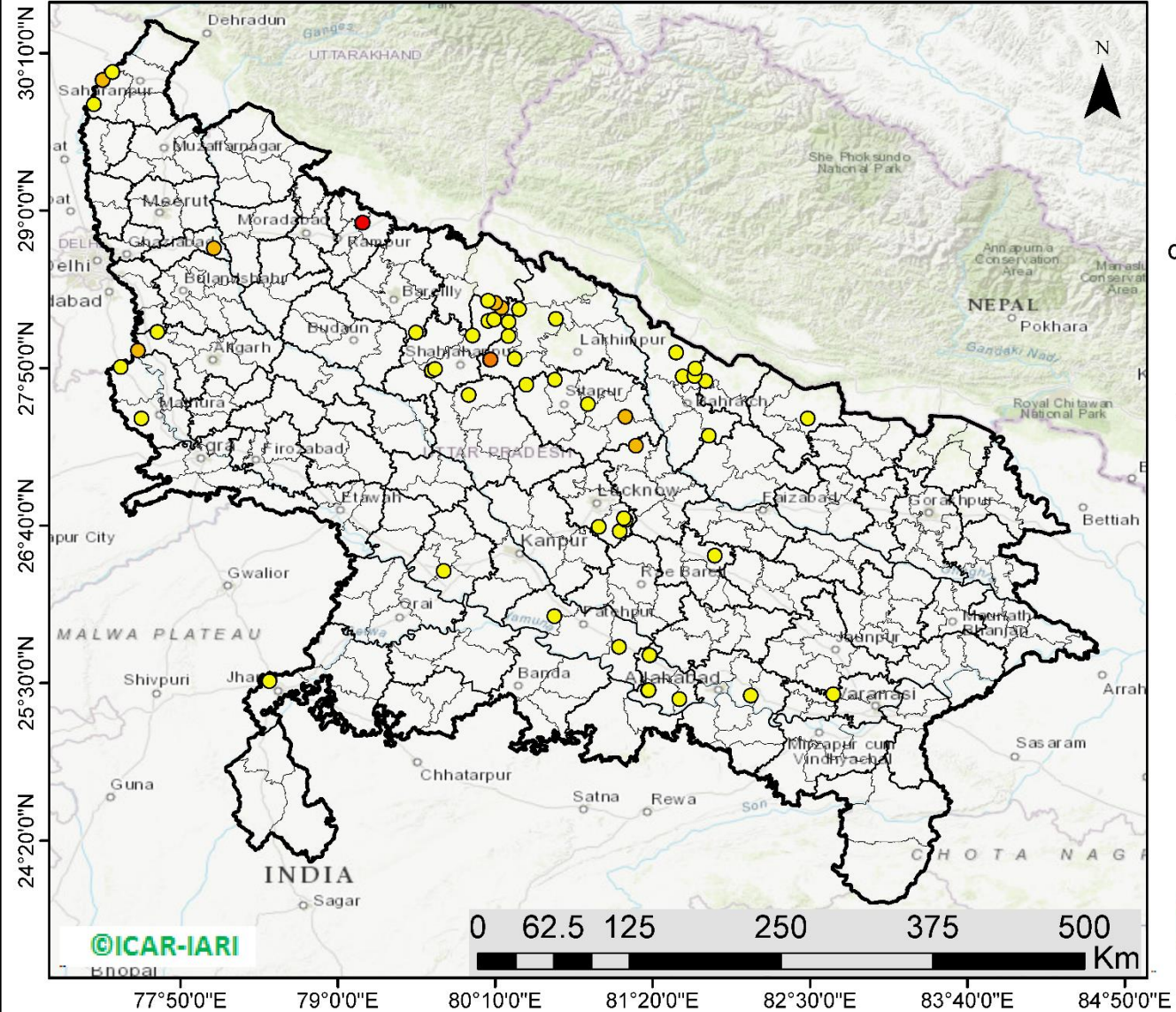
<http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

## District-wise cumulative number of residues burning events in Haryana (15 Sep - 27 Oct-2021)



Uttar Pradesh

RICE RESIDUE BURNING IN UTTAR PRADESH



58 burning events detected in Uttar Pradesh on 27th October 2021

Fire Intensity (W/m2)

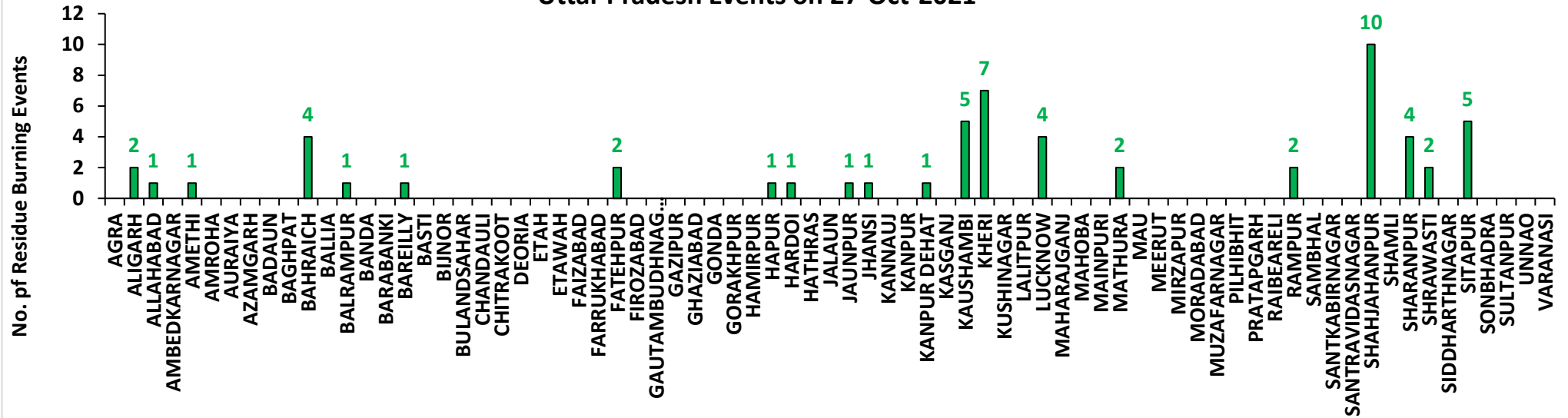
- 0 - 5
- 6 - 10
- 11 - 15
- 16 - 20
- >20



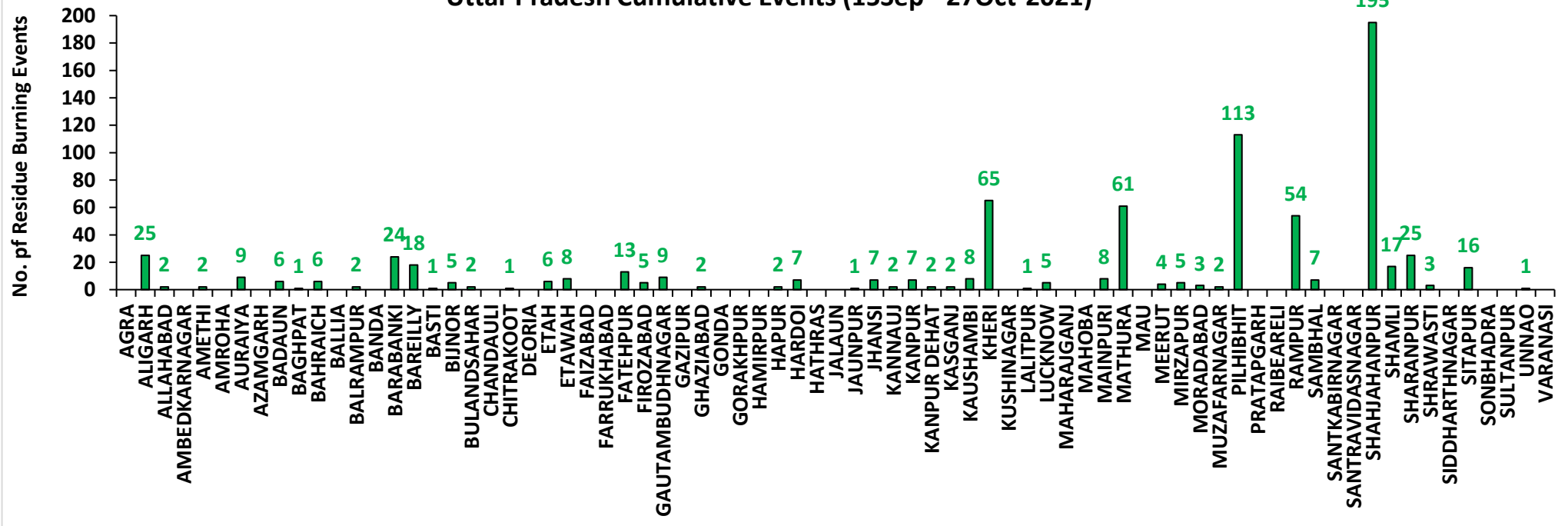
<http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

## District-wise cumulative number of residues burning events in Uttar Pradesh (15 Sep - 27 Oct-2021)

### Uttar Pradesh Events on 27-Oct-2021



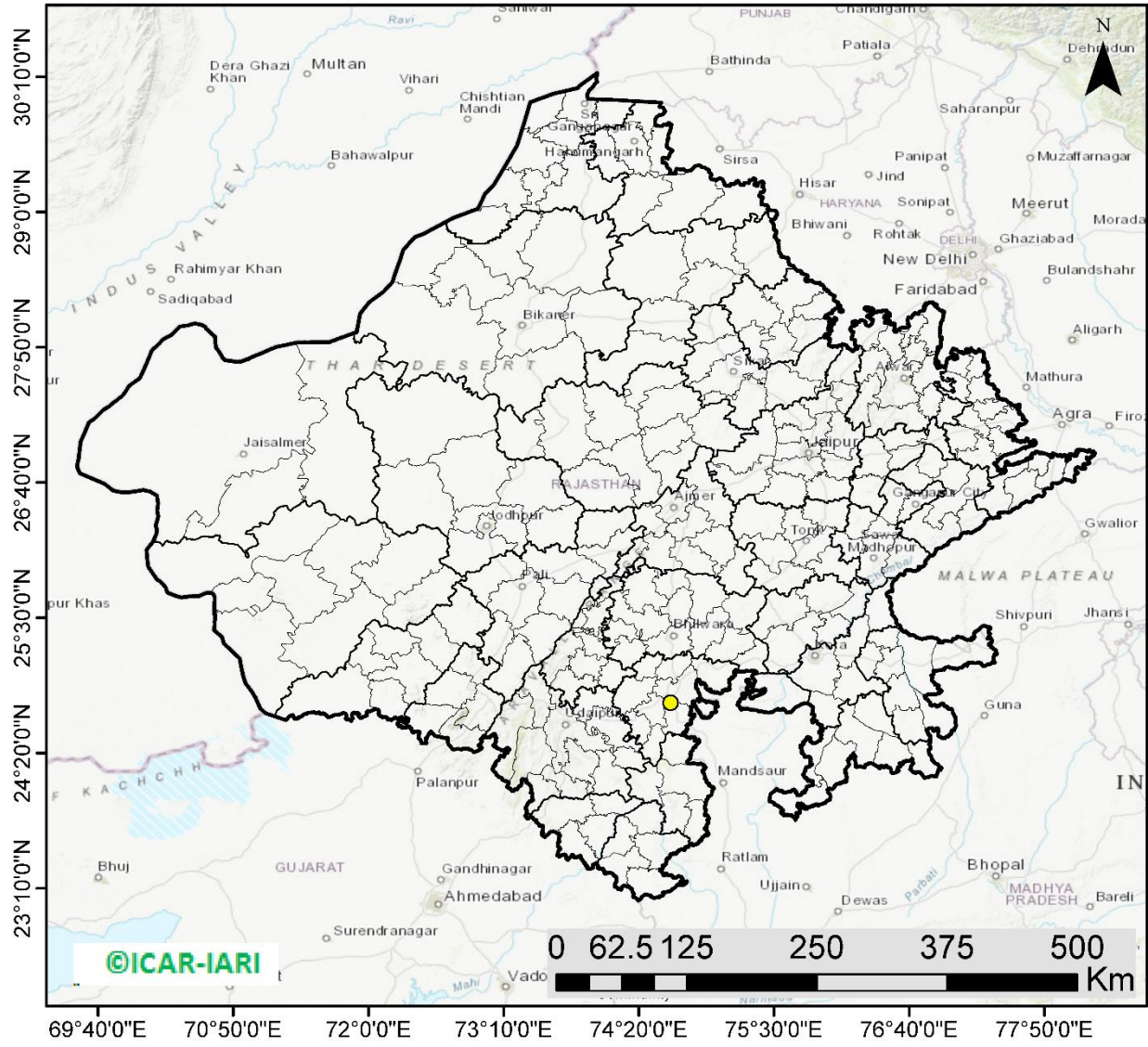
### Uttar Pradesh Cumulative Events (15Sep - 27Oct-2021)





