



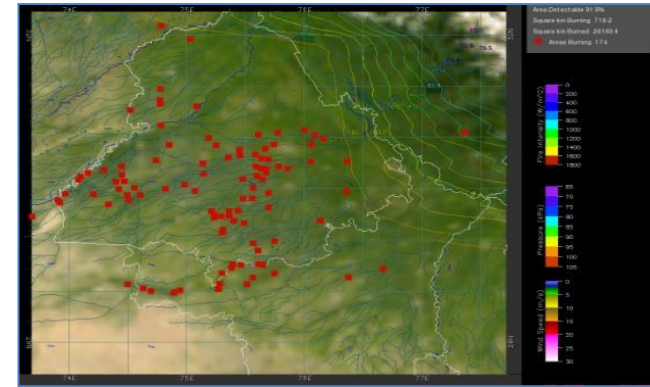
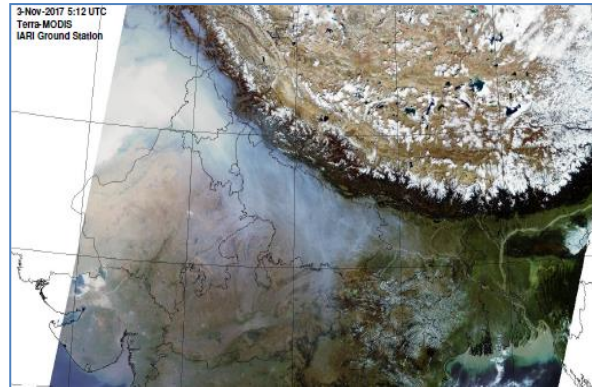
## Bulletin No. 21

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# MONITORING WHEAT RESIDUE BURNING IN INDIA USING SATELLITE REMOTE SENSING DURING 2022



Prepared by:

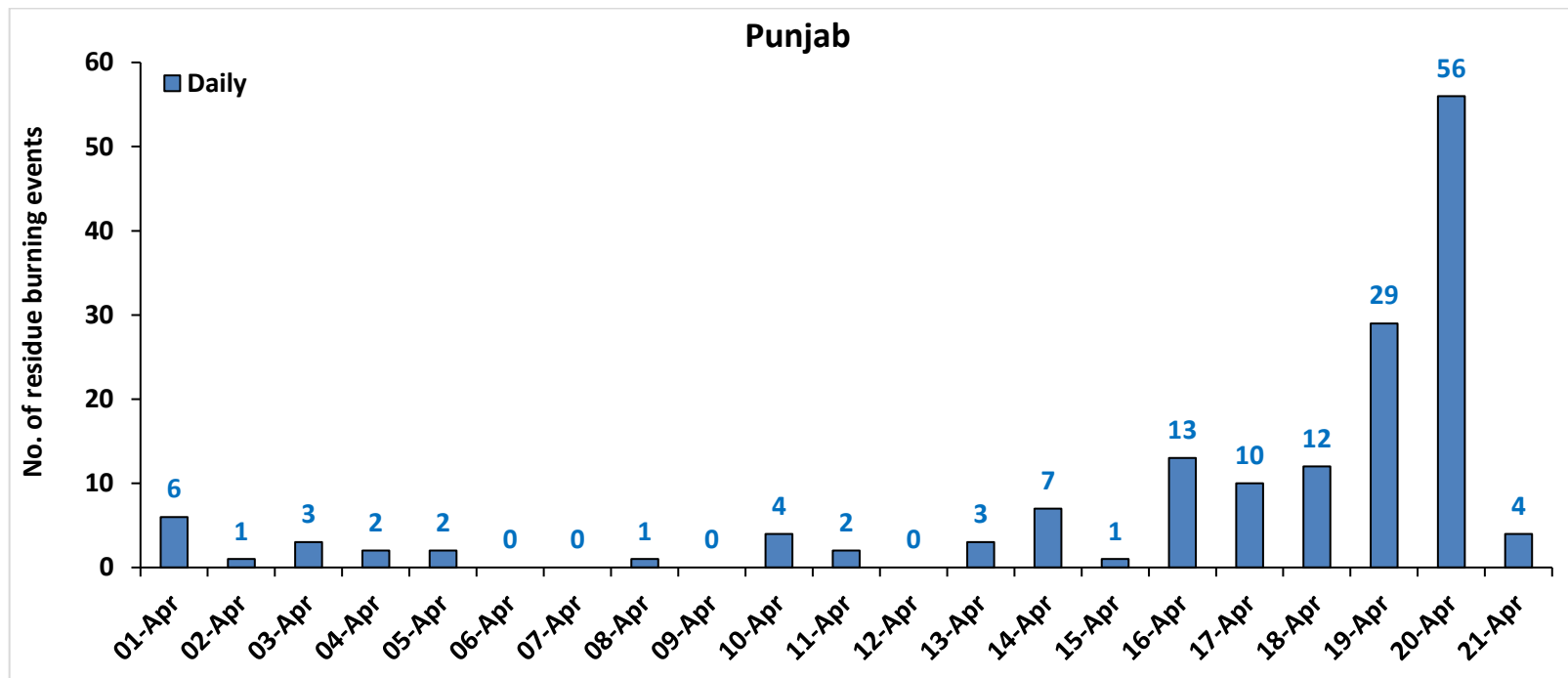
Consortium for Research on Agroecosystem Monitoring and Modeling from Space (CREAMS) Laboratory,  
Division of Agricultural Physics, ICAR – Indian Agricultural Research Institute, New Delhi – 110012

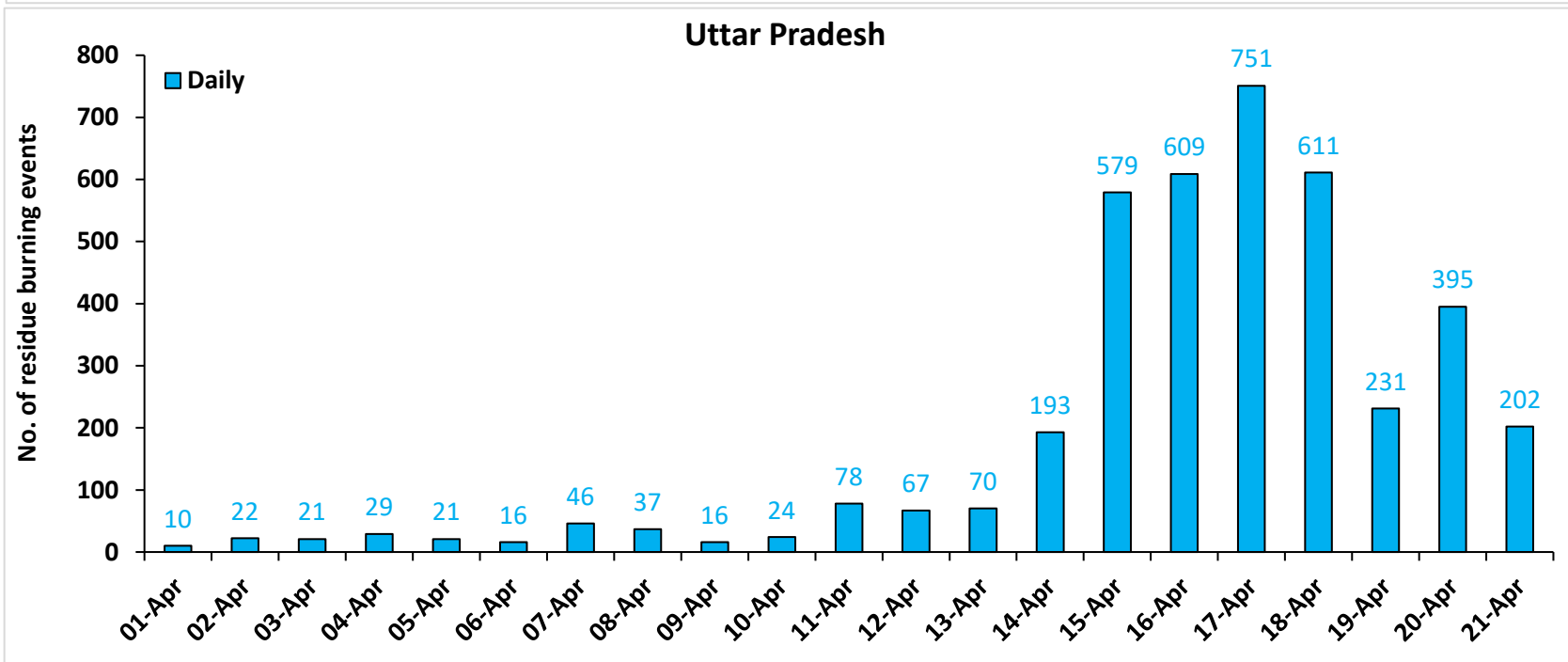
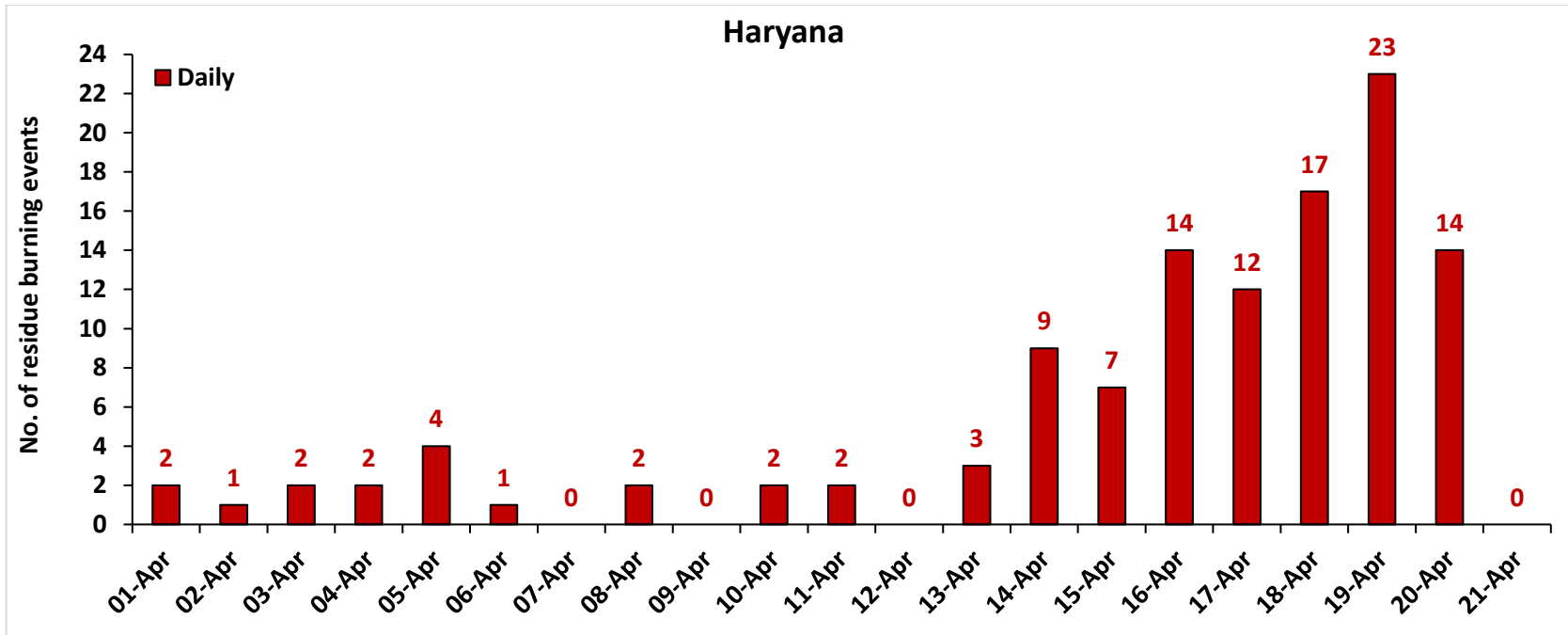
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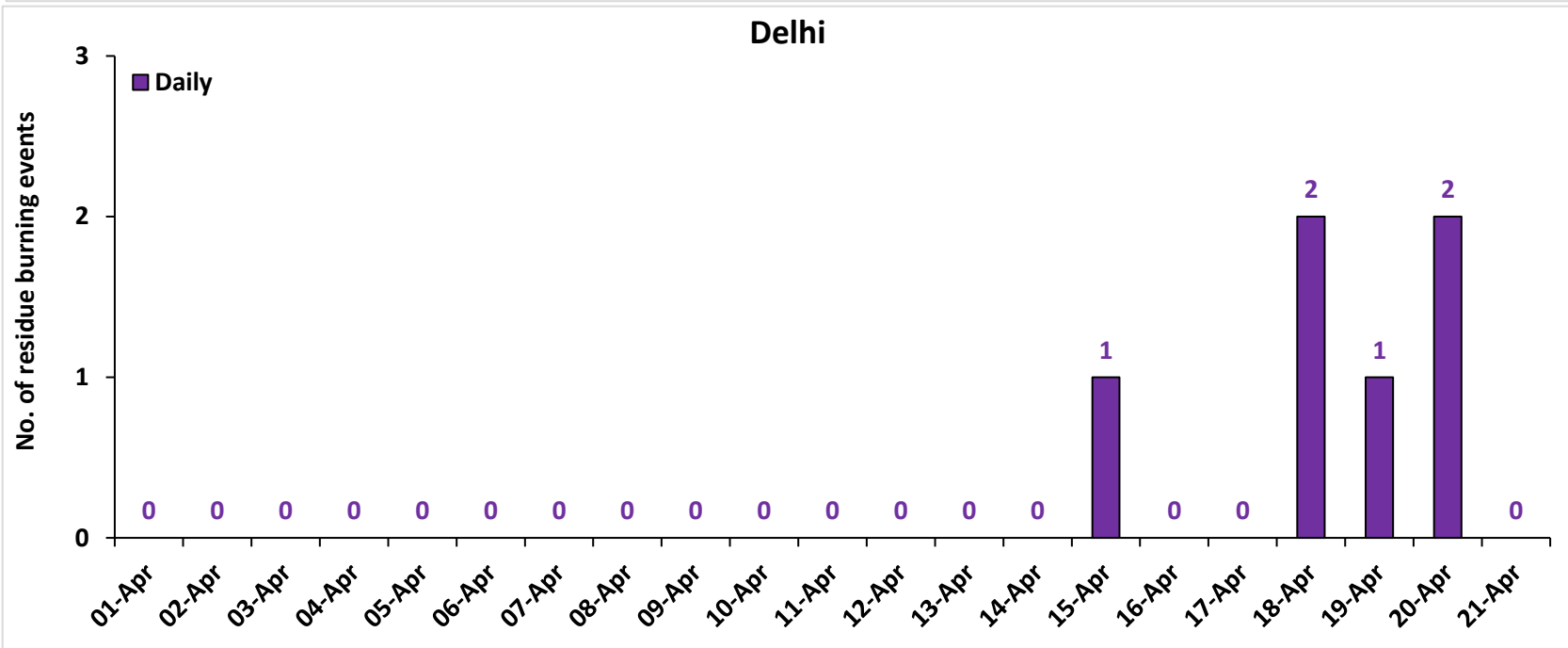
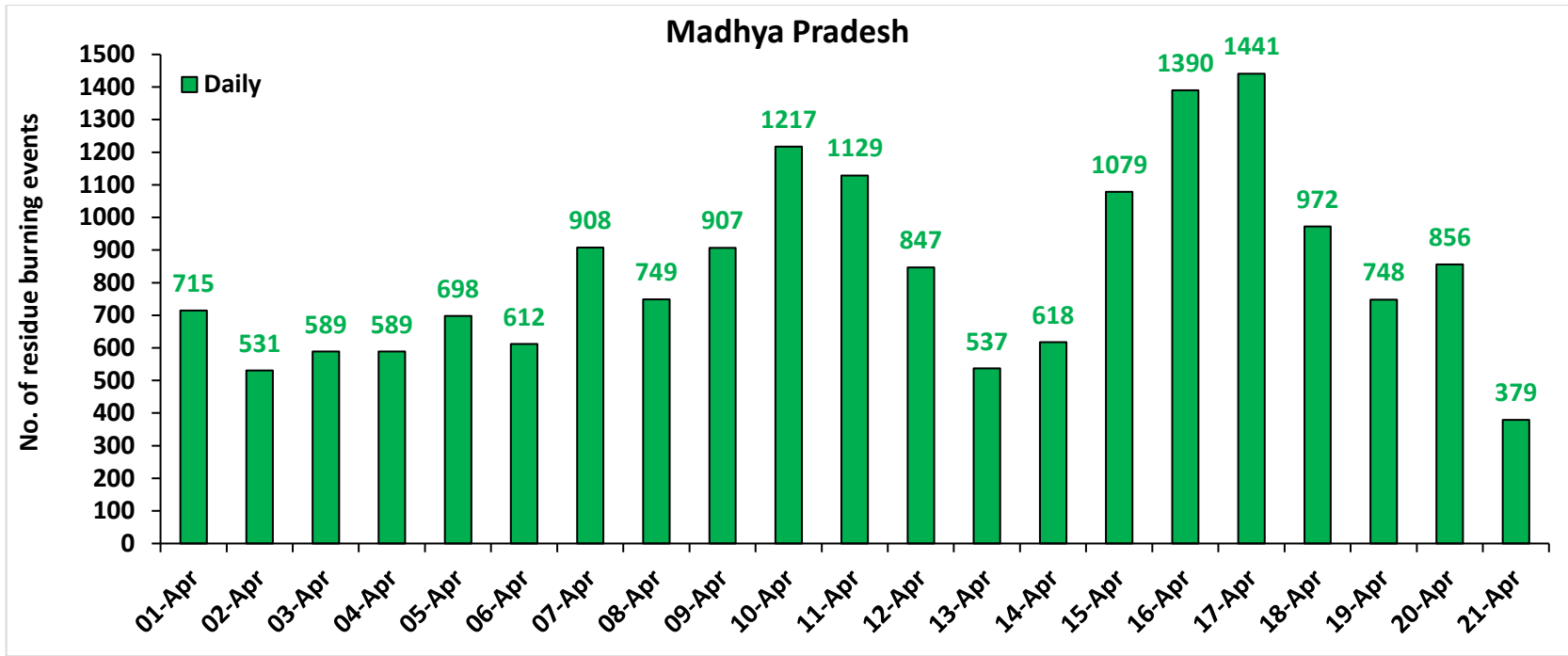
## Highlights for 21-April-2022

- The active fire events due to wheat 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 **585** residue burning events in the five study States on 21-Apr-2022.
- The state wise events detected on 21-Apr-2021 were **04** in Punjab, **00** in Haryana, **00** in Delhi, **202** in Uttar Pradesh and **379** in Madhya Pradesh.
- The number of events has decreased from **1323** on 20-Apr-2022 to **585** on 21-Apr-2022 in the five study states.
- Total **21818** burning events were detected in the five states between 01-Apr-2022 and 21-Apr-2022, which are distributed as **156**, **117**, **4028**, **06**, and **17511** in Punjab, Haryana, UP, Delhi, and MP, respectively.
- Detection of fire events by satellites was hampered by clouds over Punjab, Haryana, Delhi, Western UP and MP.

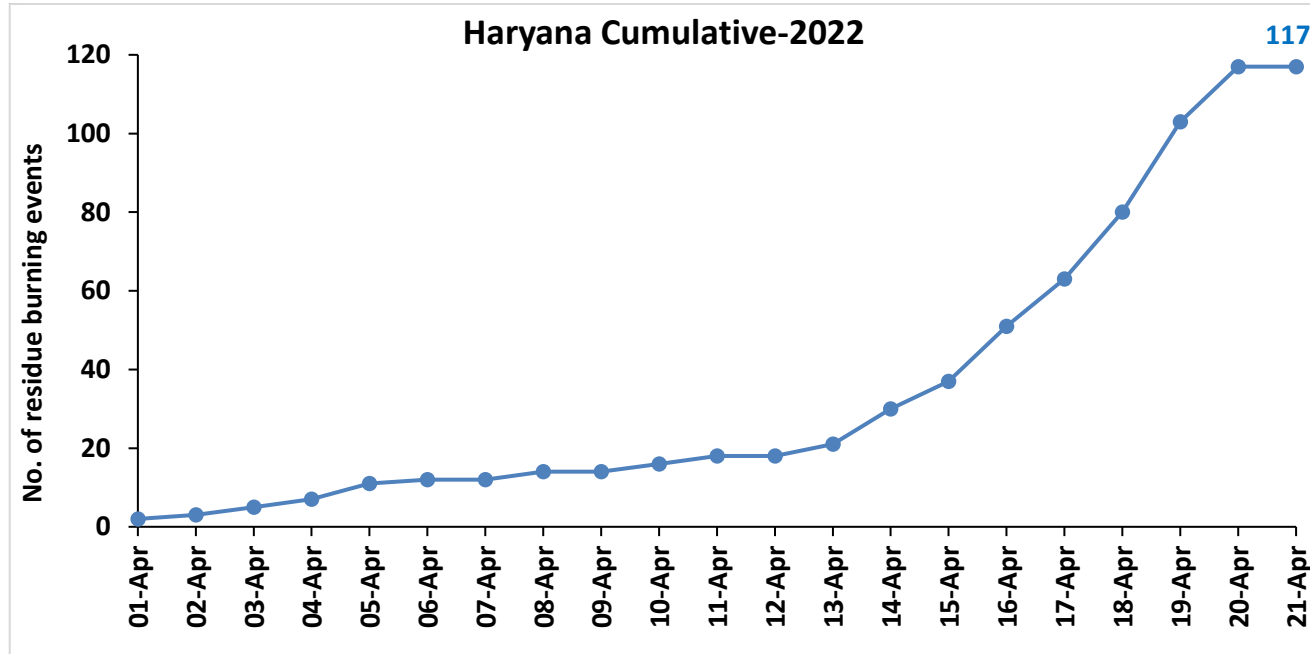
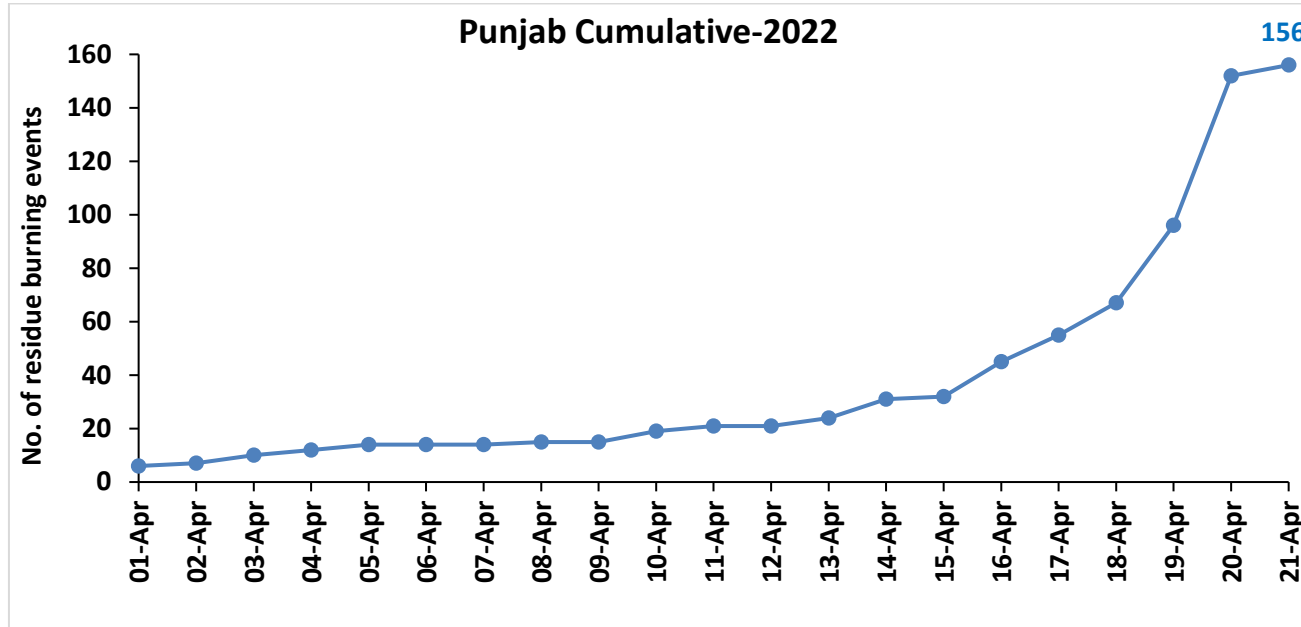
### Temporal distribution of wheat residue burning events for the study States in 2022

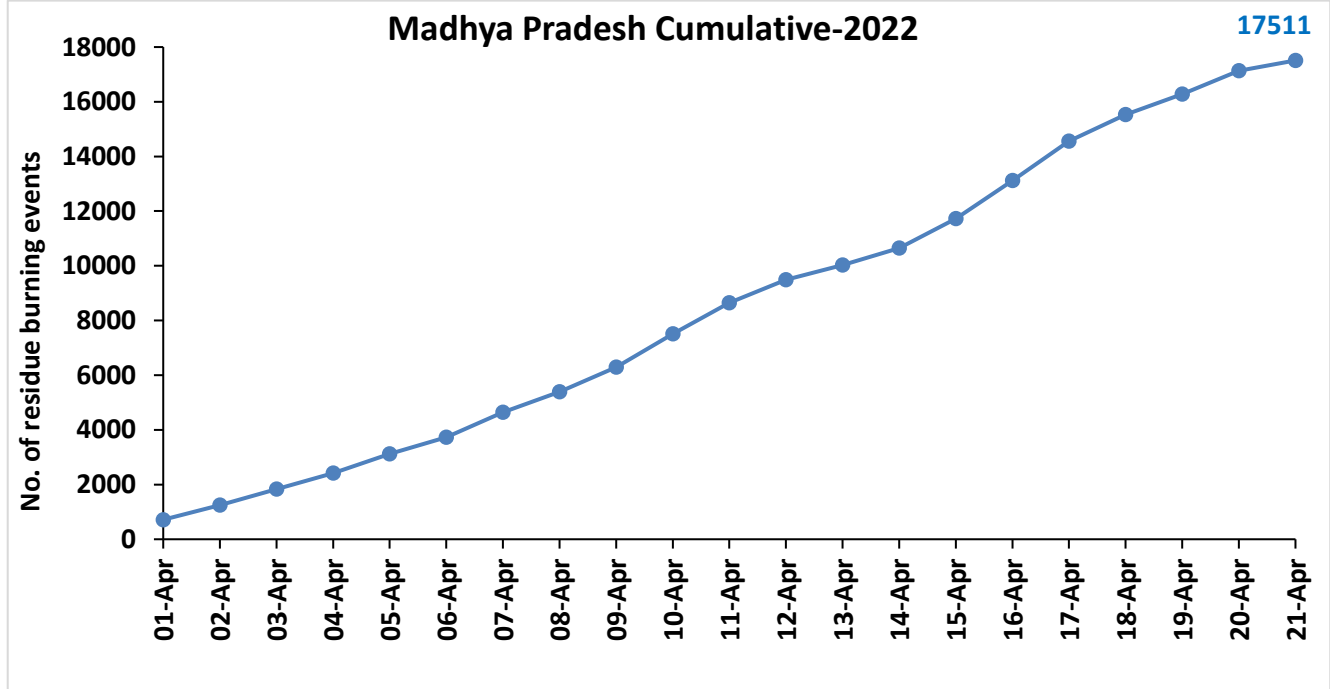
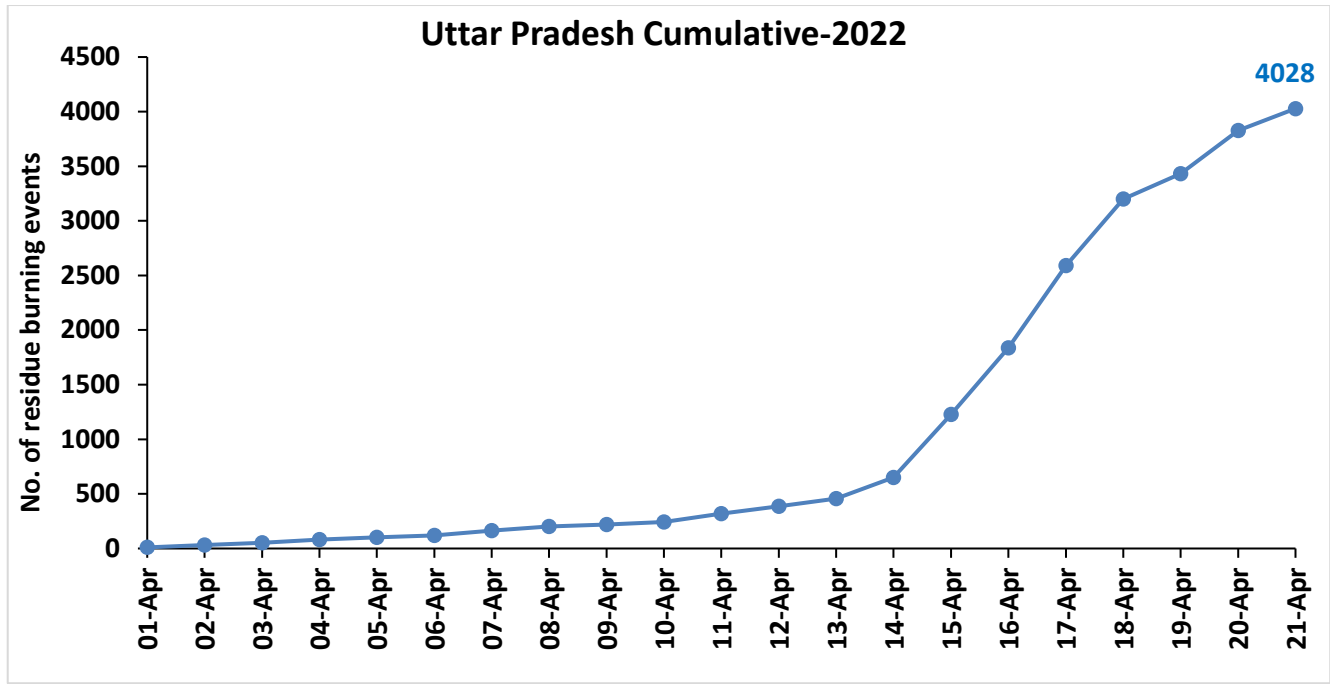