# Rajasthan

## RICE RESIDUE BURNING IN RAJASTHAN



**01** burning events detected in Rajasthan on 27th October 2021

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

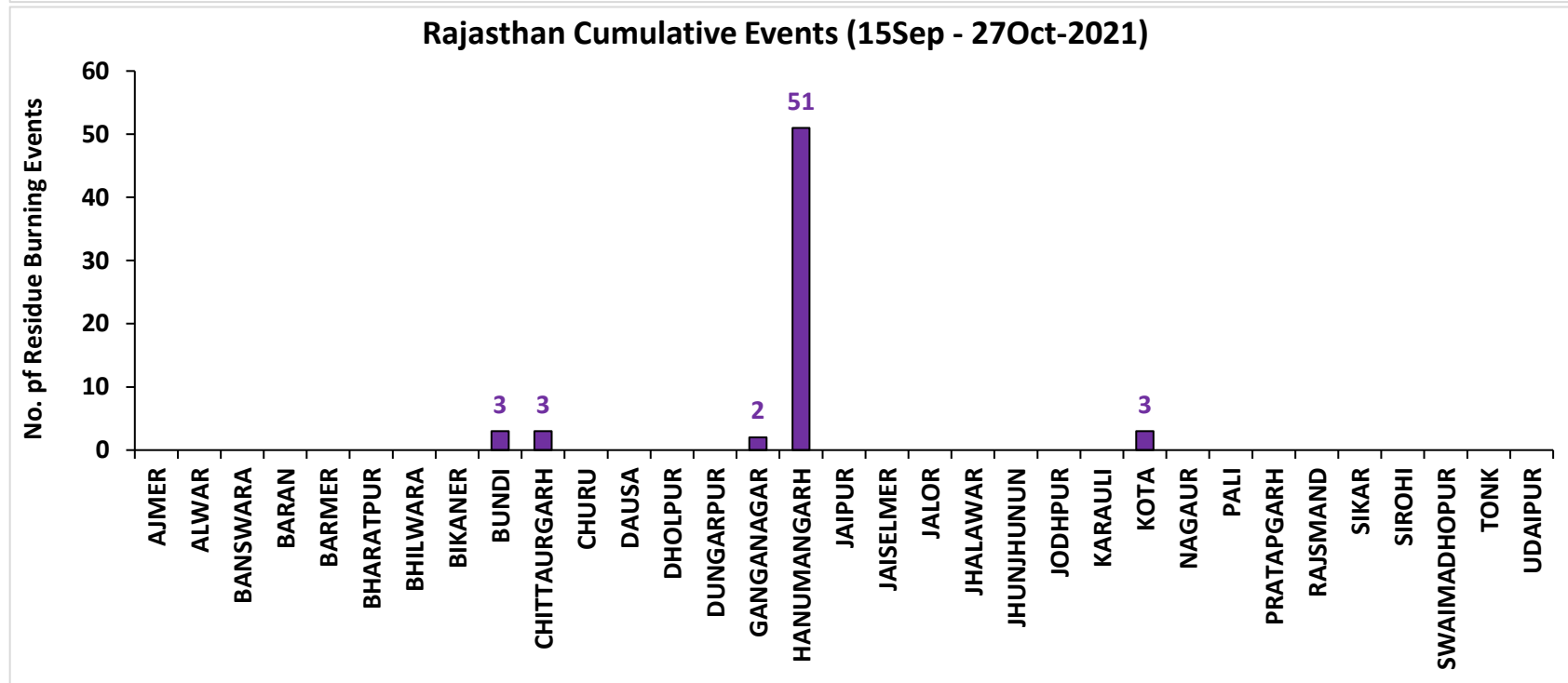
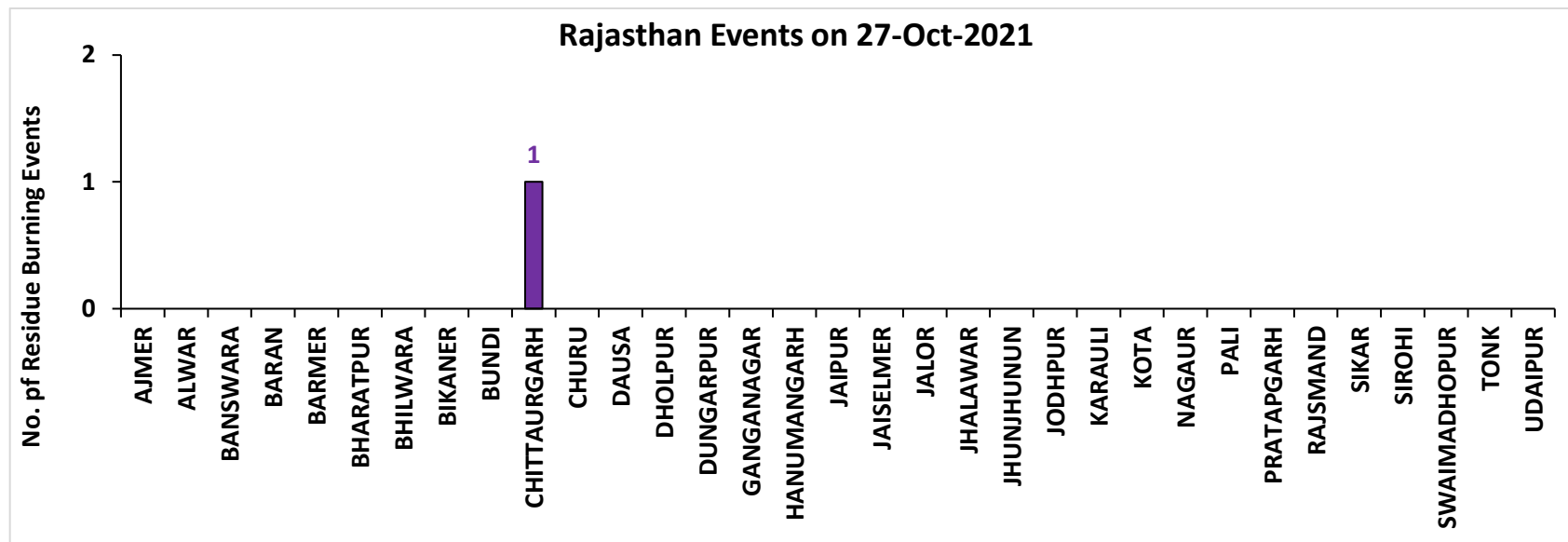
- 0 - 5
- 6 - 10
- 11 - 15
- 16 - 20
- >20

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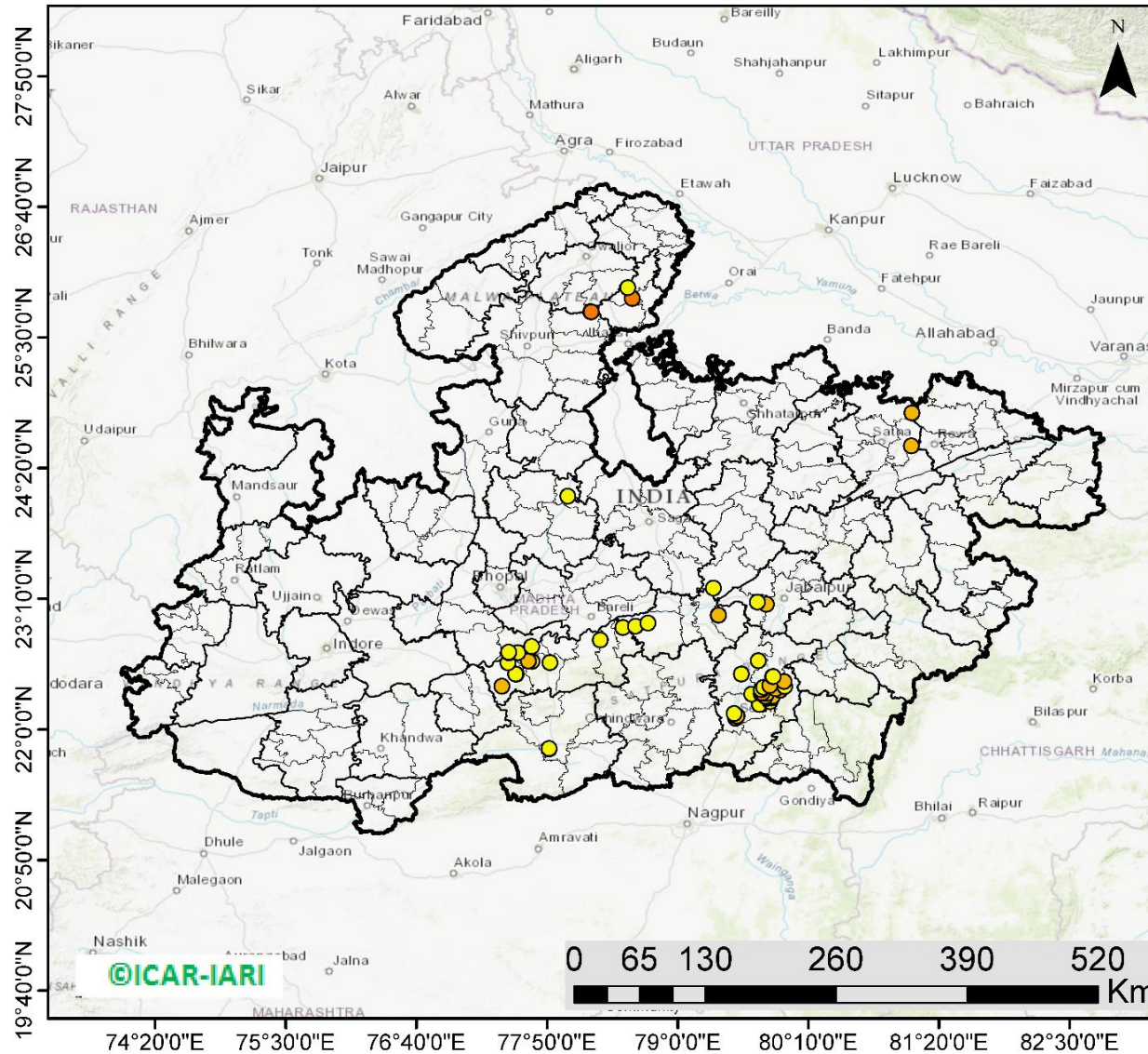
<http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

## District-wise cumulative number of residues burning events in Rajasthan (15 Sep - 27 Oct-2021)



# Madhya Pradesh

## RICE RESIDUE BURNING IN MADHYA PRADESH



**62** burning events detected in MP on 27th October 2021

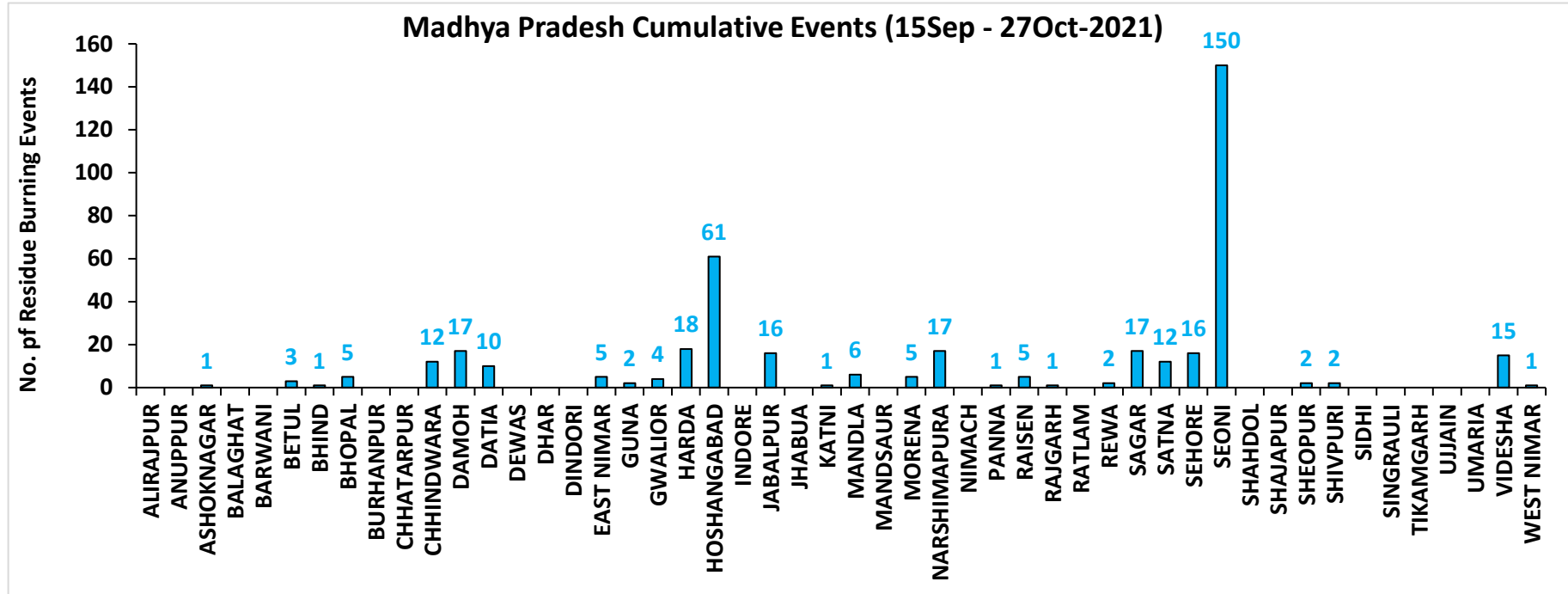
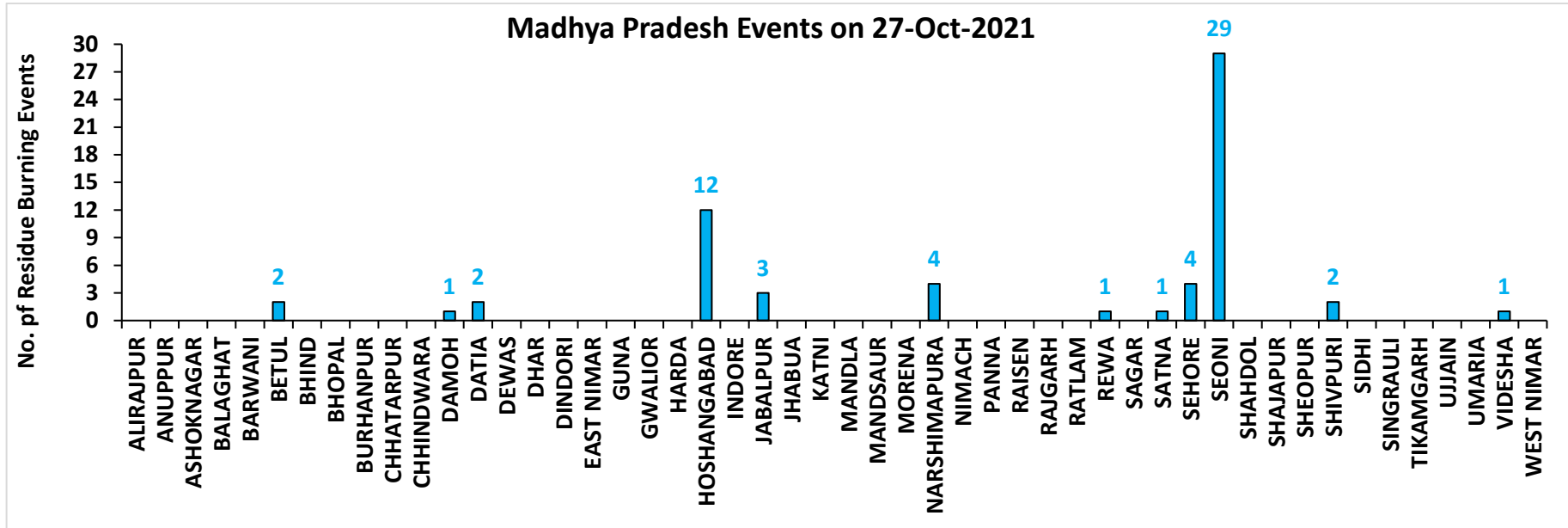
### Fire Intensity (W/m<sup>2</sup>)