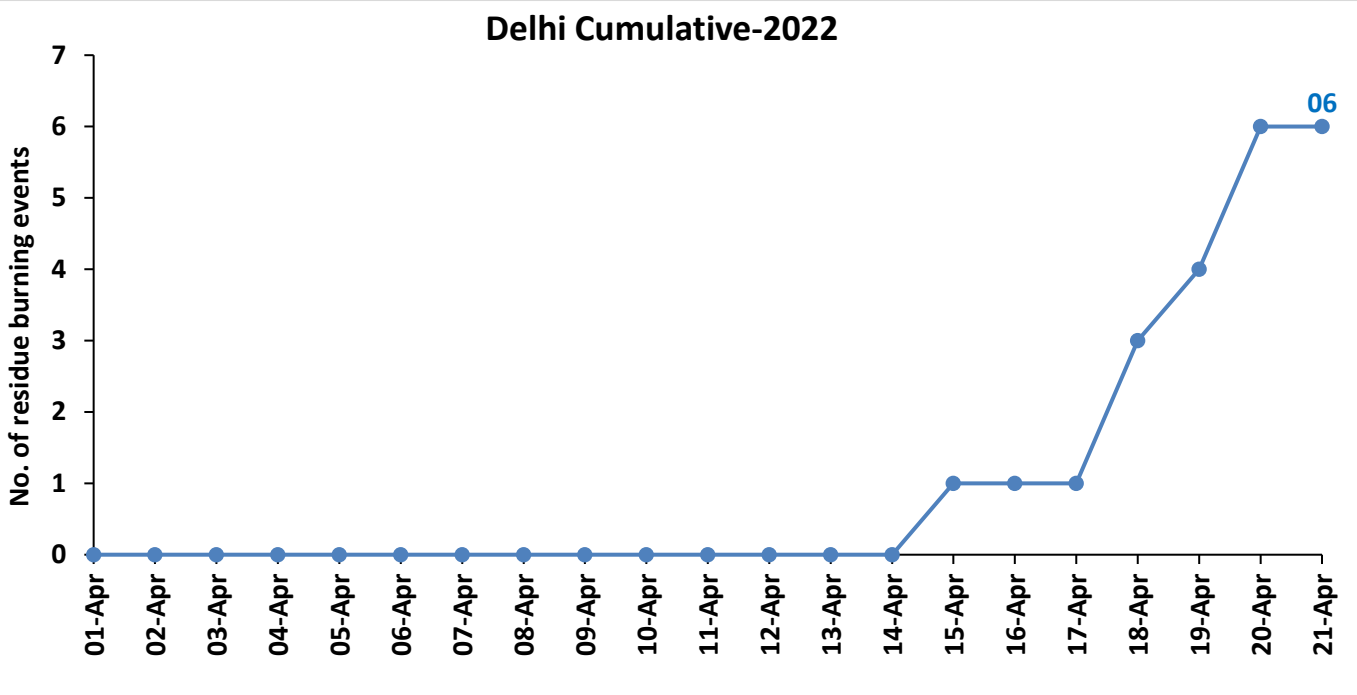


**Cumulative Wheat Residue burning events in current year (2022) for the study States**



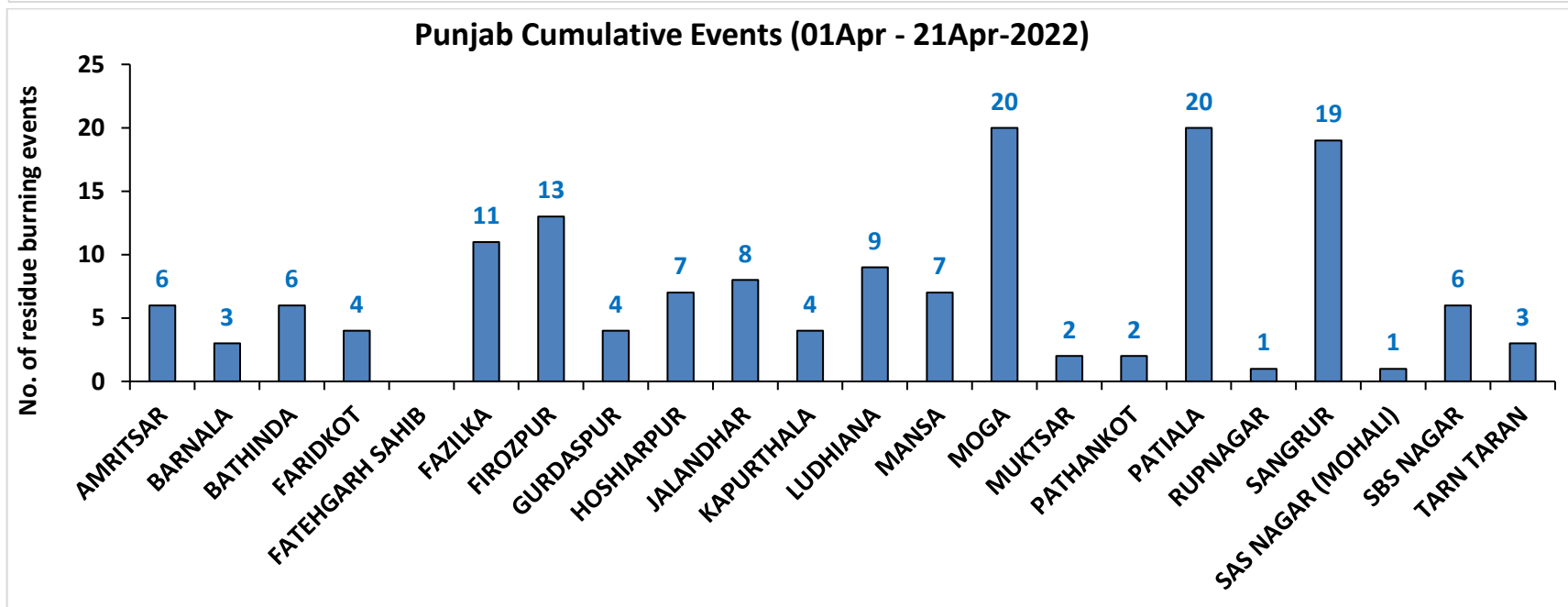
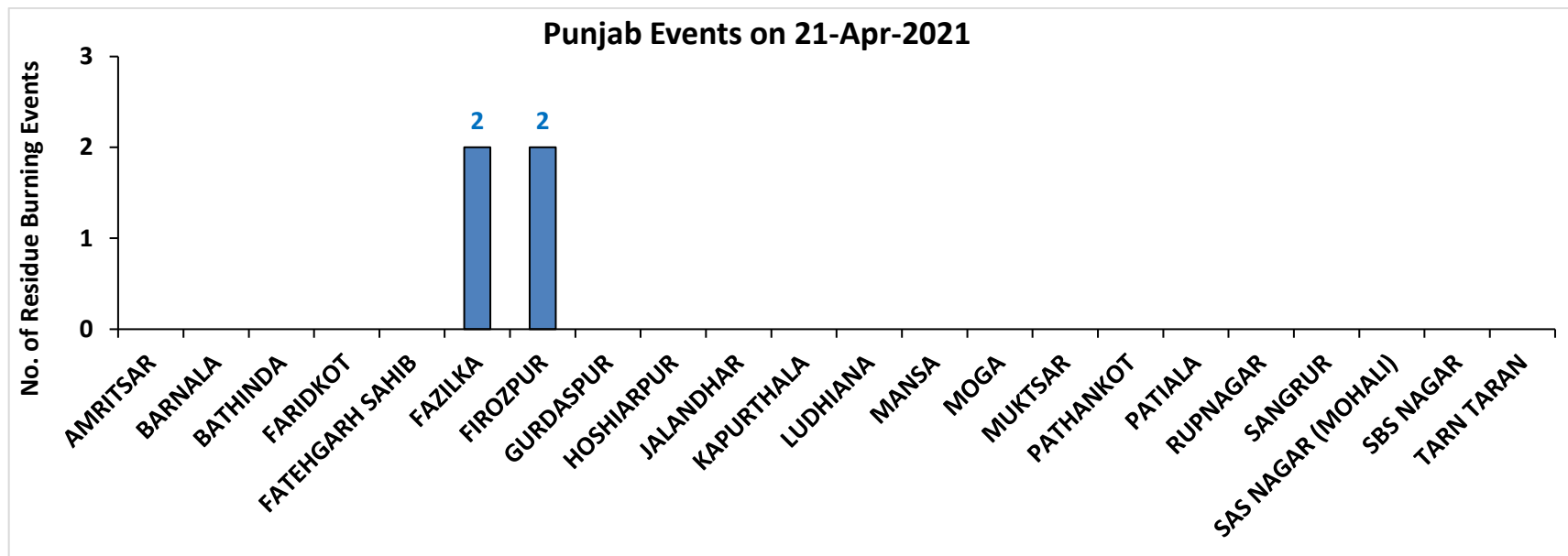


Delhi Cumulative-2022



## Punjab

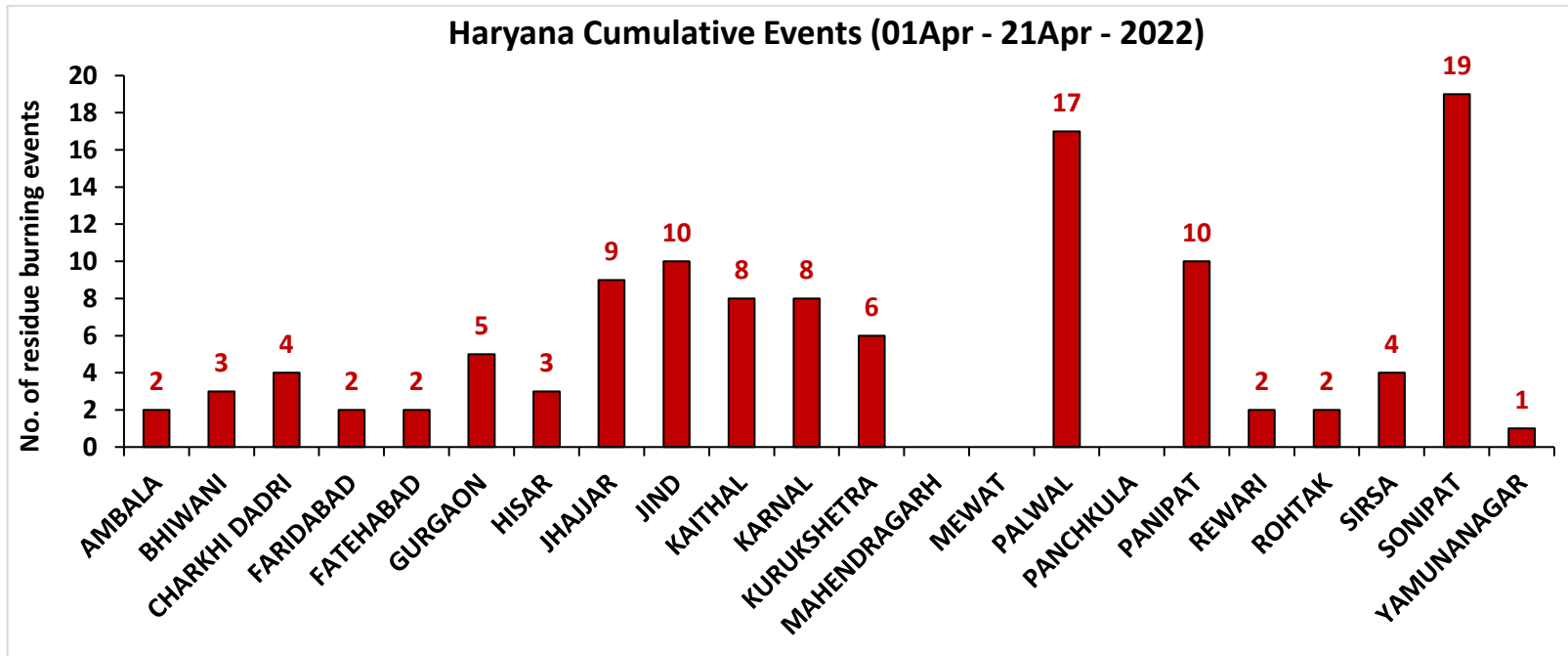
### District-wise cumulative number of wheat residue burning events in Punjab (01 Apr-21 Apr-2022)





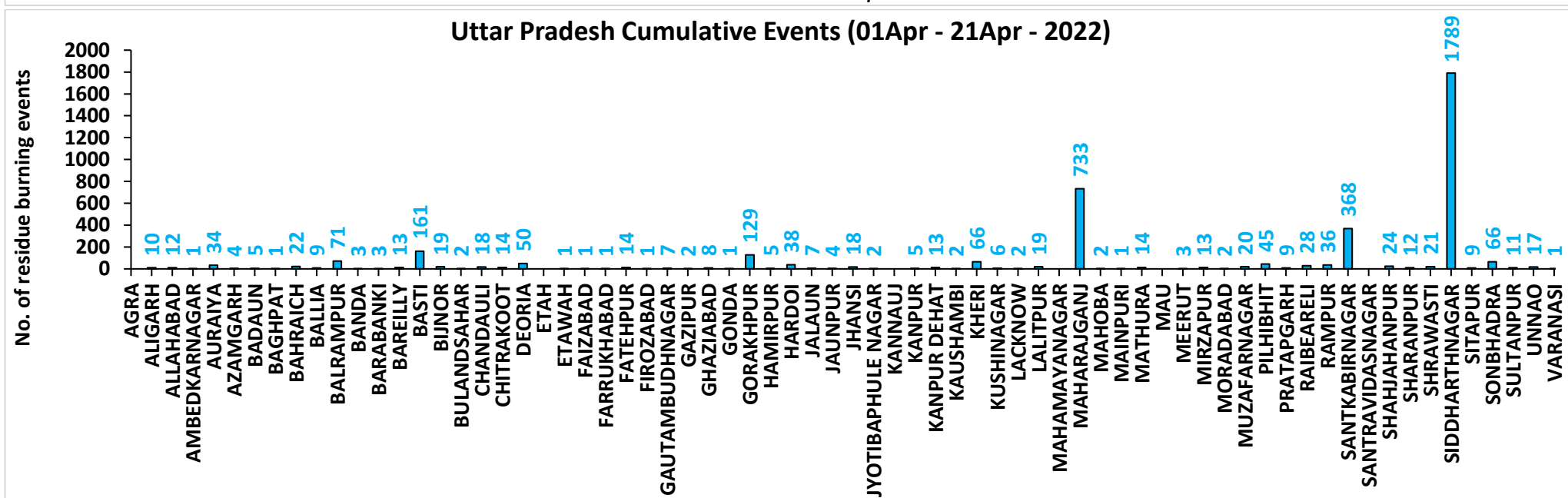
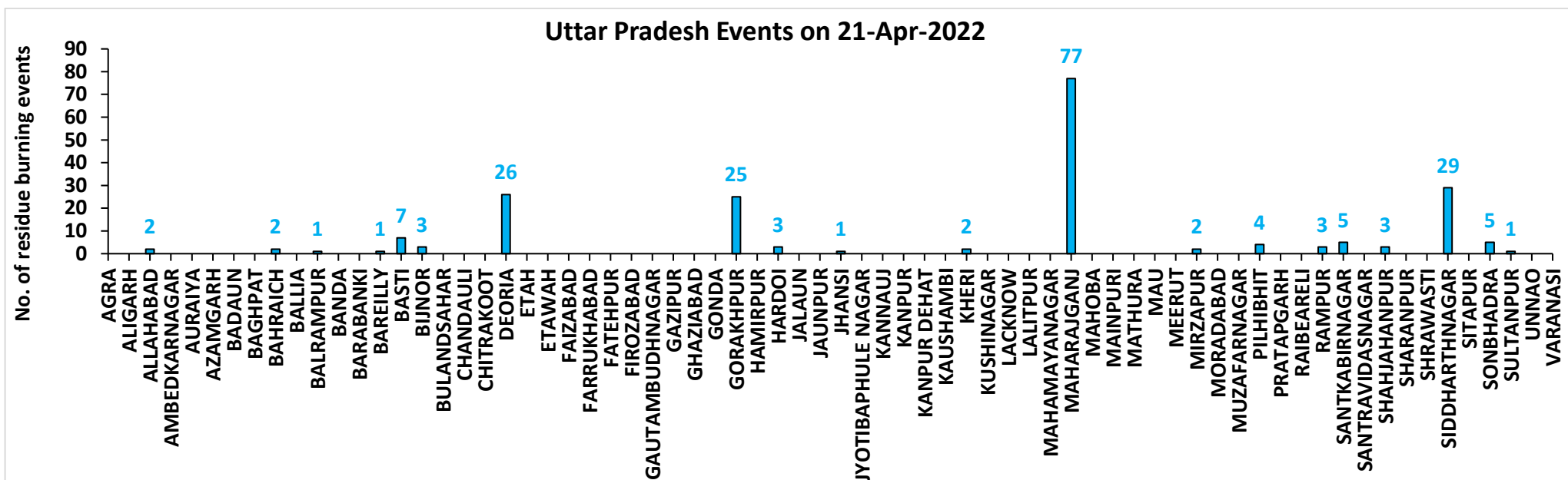
## Haryana

### District-wise cumulative number of residue burning events in Haryana (01 Apr-21 Apr-2022)



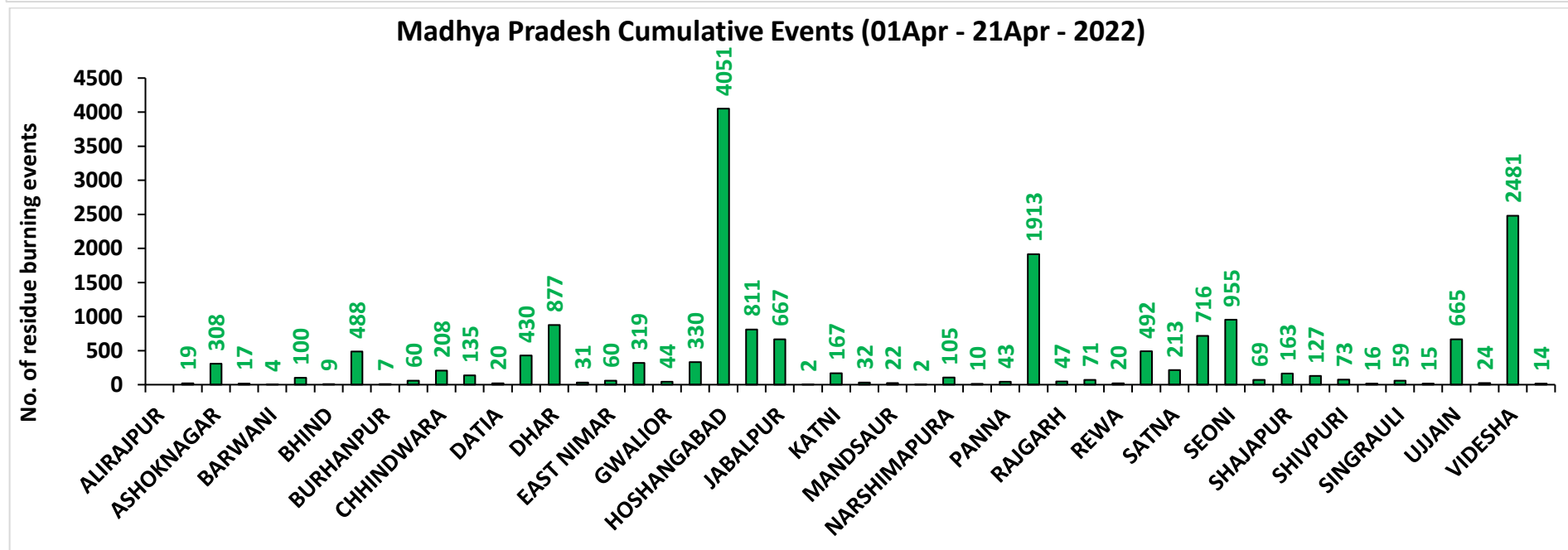
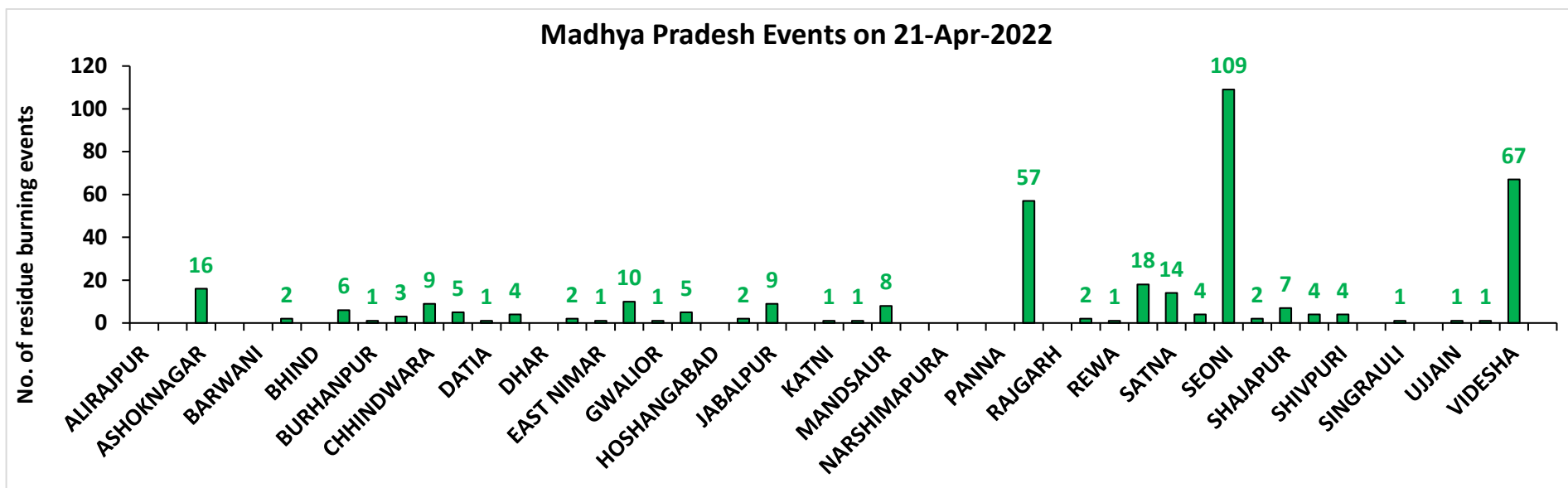
## Uttar Pradesh

### District-wise cumulative number of wheat residue burning events in Uttar Pradesh (01 Apr-21 Apr-2022)



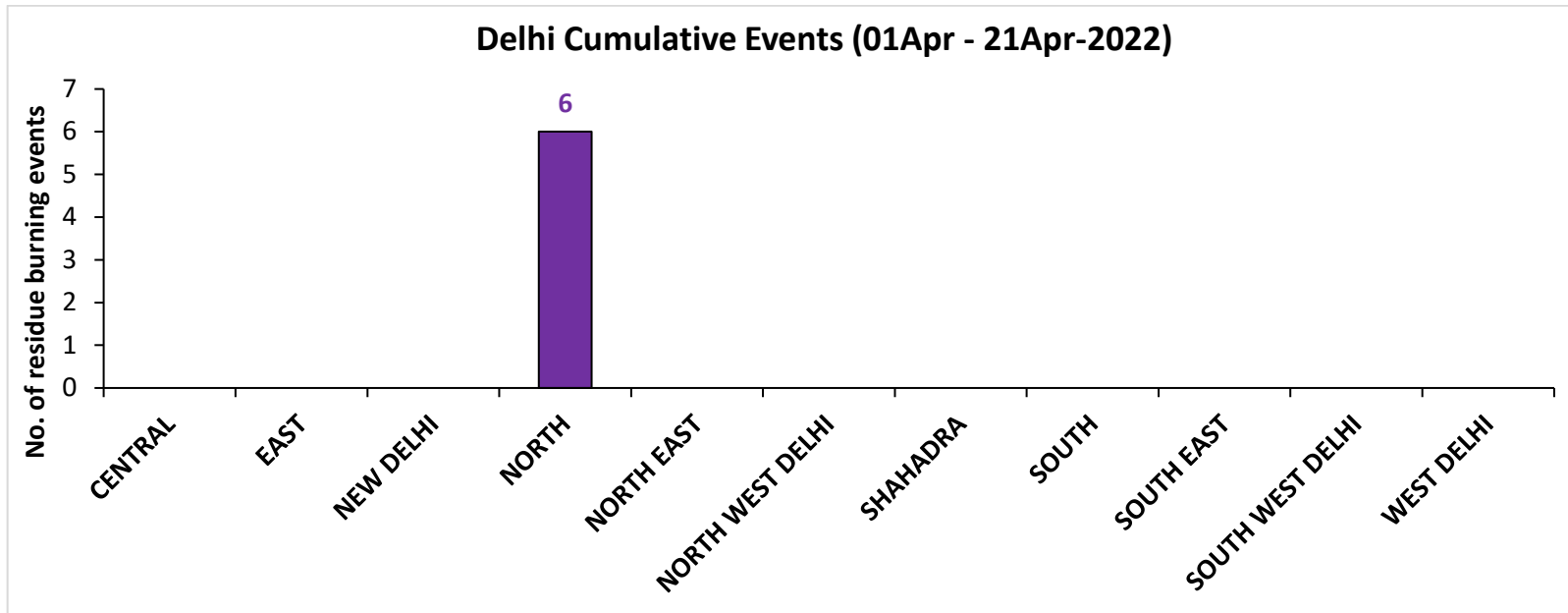
## Madhya Pradesh

### District-wise cumulative number of wheat residue burning events in Madhya Pradesh (01 Apr-21 Apr-2022)



## Delhi

### District-wise cumulative number of wheat residue burning events in Delhi (01 Apr-21 Apr-2022)



**District-wise cumulative number of wheat residue burning events detected in 2022**

**(Period: 01 April – 21 April)**

**(a) Punjab**

District	01Apr-21 Apr
	Year 2022
Amritsar	6
Barnala	3
Bathinda	6
Faridkot	4
Fatehgarh Sahib	0
Fazilka	11
Firozpur	13
Gurdaspur	4
Hoshiarpur	7
Jalandhar	8
Kapurthala	4
Ludhiana	9
Mansa	7
Moga	20
Muktsar	2
Pathankot	2
Patiala	20
Rupnagar	1
Sangrur	19
SAS NAGAR (Mohali)	1
SBS Nagar	6
Tarn Taran	3
<b>Total</b>	<b>156</b>

**(b) Haryana**

District	01Apr-21 Apr
	Year 2022
Ambala	2
Bhiwani	3
Charkhi Dadri	4
Faridabad	2
Fatehabad	2
Gurgaon	5
Hisar	3
Jhajjar	9
Jind	10
Kaithal	8
Karnal	8
Kurukshetra	6
Mahendragarh	0
Mewat	0
Palwal	17
Panchkula	0
Panipat	10
Rewari	2
Rohtak	2
Sirsa	4
Sonipat	19
Yamunanagar	1
<b>Total</b>	<b>117</b>

(c) Uttar Pradesh

District	01Apr-21 Apr				
	Year 2022				
		GAUTAMBUDHNAGAR	7	MUZAFARNAGAR	20
		GAZIPUR	2	PILHIBHIT	45
AGRA	0	GHAZIABAD	8	PRATAPGARH	9
ALIGARH	10	GONDA	1	RAIBEARELI	28
ALLAHABAD	12	GORAKHPUR	129	RAMPUR	36
AMBEDKARNAGAR	1	HAMIRPUR	5	SANTKABIRNAGAR	368
AURAIYA	34	HARDOI	38	SANTRAVIDASNAGAR	0
AZAMGARH	4	JALAUN	7	SHAHJAHANPUR	24
BADAUN	5	JAUNPUR	4	SHARANPUR	12
BAGHPAT	1	JHANSI	18	SHRAWASTI	21
BAHRAICH	22	JYOTIBAPHULE NAGAR	2	SIDDHARTHANAGAR	1789
BALLIA	9	KANNAUJ	0	SITAPUR	9
BALRAMPUR	71	KANPUR	5	SONBHADRA	66
BANDA	3	KANPUR DEHAT	13	SULTANPUR	11
BARABANKI	3	KAUSHAMBI	2	UNNAO	17
BAREILLY	13	KHERI	66	VARANASI	1
BASTI	161	KUSHINAGAR	6	<b>Total</b>	<b>4028</b>
BIJNOR	19	LACKNOW	2		
BULANDSAHAR	2	LALITPUR	19		
CHANDAULI	18	MAHAMAYANAGAR	0		
CHITRAKOOT	14	MAHARAJGANJ	733		
DEORIA	50	MAHOBA	2		
ETAH	0	MAINPURI	1		
ETAWAH	1	MATHURA	14		
FAIZABAD	1	MAU	0		
FARRUKHABAD	1	MEERUT	3		
FATEHPUR	14	MIRZAPUR	13		
FIROZABAD	1	MORADABAD	2		

**(f) Madhya Pradesh**

District	01Apr-21 Apr	
	Year 2022	
		PANNA 43
ALIRAJPUR	0	RAISEN 1913
ANUPPUR	19	RAJGARH 47
ASHOKNAGAR	308	RATLAM 71
BALAGHAT	17	REWA 20
BARWANI	4	SAGAR 492
BETUL	100	SATNA 213
BHIND	9	SEHORE 716
BHOPAL	488	SEONI 955
BURHANPUR	7	SHAHDOL 69
CHHATARPUR	60	SHAJAPUR 163
CHHINDWARA	208	SHEOPUR 127
DAMOH	135	SHIVPURI 73
DATIA	20	SIDHI 16
DEWAS	430	SINGRAULI 59
DHAR	877	TIKAMGARH 15
DINDORI	31	UJJAIN 665
EAST NIMAR	60	UMARIA 24
GUNA	319	VIDESHA 2481
GWALIOR	44	WEST NIMAR 14
HARDA	330	<b>Total 17511</b>
HOSHANGABAD	4051	
INDORE	811	
JABALPUR	667	
JHABUA	2	
KATNI	167	
MANDLA	32	
MANDSAUR	22	
MORENA	2	
NARSHIMAPURA	105	
NIMACH	10	

**(g) Delhi**

District	01Apr-21 Apr
	<b>2022</b>
CENTRAL	0
EAST	0
NEW DELHI	0
NORTH	6
NORTH EAST	0
NORTH WEST DELHI	0
SHAHADRA	0
SOUTH	0
SOUTH EAST	0
SOUTH WEST DELHI	0
WEST DELHI	0
<b>Total</b>	<b>6</b>

**State-wise and date-wise number of wheat residue burning events detected in 2022**

**(Period: 01 April – 21 April)**

	<b>Punjab</b>	<b>Haryana</b>	<b>UP</b>	<b>MP</b>	<b>Delhi</b>
<b>1-Apr</b>	6	2	10	715	0
<b>2-Apr</b>	1	1	22	531	0
<b>3-Apr</b>	3	2	21	589	0
<b>4-Apr</b>	2	2	29	589	0
<b>5-Apr</b>	2	4	21	698	0
<b>6-Apr</b>	0	1	16	612	0
<b>7-Apr</b>	0	0	46	908	0
<b>8-Apr</b>	1	2	37	749	0
<b>9-Apr</b>	0	0	16	907	0
<b>10-Apr</b>	4	2	24	1217	0
<b>11-Apr</b>	2	2	78	1129	0
<b>12-Apr</b>	0	0	67	847	0
<b>13-Apr</b>	3	3	70	537	0
<b>14-Apr</b>	7	9	193	618	0
<b>15-Apr</b>	1	7	579	1079	1
<b>16-Apr</b>	13	14	609	1390	0
<b>17-Apr</b>	10	12	751	1441	0
<b>18-Apr</b>	12	17	611	972	2
<b>19-Apr</b>	29	23	231	748	1
<b>20-Apr</b>	56	14	395	856	2
<b>21-Apr</b>	4	0	202	379	0
<b>Total</b>	<b>156</b>	<b>117</b>	<b>4028</b>	<b>17511</b>	<b>6</b>