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



<http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

## District-wise cumulative number of residues burning events in Madhya Pradesh (15 Sep - 27 Oct-2021)



**District-wise cumulative number of residues burning events detected in 2020 and 2021**

**(Period: 15 September - 27 October)**

**(a) Punjab**

District	15 Sep – 27 Oct	
	2020	2021
AMRITSAR	2523	966
BARNALA	239	65
BATHINDA	390	116
FARIDKOT	1066	392
FATEHGARH SAHIB	672	286
FAZILKA	302	94
FIROZPUR	2904	440
GURDASPUR	1585	394
HOSHIARPUR	264	67
JALANDHAR	544	285
KAPURTHALA	1083	411
LUDHIANA	677	416
MANSA	282	45
MOGA	488	179
MUKTSAR	553	149
PATHANKOT	8	0
PATIALA	1932	608
RUPNAGAR	91	46
SANGRUR	1105	168
SAS NAGAR (MOHALI)	92	55
SBS NAGAR	42	34
TARN TARAN	4068	1526
<b>Total</b>	<b>20910</b>	<b>6742</b>

**(b) Haryana**

District	15 Sep – 27 Oct	
	2020	2021
AMBALA	259	111
BHIWANI	0	0
CHARKHI DADRI	0	0
FARIDABAD	1	2
FATEHABAD	152	143
GURGAON	0	0
HISAR	10	8
JHAJJAR	1	0
JIND	64	102
KAITHAL	433	586
KARNAL	456	620
KURUKSHETRA	359	373
MAHENDRAGARH	0	0
MEWAT	0	0
PALWAL	32	32
PANCHKULA	0	0
PANIPAT	14	24
REWARI	0	0
ROHTAK	5	0
SIRSA	41	20
SONIPAT	17	8
YAMUNANAGAR	101	74
<b>Total</b>	<b>1945</b>	<b>2103</b>

(c) Uttar Pradesh

District	15 Sep – 27 Oct							
	2020	2021	GAUTAMBUDHNAGAR	6	9	MUZAFARNAGAR	3	2
AGRA	2	0	GAZIPUR	0	0	PILHIBHIT	10	113
ALIGARH	65	25	GHAZIABAD	6	2	PRATAPGARH	4	0
ALLAHABAD	0	2	GONDA	0	0	RAIBEARELI	1	0
AMBEDKARNAGAR	0	0	GORAKHPUR	1	0	RAMPUR	68	54
AMETHI	1	2	HAMIRPUR	1	0	SAMBHAL	7	7
AMROHA	2	0	HAPUR	7	2	SANTKABIRNAGAR	0	0
AURAIYA	19	9	HARDOI	21	7	SANTRAVIDASNAGAR	0	0
AZAMGARH	0	0	HATHRAS	0	0	SHAHJAHANPUR	54	195
BADAUN	2	6	JALAUN	1	0	SHAMLI	23	17
BAGHPAT	5	1	JAUNPUR	0	1	SHARANPUR	48	25
BAHRAICH	33	6	JHANSI	33	7	SHRAWASTI	11	3
BALLIA	0	0	KANNAUJ	9	2	SIDDHARTHANAGAR	0	0
BALRAMPUR	5	2	KANPUR	6	7	SITAPUR	24	16
BANDA	0	0	KANPUR DEHAT	17	2	SONBHADRA	0	0
BARABANKI	23	24	KASGANJ	2	2	SULTANPUR	1	0
BAREILLY	25	18	KAUSHAMBI	18	8	UNNAO	7	1
BASTI	3	1	KHERI	55	65	VARANASI	1	0
BIJNOR	8	5	KUSHINAGAR	0	0	<b>Total</b>	<b>856</b>	<b>770</b>
BULANDSAHAR	19	2	LALITPUR	0	1			
CHANDAULI	0	0	LUCKNOW	4	5			
CHITRAKOOT	0	1	MAHARAJGANJ	0	0			
DEORIA	1	0	MAHOBA	12	0			
ETAH	12	6	MAINPURI	15	8			
ETAWAH	10	8	MATHURA	70	61			
FAIZABAD	3	0	MAU	0	0			
FARRUKHABAD	1	0	MEERUT	16	4			
FATEHPUR	29	13	MIRZAPUR	6	5			
FIROZABAD	12	5	MORADABAD	8	3			

**(d) Delhi**

District	15 Sep – 27 Oct	
	2020	2021
CENTRAL	0	0
EAST	0	0
NEW DELHI	0	0
NORTH	2	0
NORTH EAST	0	0
NORTH WEST DELHI	3	0
SHAHADRA	0	0
SOUTH	1	0
SOUTH EAST	0	0
SOUTH WEST DELHI	0	0
WEST DELHI	2	0
<b>Total</b>	<b>8</b>	<b>0</b>

**(e) Rajasthan**

District	15 Sep – 27 Oct	
	2020	2021
AJMER	2	0
ALWAR	4	0
BANSWARA	0	0
BARAN	115	0
BARMER	2	0
BHARATPUR	2	0
BHILWARA	4	0
BIKANER	1	0
BUNDI	34	3
CHITTAURGARH	0	3
CHURU	0	0
DAUSA	0	0
DHOLPUR	0	0
DUNGARPUR	0	0
GANGANAGAR	9	2
HANUMANGARH	257	51
JAIPUR	2	0
JAISELMER	2	0
JALOR	0	0
JHALAWAR	1	0
JHUNJHUNUN	1	0
JODHPUR	2	0
KARALI	1	0
KOTA	57	3
NAGPUR	0	0
PALI	2	0
PRATAPGARH	5	0
RAJSMAND	0	0
SIKAR	0	0
SIROHI	1	0
SWAIMADHOPUR	21	0
TONK	3	0
UDAIPUR	0	0
<b>Total</b>	<b>528</b>	<b>62</b>

(f) Madhya Pradesh

District	15 Sep – 27 Oct				
	2020	2021			
			PANNA	11	1
ALIRAJPUR	0	0	RAISEN	101	5
ANUPPUR	0	0	RAJGARH	9	1
ASHOKNAGAR	55	1	RATLAM	0	0
BALAGHAT	0	0	REWA	24	2
BARWANI	0	0	SAGAR	21	17
BETUL	5	3	SATNA	56	12
BHIND	25	1	SEHORE	34	16
BHOPAL	17	5	SEONI	244	150
BURHANPUR	0	0	SHAHDOL	0	0
CHHATARPUR	4	0	SHAJAPUR	7	0
CHHINDWARA	20	12	SHEOPUR	84	2
DAMOH	45	17	SHIVPURI	34	2
DATIA	175	10	SIDHI	0	0
DEWAS	3	0	SINGRAULI	0	0
DHAR	26	0	TIKAMGARH	1	0
DINDORI	0	0	UJJAIN	5	0
EAST NIMAR	11	5	UMARIA	0	0
GUNA	34	2	VIDESHA	84	15
GWALIOR	214	4	WEST NIMAR	24	1
HARDA	12	18	<b>Total</b>	<b>1795</b>	<b>408</b>
HOSHANGABAD	248	61			
INDORE	2	0			
JABALPUR	54	16			
JHABUA	0	0			
KATNI	29	1			
MANDLA	6	6			
MANDSAUR	4	0			
MORENA	36	5			
NARSHIMAPURA	31	17			
NIMACH	0	0			



**State-wise and date-wise number of paddy residue burning events detected in 2020 and 2021**  
**(Period: 15 September – 27 October)**

**Number of Paddy Residue Burning Events Detected**

	Punjab		Haryana		Uttar Pradesh		Delhi		Rajasthan		Madhya Pradesh	
	2020	2021	2020	2021	2020	2021	2020	2021	2020	2021	2020	2021
15-Sep	5	0	2	0	1	0	0	0	1	0	2	0
16-Sep	0	2	1	0	0	0	0	0	0	0	0	0
17-Sep	5	0	3	0	0	0	0	0	0	0	0	0
18-Sep	17	9	0	0	0	1	0	0	0	0	0	0
19-Sep	30	5	2	0	0	1	0	0	0	0	0	0
20-Sep	67	8	6	0	2	0	0	0	0	0	0	0
21-Sep	54	0	2	0	1	0	0	0	1	0	2	0
22-Sep	34	0	1	0	1	0	0	0	0	0	0	0
23-Sep	49	0	0	0	1	0	0	0	1	0	0	0
24-Sep	78	5	0	0	1	1	0	0	0	0	0	0
25-Sep	184	11	11	0	5	0	0	0	1	0	0	0
26-Sep	190	19	5	0	8	0	0	0	1	0	2	0
27-Sep	78	37	8	0	4	1	0	0	0	0	1	0
28-Sep	55	28	6	1	1	6	0	0	0	0	1	1
29-Sep	63	64	9	4	6	10	0	0	3	0	0	4
30-Sep	116	27	22	2	13	13	1	0	1	0	5	0
01-Oct	165	13	15	4	7	13	0	0	4	1	13	0
02-Oct	141	0	30	2	12	0	1	0	7	0	12	0
03-Oct	110	9	8	6	4	3	0	0	9	0	5	1
04-Oct	162	23	29	2	8	0	0	0	15	0	4	2
05-Oct	161	18	17	3	14	2	0	0	14	0	13	1
06-Oct	171	42	30	0	12	1	1	0	16	0	37	1
07-Oct	197	72	32	11	41	13	0	0	14	1	31	1
08-Oct	95	108	29	27	25	11	0	0	11	0	17	2
09-Oct	121	114	20	39	15	20	0	0	12	0	15	4
10-Oct	232	150	33	95	9	54	0	0	14	1	18	10
11-Oct	377	64	90	51	23	28	0	0	21	7	32	2
12-Oct	388	97	69	51	46	23	0	0	24	1	44	1

<b>13-Oct</b>	266	132	47	91	36	42	0	0	7	5	21	2
<b>14-Oct</b>	605	229	69	98	9	68	0	0	16	1	15	11
<b>15-Oct</b>	449	660	106	363	15	149	0	0	9	8	8	27
<b>16-Oct</b>	654	429	80	176	21	121	1	0	12	2	23	13
<b>17-Oct</b>	1172	14	143	0	38	39	0	0	26	0	63	1
<b>18-Oct</b>	938	57	166	1	76	0	0	0	37	2	88	0
<b>19-Oct</b>	1080	496	72	55	43	5	0	0	27	5	49	1
<b>20-Oct</b>	890	788	62	155	31	1	0	0	26	4	9	21
<b>21-Oct</b>	1392	597	101	131	25	5	2	0	32	2	112	30
<b>22-Oct</b>	1665	1111	128	140	32	3	0	0	29	5	183	29
<b>23-Oct</b>	1438	620	106	218	84	8	1	0	23	7	204	32
<b>24-Oct</b>	911	0	57	38	63	11	0	0	20	4	150	34
<b>25-Oct</b>	1416	76	155	71	50	18	1	0	18	2	144	60
<b>26-Oct</b>	2126	329	77	175	33	41	0	0	34	3	178	55
<b>27-Oct</b>	2563	279	96	93	40	58	0	0	42	1	294	62
<b>Total</b>	<b>20910</b>	<b>6742</b>	<b>1945</b>	<b>2103</b>	<b>856</b>	<b>770</b>	<b>8</b>	<b>0</b>	<b>528</b>	<b>62</b>	<b>1795</b>	<b>408</b>

### Details of residue burning events in Punjab on 27-Oct-2021

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_DATE	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	AMRITSAR	ATTARI	S-NPP	31.53970	74.85080	10/27/2021	12:58:48	D	5.00
2	AMRITSAR	ATTARI	S-NPP	31.53970	74.85350	10/27/2021	12:58:48	D	5.80
3	AMRITSAR	ATTARI	S-NPP	31.54090	74.85610	10/27/2021	12:58:48	D	5.00
4	AMRITSAR	ATTARI	S-NPP	31.61090	74.57200	10/27/2021	12:58:48	D	4.10
5	AMRITSAR	CHOGAWAN	S-NPP	31.70440	74.58410	10/27/2021	12:58:48	D	7.10
6	AMRITSAR	CHOGAWAN	S-NPP	31.70560	74.58450	10/27/2021	12:58:48	D	5.10
7	AMRITSAR	CHOGAWAN	S-NPP	31.82780	74.60260	10/27/2021	12:58:48	D	3.00
8	AMRITSAR	HARSHA CHHINA	S-NPP	31.73470	74.78400	10/27/2021	12:58:48	D	4.70
9	AMRITSAR	RAYYA	S-NPP	31.56050	75.29490	10/27/2021	12:58:48	D	2.10
10	AMRITSAR	RAYYA	AQUA	31.55700	75.18100	10/27/2021	14:08:54	D	11.50
11	BARNALA	BARNALA	S-NPP	30.49910	75.62540	10/27/2021	12:58:48	D	2.30
12	BARNALA	BARNALA	S-NPP	30.50100	75.62280	10/27/2021	12:58:48	D	15.50
13	BARNALA	BARNALA	S-NPP	30.50340	75.62420	10/27/2021	12:58:48	D	8.70
14	BARNALA	MAHAL KALAN	S-NPP	30.50240	75.61910	10/27/2021	12:58:48	D	4.80
15	BARNALA	MAHAL KALAN	S-NPP	30.51860	75.66040	10/27/2021	12:58:48	D	3.70
16	BARNALA	MAHAL KALAN	S-NPP	30.52190	75.56860	10/27/2021	12:58:48	D	6.60
17	BARNALA	MAHAL KALAN	S-NPP	30.53180	75.50640	10/27/2021	12:58:48	D	4.60
18	BARNALA	MAHAL KALAN	S-NPP	30.53720	75.61780	10/27/2021	12:58:48	D	61.70
19	BARNALA	MAHAL KALAN	S-NPP	30.55790	75.64920	10/27/2021	12:58:48	D	3.40
20	BARNALA	SEHNA	S-NPP	30.44120	75.37540	10/27/2021	12:58:48	D	3.40
21	BARNALA	SEHNA	S-NPP	30.44890	75.38980	10/27/2021	12:58:48	D	5.10
22	BARNALA	SEHNA	S-NPP	30.44940	75.38780	10/27/2021	12:58:48	D	4.30
23	BARNALA	SEHNA	S-NPP	30.45060	75.39290	10/27/2021	12:58:48	D	6.50
24	BARNALA	SEHNA	S-NPP	30.45340	75.38850	10/27/2021	12:58:48	D	4.90
25	BATHINDA	BATHINDA	S-NPP	30.11240	74.98380	10/27/2021	12:58:48	D	5.00
26	BATHINDA	BATHINDA	AQUA	30.24100	74.81800	10/27/2021	14:08:54	D	21.10
27	BATHINDA	GONIANA MANDI	S-NPP	30.28770	74.80260	10/27/2021	12:58:48	D	6.60
28	BATHINDA	GONIANA MANDI	S-NPP	30.32740	74.82700	10/27/2021	12:58:48	D	4.70
29	BATHINDA	GONIANA MANDI	S-NPP	30.35600	74.85900	10/27/2021	12:58:48	D	8.40

30	BATHINDA	GONIANA MANDI	AQUA	30.37900	74.86900	10/27/2021	14:08:54	D	12.90
31	BATHINDA	PHUL	S-NPP	30.29780	75.15450	10/27/2021	12:58:48	D	3.60
32	BATHINDA	PHUL	S-NPP	30.29820	75.15750	10/27/2021	12:58:48	D	5.00
33	BATHINDA	PHUL	S-NPP	30.32210	75.31200	10/27/2021	12:58:48	D	6.00
34	BATHINDA	PHUL	S-NPP	30.32350	75.31450	10/27/2021	12:58:48	D	4.40
35	BATHINDA	PHUL	S-NPP	30.39360	75.19850	10/27/2021	12:58:48	D	3.50
36	BATHINDA	PHUL	S-NPP	30.40090	75.21160	10/27/2021	12:58:48	D	6.00
37	BATHINDA	SANGAT	S-NPP	29.98870	74.85470	10/27/2021	12:58:48	D	6.50
38	BATHINDA	SANGAT	S-NPP	29.98980	74.85200	10/27/2021	12:58:48	D	5.20
39	BATHINDA	SANGAT	S-NPP	30.11500	74.78880	10/27/2021	12:58:48	D	7.80
40	BATHINDA	TALWANDI SABO	S-NPP	29.96840	74.89670	10/27/2021	12:58:48	D	9.00
41	BATHINDA	TALWANDI SABO	S-NPP	30.03400	75.04770	10/27/2021	12:58:48	D	3.50
42	BATHINDA	TALWANDI SABO	S-NPP	30.03500	75.04400	10/27/2021	12:58:48	D	5.60
43	BATHINDA	TALWANDI SABO	S-NPP	30.03590	75.02600	10/27/2021	12:58:48	D	20.50
44	FARIDKOT	FARIDKOT	S-NPP	30.62520	74.68480	10/27/2021	12:58:48	D	9.70
45	FARIDKOT	FARIDKOT	S-NPP	30.62660	74.68220	10/27/2021	12:58:48	D	8.30
46	FARIDKOT	FARIDKOT	S-NPP	30.62790	74.68790	10/27/2021	12:58:48	D	8.30
47	FARIDKOT	FARIDKOT	S-NPP	30.64680	74.70640	10/27/2021	12:58:48	D	4.20
48	FARIDKOT	FARIDKOT	S-NPP	30.67180	74.62050	10/27/2021	12:58:48	D	6.90
49	FARIDKOT	FARIDKOT	S-NPP	30.68490	74.63480	10/27/2021	12:58:48	D	8.40
50	FARIDKOT	FARIDKOT	S-NPP	30.68870	74.71800	10/27/2021	12:58:48	D	15.10
51	FARIDKOT	FARIDKOT	S-NPP	30.69320	74.71670	10/27/2021	12:58:48	D	15.10
52	FARIDKOT	FARIDKOT	S-NPP	30.69390	74.82950	10/27/2021	12:58:48	D	5.00
53	FARIDKOT	FARIDKOT	S-NPP	30.70290	74.60520	10/27/2021	12:58:48	D	4.10
54	FARIDKOT	FARIDKOT	S-NPP	30.70370	74.60420	10/27/2021	12:58:48	D	6.40
55	FARIDKOT	FARIDKOT	S-NPP	30.71600	74.63690	10/27/2021	12:58:48	D	3.00
56	FARIDKOT	FARIDKOT	S-NPP	30.73940	74.58750	10/27/2021	12:58:48	D	3.20
57	FARIDKOT	FARIDKOT	S-NPP	30.75440	74.69770	10/27/2021	12:58:48	D	72.50
58	FARIDKOT	FARIDKOT	S-NPP	30.75830	74.60620	10/27/2021	12:58:48	D	4.60
59	FARIDKOT	FARIDKOT	S-NPP	30.77400	74.69790	10/27/2021	12:58:48	D	5.10
60	FARIDKOT	FARIDKOT	S-NPP	30.78440	74.76630	10/27/2021	12:58:48	D	2.80
61	FARIDKOT	FARIDKOT	S-NPP	30.78940	74.78860	10/27/2021	12:58:48	D	3.40
62	FARIDKOT	FARIDKOT	S-NPP	30.79400	74.65600	10/27/2021	12:58:48	D	6.40

63	FARIDKOT	FARIDKOT	AQUA	30.61600	74.68700	10/27/2021	14:08:54	D	19.30
64	FARIDKOT	FARIDKOT	AQUA	30.67100	74.81300	10/27/2021	14:08:54	D	10.40
65	FARIDKOT	FARIDKOT	AQUA	30.68500	74.57200	10/27/2021	14:08:54	D	36.30
66	FARIDKOT	FARIDKOT	AQUA	30.74500	74.52000	10/27/2021	14:08:54	D	12.10
67	FARIDKOT	FARIDKOT	AQUA	30.74600	74.65800	10/27/2021	14:08:54	D	22.40
68	FARIDKOT	FARIDKOT	AQUA	30.75700	74.77700	10/27/2021	14:08:54	D	19.00
69	FARIDKOT	FARIDKOT	AQUA	30.81600	74.74900	10/27/2021	14:08:54	D	24.10
70	FARIDKOT	FARIDKOT	AQUA	30.81700	74.62900	10/27/2021	14:08:54	D	13.10
71	FARIDKOT	FARIDKOT	AQUA	30.82300	74.68800	10/27/2021	14:08:54	D	12.90
72	FARIDKOT	KOT KAPURA	S-NPP	30.51490	74.79220	10/27/2021	12:58:48	D	7.30
73	FARIDKOT	KOT KAPURA	S-NPP	30.51960	74.79080	10/27/2021	12:58:48	D	7.30
74	FARIDKOT	KOT KAPURA	S-NPP	30.52060	74.70640	10/27/2021	12:58:48	D	6.00
75	FARIDKOT	KOT KAPURA	S-NPP	30.52250	74.70910	10/27/2021	12:58:48	D	5.60
76	FARIDKOT	KOT KAPURA	S-NPP	30.55690	74.82750	10/27/2021	12:58:48	D	6.50
77	FARIDKOT	KOT KAPURA	S-NPP	30.59170	74.75490	10/27/2021	12:58:48	D	3.70
78	FARIDKOT	KOT KAPURA	AQUA	30.57400	74.75200	10/27/2021	14:08:54	D	12.00
79	FAZILKA	ABOHAR	AQUA	30.19600	74.23300	10/27/2021	14:08:54	D	21.10
80	FAZILKA	ARNIWALA SHEIKH SUBANPUR	S-NPP	30.42160	74.23580	10/27/2021	12:58:48	D	5.30
81	FAZILKA	FAZILKA	S-NPP	30.34890	74.09410	10/27/2021	12:58:48	D	4.90
82	FIROZPUR	FIROZPUR	S-NPP	31.11970	74.81220	10/27/2021	12:58:48	D	3.60
83	FIROZPUR	FIROZPUR	AQUA	30.97100	74.53000	10/27/2021	14:08:54	D	18.40
84	FIROZPUR	FIROZPUR	AQUA	30.97300	74.55000	10/27/2021	14:08:54	D	15.60
85	FIROZPUR	FIROZPUR	AQUA	31.01500	74.60400	10/27/2021	14:08:54	D	11.20
86	FIROZPUR	GHALL KHURD	S-NPP	30.78640	74.81890	10/27/2021	12:58:48	D	6.00
87	FIROZPUR	GHALL KHURD	S-NPP	30.86500	74.82520	10/27/2021	01:48:06	N	1.10
88	FIROZPUR	GHALL KHURD	AQUA	30.80800	74.79100	10/27/2021	14:08:54	D	19.50
89	FIROZPUR	GHALL KHURD	AQUA	30.88800	74.67300	10/27/2021	14:08:54	D	19.90
90	FIROZPUR	GHALL KHURD	AQUA	30.89200	74.66700	10/27/2021	14:08:54	D	12.70
91	FIROZPUR	GHALL KHURD	AQUA	30.89800	74.77300	10/27/2021	14:08:54	D	19.00
92	FIROZPUR	GHALL KHURD	AQUA	30.90000	74.79300	10/27/2021	14:08:54	D	23.60
93	FIROZPUR	GHALL KHURD	AQUA	30.90300	74.78700	10/27/2021	14:08:54	D	26.60
94	FIROZPUR	GURUHAR SAHAI	AQUA	30.74000	74.46300	10/27/2021	14:08:54	D	10.70
95	FIROZPUR	MAKHU	S-NPP	31.06200	75.02680	10/27/2021	12:58:48	D	5.20