Details of wheat residue burning events in Punjab on 21-Apr-2022

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_DATE	ACQ_TIME	Day / Night	Fire Power (W/m <sup>2</sup> )
1	FAZILKA	JALALABAD	Aqua	30.60200	74.27800	4/21/2022	14:05:06	D	20.30
2	FAZILKA	KHUIAN SARWAR	npp	30.04680	74.06700	4/21/2022	12:57:06	D	5.00
3	FIROZPUR	GURUHAR SAHAI	npp	30.60160	74.28450	4/21/2022	14:37:23	D	10.30
4	FIROZPUR	GURUHAR SAHAI	npp	30.60210	74.29020	4/21/2022	14:37:23	D	12.80

## Details of wheat residue burning events in Uttar Pradesh on 21-Apr-2022

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_DATE	ACQ_TIME	Day / Night	Fire Power (W/m <sup>2</sup> )
1	ALLAHABAD	ALLAHABAD	npp	25.49070	81.71230	4/21/2022	01:47:48	N	1.90
2	ALLAHABAD	KORAWN	npp	25.02760	81.79070	4/21/2022	01:47:48	N	0.40
3	BAHRAICH	BAHRAICH	npp	27.55970	81.73740	4/21/2022	01:47:48	N	1.30
4	BAHRAICH	NANPARA	Terra	28.12700	81.43600	4/21/2022	10:53:23	D	11.30
5	BALRAMPUR	UTRAULA	Terra	27.24200	82.48600	4/21/2022	10:53:23	D	18.00
6	BAREILLY	AONLA	Terra	28.24300	79.17700	4/21/2022	10:53:23	D	7.50
7	BASTI	BASTI	npp	26.71780	82.85920	4/21/2022	01:47:48	N	0.80
8	BASTI	BHANPUR	npp	26.91700	82.78120	4/21/2022	01:47:48	N	1.30
9	BASTI	BHANPUR	npp	26.92030	82.78190	4/21/2022	01:47:48	N	1.30
10	BASTI	BHANPUR	npp	27.06860	82.70690	4/21/2022	01:47:48	N	0.50
11	BASTI	BHANPUR	npp	27.08330	82.65800	4/21/2022	01:47:48	N	2.40
12	BASTI	BHANPUR	Terra	27.08400	82.63000	4/21/2022	10:53:23	D	17.60
13	BASTI	RUDHAULI	npp	27.00850	82.74370	4/21/2022	01:47:48	N	1.00
14	BIJNOR	AFZALGARH	Terra	29.43700	78.68300	4/21/2022	10:53:23	D	5.70
15	BIJNOR	AFZALGARH	Terra	29.43800	78.67300	4/21/2022	10:53:23	D	5.00
16	BIJNOR	BIJNOR	npp	29.51900	78.01720	4/21/2022	12:57:06	D	5.50
17	DEORIA	RUDRAPUR	npp	26.42400	83.53000	4/21/2022	01:47:48	N	5.20
18	DEORIA	RUDRAPUR	npp	26.42460	83.52600	4/21/2022	01:47:48	N	5.20
19	DEORIA	RUDRAPUR	npp	26.42730	83.53070	4/21/2022	01:47:48	N	1.70
20	DEORIA	RUDRAPUR	npp	26.42800	83.52670	4/21/2022	01:47:48	N	1.70
21	DEORIA	RUDRAPUR	npp	26.43200	83.56460	4/21/2022	01:47:48	N	3.60
22	DEORIA	RUDRAPUR	npp	26.43250	83.52650	4/21/2022	12:57:06	D	3.30
23	DEORIA	RUDRAPUR	npp	26.43850	83.52130	4/21/2022	12:57:06	D	18.90
24	DEORIA	RUDRAPUR	npp	26.43910	83.52520	4/21/2022	12:57:06	D	18.90
25	DEORIA	RUDRAPUR	npp	26.43980	83.52910	4/21/2022	12:57:06	D	11.30
26	DEORIA	RUDRAPUR	npp	26.44040	83.53300	4/21/2022	12:57:06	D	11.30
27	DEORIA	RUDRAPUR	npp	26.44250	83.52460	4/21/2022	12:57:06	D	4.40
28	DEORIA	RUDRAPUR	npp	26.44700	83.53170	4/21/2022	12:57:06	D	4.60
29	DEORIA	RUDRAPUR	Terra	26.41400	83.52900	4/21/2022	10:53:23	D	12.70

30	DEORIA	RUDRAPUR	Terra	26.41600	83.51400	4/21/2022	10:53:23	D	36.70
31	DEORIA	RUDRAPUR	Terra	26.41900	83.52100	4/21/2022	10:53:23	D	46.70
32	DEORIA	RUDRAPUR	Terra	26.42200	83.50600	4/21/2022	10:53:23	D	13.70
33	DEORIA	RUDRAPUR	Terra	26.42500	83.53100	4/21/2022	10:53:23	D	31.70
34	DEORIA	RUDRAPUR	Terra	26.42700	83.51700	4/21/2022	10:53:23	D	105.90
35	DEORIA	RUDRAPUR	Terra	26.43000	83.52300	4/21/2022	10:53:23	D	143.90
36	DEORIA	RUDRAPUR	Terra	26.43300	83.50800	4/21/2022	10:53:23	D	44.40
37	DEORIA	RUDRAPUR	Aqua	26.43300	83.52900	4/21/2022	12:27:51	D	90.20
38	DEORIA	RUDRAPUR	Aqua	26.43400	83.53200	4/21/2022	12:27:51	D	82.20
39	DEORIA	RUDRAPUR	Terra	26.43800	83.54000	4/21/2022	10:53:23	D	21.60
40	DEORIA	RUDRAPUR	Terra	26.44100	83.52600	4/21/2022	10:53:23	D	39.90
41	DEORIA	RUDRAPUR	Terra	26.44900	83.54300	4/21/2022	10:53:23	D	32.90
42	DEORIA	RUDRAPUR	Terra	26.45100	83.52800	4/21/2022	10:53:23	D	13.00
43	GORAKHPUR	BANSGAON	npp	26.59930	83.32710	4/21/2022	01:47:48	N	1.10
44	GORAKHPUR	BANSGAON	npp	26.60200	83.33170	4/21/2022	01:47:48	N	0.90
45	GORAKHPUR	BANSGAON	npp	26.60330	83.32380	4/21/2022	01:47:48	N	0.80
46	GORAKHPUR	CHAURI CHAURA	npp	26.50650	83.54250	4/21/2022	01:47:48	N	0.90
47	GORAKHPUR	CHAURI CHAURA	npp	26.50900	83.53980	4/21/2022	12:57:06	D	7.60
48	GORAKHPUR	CHAURI CHAURA	npp	26.51570	83.53850	4/21/2022	12:57:06	D	12.20
49	GORAKHPUR	CHAURI CHAURA	npp	26.51690	83.54630	4/21/2022	12:57:06	D	4.20
50	GORAKHPUR	CHAURI CHAURA	npp	26.51840	83.53400	4/21/2022	12:57:06	D	5.10
51	GORAKHPUR	CHAURI CHAURA	npp	26.51900	83.53790	4/21/2022	12:57:06	D	4.50
52	GORAKHPUR	CHAURI CHAURA	npp	26.52290	83.54110	4/21/2022	12:57:06	D	4.50
53	GORAKHPUR	CHAURI CHAURA	Terra	26.50500	83.54000	4/21/2022	10:53:23	D	42.70
54	GORAKHPUR	CHAURI CHAURA	Terra	26.50700	83.54700	4/21/2022	10:53:23	D	28.70
55	GORAKHPUR	CHAURI CHAURA	Terra	26.51000	83.53200	4/21/2022	10:53:23	D	15.20
56	GORAKHPUR	CHAURI CHAURA	Terra	26.51500	83.54200	4/21/2022	10:53:23	D	30.10
57	GORAKHPUR	CHAURI CHAURA	Terra	26.51800	83.52700	4/21/2022	10:53:23	D	49.40
58	GORAKHPUR	CHAURI CHAURA	Terra	26.51800	83.54900	4/21/2022	10:53:23	D	20.20
59	GORAKHPUR	CHAURI CHAURA	Terra	26.52100	83.53400	4/21/2022	10:53:23	D	67.30
60	GORAKHPUR	GORAKHPUR	npp	26.79820	83.32620	4/21/2022	01:47:48	N	1.70
61	GORAKHPUR	GORAKHPUR	npp	26.79880	83.32230	4/21/2022	01:47:48	N	1.70
62	GORAKHPUR	GORAKHPUR	npp	26.80080	83.33080	4/21/2022	01:47:48	N	1.30

63	GORAKHPUR	GORAKHPUR	npp	26.80150	83.32690	4/21/2022	01:47:48	N	1.30
64	GORAKHPUR	GORAKHPUR	npp	26.81010	83.31650	4/21/2022	01:47:48	N	0.80
65	GORAKHPUR	GORAKHPUR	npp	26.81080	83.31260	4/21/2022	01:47:48	N	1.00
66	GORAKHPUR	GORAKHPUR	npp	26.81140	83.30860	4/21/2022	01:47:48	N	1.00
67	GORAKHPUR	GORAKHPUR	npp	26.81270	83.30080	4/21/2022	01:47:48	N	1.80
68	HARDOI	HARDOI	npp	27.19500	80.24130	4/21/2022	01:47:48	N	2.30
69	HARDOI	HARDOI	npp	27.42630	80.18210	4/21/2022	01:47:48	N	1.10
70	HARDOI	HARDOI	Terra	27.39100	80.42500	4/21/2022	10:53:23	D	9.20
71	JHANSI	MOTH	npp	25.81910	78.88480	4/21/2022	12:57:06	D	6.40
72	KHERI	MOHMADI	npp	27.89150	80.04440	4/21/2022	01:47:48	N	0.60
73	KHERI	MOHMADI	npp	27.89940	80.06310	4/21/2022	01:47:48	N	2.10
74	MAHARAJGANJ	MAHARAJGANJ	npp	26.94640	83.53900	4/21/2022	12:57:06	D	10.10
75	MAHARAJGANJ	MAHARAJGANJ	npp	26.97260	83.58500	4/21/2022	01:47:48	N	0.90
76	MAHARAJGANJ	MAHARAJGANJ	npp	26.99190	83.58020	4/21/2022	01:47:48	N	0.90
77	MAHARAJGANJ	MAHARAJGANJ	npp	26.99630	83.57330	4/21/2022	12:57:06	D	4.20
78	MAHARAJGANJ	MAHARAJGANJ	npp	26.99660	83.57290	4/21/2022	01:47:48	N	1.70
79	MAHARAJGANJ	MAHARAJGANJ	npp	27.00540	83.58760	4/21/2022	12:57:06	D	35.30
80	MAHARAJGANJ	MAHARAJGANJ	npp	27.01270	83.63430	4/21/2022	12:57:06	D	20.30
81	MAHARAJGANJ	MAHARAJGANJ	npp	27.01440	83.63060	4/21/2022	12:57:06	D	43.20
82	MAHARAJGANJ	MAHARAJGANJ	npp	27.03270	83.64640	4/21/2022	01:47:48	N	0.80
83	MAHARAJGANJ	MAHARAJGANJ	npp	27.03740	83.63910	4/21/2022	01:47:48	N	0.60
84	MAHARAJGANJ	MAHARAJGANJ	npp	27.04820	83.63720	4/21/2022	01:47:48	N	0.80
85	MAHARAJGANJ	MAHARAJGANJ	npp	27.05140	83.53510	4/21/2022	01:47:48	N	0.60
86	MAHARAJGANJ	MAHARAJGANJ	npp	27.05540	83.53180	4/21/2022	01:47:48	N	0.70
87	MAHARAJGANJ	MAHARAJGANJ	npp	27.05550	83.63460	4/21/2022	01:47:48	N	3.10
88	MAHARAJGANJ	MAHARAJGANJ	npp	27.05620	83.63060	4/21/2022	01:47:48	N	5.00
89	MAHARAJGANJ	MAHARAJGANJ	npp	27.05740	83.54050	4/21/2022	01:47:48	N	0.80
90	MAHARAJGANJ	MAHARAJGANJ	npp	27.05820	83.59810	4/21/2022	01:47:48	N	0.90
91	MAHARAJGANJ	MAHARAJGANJ	npp	27.05870	83.53250	4/21/2022	01:47:48	N	1.00
92	MAHARAJGANJ	MAHARAJGANJ	npp	27.05890	83.63530	4/21/2022	01:47:48	N	3.10
93	MAHARAJGANJ	MAHARAJGANJ	npp	27.05950	83.63130	4/21/2022	01:47:48	N	5.00
94	MAHARAJGANJ	MAHARAJGANJ	npp	27.06070	83.57740	4/21/2022	12:57:06	D	6.40
95	MAHARAJGANJ	MAHARAJGANJ	npp	27.06410	83.52130	4/21/2022	01:47:48	N	1.10

96	MAHARAJGANJ	MAHARAJGANJ	npp	27.07260	83.46990	4/21/2022	01:47:48	N	0.80
97	MAHARAJGANJ	MAHARAJGANJ	npp	27.07660	83.46660	4/21/2022	01:47:48	N	0.80
98	MAHARAJGANJ	MAHARAJGANJ	npp	27.07670	83.50760	4/21/2022	01:47:48	N	0.80
99	MAHARAJGANJ	MAHARAJGANJ	npp	27.10070	83.56070	4/21/2022	01:47:48	N	0.70
100	MAHARAJGANJ	MAHARAJGANJ	npp	27.10870	83.55420	4/21/2022	01:47:48	N	0.70
101	MAHARAJGANJ	MAHARAJGANJ	npp	27.11540	83.57610	4/21/2022	01:47:48	N	0.60
102	MAHARAJGANJ	MAHARAJGANJ	npp	27.11610	83.57210	4/21/2022	01:47:48	N	0.60
103	MAHARAJGANJ	MAHARAJGANJ	npp	27.17030	83.62050	4/21/2022	01:47:48	N	1.00
104	MAHARAJGANJ	MAHARAJGANJ	npp	27.19730	83.60280	4/21/2022	12:57:06	D	5.70
105	MAHARAJGANJ	MAHARAJGANJ	npp	27.19770	83.60150	4/21/2022	01:47:48	N	1.40
106	MAHARAJGANJ	MAHARAJGANJ	npp	27.20040	83.60620	4/21/2022	01:47:48	N	0.50
107	MAHARAJGANJ	MAHARAJGANJ	npp	27.20180	83.60520	4/21/2022	01:47:48	N	0.90
108	MAHARAJGANJ	MAHARAJGANJ	npp	27.20510	83.60590	4/21/2022	01:47:48	N	0.90
109	MAHARAJGANJ	MAHARAJGANJ	npp	27.20510	83.62650	4/21/2022	01:47:48	N	1.30
110	MAHARAJGANJ	MAHARAJGANJ	npp	27.20850	83.60660	4/21/2022	01:47:48	N	0.90
111	MAHARAJGANJ	MAHARAJGANJ	npp	27.20910	83.62320	4/21/2022	01:47:48	N	1.30
112	MAHARAJGANJ	MAHARAJGANJ	npp	27.21040	83.61520	4/21/2022	01:47:48	N	0.80
113	MAHARAJGANJ	MAHARAJGANJ	npp	27.21150	83.62810	4/21/2022	12:57:06	D	7.50
114	MAHARAJGANJ	MAHARAJGANJ	npp	27.22930	83.59660	4/21/2022	12:57:06	D	3.40
115	MAHARAJGANJ	MAHARAJGANJ	npp	27.24010	83.57830	4/21/2022	12:57:06	D	3.10
116	MAHARAJGANJ	MAHARAJGANJ	npp	27.25920	83.57210	4/21/2022	01:47:48	N	0.80
117	MAHARAJGANJ	MAHARAJGANJ	Terra	26.97400	83.56800	4/21/2022	10:53:23	D	19.00
118	MAHARAJGANJ	NAUTANWA	npp	27.36230	83.40010	4/21/2022	01:47:48	N	1.40
119	MAHARAJGANJ	NAUTANWA	npp	27.37630	83.39890	4/21/2022	01:47:48	N	0.90
120	MAHARAJGANJ	NAUTANWA	npp	27.37900	83.40350	4/21/2022	01:47:48	N	1.00
121	MAHARAJGANJ	NAUTANWA	npp	27.38040	83.43640	4/21/2022	01:47:48	N	1.00
122	MAHARAJGANJ	NAUTANWA	npp	27.38980	83.46290	4/21/2022	01:47:48	N	0.50
123	MAHARAJGANJ	NAUTANWA	npp	27.40420	83.62580	4/21/2022	01:47:48	N	0.70
124	MAHARAJGANJ	NAUTANWA	npp	27.41830	83.45480	4/21/2022	12:57:06	D	35.10
125	MAHARAJGANJ	NAUTANWA	npp	27.41890	83.45870	4/21/2022	12:57:06	D	12.90
126	MAHARAJGANJ	NAUTANWA	npp	27.41950	83.46260	4/21/2022	12:57:06	D	12.90
127	MAHARAJGANJ	NAUTANWA	npp	27.41970	83.45060	4/21/2022	12:57:06	D	9.10
128	MAHARAJGANJ	NAUTANWA	npp	27.42240	83.44600	4/21/2022	12:57:06	D	9.70