96	FIROZPUR	MAMDOT	S-NPP	30.88440	74.45630	10/27/2021	12:58:48	D	2.60
97	FIROZPUR	MAMDOT	AQUA	30.90600	74.42900	10/27/2021	14:08:54	D	10.00
98	FIROZPUR	ZIRA	S-NPP	30.88910	74.91130	10/27/2021	12:58:48	D	5.30
99	FIROZPUR	ZIRA	S-NPP	30.90220	74.99390	10/27/2021	12:58:48	D	3.80
100	FIROZPUR	ZIRA	S-NPP	30.90680	74.88610	10/27/2021	12:58:48	D	2.00
101	FIROZPUR	ZIRA	AQUA	30.91000	74.86800	10/27/2021	14:08:54	D	13.30
102	HOSHIARPUR	DASUYA	S-NPP	31.75020	75.55670	10/27/2021	12:58:48	D	4.00
103	HOSHIARPUR	DASUYA	S-NPP	31.75130	75.56150	10/27/2021	12:58:48	D	4.00
104	HOSHIARPUR	TANDA	S-NPP	31.64820	75.59460	10/27/2021	12:58:48	D	7.10
105	HOSHIARPUR	TANDA	S-NPP	31.65140	75.58850	10/27/2021	12:58:48	D	9.80
106	HOSHIARPUR	TANDA	S-NPP	31.65250	75.59340	10/27/2021	12:58:48	D	7.10
107	JALANDHAR	ADAMPUR	S-NPP	31.36830	75.74030	10/27/2021	12:58:48	D	8.60
108	JALANDHAR	JALANDHAR WEST	S-NPP	31.43890	75.53620	10/27/2021	12:58:48	D	5.10
109	JALANDHAR	JALANDHAR WEST	S-NPP	31.49390	75.45040	10/27/2021	12:58:48	D	3.40
110	JALANDHAR	LOHIAN	S-NPP	31.11910	75.22220	10/27/2021	12:58:48	D	7.80
111	JALANDHAR	SHAHKOT	S-NPP	31.09610	75.26740	10/27/2021	12:58:48	D	10.80
112	JALANDHAR	SHAHKOT	S-NPP	31.11970	75.37470	10/27/2021	12:58:48	D	4.20
113	JALANDHAR	SHAHKOT	AQUA	31.05700	75.23500	10/27/2021	14:08:54	D	34.40
114	JALANDHAR	SHAHKOT	AQUA	31.05800	75.22700	10/27/2021	14:08:54	D	22.70
115	JALANDHAR	SHAHKOT	AQUA	31.06000	75.24900	10/27/2021	14:08:54	D	26.60
116	JALANDHAR	SHAHKOT	AQUA	31.07100	75.22600	10/27/2021	14:08:54	D	22.30
117	KAPURTHALA	DHILWAN	S-NPP	31.41390	75.24530	10/27/2021	12:58:48	D	5.10
118	KAPURTHALA	DHILWAN	S-NPP	31.54740	75.36260	10/27/2021	12:58:48	D	4.10
119	KAPURTHALA	DHILWAN	S-NPP	31.54960	75.37260	10/27/2021	12:58:48	D	3.30
120	KAPURTHALA	KAPURTHALA	S-NPP	31.34160	75.32050	10/27/2021	12:58:48	D	3.80
121	KAPURTHALA	KAPURTHALA	S-NPP	31.43200	75.41710	10/27/2021	12:58:48	D	1.30
122	KAPURTHALA	NADALA	S-NPP	31.55180	75.44590	10/27/2021	12:58:48	D	7.50
123	KAPURTHALA	NADALA	S-NPP	31.55230	75.44390	10/27/2021	12:58:48	D	3.90
124	KAPURTHALA	NADALA	S-NPP	31.55340	75.44890	10/27/2021	12:58:48	D	3.90
125	KAPURTHALA	NADALA	S-NPP	31.56050	75.40120	10/27/2021	12:58:48	D	5.10
126	KAPURTHALA	NADALA	S-NPP	31.56480	75.39990	10/27/2021	12:58:48	D	5.10
127	KAPURTHALA	NADALA	S-NPP	31.57460	75.40240	10/27/2021	12:58:48	D	7.60
128	KAPURTHALA	NADALA	S-NPP	31.58720	75.58660	10/27/2021	12:58:48	D	3.60

129	KAPURTHALA	SULTANPUR LODHI	S-NPP	31.20150	75.09570	10/27/2021	12:58:48	D	6.00
130	KAPURTHALA	SULTANPUR LODHI	S-NPP	31.28410	75.23720	10/27/2021	12:58:48	D	5.30
131	LUDHIANA	JAGRAON	S-NPP	30.65700	75.44590	10/27/2021	12:58:48	D	3.10
132	LUDHIANA	JAGRAON	S-NPP	30.66470	75.43830	10/27/2021	12:58:48	D	2.20
133	LUDHIANA	JAGRAON	S-NPP	30.78010	75.51000	10/27/2021	12:58:48	D	3.90
134	LUDHIANA	JAGRAON	AQUA	30.62400	75.44400	10/27/2021	14:08:54	D	19.30
135	LUDHIANA	JAGRAON	AQUA	30.62500	75.44900	10/27/2021	14:08:54	D	14.20
136	LUDHIANA	JAGRAON	AQUA	30.79200	75.57600	10/27/2021	14:08:54	D	12.60
137	LUDHIANA	LUDHIANA-1	S-NPP	30.85590	75.78010	10/27/2021	12:58:48	D	2.30
138	LUDHIANA	LUDHIANA-1	S-NPP	30.87680	75.70680	10/27/2021	12:58:48	D	3.50
139	LUDHIANA	PAKHOWAL	S-NPP	30.69790	75.65930	10/27/2021	12:58:48	D	5.70
140	LUDHIANA	RAIKOT	S-NPP	30.58980	75.60290	10/27/2021	12:58:48	D	18.10
141	LUDHIANA	RAIKOT	S-NPP	30.59440	75.55870	10/27/2021	12:58:48	D	5.20
142	LUDHIANA	RAIKOT	S-NPP	30.62280	75.63300	10/27/2021	12:58:48	D	2.10
143	LUDHIANA	RAIKOT	S-NPP	30.69560	75.55030	10/27/2021	12:58:48	D	4.70
144	LUDHIANA	RAIKOT	S-NPP	30.69850	75.55280	10/27/2021	12:58:48	D	6.50
145	LUDHIANA	RAIKOT	S-NPP	30.70440	75.54780	10/27/2021	12:58:48	D	9.60
146	LUDHIANA	SIDHWAN BET	S-NPP	30.84350	75.59560	10/27/2021	12:58:48	D	9.70
147	LUDHIANA	SIDHWAN BET	AQUA	30.86300	75.51700	10/27/2021	14:08:54	D	11.00
148	MANSA	JHUNIR	S-NPP	29.84390	75.37350	10/27/2021	12:58:48	D	4.60
149	MANSA	MANSA	S-NPP	29.97200	75.39100	10/27/2021	12:58:48	D	10.30
150	MANSA	SARDULGARH	S-NPP	29.68340	75.25020	10/27/2021	12:58:48	D	6.50
151	MANSA	SARDULGARH	S-NPP	29.68460	75.25560	10/27/2021	12:58:48	D	6.50
152	MOGA	BAGHA PURANA	S-NPP	30.61450	75.07580	10/27/2021	12:58:48	D	2.00
153	MOGA	KOT ISE KHAN AT DHARAMKOT	S-NPP	30.86560	75.24250	10/27/2021	12:58:48	D	6.00
154	MOGA	KOT ISE KHAN AT DHARAMKOT	S-NPP	30.86590	75.24110	10/27/2021	12:58:48	D	9.00
155	MOGA	KOT ISE KHAN AT DHARAMKOT	S-NPP	30.88110	75.35910	10/27/2021	12:58:48	D	6.90
156	MOGA	KOT ISE KHAN AT DHARAMKOT	S-NPP	30.88210	75.35730	10/27/2021	12:58:48	D	6.10
157	MOGA	KOT ISE KHAN AT DHARAMKOT	S-NPP	30.96490	75.30600	10/27/2021	12:58:48	D	3.90

158	MOGA	KOT ISE KHAN AT DHARAMKOT	S-NPP	31.00890	75.21880	10/27/2021	12:58:48	D	6.50
159	MOGA	MOGA-1	S-NPP	30.80910	75.30860	10/27/2021	12:58:48	D	6.30
160	MOGA	MOGA-1	S-NPP	30.81020	75.31380	10/27/2021	12:58:48	D	6.30
161	MOGA	MOGA-2	S-NPP	30.85500	75.01920	10/27/2021	12:58:48	D	5.60
162	MOGA	MOGA-2	AQUA	30.76400	75.13000	10/27/2021	14:08:54	D	13.40
163	MOGA	NIHAL SINGH	S-NPP	30.57210	75.27200	10/27/2021	12:58:48	D	17.70
164	MOGA	NIHAL SINGH	S-NPP	30.60370	75.35170	10/27/2021	12:58:48	D	11.40
165	MUKTSAR	KOT BHAI AT GIDDERBAHA	S-NPP	30.34960	74.69840	10/27/2021	12:58:48	D	5.60
166	MUKTSAR	KOT BHAI AT GIDDERBAHA	S-NPP	30.36820	74.69300	10/27/2021	12:58:48	D	2.70
167	MUKTSAR	KOT BHAI AT GIDDERBAHA	S-NPP	30.37620	74.68450	10/27/2021	12:58:48	D	4.00
168	MUKTSAR	KOT BHAI AT GIDDERBAHA	S-NPP	30.39110	74.81890	10/27/2021	12:58:48	D	1.90
169	MUKTSAR	KOT BHAI AT GIDDERBAHA	S-NPP	30.44080	74.72380	10/27/2021	12:58:48	D	9.80
170	MUKTSAR	LAMBI	S-NPP	29.97990	74.52120	10/27/2021	12:58:48	D	4.80
171	MUKTSAR	MALOUT	S-NPP	30.16120	74.34850	10/27/2021	12:58:48	D	55.40
172	MUKTSAR	MALOUT	S-NPP	30.17270	74.42190	10/27/2021	12:58:48	D	10.20
173	MUKTSAR	MALOUT	S-NPP	30.18420	74.45020	10/27/2021	12:58:48	D	11.20
174	MUKTSAR	MALOUT	S-NPP	30.18550	74.45620	10/27/2021	12:58:48	D	11.20
175	MUKTSAR	MALOUT	S-NPP	30.20780	74.44330	10/27/2021	12:58:48	D	5.80
176	MUKTSAR	MALOUT	AQUA	30.15500	74.42300	10/27/2021	14:08:54	D	13.90
177	MUKTSAR	MALOUT	AQUA	30.15700	74.44100	10/27/2021	14:08:54	D	24.10
178	MUKTSAR	MALOUT	AQUA	30.16300	74.44600	10/27/2021	14:08:54	D	30.90
179	MUKTSAR	MUKTSAR	S-NPP	30.41520	74.41030	10/27/2021	12:58:48	D	8.80
180	MUKTSAR	MUKTSAR	S-NPP	30.46800	74.44490	10/27/2021	12:58:48	D	4.40
181	MUKTSAR	MUKTSAR	S-NPP	30.47290	74.44720	10/27/2021	12:58:48	D	6.80
182	MUKTSAR	MUKTSAR	S-NPP	30.47720	74.55430	10/27/2021	12:58:48	D	3.50
183	MUKTSAR	MUKTSAR	S-NPP	30.53590	74.68100	10/27/2021	12:58:48	D	7.50
184	MUKTSAR	MUKTSAR	S-NPP	30.62470	74.54280	10/27/2021	12:58:48	D	8.30
185	PATIALA	BHUNARHERI	S-NPP	30.12550	76.47250	10/27/2021	12:58:48	D	5.70
186	PATIALA	BHUNARHERI	S-NPP	30.12760	76.47520	10/27/2021	12:58:48	D	5.60



187	PATIALA	BHUNARHERI	S-NPP	30.14790	76.45190	10/27/2021	12:58:48	D	2.30
188	PATIALA	BHUNARHERI	S-NPP	30.16210	76.47700	10/27/2021	12:58:48	D	5.40
189	PATIALA	BHUNARHERI	S-NPP	30.17050	76.58020	10/27/2021	12:58:48	D	4.00
190	PATIALA	BHUNARHERI	S-NPP	30.21960	76.43230	10/27/2021	12:58:48	D	2.30
191	PATIALA	BHUNARHERI	S-NPP	30.22390	76.43110	10/27/2021	12:58:48	D	4.60
192	PATIALA	BHUNARHERI	S-NPP	30.23050	76.50650	10/27/2021	12:58:48	D	5.20
193	PATIALA	BHUNARHERI	S-NPP	30.23470	76.50530	10/27/2021	12:58:48	D	5.20
194	PATIALA	GHANAUR	S-NPP	30.33200	76.57640	10/27/2021	12:58:48	D	3.30
195	PATIALA	PATIALA	S-NPP	30.39800	76.45000	10/27/2021	12:58:48	D	2.20
196	PATIALA	PATIALA	S-NPP	30.42460	76.42820	10/27/2021	12:58:48	D	7.00
197	PATIALA	PATIALA	S-NPP	30.42880	76.42710	10/27/2021	12:58:48	D	7.00
198	PATIALA	PATRAN	S-NPP	29.84820	76.18200	10/27/2021	12:58:48	D	13.70
199	PATIALA	PATRAN	S-NPP	29.84900	76.18370	10/27/2021	12:58:48	D	20.30
200	PATIALA	PATRAN	S-NPP	29.86600	76.19930	10/27/2021	12:58:48	D	4.30
201	PATIALA	PATRAN	S-NPP	29.87510	76.04870	10/27/2021	12:58:48	D	2.70
202	PATIALA	PATRAN	S-NPP	29.89590	76.12500	10/27/2021	12:58:48	D	5.40
203	PATIALA	PATRAN	S-NPP	29.89990	76.14430	10/27/2021	12:58:48	D	4.50
204	PATIALA	PATRAN	S-NPP	29.90020	76.12380	10/27/2021	12:58:48	D	5.40
205	PATIALA	PATRAN	S-NPP	29.90580	76.10700	10/27/2021	12:58:48	D	2.00
206	PATIALA	PATRAN	S-NPP	29.92760	76.16720	10/27/2021	12:58:48	D	8.40
207	PATIALA	PATRAN	S-NPP	29.92810	76.12630	10/27/2021	12:58:48	D	4.10
208	PATIALA	SANAUR	S-NPP	30.12690	76.39440	10/27/2021	12:58:48	D	2.20
209	PATIALA	SANAUR	S-NPP	30.13140	76.30970	10/27/2021	12:58:48	D	1.40
210	PATIALA	SANAUR	S-NPP	30.14800	76.38860	10/27/2021	12:58:48	D	2.40
211	PATIALA	SANAUR	S-NPP	30.15720	76.34690	10/27/2021	12:58:48	D	7.20
212	PATIALA	SANAUR	S-NPP	30.17570	76.37120	10/27/2021	12:58:48	D	2.70
213	PATIALA	SANAUR	S-NPP	30.17620	76.28750	10/27/2021	12:58:48	D	9.00
214	PATIALA	SANAUR	S-NPP	30.17720	76.29220	10/27/2021	12:58:48	D	18.10
215	PATIALA	SANAUR	S-NPP	30.20270	76.39320	10/27/2021	12:58:48	D	5.20
216	PATIALA	SANAUR	S-NPP	30.21040	76.32240	10/27/2021	12:58:48	D	5.80
217	PATIALA	SANAUR	S-NPP	30.21150	76.31990	10/27/2021	12:58:48	D	3.20
218	PATIALA	SANAUR	S-NPP	30.24220	76.38000	10/27/2021	12:58:48	D	3.10
219	PATIALA	SANAUR	S-NPP	30.28730	76.38220	10/27/2021	12:58:48	D	2.90

220	PATIALA	SANAUR	S-NPP	30.32310	76.46910	10/27/2021	12:58:48	D	6.30
221	PATIALA	SANAUR	AQUA	30.13900	76.37700	10/27/2021	14:08:54	D	23.80
222	PATIALA	SANAUR	AQUA	30.18400	76.34100	10/27/2021	14:08:54	D	34.90
223	SANGRUR	ANDANA	S-NPP	29.74710	75.92020	10/27/2021	12:58:48	D	11.20
224	SANGRUR	ANDANA	S-NPP	29.75680	75.94380	10/27/2021	12:58:48	D	2.80
225	SANGRUR	ANDANA	S-NPP	29.79630	75.91170	10/27/2021	12:58:48	D	4.50
226	SANGRUR	ANDANA	S-NPP	29.79860	76.01060	10/27/2021	12:58:48	D	4.10
227	SANGRUR	ANDANA	S-NPP	29.79880	75.90810	10/27/2021	12:58:48	D	4.40
228	SANGRUR	ANDANA	S-NPP	29.84710	76.02530	10/27/2021	12:58:48	D	3.90
229	SANGRUR	MALERKOTLA-2	S-NPP	30.53240	75.78800	10/27/2021	12:58:48	D	7.80
230	SANGRUR	MALERKOTLA-2	S-NPP	30.60890	75.84430	10/27/2021	12:58:48	D	6.10
231	SANGRUR	SUNAM	S-NPP	30.13500	75.70530	10/27/2021	12:58:48	D	2.60
232	TARN TARAN	BHIKHIWIND	S-NPP	31.24390	74.63790	10/27/2021	12:58:48	D	9.80
233	TARN TARAN	BHIKHIWIND	S-NPP	31.29450	74.73940	10/27/2021	12:58:48	D	6.90
234	TARN TARAN	BHIKHIWIND	S-NPP	31.29540	74.74010	10/27/2021	12:58:48	D	13.60
235	TARN TARAN	BHIKHIWIND	S-NPP	31.29570	74.74490	10/27/2021	12:58:48	D	6.90
236	TARN TARAN	BHIKHIWIND	S-NPP	31.31660	74.77350	10/27/2021	12:58:48	D	5.10
237	TARN TARAN	BHIKHIWIND	S-NPP	31.32530	74.74770	10/27/2021	12:58:48	D	3.50
238	TARN TARAN	BHIKHIWIND	S-NPP	31.33440	74.74500	10/27/2021	12:58:48	D	3.90
239	TARN TARAN	BHIKHIWIND	S-NPP	31.41200	74.66640	10/27/2021	12:58:48	D	5.30
240	TARN TARAN	BHIKHIWIND	AQUA	31.29200	74.67200	10/27/2021	14:08:54	D	11.30
241	TARN TARAN	BHIKHIWIND	AQUA	31.35500	74.56300	10/27/2021	14:08:54	D	11.30
242	TARN TARAN	BHIKHIWIND	AQUA	31.36100	74.55500	10/27/2021	14:08:54	D	11.40
243	TARN TARAN	CHOHLA SAHIB	S-NPP	31.32730	75.06170	10/27/2021	12:58:48	D	6.30
244	TARN TARAN	GANDIWIND TATLA	S-NPP	31.48570	74.73760	10/27/2021	12:58:48	D	18.70
245	TARN TARAN	GANDIWIND TATLA	S-NPP	31.52260	74.81870	10/27/2021	12:58:48	D	4.30
246	TARN TARAN	GANDIWIND TATLA	S-NPP	31.52790	74.73390	10/27/2021	12:58:48	D	11.80
247	TARN TARAN	GANDIWIND TATLA	AQUA	31.49000	74.71700	10/27/2021	14:08:54	D	14.40
248	TARN TARAN	KHADUR SAHIB	S-NPP	31.47440	75.23170	10/27/2021	12:58:48	D	5.60
249	TARN TARAN	KHADUR SAHIB	S-NPP	31.48100	75.21900	10/27/2021	12:58:48	D	4.60
250	TARN TARAN	KHADUR SAHIB	S-NPP	31.49090	75.19970	10/27/2021	12:58:48	D	13.00
251	TARN TARAN	KHADUR SAHIB	AQUA	31.42700	75.15800	10/27/2021	14:08:54	D	13.30
252	TARN TARAN	NAUSHERA PANNUAN	S-NPP	31.33990	74.92270	10/27/2021	12:58:48	D	6.60

253	TARN TARAN	NAUSHERA PANNUAN	S-NPP	31.34020	74.92150	10/27/2021	12:58:48	D	4.10
254	TARN TARAN	NAUSHERA PANNUAN	S-NPP	31.38350	74.88030	10/27/2021	12:58:48	D	7.20
255	TARN TARAN	PATTI	S-NPP	31.20550	74.81330	10/27/2021	12:58:48	D	20.90
256	TARN TARAN	PATTI	S-NPP	31.20600	74.81000	10/27/2021	12:58:48	D	17.80
257	TARN TARAN	PATTI	S-NPP	31.20720	74.81550	10/27/2021	12:58:48	D	17.80
258	TARN TARAN	PATTI	S-NPP	31.21010	74.81200	10/27/2021	12:58:48	D	11.20
259	TARN TARAN	PATTI	S-NPP	31.22930	74.81210	10/27/2021	12:58:48	D	5.70
260	TARN TARAN	PATTI	S-NPP	31.23060	74.81750	10/27/2021	12:58:48	D	8.90
261	TARN TARAN	PATTI	S-NPP	31.24710	74.87020	10/27/2021	12:58:48	D	3.30
262	TARN TARAN	PATTI	S-NPP	31.25820	74.85540	10/27/2021	12:58:48	D	12.10
263	TARN TARAN	PATTI	S-NPP	31.26750	74.87570	10/27/2021	12:58:48	D	5.60
264	TARN TARAN	PATTI	S-NPP	31.27640	74.76330	10/27/2021	12:58:48	D	3.00
265	TARN TARAN	PATTI	S-NPP	31.28120	74.89450	10/27/2021	12:58:48	D	5.20
266	TARN TARAN	PATTI	S-NPP	31.30380	74.77840	10/27/2021	12:58:48	D	1.90
267	TARN TARAN	PATTI	S-NPP	31.31730	74.81960	10/27/2021	12:58:48	D	4.10
268	TARN TARAN	PATTI	S-NPP	31.31770	74.82050	10/27/2021	12:58:48	D	7.40
269	TARN TARAN	PATTI	AQUA	31.24600	74.74500	10/27/2021	14:08:54	D	16.00
270	TARN TARAN	PATTI	AQUA	31.29600	74.85800	10/27/2021	14:08:54	D	19.20
271	TARN TARAN	TARN TARAN	S-NPP	31.37560	74.77920	10/27/2021	12:58:48	D	4.30
272	TARN TARAN	TARN TARAN	S-NPP	31.39300	74.81440	10/27/2021	12:58:48	D	4.40
273	TARN TARAN	TARN TARAN	S-NPP	31.42120	74.81170	10/27/2021	12:58:48	D	3.20
274	TARN TARAN	TARN TARAN	S-NPP	31.42720	74.84130	10/27/2021	12:58:48	D	3.60
275	TARN TARAN	TARN TARAN	S-NPP	31.42820	74.84410	10/27/2021	12:58:48	D	3.50
276	TARN TARAN	TARN TARAN	S-NPP	31.44750	74.84680	10/27/2021	12:58:48	D	4.30
277	TARN TARAN	TARN TARAN	S-NPP	31.44810	74.80650	10/27/2021	12:58:48	D	4.20
278	TARN TARAN	VALTOHA	S-NPP	31.20980	74.72470	10/27/2021	12:58:48	D	9.20
279	TARN TARAN	VALTOHA	AQUA	31.15100	74.58100	10/27/2021	14:08:54	D	12.80

### Details of residue burning events in Haryana on 27-Oct-2021

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_DATE	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	AMBALA	AMBALA-II	S-NPP	30.25560	76.73590	10/27/2021	12:58:48	D	5.00
2	AMBALA	AMBALA-II	S-NPP	30.26960	76.67600	10/27/2021	12:58:48	D	2.50
3	AMBALA	BARARA	S-NPP	30.20210	76.96950	10/27/2021	12:58:48	D	1.80
4	AMBALA	BARARA	S-NPP	30.24770	77.13190	10/27/2021	12:58:48	D	2.20
5	AMBALA	SAHA	S-NPP	30.31010	76.98210	10/27/2021	12:58:48	D	3.30
6	FATEHABAD	BHUNA	S-NPP	29.51230	75.73790	10/27/2021	12:58:48	D	3.80
7	FATEHABAD	JAKHAL	S-NPP	29.70820	75.76010	10/27/2021	12:58:48	D	8.40
8	FATEHABAD	JAKHAL	S-NPP	29.75560	75.78460	10/27/2021	12:58:48	D	7.80
9	FATEHABAD	JAKHAL	S-NPP	29.78480	75.73590	10/27/2021	12:58:48	D	7.90
10	FATEHABAD	JAKHAL	S-NPP	29.78920	75.75630	10/27/2021	12:58:48	D	2.40
11	FATEHABAD	TOHANA	S-NPP	29.73330	75.83370	10/27/2021	12:58:48	D	5.80
12	FATEHABAD	TOHANA	S-NPP	29.73770	75.83250	10/27/2021	12:58:48	D	5.80
13	FATEHABAD	TOHANA	AQUA	29.67600	75.69100	10/27/2021	14:08:54	D	17.10
14	FATEHABAD	TOHANA	AQUA	29.73400	75.88900	10/27/2021	14:08:54	D	28.00
15	JIND	JIND	S-NPP	29.31820	76.44320	10/27/2021	12:58:48	D	1.70
16	JIND	NARWANA	S-NPP	29.73420	76.05440	10/27/2021	12:58:48	D	24.80
17	JIND	NARWANA	S-NPP	29.73850	76.05320	10/27/2021	12:58:48	D	24.80
18	JIND	PILLUKHERA	S-NPP	29.42220	76.52560	10/27/2021	12:58:48	D	5.50
19	JIND	SAFIDON	S-NPP	29.39000	76.57220	10/27/2021	12:58:48	D	4.00
20	JIND	SAFIDON	S-NPP	29.39070	76.56840	10/27/2021	12:58:48	D	2.40
21	JIND	UCHANA	S-NPP	29.55130	76.26860	10/27/2021	12:58:48	D	3.30
22	KAITHAL	GUHLA	S-NPP	30.01460	76.25560	10/27/2021	12:58:48	D	9.10
23	KAITHAL	GUHLA	S-NPP	30.02810	76.27680	10/27/2021	12:58:48	D	4.00
24	KAITHAL	GUHLA	S-NPP	30.05920	76.38200	10/27/2021	12:58:48	D	11.60
25	KAITHAL	GUHLA	S-NPP	30.08380	76.30620	10/27/2021	12:58:48	D	8.90
26	KAITHAL	GUHLA	S-NPP	30.08600	76.35990	10/27/2021	12:58:48	D	2.30
27	KAITHAL	GUHLA	S-NPP	30.09060	76.26640	10/27/2021	12:58:48	D	2.30
28	KAITHAL	GUHLA	S-NPP	30.09310	76.26390	10/27/2021	12:58:48	D	3.40
29	KAITHAL	GUHLA	S-NPP	30.09480	76.33770	10/27/2021	12:58:48	D	3.30
30	KAITHAL	GUHLA	S-NPP	30.09690	76.39120	10/27/2021	12:58:48	D	2.30
31	KAITHAL	GUHLA	S-NPP	30.11090	76.40370	10/27/2021	12:58:48	D	4.00