129	MAHARAJGANJ	NAUTANWA	npp	27.42570	83.44530	4/21/2022	12:57:06	D	5.00
130	MAHARAJGANJ	NAUTANWA	npp	27.42630	83.44920	4/21/2022	12:57:06	D	3.50
131	MAHARAJGANJ	NAUTANWA	npp	27.42700	83.45320	4/21/2022	12:57:06	D	3.50
132	MAHARAJGANJ	NAUTANWA	npp	27.42970	83.44860	4/21/2022	12:57:06	D	3.50
133	MAHARAJGANJ	NAUTANWA	npp	27.43300	83.45150	4/21/2022	01:47:48	N	0.70
134	MAHARAJGANJ	NAUTANWA	Terra	27.21100	83.43000	4/21/2022	10:53:23	D	15.90
135	MAHARAJGANJ	NAUTANWA	Terra	27.37900	83.40600	4/21/2022	10:53:23	D	28.20
136	MAHARAJGANJ	NAUTANWA	Terra	27.38000	83.52400	4/21/2022	10:53:23	D	26.30
137	MAHARAJGANJ	NAUTANWA	Terra	27.38200	83.50900	4/21/2022	10:53:23	D	51.20
138	MAHARAJGANJ	NAUTANWA	Aqua	27.41200	83.41900	4/21/2022	12:27:51	D	46.40
139	MAHARAJGANJ	NAUTANWA	Terra	27.41500	83.63600	4/21/2022	10:53:23	D	15.80
140	MAHARAJGANJ	NAUTANWA	Aqua	27.42200	83.46400	4/21/2022	12:27:51	D	59.30
141	MAHARAJGANJ	NAUTANWA	Aqua	27.42300	83.45600	4/21/2022	12:27:51	D	57.70
142	MAHARAJGANJ	NICHLAUL	npp	27.25230	83.72040	4/21/2022	12:57:06	D	67.40
143	MAHARAJGANJ	NICHLAUL	npp	27.26000	83.67100	4/21/2022	01:47:48	N	0.60
144	MAHARAJGANJ	NICHLAUL	npp	27.26330	83.67170	4/21/2022	01:47:48	N	0.60
145	MAHARAJGANJ	NICHLAUL	npp	27.29680	83.65810	4/21/2022	01:47:48	N	1.60
146	MAHARAJGANJ	NICHLAUL	npp	27.30010	83.65880	4/21/2022	01:47:48	N	1.60
147	MAHARAJGANJ	NICHLAUL	npp	27.38550	83.69610	4/21/2022	01:47:48	N	1.20
148	MAHARAJGANJ	PHARENDA	npp	27.17250	83.39970	4/21/2022	01:47:48	N	0.80
149	MAHARAJGANJ	PHARENDA	npp	27.25560	83.24410	4/21/2022	12:57:06	D	7.80
150	MAHARAJGANJ	PHARENDA	Terra	27.31100	83.26900	4/21/2022	10:53:23	D	11.10
151	MIRZAPUR	CHUNAR	Terra	25.18900	83.11700	4/21/2022	10:53:23	D	13.40
152	MIRZAPUR	CHUNAR	Terra	25.19200	83.12300	4/21/2022	10:53:23	D	16.50
153	PILHIBHIT	PILHIBHIT	npp	28.67820	79.68460	4/21/2022	12:57:06	D	10.90
154	PILHIBHIT	PILHIBHIT	npp	28.68930	79.68200	4/21/2022	12:57:06	D	31.30
155	PILHIBHIT	PILHIBHIT	npp	28.69020	79.68700	4/21/2022	12:57:06	D	16.00
156	PILHIBHIT	PILHIBHIT	npp	28.84060	79.69850	4/21/2022	01:47:48	N	0.70
157	RAMPUR	SUAR	Terra	29.03500	79.04900	4/21/2022	10:53:23	D	8.70
158	RAMPUR	TANDA	npp	29.03910	78.95740	4/21/2022	01:47:48	N	0.70
159	RAMPUR	TANDA	Terra	29.03700	79.03900	4/21/2022	10:53:23	D	11.10
160	SANTKABIRNAGAR	KHALILABAD	npp	26.86410	82.92380	4/21/2022	01:47:48	N	2.50
161	SANTKABIRNAGAR	MEHDawal	npp	27.09350	83.05230	4/21/2022	01:47:48	N	1.80

162	SANTKABIRNAGAR	MEHDAWAL	npp	27.09680	83.05290	4/21/2022	01:47:48	N	1.00
163	SANTKABIRNAGAR	MEHDAWAL	Terra	27.07600	83.08500	4/21/2022	10:53:23	D	20.40
164	SANTKABIRNAGAR	MEHDAWAL	Terra	27.07800	83.07200	4/21/2022	10:53:23	D	86.30
165	SHAHJAHANPUR	PUWANYA	npp	28.14690	80.13910	4/21/2022	01:47:48	N	0.60
166	SHAHJAHANPUR	PUWANYA	npp	28.18280	80.29920	4/21/2022	01:47:48	N	3.10
167	SHAHJAHANPUR	TILHAR	npp	28.13660	79.70950	4/21/2022	12:57:06	D	9.70
168	SIDDHARTHANAGAR	BANSI	npp	27.11530	82.85590	4/21/2022	01:47:48	N	0.90
169	SIDDHARTHANAGAR	BANSI	npp	27.12220	82.81320	4/21/2022	01:47:48	N	1.10
170	SIDDHARTHANAGAR	BANSI	npp	27.12540	82.79390	4/21/2022	01:47:48	N	3.90
171	SIDDHARTHANAGAR	BANSI	npp	27.12550	82.81390	4/21/2022	01:47:48	N	1.10
172	SIDDHARTHANAGAR	BANSI	npp	27.12600	82.79000	4/21/2022	01:47:48	N	3.90
173	SIDDHARTHANAGAR	BANSI	npp	27.12660	82.78610	4/21/2022	01:47:48	N	4.10
174	SIDDHARTHANAGAR	BANSI	npp	27.12690	82.82620	4/21/2022	01:47:48	N	0.70
175	SIDDHARTHANAGAR	BANSI	npp	27.12800	82.79840	4/21/2022	01:47:48	N	0.90
176	SIDDHARTHANAGAR	BANSI	npp	27.12870	82.79450	4/21/2022	01:47:48	N	3.90
177	SIDDHARTHANAGAR	BANSI	npp	27.20040	82.83700	4/21/2022	01:47:48	N	1.10
178	SIDDHARTHANAGAR	BANSI	Aqua	27.12100	82.80200	4/21/2022	01:34:42	N	14.90
179	SIDDHARTHANAGAR	DOMARIYAGANJ	npp	27.12650	82.62280	4/21/2022	01:47:48	N	1.50
180	SIDDHARTHANAGAR	DOMARIYAGANJ	npp	27.15310	82.78080	4/21/2022	12:57:06	D	13.60
181	SIDDHARTHANAGAR	DOMARIYAGANJ	npp	27.22490	82.64210	4/21/2022	01:47:48	N	1.10
182	SIDDHARTHANAGAR	DOMARIYAGANJ	npp	27.24680	82.67360	4/21/2022	01:47:48	N	0.90
183	SIDDHARTHANAGAR	DOMARIYAGANJ	npp	27.25010	82.67420	4/21/2022	01:47:48	N	0.90
184	SIDDHARTHANAGAR	DOMARIYAGANJ	npp	27.25690	82.63170	4/21/2022	01:47:48	N	0.80
185	SIDDHARTHANAGAR	DOMARIYAGANJ	npp	27.25960	82.63620	4/21/2022	01:47:48	N	0.60
186	SIDDHARTHANAGAR	DOMARIYAGANJ	npp	27.28250	82.55710	4/21/2022	01:47:48	N	0.80
187	SIDDHARTHANAGAR	ITWA	npp	27.31300	82.57910	4/21/2022	01:47:48	N	1.30
188	SIDDHARTHANAGAR	ITWA	npp	27.34290	82.87600	4/21/2022	01:47:48	N	0.30
189	SIDDHARTHANAGAR	ITWA	npp	27.35250	82.83790	4/21/2022	01:47:48	N	0.40
190	SIDDHARTHANAGAR	ITWA	npp	27.35580	82.83850	4/21/2022	01:47:48	N	0.50
191	SIDDHARTHANAGAR	NAUGARH	npp	27.30820	83.25590	4/21/2022	01:47:48	N	0.50
192	SIDDHARTHANAGAR	NAUGARH	npp	27.30890	83.25200	4/21/2022	01:47:48	N	0.50
193	SIDDHARTHANAGAR	SHOHRATGARH	npp	27.38130	83.06070	4/21/2022	01:47:48	N	0.70
194	SIDDHARTHANAGAR	SHOHRATGARH	Terra	27.47200	82.82400	4/21/2022	10:53:23	D	18.50

195	SIDDHARTHANAGAR	SHOHRATGARH	Terra	27.47400	82.81100	4/21/2022	10:53:23	D	33.50
196	SIDDHARTHANAGAR	SHOHRATGARH	Terra	27.47400	82.81900	4/21/2022	10:53:23	D	25.60
197	SONBHADRA	DUDHI	npp	23.92470	83.15180	4/21/2022	12:57:06	D	4.70
198	SONBHADRA	DUDHI	npp	23.92810	83.15110	4/21/2022	12:57:06	D	4.70
199	SONBHADRA	REBUTSHGANJ	npp	24.72610	83.03640	4/21/2022	01:47:48	N	0.60
200	SONBHADRA	REBUTSHGANJ	npp	24.73750	83.03060	4/21/2022	01:47:48	N	0.80
201	SONBHADRA	REBUTSHGANJ	npp	24.74080	83.04460	4/21/2022	12:57:06	D	9.80
202	SULTANPUR	AMETHI	npp	26.12320	82.04490	4/21/2022	01:47:48	N	1.70



## Details of wheat residue burning events in Madhya Pradesh on 21-Apr-2022

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_DATE	ACQ_TIME	Day / Night	Fire Power (W/m <sup>2</sup> )
1	ASHOKNAGAR	ASHOKNAGAR	npp	24.64840	77.54540	4/21/2022	01:47:48	N	1.70
2	ASHOKNAGAR	ASHOKNAGAR	npp	24.77040	77.58140	4/21/2022	01:47:48	N	3.80
3	ASHOKNAGAR	ASHOKNAGAR	npp	24.77410	77.58200	4/21/2022	01:47:48	N	4.10
4	ASHOKNAGAR	ASHOKNAGAR	npp	24.81210	77.56350	4/21/2022	12:57:06	D	4.20
5	ASHOKNAGAR	ISAGARH	npp	24.71920	77.71540	4/21/2022	01:47:48	N	1.40
6	ASHOKNAGAR	MUNGAOLI	npp	24.32540	78.08780	4/21/2022	01:47:48	N	1.00
7	ASHOKNAGAR	MUNGAOLI	npp	24.34340	77.92790	4/21/2022	01:47:48	N	0.70
8	ASHOKNAGAR	MUNGAOLI	npp	24.35410	77.98570	4/21/2022	01:47:48	N	0.50
9	ASHOKNAGAR	MUNGAOLI	npp	24.35620	78.05110	4/21/2022	01:47:48	N	0.40
10	ASHOKNAGAR	MUNGAOLI	npp	24.35640	78.05320	4/21/2022	01:47:48	N	0.40
11	ASHOKNAGAR	MUNGAOLI	npp	24.36050	77.90340	4/21/2022	12:57:06	D	7.50
12	ASHOKNAGAR	MUNGAOLI	npp	24.36390	77.89760	4/21/2022	12:57:06	D	7.50
13	ASHOKNAGAR	MUNGAOLI	npp	24.36490	77.90230	4/21/2022	12:57:06	D	19.70
14	ASHOKNAGAR	MUNGAOLI	npp	24.36580	77.92680	4/21/2022	01:47:48	N	1.40
15	ASHOKNAGAR	MUNGAOLI	npp	24.48500	77.83920	4/21/2022	01:47:48	N	2.20
16	ASHOKNAGAR	MUNGAOLI	npp	24.48560	77.83460	4/21/2022	01:47:48	N	2.00
17	BETUL	MULTAI	npp	21.68060	78.22550	4/21/2022	12:57:06	D	6.90
18	BETUL	MULTAI	npp	21.68130	78.22320	4/21/2022	12:57:06	D	8.50
19	BHOPAL	BERASIYA	npp	23.56510	77.36230	4/21/2022	01:47:48	N	1.50
20	BHOPAL	BERASIYA	npp	23.68720	77.61180	4/21/2022	01:47:48	N	10.10
21	BHOPAL	BERASIYA	npp	23.71040	77.57740	4/21/2022	01:47:48	N	2.10
22	BHOPAL	HUZUR	npp	23.16020	77.52690	4/21/2022	01:47:48	N	1.30
23	BHOPAL	HUZUR	npp	23.16390	77.52750	4/21/2022	01:47:48	N	1.30
24	BHOPAL	HUZUR	npp	23.19400	77.29850	4/21/2022	01:47:48	N	1.00
25	BURHANPUR	BURHANPUR	npp	21.29620	76.35770	4/21/2022	12:57:06	D	2.40
26	CHHATARPUR	CHHATARPUR	npp	24.90520	79.53740	4/21/2022	01:47:48	N	0.70
27	CHHATARPUR	CHHATARPUR	npp	24.90530	79.53870	4/21/2022	01:47:48	N	0.80
28	CHHATARPUR	RAJNAGAR	npp	24.85100	79.76880	4/21/2022	01:47:48	N	0.80
29	CHHINDWARA	CHAURAI	npp	22.02280	79.11150	4/21/2022	12:57:06	D	6.40