32	KAITHAL	GUHLA	S-NPP	30.11250	76.40160	10/27/2021	12:58:48	D	2.90
33	KAITHAL	GUHLA	AQUA	30.00000	76.29800	10/27/2021	14:08:54	D	81.70
34	KAITHAL	GUHLA	AQUA	30.03300	76.37000	10/27/2021	14:08:54	D	21.70
35	KAITHAL	GUHLA	AQUA	30.09800	76.38100	10/27/2021	14:08:54	D	36.70
36	KAITHAL	KAITHAL	S-NPP	29.69520	76.42770	10/27/2021	12:58:48	D	2.50
37	KAITHAL	KAITHAL	S-NPP	29.78350	76.46280	10/27/2021	12:58:48	D	5.60
38	KAITHAL	KAITHAL	S-NPP	29.87130	76.48890	10/27/2021	12:58:48	D	6.20
39	KAITHAL	KAITHAL	S-NPP	29.92320	76.44710	10/27/2021	12:58:48	D	2.00
40	KAITHAL	PUNDRI	S-NPP	29.80200	76.61780	10/27/2021	12:58:48	D	4.20
41	KAITHAL	PUNDRI	S-NPP	29.85280	76.57140	10/27/2021	12:58:48	D	2.00
42	KAITHAL	RAJOUND	S-NPP	29.55820	76.45570	10/27/2021	12:58:48	D	4.40
43	KAITHAL	RAJOUND	S-NPP	29.56810	76.43820	10/27/2021	12:58:48	D	9.00
44	KAITHAL	RAJOUND	S-NPP	29.56850	76.43430	10/27/2021	12:58:48	D	7.30
45	KAITHAL	RAJOUND	S-NPP	29.62790	76.43800	10/27/2021	12:58:48	D	4.90
46	KAITHAL	SIWAN	S-NPP	29.84260	76.26430	10/27/2021	12:58:48	D	2.50
47	KAITHAL	SIWAN	AQUA	29.85300	76.37700	10/27/2021	14:08:54	D	53.30
48	KARNAL	ASSANDH	S-NPP	29.51120	76.69600	10/27/2021	12:58:48	D	2.40
49	KARNAL	ASSANDH	S-NPP	29.55050	76.52680	10/27/2021	12:58:48	D	4.20
50	KARNAL	ASSANDH	S-NPP	29.55430	76.69530	10/27/2021	12:58:48	D	8.20
51	KARNAL	ASSANDH	S-NPP	29.56840	76.76300	10/27/2021	12:58:48	D	5.30
52	KARNAL	ASSANDH	S-NPP	29.56990	76.55580	10/27/2021	12:58:48	D	8.30
53	KARNAL	ASSANDH	S-NPP	29.57720	76.82680	10/27/2021	12:58:48	D	5.30
54	KARNAL	ASSANDH	S-NPP	29.57950	76.68860	10/27/2021	12:58:48	D	5.30
55	KARNAL	ASSANDH	S-NPP	29.58240	76.70220	10/27/2021	12:58:48	D	2.70
56	KARNAL	ASSANDH	S-NPP	29.61170	76.57470	10/27/2021	12:58:48	D	9.30
57	KARNAL	ASSANDH	S-NPP	29.61240	76.63160	10/27/2021	12:58:48	D	2.00
58	KARNAL	ASSANDH	S-NPP	29.64230	76.67730	10/27/2021	12:58:48	D	7.30
59	KARNAL	ASSANDH	S-NPP	29.65950	76.65350	10/27/2021	12:58:48	D	4.50
60	KARNAL	ASSANDH	S-NPP	29.66370	76.65240	10/27/2021	12:58:48	D	4.50
61	KARNAL	GHARAUNDA	S-NPP	29.52720	77.01120	10/27/2021	12:58:48	D	2.20
62	KARNAL	INDRI	S-NPP	29.94640	77.02260	10/27/2021	12:58:48	D	1.80
63	KARNAL	INDRI	S-NPP	29.95420	77.18630	10/27/2021	12:58:48	D	1.20
64	KARNAL	KARNAL	S-NPP	29.66320	77.05380	10/27/2021	12:58:48	D	8.80
65	KARNAL	NILOKHERI	S-NPP	29.77410	76.86610	10/27/2021	12:58:48	D	3.30
66	KARNAL	NILOKHERI	S-NPP	29.77420	76.86830	10/27/2021	12:58:48	D	3.50

67	KARNAL	NILOKHERI	S-NPP	29.81890	76.84950	10/27/2021	12:58:48	D	4.20
68	KARNAL	NILOKHERI	S-NPP	29.82300	76.84840	10/27/2021	12:58:48	D	4.20
69	KURUKSHETRA	ISMALABAD	S-NPP	30.05090	76.63390	10/27/2021	12:58:48	D	2.60
70	KURUKSHETRA	ISMALABAD	S-NPP	30.10070	76.68770	10/27/2021	12:58:48	D	4.40
71	KURUKSHETRA	PEHOWA	S-NPP	29.95370	76.65550	10/27/2021	12:58:48	D	4.60
72	KURUKSHETRA	PEHOWA	S-NPP	29.95420	76.65400	10/27/2021	12:58:48	D	3.20
73	KURUKSHETRA	PEHOWA	S-NPP	29.98450	76.67560	10/27/2021	12:58:48	D	6.80
74	KURUKSHETRA	PEHOWA	S-NPP	29.98540	76.68010	10/27/2021	12:58:48	D	12.10
75	KURUKSHETRA	PEHOWA	S-NPP	29.99170	76.49660	10/27/2021	12:58:48	D	5.80
76	KURUKSHETRA	PEHOWA	S-NPP	30.02630	76.66430	10/27/2021	12:58:48	D	5.60
77	KURUKSHETRA	PEHOWA	S-NPP	30.05860	76.57100	10/27/2021	12:58:48	D	6.30
78	KURUKSHETRA	SHAHBAD	S-NPP	30.12220	76.81260	10/27/2021	12:58:48	D	1.70
79	KURUKSHETRA	SHAHBAD	S-NPP	30.22210	76.86960	10/27/2021	12:58:48	D	1.90
80	KURUKSHETRA	THANESAR	S-NPP	29.89040	76.79380	10/27/2021	12:58:48	D	5.00
81	KURUKSHETRA	THANESAR	S-NPP	29.89460	76.79270	10/27/2021	12:58:48	D	5.00
82	KURUKSHETRA	THANESAR	S-NPP	29.92950	76.83450	10/27/2021	12:58:48	D	1.90
83	KURUKSHETRA	THANESAR	S-NPP	30.02060	76.72240	10/27/2021	12:58:48	D	1.50
84	KURUKSHETRA	THANESAR	AQUA	30.00100	76.71700	10/27/2021	14:08:54	D	54.70
85	KURUKSHETRA	THANESAR	AQUA	30.00600	76.71100	10/27/2021	14:08:54	D	43.70
86	KURUKSHETRA	THANESAR	AQUA	30.00800	76.73700	10/27/2021	14:08:54	D	35.30
87	PALWAL	HASSANPUR	S-NPP	27.96410	77.51900	10/27/2021	12:58:48	D	5.40
88	PALWAL	PALWAL	S-NPP	28.13160	77.35480	10/27/2021	12:58:48	D	3.20
89	PANIPAT	MADLAUDA	S-NPP	29.35070	76.77140	10/27/2021	12:58:48	D	2.50
90	SONIPAT	SONIPAT	S-NPP	29.06030	76.84880	10/27/2021	01:48:06	N	0.40
91	YAMUNANAGAR	JAGADHRI	S-NPP	30.09640	77.19800	10/27/2021	12:58:48	D	1.00
92	YAMUNANAGAR	RADAUR	S-NPP	30.11830	77.09470	10/27/2021	12:58:48	D	9.00
93	YAMUNANAGAR	SADHAURA	S-NPP	30.42800	77.23530	10/27/2021	12:58:48	D	6.70

### Details of residue burning events in Uttar Pradesh on 27-Oct-2021

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_DATE	ACQ_TIME	Day / Night	Fire Power (W/m <sup>2</sup> )
1	ALIGARH	KHAIR	S-NPP	27.96410	77.51900	10/27/2021	12:58:48	D	5.40
2	ALIGARH	KHAIR	S-NPP	28.10250	77.66390	10/27/2021	12:58:48	D	2.00
3	ALLAHABAD	PHULPUR	S-NPP	25.40770	82.06150	10/27/2021	12:58:48	D	2.00
4	AMETHI	MUSAFIRKHANA	S-NPP	26.44430	81.79350	10/27/2021	12:58:48	D	1.50
5	BAHRAICH	BAHRAICH	S-NPP	27.33300	81.74930	10/27/2021	12:58:48	D	4.80
6	BAHRAICH	NANPARA	S-NPP	27.77110	81.55780	10/27/2021	12:58:48	D	3.30
7	BAHRAICH	NANPARA	S-NPP	27.77520	81.64460	10/27/2021	12:58:48	D	2.90
8	BAHRAICH	NANPARA	S-NPP	27.94820	81.50880	10/27/2021	12:58:48	D	2.90
9	BALRAMPUR	TULSIPUR	S-NPP	27.45980	82.48340	10/27/2021	12:58:48	D	3.60
10	BAREILLY	FARIDPUR	S-NPP	28.09660	79.57980	10/27/2021	12:58:48	D	3.00
11	FATEHPUR	BINKI	S-NPP	25.99460	80.60540	10/27/2021	12:58:48	D	1.80
12	FATEHPUR	KHAGA	S-NPP	25.76760	81.08420	10/27/2021	12:58:48	D	4.40
13	HAPUR	GARHMUKTESAR	S-NPP	28.72080	78.08260	10/27/2021	12:58:48	D	6.00
14	HARDOI	SHAHABAD	S-NPP	27.63440	79.97040	10/27/2021	12:58:48	D	3.90
15	JAUNPUR	MARIAHU	S-NPP	25.41680	82.67230	10/27/2021	12:58:48	D	1.80
16	JHANSI	JHANSI	S-NPP	25.51480	78.49310	10/27/2021	12:58:48	D	2.30
17	KANPUR DEHAT	BHOGANIPUR	S-NPP	26.33100	79.78490	10/27/2021	12:58:48	D	3.70
18	KAUSHAMBI	CHAIL	S-NPP	25.38130	81.53220	10/27/2021	12:58:48	D	1.80
19	KAUSHAMBI	MANJHANPUR	S-NPP	25.44600	81.29920	10/27/2021	12:58:48	D	14.80
20	KAUSHAMBI	MANJHANPUR	S-NPP	25.44680	81.30370	10/27/2021	12:58:48	D	2.30
21	KAUSHAMBI	SIRATHU	S-NPP	25.70450	81.31300	10/27/2021	12:58:48	D	5.80
22	KAUSHAMBI	SIRATHU	S-NPP	25.70610	81.31140	10/27/2021	12:58:48	D	3.90
23	KHERI	GOLA	S-NPP	27.90230	80.31240	10/27/2021	12:58:48	D	2.50
24	KHERI	GOLA	S-NPP	28.19840	80.61610	10/27/2021	12:58:48	D	4.00
25	KHERI	GOLA	S-NPP	28.26960	80.34330	10/27/2021	12:58:48	D	3.90
26	KHERI	MOHMADI	S-NPP	27.89500	80.12820	10/27/2021	12:58:48	D	5.50
27	KHERI	MOHMADI	S-NPP	27.89580	80.13300	10/27/2021	12:58:48	D	8.20
28	KHERI	MOHMADI	S-NPP	27.89630	80.13110	10/27/2021	12:58:48	D	11.30
29	KHERI	MOHMADI	S-NPP	28.07050	80.26370	10/27/2021	12:58:48	D	3.80

30	LUCKNOW	MOHANLAL GANJ	S-NPP	26.62400	81.08970	10/27/2021	12:58:48	D	3.40
31	LUCKNOW	MOHANLAL GANJ	S-NPP	26.65770	80.93400	10/27/2021	12:58:48	D	2.00
32	LUCKNOW	MOHANLAL GANJ	S-NPP	26.70760	81.13330	10/27/2021	12:58:48	D	2.50
33	LUCKNOW	MOHANLAL GANJ	S-NPP	26.72020	81.12130	10/27/2021	12:58:48	D	2.50
34	MATHURA	CHHATA	S-NPP	27.84180	77.39210	10/27/2021	12:58:48	D	3.50
35	MATHURA	MATHURA	S-NPP	27.46090	77.54400	10/27/2021	12:58:48	D	3.40
36	RAMPUR	SUAR	S-NPP	28.91110	79.18180	10/27/2021	12:58:48	D	16.20
37	RAMPUR	SUAR	S-NPP	28.91140	79.18440	10/27/2021	12:58:48	D	21.00
38	SHAHJAHANPUR	PUWANYA	S-NPP	28.07550	79.99940	10/27/2021	12:58:48	D	3.60
39	SHAHJAHANPUR	PUWANYA	S-NPP	28.17600	80.26570	10/27/2021	12:58:48	D	3.40
40	SHAHJAHANPUR	PUWANYA	S-NPP	28.18280	80.11640	10/27/2021	12:58:48	D	4.00
41	SHAHJAHANPUR	PUWANYA	S-NPP	28.19420	80.15840	10/27/2021	12:58:48	D	2.10
42	SHAHJAHANPUR	PUWANYA	S-NPP	28.27990	80.21430	10/27/2021	12:58:48	D	5.30
43	SHAHJAHANPUR	PUWANYA	S-NPP	28.31620	80.16670	10/27/2021	12:58:48	D	5.40
44	SHAHJAHANPUR	PUWANYA	S-NPP	28.33310	80.11500	10/27/2021	12:58:48	D	2.50
45	SHAHJAHANPUR	SHAHJAHANPUR	S-NPP	27.81390	79.69570	10/27/2021	12:58:48	D	3.10
46	SHAHJAHANPUR	SHAHJAHANPUR	S-NPP	27.81490	79.69770	10/27/2021	12:58:48	D	4.00
47	SHAHJAHANPUR	SHAHJAHANPUR	S-NPP	27.82700	79.72100	10/27/2021	12:58:48	D	3.40
48	SHARANPUR	NAKUR	S-NPP	29.78780	77.19240	10/27/2021	12:58:48	D	4.00
49	SHARANPUR	NAKUR	S-NPP	29.96630	77.25780	10/27/2021	12:58:48	D	5.70
50	SHARANPUR	NAKUR	S-NPP	29.96880	77.25740	10/27/2021	12:58:48	D	5.90
51	SHARANPUR	NAKUR	S-NPP	30.02610	77.32970	10/27/2021	12:58:48	D	1.80
52	SHRAWASTI	BHINGA	S-NPP	27.73610	81.72700	10/27/2021	12:58:48	D	1.80
53	SHRAWASTI	BHINGA	S-NPP	27.82940	81.65040	10/27/2021	12:58:48	D	1.40
54	SITAPUR	LAHARPUR	S-NPP	27.56630	80.85440	10/27/2021	12:58:48	D	2.60
55	SITAPUR	MAHMUDABAD	S-NPP	27.25770	81.20920	10/27/2021	12:58:48	D	5.40
56	SITAPUR	MAHMUDABAD	S-NPP	27.47290	81.13240	10/27/2021	12:58:48	D	5.70
57	SITAPUR	MISRIK	S-NPP	27.71070	80.39650	10/27/2021	12:58:48	D	2.70
58	SITAPUR	SITAPUR	S-NPP	27.74840	80.60970	10/27/2021	12:58:48	D	1.90



### Details of residue burning events in Rajasthan on 27-Oct-2021

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_DATE	ACQ_TIME	Day / Night	Fire Power (W/m <sup>2</sup> )
1	CHITTAURGARH	CHITTAURGARH	S-NPP	24.76520	74.60770	10/27/2021	01:48:06	N	1.30

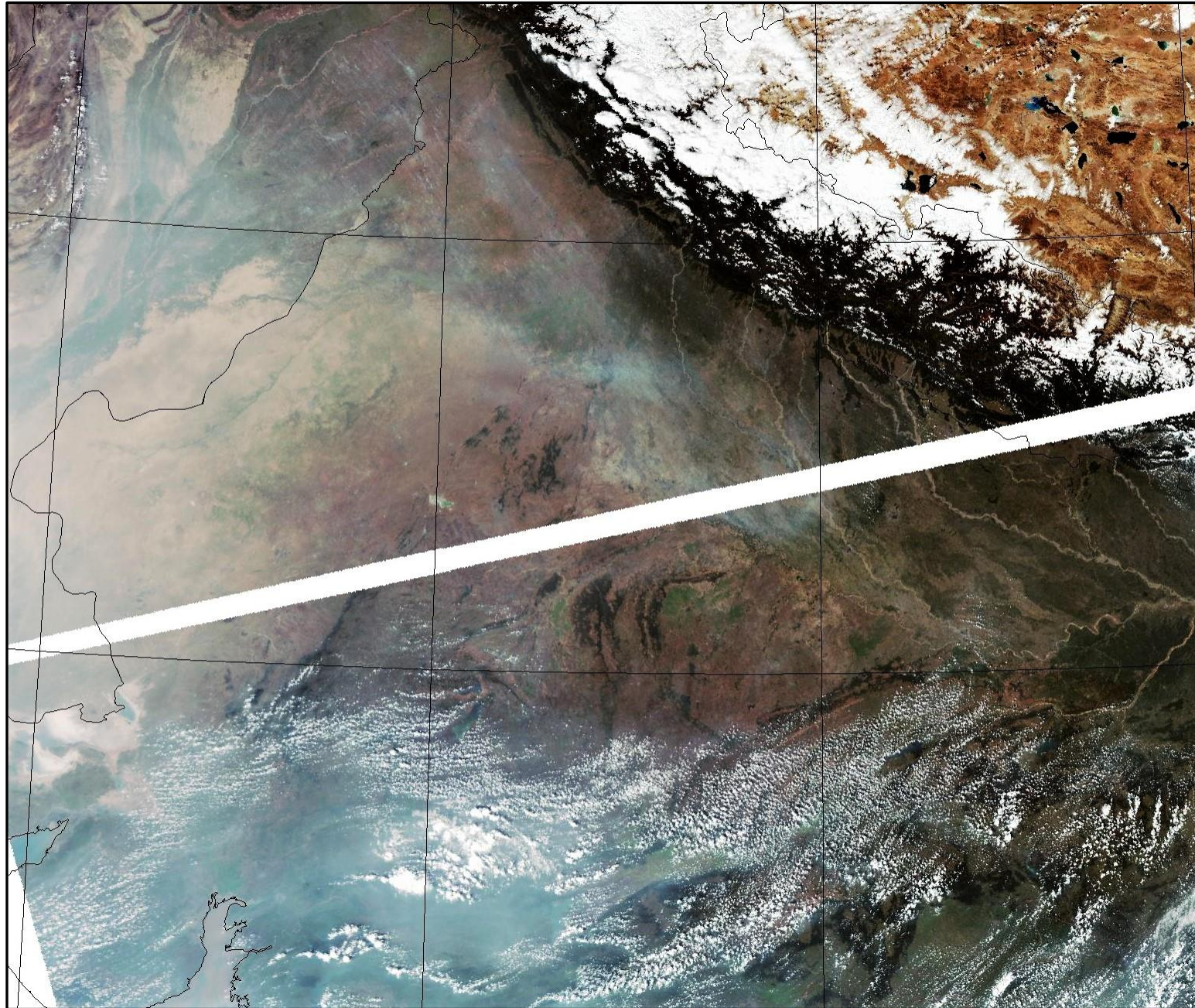
### Details of residue burning events in Madhya Pradesh on 27-Oct-2021

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_DATE	ACQ_TIME	Day / Night	Fire Power (W/m <sup>2</sup> )
1	BETUL	BETUL	S-NPP	21.82280	77.85180	10/27/2021	01:48:06	N	0.80
2	BETUL	BETUL	S-NPP	21.82630	77.85240	10/27/2021	01:48:06	N	0.40
3	DAMOH	TENDUKHERA	S-NPP	23.26090	79.31850	10/27/2021	12:58:48	D	2.00
4	DATIA	SEONDHA	S-NPP	25.84730	78.59510	10/27/2021	12:58:48	D	13.10
5	DATIA	SEONDHA	S-NPP	25.94420	78.55530	10/27/2021	12:58:48	D	1.70
6	HOSHANGABAD	BANKHERI	S-NPP	22.90770	78.51210	10/27/2021	12:58:48	D	1.70
7	HOSHANGABAD	HOSHANGABAD	S-NPP	22.60750	77.66820	10/27/2021	12:58:48	D	7.50
8	HOSHANGABAD	HOSHANGABAD	S-NPP	22.60860	77.66560	10/27/2021	12:58:48	D	6.90
9	HOSHANGABAD	HOSHANGABAD	S-NPP	22.73670	77.69540	10/27/2021	12:58:48	D	3.10
10	HOSHANGABAD	HOSHANGABAD	S-NPP	22.73770	77.69660	10/27/2021	12:58:48	D	2.70
11	HOSHANGABAD	ITARSI	S-NPP	22.59540	77.86000	10/27/2021	12:58:48	D	3.30
12	HOSHANGABAD	ITARSI	S-NPP	22.60560	77.69860	10/27/2021	12:58:48	D	1.50
13	HOSHANGABAD	PIPARIYA	S-NPP	22.79760	78.30910	10/27/2021	01:48:06	N	0.60
14	HOSHANGABAD	SEONI MALWA	S-NPP	22.38350	77.42990	10/27/2021	12:58:48	D	7.40
15	HOSHANGABAD	SEONI MALWA	S-NPP	22.49010	77.55750	10/27/2021	12:58:48	D	3.00
16	HOSHANGABAD	SEONI MALWA	S-NPP	22.49160	77.55430	10/27/2021	12:58:48	D	3.70
17	HOSHANGABAD	SEONI MALWA	S-NPP	22.59370	77.48600	10/27/2021	12:58:48	D	2.10
18	JABALPUR	SAHPURA	S-NPP	23.11550	79.79040	10/27/2021	12:58:48	D	5.50
19	JABALPUR	SAHPURA	S-NPP	23.11620	79.79410	10/27/2021	12:58:48	D	6.50
20	JABALPUR	SAHPURA	S-NPP	23.13480	79.71200	10/27/2021	12:58:48	D	3.70
21	NARSHIMAPURA	GADARWARA	S-NPP	22.91970	78.62380	10/27/2021	12:58:48	D	4.60
22	NARSHIMAPURA	GADARWARA	S-NPP	22.94780	78.73480	10/27/2021	12:58:48	D	3.50

23	NARSHIMAPURA	GOTECAON	S-NPP	23.01780	79.36250	10/27/2021	12:58:48	D	7.00
24	NARSHIMAPURA	GOTECAON	S-NPP	23.01860	79.36650	10/27/2021	12:58:48	D	7.00
25	REWA	SIRMAUR	S-NPP	24.82380	81.09320	10/27/2021	12:58:48	D	5.80
26	SATNA	RAMPURBAGHLEAN	S-NPP	24.53030	81.08720	10/27/2021	12:58:48	D	7.70
27	SEHORE	BUDHNI	S-NPP	22.68240	77.49270	10/27/2021	12:58:48	D	3.50
28	SEHORE	BUDHNI	S-NPP	22.68440	77.57440	10/27/2021	12:58:48	D	3.60
29	SEHORE	BUDHNI	S-NPP	22.68450	77.49100	10/27/2021	12:58:48	D	4.70
30	SEHORE	BUDHNI	S-NPP	22.68700	77.49170	10/27/2021	12:58:48	D	4.50
31	SEONI	GHANSAUR	S-NPP	22.38880	79.82260	10/27/2021	12:58:48	D	5.90
32	SEONI	GHANSAUR	S-NPP	22.38950	79.82280	10/27/2021	12:58:48	D	6.60
33	SEONI	GHANSAUR	S-NPP	22.46930	79.84930	10/27/2021	12:58:48	D	3.50
34	SEONI	GHANSAUR	S-NPP	22.47000	79.85320	10/27/2021	12:58:48	D	3.50
35	SEONI	KEWLARI	S-NPP	22.27910	79.83880	10/27/2021	12:58:48	D	2.80
36	SEONI	KEWLARI	S-NPP	22.27940	79.83890	10/27/2021	12:58:48	D	2.60
37	SEONI	KEWLARI	S-NPP	22.29270	79.84380	10/27/2021	12:58:48	D	6.00
38	SEONI	KEWLARI	S-NPP	22.29340	79.84770	10/27/2021	12:58:48	D	7.20
39	SEONI	KEWLARI	S-NPP	22.29380	79.78340	10/27/2021	12:58:48	D	3.30
40	SEONI	KEWLARI	S-NPP	22.32170	79.79750	10/27/2021	12:58:48	D	2.10
41	SEONI	KEWLARI	S-NPP	22.34820	79.91530	10/27/2021	12:58:48	D	12.70
42	SEONI	KEWLARI	S-NPP	22.35420	79.74620	10/27/2021	12:58:48	D	3.10
43	SEONI	KEWLARI	S-NPP	22.36180	79.87670	10/27/2021	12:58:48	D	8.10
44	SEONI	KEWLARI	S-NPP	22.37440	79.76970	10/27/2021	12:58:48	D	1.80
45	SEONI	KEWLARI	S-NPP	22.38070	79.95550	10/27/2021	12:58:48	D	1.80
46	SEONI	KEWLARI	S-NPP	22.42560	79.94950	10/27/2021	12:58:48	D	5.10
47	SEONI	LAKHNADOU	S-NPP	22.49170	79.56960	10/27/2021	12:58:48	D	3.20
48	SEONI	LAKHNADOU	S-NPP	22.61220	79.72010	10/27/2021	12:58:48	D	3.80
49	SEONI	SEONI	S-NPP	22.09810	79.51690	10/27/2021	12:58:48	D	3.70
50	SEONI	SEONI	S-NPP	22.11400	79.52730	10/27/2021	12:58:48	D	4.90
51	SEONI	SEONI	S-NPP	22.11890	79.53040	10/27/2021	12:58:48	D	5.90
52	SEONI	SEONI	S-NPP	22.13980	79.50480	10/27/2021	12:58:48	D	3.80
53	SEONI	SEONI	S-NPP	22.22120	79.73050	10/27/2021	12:58:48	D	3.90
54	SEONI	SEONI	S-NPP	22.24750	79.82580	10/27/2021	12:58:48	D	3.70
55	SEONI	SEONI	S-NPP	22.27650	79.80320	10/27/2021	12:58:48	D	5.30

56	SEONI	SEONI	S-NPP	22.27700	79.80320	10/27/2021	12:58:48	D	4.50
57	SEONI	SEONI	S-NPP	22.31290	79.66180	10/27/2021	12:58:48	D	2.50
58	SEONI	SEONI	S-NPP	22.31620	79.74640	10/27/2021	12:58:48	D	19.10
59	SEONI	SEONI	S-NPP	22.32250	79.75720	10/27/2021	12:58:48	D	11.00
60	SHIVPURI	NARWAR	S-NPP	25.72760	78.22530	10/27/2021	12:58:48	D	7.20
61	SHIVPURI	NARWAR	S-NPP	25.72840	78.22950	10/27/2021	12:58:48	D	12.50
62	VIDESHA	KORWAI	S-NPP	24.08090	78.01830	10/27/2021	12:58:48	D	1.80

SNPP (VIIRS) Satellite image (TCC) of North and Central India Acquired on 27-Oct-2021 at 12:55:00 IST by IARI Ground Station



## 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 / 750	Both
2.	Terra	MODIS	1000	Both
3.	Aqua	MODIS	1000	Both

The rice mask for the Punjab and Haryana were provided by MNCFC, MoA&FW, Govt of India  
The kharif crop mask for Delhi, Uttar Pradesh, Rajasthan and Madhya Pradesh were provided by NRSC

### Study Team

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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)

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