30	CHHINDWARA	CHAURAI	npp	22.05230	79.28570	4/21/2022	01:47:48	N	1.10
31	CHHINDWARA	CHAURAI	npp	22.05460	79.27020	4/21/2022	01:47:48	N	0.60
32	CHHINDWARA	CHAURAI	npp	22.13360	79.20390	4/21/2022	01:47:48	N	1.00
33	CHHINDWARA	CHAURAI	npp	22.13700	79.20450	4/21/2022	01:47:48	N	1.00
34	CHHINDWARA	CHHINDWARA	npp	21.96460	79.05250	4/21/2022	01:47:48	N	2.60
35	CHHINDWARA	CHHINDWARA	npp	22.00370	78.97460	4/21/2022	01:47:48	N	0.60
36	CHHINDWARA	CHHINDWARA	npp	22.13060	79.01080	4/21/2022	01:47:48	N	2.60
37	CHHINDWARA	PARASIA	npp	22.18270	78.86940	4/21/2022	01:47:48	N	1.00
38	DAMOH	DAMOH	npp	23.88600	79.55080	4/21/2022	01:47:48	N	0.60
39	DAMOH	JABERA	npp	23.58880	79.86650	4/21/2022	01:47:48	N	0.50
40	DAMOH	PATERA	npp	23.78710	79.79280	4/21/2022	01:47:48	N	0.50
41	DAMOH	PATHARIA	npp	23.98370	79.15530	4/21/2022	12:57:06	D	5.20
42	DAMOH	PATHARIA	npp	24.00170	79.30270	4/21/2022	01:47:48	N	1.60
43	DATIA	DATIA	npp	25.70860	78.28990	4/21/2022	01:47:48	N	1.20
44	DEWAS	DEWAS	npp	22.92070	76.19180	4/21/2022	01:47:48	N	10.50
45	DEWAS	DEWAS	npp	22.92140	76.18640	4/21/2022	01:47:48	N	10.50
46	DEWAS	DEWAS	npp	22.92530	76.18700	4/21/2022	01:47:48	N	6.00
47	DEWAS	DEWAS	npp	23.18120	75.98780	4/21/2022	01:47:48	N	1.30
48	DINDORI	DINDORI	npp	23.22750	80.95570	4/21/2022	01:47:48	N	1.10
49	DINDORI	DINDORI	npp	23.23080	80.95630	4/21/2022	01:47:48	N	1.10
50	EAST NIMAR	KHANDWA	npp	21.71600	76.51160	4/21/2022	12:57:06	D	4.30
51	GUNA	ARON	npp	24.37300	77.53530	4/21/2022	01:47:48	N	1.40
52	GUNA	ARON	npp	24.48610	77.46110	4/21/2022	01:47:48	N	0.40
53	GUNA	GUNA	npp	24.66890	77.11660	4/21/2022	01:47:48	N	3.10
54	GUNA	GUNA	npp	24.67930	77.06610	4/21/2022	01:47:48	N	8.00
55	GUNA	GUNA	npp	24.69270	77.05250	4/21/2022	01:47:48	N	2.90
56	GUNA	GUNA	npp	24.71790	77.47150	4/21/2022	12:57:06	D	11.00
57	GUNA	GUNA	npp	24.72130	77.46540	4/21/2022	12:57:06	D	11.20
58	GUNA	GUNA	npp	24.72240	77.47040	4/21/2022	12:57:06	D	11.20
59	GUNA	GUNA	npp	24.76480	77.53590	4/21/2022	01:47:48	N	1.80
60	GUNA	GUNA	npp	24.86960	76.95060	4/21/2022	01:47:48	N	1.30
61	GWALIOR	DABRA	npp	25.82980	78.27390	4/21/2022	01:47:48	N	0.80
62	HARDA	HARDA	npp	22.38580	76.91120	4/21/2022	12:57:06	D	12.70

63	HARDA	HARDA	npp	22.38730	76.91030	4/21/2022	12:57:06	D	10.70
64	HARDA	HARDA	Terra	22.45800	77.05900	4/21/2022	10:53:23	D	22.80
65	HARDA	HARDA	Terra	22.45900	77.05000	4/21/2022	10:53:23	D	21.00
66	HARDA	KHIRKIYAN	npp	22.02300	77.13020	4/21/2022	12:57:06	D	6.40
67	INDORE	INDORE	npp	22.71430	75.96480	4/21/2022	01:47:48	N	7.70
68	INDORE	INDORE	npp	22.72410	76.01630	4/21/2022	01:47:48	N	4.70
69	JABALPUR	JABALPUR	npp	22.99560	79.92990	4/21/2022	01:47:48	N	1.10
70	JABALPUR	JABALPUR	npp	23.01090	79.89730	4/21/2022	01:47:48	N	1.30
71	JABALPUR	JABALPUR	npp	23.06390	80.01130	4/21/2022	01:47:48	N	0.40
72	JABALPUR	PATAN	npp	23.25890	79.85530	4/21/2022	01:47:48	N	0.70
73	JABALPUR	PATAN	npp	23.27290	79.83010	4/21/2022	01:47:48	N	0.40
74	JABALPUR	PATAN	npp	23.27350	79.82620	4/21/2022	01:47:48	N	0.40
75	JABALPUR	PATAN	npp	23.30410	79.71240	4/21/2022	01:47:48	N	0.90
76	JABALPUR	SIHORA	npp	23.38450	80.08520	4/21/2022	01:47:48	N	0.60
77	JABALPUR	SIHORA	npp	23.39350	80.18470	4/21/2022	01:47:48	N	1.20
78	KATNI	BAHURIBAND	npp	23.61170	80.03680	4/21/2022	01:47:48	N	0.70
79	MANDLA	NIWAS	npp	23.05170	80.25080	4/21/2022	01:47:48	N	0.90
80	MANDSAUR	MALHARGARH	npp	24.26770	75.06540	4/21/2022	12:57:06	D	3.40
81	MANDSAUR	MALHARGARH	npp	24.28850	74.97080	4/21/2022	12:57:06	D	3.30
82	MANDSAUR	MALHARGARH	npp	24.29300	74.96580	4/21/2022	12:57:06	D	3.30
83	MANDSAUR	MALHARGARH	npp	24.31560	75.16410	4/21/2022	12:57:06	D	3.60
84	MANDSAUR	MALHARGARH	npp	24.31650	75.16160	4/21/2022	12:57:06	D	2.60
85	MANDSAUR	MALHARGARH	npp	24.34370	75.01750	4/21/2022	12:57:06	D	2.10
86	MANDSAUR	MANDSAUR	npp	24.05700	75.12650	4/21/2022	12:57:06	D	17.80
87	MANDSAUR	MANDSAUR	npp	24.07800	74.96050	4/21/2022	14:37:23	D	15.00
88	RAISEN	BAGAMGANJ	npp	23.56690	78.29400	4/21/2022	01:47:48	N	0.50
89	RAISEN	BAGAMGANJ	npp	23.56780	78.29150	4/21/2022	01:47:48	N	0.90
90	RAISEN	BAGAMGANJ	npp	23.57040	78.29460	4/21/2022	01:47:48	N	0.50
91	RAISEN	BAGAMGANJ	npp	23.57140	78.29210	4/21/2022	01:47:48	N	0.90
92	RAISEN	BAGAMGANJ	npp	23.62470	78.32120	4/21/2022	01:47:48	N	0.90
93	RAISEN	BAGAMGANJ	npp	23.62470	78.34760	4/21/2022	01:47:48	N	1.60
94	RAISEN	BAGAMGANJ	npp	23.62530	78.31680	4/21/2022	01:47:48	N	2.10
95	RAISEN	BAGAMGANJ	npp	23.62890	78.31740	4/21/2022	01:47:48	N	0.50

96	RAISEN	BAGAMGANJ	npp	23.64770	78.33810	4/21/2022	01:47:48	N	1.70
97	RAISEN	GAIRATGANJ	npp	23.32620	78.08630	4/21/2022	01:47:48	N	2.20
98	RAISEN	GAIRATGANJ	npp	23.33160	78.01970	4/21/2022	01:47:48	N	1.00
99	RAISEN	GAIRATGANJ	npp	23.34700	78.09420	4/21/2022	01:47:48	N	2.00
100	RAISEN	GAIRATGANJ	npp	23.35050	78.09470	4/21/2022	01:47:48	N	1.30
101	RAISEN	GAIRATGANJ	npp	23.42140	78.04570	4/21/2022	01:47:48	N	0.80
102	RAISEN	GAIRATGANJ	npp	23.43270	78.04300	4/21/2022	01:47:48	N	0.60
103	RAISEN	GOHARGANJ	npp	22.98940	77.55580	4/21/2022	01:47:48	N	2.00
104	RAISEN	GOHARGANJ	npp	22.99790	77.54780	4/21/2022	01:47:48	N	4.40
105	RAISEN	GOHARGANJ	npp	22.99880	77.65040	4/21/2022	01:47:48	N	1.90
106	RAISEN	GOHARGANJ	npp	23.08250	77.58310	4/21/2022	01:47:48	N	6.00
107	RAISEN	GOHARGANJ	npp	23.14860	77.64230	4/21/2022	01:47:48	N	1.10
108	RAISEN	GOHARGANJ	npp	23.22390	77.60740	4/21/2022	01:47:48	N	2.10
109	RAISEN	GOHARGANJ	Terra	22.98300	77.63500	4/21/2022	10:53:23	D	22.30
110	RAISEN	GOHARGANJ	Terra	22.98600	77.61500	4/21/2022	10:53:23	D	13.00
111	RAISEN	GOHARGANJ	Terra	22.99400	77.62600	4/21/2022	10:53:23	D	10.70
112	RAISEN	RAISEN	npp	23.23640	77.76520	4/21/2022	01:47:48	N	1.90
113	RAISEN	RAISEN	npp	23.24790	77.75020	4/21/2022	12:57:06	D	4.90
114	RAISEN	RAISEN	npp	23.24850	77.75790	4/21/2022	01:47:48	N	3.40
115	RAISEN	RAISEN	npp	23.25040	77.73890	4/21/2022	12:57:06	D	25.20
116	RAISEN	RAISEN	npp	23.25140	77.74400	4/21/2022	12:57:06	D	25.20
117	RAISEN	RAISEN	npp	23.25490	77.73780	4/21/2022	12:57:06	D	25.20
118	RAISEN	RAISEN	npp	23.25560	77.83380	4/21/2022	12:57:06	D	10.00
119	RAISEN	RAISEN	npp	23.25600	77.74290	4/21/2022	12:57:06	D	25.20
120	RAISEN	RAISEN	npp	23.25670	77.83890	4/21/2022	12:57:06	D	10.00
121	RAISEN	RAISEN	npp	23.27870	77.72570	4/21/2022	01:47:48	N	3.60
122	RAISEN	RAISEN	npp	23.28230	77.72630	4/21/2022	01:47:48	N	3.60
123	RAISEN	RAISEN	npp	23.28290	77.72170	4/21/2022	01:47:48	N	3.60
124	RAISEN	RAISEN	npp	23.28720	77.71780	4/21/2022	01:47:48	N	1.90
125	RAISEN	RAISEN	npp	23.29440	77.71890	4/21/2022	01:47:48	N	1.60
126	RAISEN	RAISEN	npp	23.31780	77.97570	4/21/2022	12:57:06	D	7.40
127	RAISEN	RAISEN	npp	23.32030	77.94090	4/21/2022	01:47:48	N	1.40
128	RAISEN	RAISEN	npp	23.34920	77.69690	4/21/2022	01:47:48	N	2.40

129	RAISEN	RAISEN	npp	23.35280	77.69750	4/21/2022	01:47:48	N	2.10
130	RAISEN	RAISEN	npp	23.35590	77.70260	4/21/2022	01:47:48	N	2.50
131	RAISEN	RAISEN	npp	23.35940	77.78680	4/21/2022	01:47:48	N	2.00
132	RAISEN	RAISEN	npp	23.40030	77.59260	4/21/2022	01:47:48	N	1.40
133	RAISEN	RAISEN	npp	23.44100	77.62250	4/21/2022	01:47:48	N	1.60
134	RAISEN	RAISEN	npp	23.44470	77.62310	4/21/2022	01:47:48	N	1.60
135	RAISEN	RAISEN	npp	23.45210	77.79000	4/21/2022	01:47:48	N	1.50
136	RAISEN	RAISEN	npp	23.45570	77.79060	4/21/2022	01:47:48	N	1.20
137	RAISEN	RAISEN	npp	23.46780	77.78320	4/21/2022	01:47:48	N	1.40
138	RAISEN	RAISEN	npp	23.46910	77.60560	4/21/2022	01:47:48	N	7.40
139	RAISEN	RAISEN	npp	23.46970	77.60100	4/21/2022	01:47:48	N	6.80
140	RAISEN	RAISEN	npp	23.47870	77.70110	4/21/2022	01:47:48	N	2.50
141	RAISEN	RAISEN	npp	23.48290	77.75310	4/21/2022	01:47:48	N	5.00
142	RAISEN	RAISEN	npp	23.48350	77.74850	4/21/2022	01:47:48	N	5.00
143	RAISEN	RAISEN	npp	23.48650	77.75360	4/21/2022	01:47:48	N	5.00
144	RAISEN	RAISEN	npp	23.48720	77.74910	4/21/2022	01:47:48	N	5.00
145	RATLAM	PIPLODA	Aqua	23.59300	74.89400	4/21/2022	14:05:06	D	21.80
146	RATLAM	PIPLODA	Aqua	23.63500	74.98900	4/21/2022	14:05:06	D	16.00
147	REWA	HUZUR	npp	24.52900	81.16830	4/21/2022	01:47:48	N	1.20
148	SAGAR	BINA	npp	24.15650	78.21380	4/21/2022	01:47:48	N	1.70
149	SAGAR	BINA	npp	24.20910	78.17680	4/21/2022	01:47:48	N	0.50
150	SAGAR	BINA	npp	24.27440	78.11180	4/21/2022	01:47:48	N	2.50
151	SAGAR	BINA	npp	24.27500	78.10730	4/21/2022	01:47:48	N	2.50
152	SAGAR	BINA	npp	24.29420	78.10120	4/21/2022	01:47:48	N	0.60
153	SAGAR	KHURAI	npp	24.09030	78.38960	4/21/2022	01:47:48	N	0.30
154	SAGAR	KHURAI	npp	24.09300	78.38790	4/21/2022	01:47:48	N	0.40
155	SAGAR	KHURAI	npp	24.13920	78.28790	4/21/2022	01:47:48	N	0.30
156	SAGAR	KHURAI	npp	24.13920	78.31490	4/21/2022	01:47:48	N	0.50
157	SAGAR	KHURAI	npp	24.14160	78.32430	4/21/2022	01:47:48	N	0.70
158	SAGAR	RAHAT GARH	npp	23.68490	78.35090	4/21/2022	01:47:48	N	0.80
159	SAGAR	SAGAR	npp	23.68530	78.60900	4/21/2022	01:47:48	N	0.80
160	SAGAR	SAGAR	npp	23.75230	78.48950	4/21/2022	01:47:48	N	0.90
161	SAGAR	SAGAR	npp	23.75290	78.48530	4/21/2022	01:47:48	N	1.10

162	SAGAR	SAGAR	npp	23.75580	78.49010	4/21/2022	01:47:48	N	1.80
163	SAGAR	SAGAR	npp	23.75620	78.48850	4/21/2022	01:47:48	N	2.30
164	SAGAR	SAGAR	npp	23.75640	78.48580	4/21/2022	01:47:48	N	2.10
165	SAGAR	SAGAR	npp	23.75720	78.84220	4/21/2022	01:47:48	N	1.90
166	SATNA	AMARPATAN	npp	24.32360	80.94110	4/21/2022	01:47:48	N	0.70
167	SATNA	MAIHAR	npp	24.11320	80.83430	4/21/2022	01:47:48	N	1.20
168	SATNA	NAGOD	npp	24.52900	80.63370	4/21/2022	01:47:48	N	0.90
169	SATNA	NAGOD	npp	24.60200	80.67050	4/21/2022	01:47:48	N	1.00
170	SATNA	NAGOD	npp	24.60260	80.66660	4/21/2022	01:47:48	N	1.00
171	SATNA	NAGOD	npp	24.60650	80.66340	4/21/2022	01:47:48	N	0.80
172	SATNA	NAGOD	npp	24.60980	80.66400	4/21/2022	01:47:48	N	0.80
173	SATNA	NAGOD	npp	24.61310	80.66460	4/21/2022	01:47:48	N	2.80
174	SATNA	R>MPURBAGHLEAN	npp	24.37970	80.96990	4/21/2022	01:47:48	N	0.90
175	SATNA	RAGUR>JNAGAR	npp	24.64990	80.75260	4/21/2022	01:47:48	N	0.40
176	SATNA	RAGUR>JNAGAR	npp	24.66490	80.90010	4/21/2022	01:47:48	N	0.60
177	SATNA	RAGUR>JNAGAR	npp	24.67860	80.92220	4/21/2022	01:47:48	N	0.50
178	SATNA	UCHAHAR	npp	24.52840	80.63750	4/21/2022	01:47:48	N	0.60
179	SATNA	UCHAHAR	npp	24.53180	80.63820	4/21/2022	01:47:48	N	0.60
180	SEHORE	SEHORE	npp	23.38540	77.12440	4/21/2022	01:47:48	N	0.80
181	SEHORE	SEHORE	npp	23.41610	77.15550	4/21/2022	01:47:48	N	0.80
182	SEHORE	SEHORE	npp	23.43870	77.06930	4/21/2022	01:47:48	N	1.40
183	SEHORE	SEHORE	npp	23.49410	77.14260	4/21/2022	01:47:48	N	1.30
184	SEONI	GHANSAUR	npp	22.37670	79.85280	4/21/2022	01:47:48	N	1.30
185	SEONI	GHANSAUR	npp	22.38170	79.84200	4/21/2022	01:47:48	N	1.50
186	SEONI	GHANSAUR	npp	22.38230	79.83820	4/21/2022	01:47:48	N	1.30
187	SEONI	GHANSAUR	npp	22.38450	79.84640	4/21/2022	01:47:48	N	1.50
188	SEONI	GHANSAUR	npp	22.38500	79.84260	4/21/2022	01:47:48	N	1.50
189	SEONI	GHANSAUR	npp	22.38560	79.83880	4/21/2022	01:47:48	N	1.30
190	SEONI	GHANSAUR	npp	22.38900	79.83940	4/21/2022	01:47:48	N	0.80
191	SEONI	GHANSAUR	npp	22.38950	79.83560	4/21/2022	01:47:48	N	0.80
192	SEONI	GHANSAUR	npp	22.39230	79.84000	4/21/2022	01:47:48	N	0.80
193	SEONI	GHANSAUR	npp	22.42500	79.68940	4/21/2022	01:47:48	N	0.70
194	SEONI	GHANSAUR	npp	22.43560	79.68730	4/21/2022	01:47:48	N	4.00

195	SEONI	GHANSAUR	npp	22.43620	79.68350	4/21/2022	01:47:48	N	9.90
196	SEONI	GHANSAUR	npp	22.43960	79.68410	4/21/2022	01:47:48	N	0.30
197	SEONI	GHANSAUR	npp	22.51190	79.90300	4/21/2022	01:47:48	N	2.10
198	SEONI	GHANSAUR	Terra	22.39000	79.85600	4/21/2022	10:53:23	D	31.40
199	SEONI	GHANSAUR	Terra	22.39100	79.84500	4/21/2022	10:53:23	D	65.30
200	SEONI	KEWLARI	npp	22.27510	79.90200	4/21/2022	01:47:48	N	2.00
201	SEONI	KEWLARI	npp	22.27840	79.90260	4/21/2022	01:47:48	N	1.30
202	SEONI	KEWLARI	npp	22.28430	79.90670	4/21/2022	12:57:06	D	13.20
203	SEONI	KEWLARI	npp	22.28840	79.90440	4/21/2022	01:47:48	N	0.90
204	SEONI	KEWLARI	npp	22.28910	79.90980	4/21/2022	12:57:06	D	6.10
205	SEONI	KEWLARI	npp	22.29170	79.90490	4/21/2022	01:47:48	N	2.10
206	SEONI	KEWLARI	npp	22.29230	79.90120	4/21/2022	01:47:48	N	0.70
207	SEONI	KEWLARI	npp	22.29710	79.80090	4/21/2022	01:47:48	N	1.20
208	SEONI	KEWLARI	npp	22.29900	79.90230	4/21/2022	01:47:48	N	0.50
209	SEONI	KEWLARI	npp	22.31440	79.86320	4/21/2022	12:57:06	D	54.30
210	SEONI	KEWLARI	npp	22.31510	79.86710	4/21/2022	12:57:06	D	23.50
211	SEONI	KEWLARI	npp	22.33670	79.76490	4/21/2022	01:47:48	N	1.20
212	SEONI	KEWLARI	npp	22.33680	79.90110	4/21/2022	01:47:48	N	1.30
213	SEONI	KEWLARI	npp	22.33950	79.76930	4/21/2022	01:47:48	N	1.90
214	SEONI	KEWLARI	npp	22.34010	79.76550	4/21/2022	01:47:48	N	1.90
215	SEONI	KEWLARI	npp	22.34110	79.89840	4/21/2022	12:57:06	D	17.00
216	SEONI	KEWLARI	npp	22.34210	79.89800	4/21/2022	12:57:06	D	15.30
217	SEONI	KEWLARI	npp	22.34280	79.90190	4/21/2022	12:57:06	D	8.30
218	SEONI	KEWLARI	npp	22.34290	79.90610	4/21/2022	01:47:48	N	1.40
219	SEONI	KEWLARI	npp	22.34680	79.74330	4/21/2022	01:47:48	N	1.00
220	SEONI	KEWLARI	npp	22.35020	79.74380	4/21/2022	01:47:48	N	1.00
221	SEONI	KEWLARI	npp	22.35070	79.74000	4/21/2022	01:47:48	N	1.90
222	SEONI	KEWLARI	npp	22.35240	79.75200	4/21/2022	01:47:48	N	0.70
223	SEONI	KEWLARI	npp	22.35350	79.76780	4/21/2022	01:47:48	N	2.00
224	SEONI	KEWLARI	npp	22.35400	79.76400	4/21/2022	01:47:48	N	1.20
225	SEONI	KEWLARI	npp	22.35410	79.74060	4/21/2022	01:47:48	N	1.90
226	SEONI	KEWLARI	npp	22.35470	79.73680	4/21/2022	01:47:48	N	1.90
227	SEONI	KEWLARI	npp	22.35630	79.74880	4/21/2022	01:47:48	N	0.70

228	SEONI	KEWLARI	npp	22.35660	79.81510	4/21/2022	01:47:48	N	0.90
229	SEONI	KEWLARI	npp	22.35960	79.77280	4/21/2022	01:47:48	N	2.70
230	SEONI	KEWLARI	npp	22.37240	79.99570	4/21/2022	01:47:48	N	2.10
231	SEONI	KEWLARI	npp	22.37360	79.96490	4/21/2022	01:47:48	N	0.40
232	SEONI	KEWLARI	npp	22.37460	80.00380	4/21/2022	01:47:48	N	0.70
233	SEONI	KEWLARI	npp	22.37510	80.00010	4/21/2022	01:47:48	N	2.10
234	SEONI	KEWLARI	npp	22.37800	79.98120	4/21/2022	01:47:48	N	0.80
235	SEONI	KEWLARI	npp	22.37970	79.75280	4/21/2022	01:47:48	N	2.20
236	SEONI	KEWLARI	npp	22.38030	79.74900	4/21/2022	01:47:48	N	2.20
237	SEONI	KEWLARI	npp	22.38130	79.98180	4/21/2022	01:47:48	N	2.80
238	SEONI	KEWLARI	npp	22.42630	79.97800	4/21/2022	01:47:48	N	1.60
239	SEONI	KEWLARI	npp	22.50980	80.00740	4/21/2022	01:47:48	N	1.90
240	SEONI	KEWLARI	Terra	22.28200	79.89500	4/21/2022	10:53:23	D	18.50
241	SEONI	KEWLARI	Terra	22.34400	79.90200	4/21/2022	10:53:23	D	27.20
242	SEONI	KEWLARI	Terra	22.35700	79.76400	4/21/2022	10:53:23	D	28.70
243	SEONI	KEWLARI	Terra	22.38100	79.97300	4/21/2022	10:53:23	D	25.50
244	SEONI	LAKHNADOU	npp	22.34190	79.45160	4/21/2022	01:47:48	N	1.20
245	SEONI	LAKHNADOU	npp	22.36260	79.47490	4/21/2022	01:47:48	N	2.30
246	SEONI	LAKHNADOU	npp	22.37250	79.57130	4/21/2022	01:47:48	N	2.40
247	SEONI	LAKHNADOU	npp	22.37360	79.56360	4/21/2022	01:47:48	N	1.70
248	SEONI	LAKHNADOU	npp	22.37700	79.56420	4/21/2022	01:47:48	N	1.40
249	SEONI	LAKHNADOU	npp	22.37760	79.56030	4/21/2022	01:47:48	N	1.40
250	SEONI	LAKHNADOU	npp	22.38390	79.49440	4/21/2022	01:47:48	N	1.10
251	SEONI	LAKHNADOU	npp	22.40660	79.65090	4/21/2022	01:47:48	N	0.60
252	SEONI	LAKHNADOU	npp	22.42510	79.61870	4/21/2022	01:47:48	N	2.00
253	SEONI	LAKHNADOU	npp	22.42570	79.61490	4/21/2022	01:47:48	N	2.00
254	SEONI	LAKHNADOU	npp	22.45960	79.43120	4/21/2022	01:47:48	N	2.70
255	SEONI	LAKHNADOU	npp	22.46020	79.42730	4/21/2022	01:47:48	N	4.30
256	SEONI	LAKHNADOU	npp	22.47830	79.63180	4/21/2022	01:47:48	N	0.60
257	SEONI	LAKHNADOU	npp	22.47890	79.62800	4/21/2022	01:47:48	N	1.30
258	SEONI	LAKHNADOU	npp	22.80490	79.66640	4/21/2022	01:47:48	N	0.90
259	SEONI	LAKHNADOU	npp	22.80760	79.67090	4/21/2022	01:47:48	N	0.90
260	SEONI	SEONI	npp	22.02900	79.44380	4/21/2022	01:47:48	N	0.70



261	SEONI	SEONI	npp	22.03110	79.52270	4/21/2022	01:47:48	N	1.50
262	SEONI	SEONI	npp	22.04120	79.52440	4/21/2022	01:47:48	N	1.60
263	SEONI	SEONI	npp	22.04400	79.52880	4/21/2022	01:47:48	N	1.00
264	SEONI	SEONI	npp	22.04460	79.52500	4/21/2022	01:47:48	N	2.40
265	SEONI	SEONI	npp	22.04540	79.40330	4/21/2022	01:47:48	N	2.70
266	SEONI	SEONI	npp	22.05580	79.51910	4/21/2022	01:47:48	N	0.40
267	SEONI	SEONI	npp	22.06250	79.52020	4/21/2022	01:47:48	N	2.30
268	SEONI	SEONI	npp	22.12690	79.44390	4/21/2022	01:47:48	N	1.10
269	SEONI	SEONI	npp	22.12750	79.44000	4/21/2022	01:47:48	N	1.10
270	SEONI	SEONI	npp	22.12910	79.47580	4/21/2022	01:47:48	N	0.70
271	SEONI	SEONI	npp	22.12970	79.44830	4/21/2022	01:47:48	N	1.20
272	SEONI	SEONI	npp	22.13030	79.44440	4/21/2022	01:47:48	N	1.40
273	SEONI	SEONI	npp	22.17800	79.44860	4/21/2022	01:47:48	N	0.30
274	SEONI	SEONI	npp	22.17860	79.44480	4/21/2022	01:47:48	N	0.60
275	SEONI	SEONI	npp	22.18290	79.48490	4/21/2022	01:47:48	N	1.00
276	SEONI	SEONI	npp	22.19410	79.77790	4/21/2022	12:57:06	D	4.70
277	SEONI	SEONI	npp	22.20700	79.50870	4/21/2022	01:47:48	N	0.50
278	SEONI	SEONI	npp	22.20810	79.50790	4/21/2022	01:47:48	N	0.40
279	SEONI	SEONI	npp	22.20830	79.71560	4/21/2022	01:47:48	N	0.90
280	SEONI	SEONI	npp	22.20830	79.76230	4/21/2022	12:57:06	D	4.50
281	SEONI	SEONI	npp	22.21250	79.80190	4/21/2022	01:47:48	N	0.60
282	SEONI	SEONI	npp	22.21590	79.80250	4/21/2022	01:47:48	N	0.60
283	SEONI	SEONI	npp	22.21800	79.60400	4/21/2022	01:47:48	N	1.60
284	SEONI	SEONI	npp	22.22200	79.38510	4/21/2022	01:47:48	N	1.20
285	SEONI	SEONI	npp	22.22390	79.42390	4/21/2022	01:47:48	N	1.60
286	SEONI	SEONI	npp	22.30400	79.66160	4/21/2022	01:47:48	N	2.00
287	SEONI	SEONI	npp	22.33620	79.76870	4/21/2022	01:47:48	N	1.20
288	SEONI	SEONI	Terra	22.12300	79.42900	4/21/2022	10:53:23	D	130.50
289	SEONI	SEONI	Terra	22.12600	79.47100	4/21/2022	10:53:23	D	27.70
290	SEONI	SEONI	Terra	22.17600	79.44900	4/21/2022	10:53:23	D	9.60
291	SEONI	SEONI	Terra	22.18600	79.45000	4/21/2022	10:53:23	D	24.60
292	SEONI	SEONI	Terra	22.21700	79.42100	4/21/2022	10:53:23	D	54.40
293	SHAHDOL	JAIPUR	npp	23.31560	81.49310	4/21/2022	01:47:48	N	0.50

294	SHAHDOL	SOHAGPUR	npp	23.17940	81.32680	4/21/2022	01:47:48	N	1.50
295	SHAJAPUR	GULNA	Terra	23.56300	76.51200	4/21/2022	10:53:23	D	16.00
296	SHAJAPUR	KALA PIPAL	npp	23.27790	76.79800	4/21/2022	01:47:48	N	4.20
297	SHAJAPUR	SUJALPUR	npp	23.33520	76.62460	4/21/2022	01:47:48	N	1.60
298	SHAJAPUR	SUJALPUR	npp	23.33590	76.61950	4/21/2022	01:47:48	N	1.60
299	SHAJAPUR	SUJALPUR	Terra	23.18400	76.59500	4/21/2022	10:53:23	D	21.60
300	SHAJAPUR	SUJALPUR	Terra	23.18500	76.58500	4/21/2022	10:53:23	D	25.50
301	SHAJAPUR	SUJALPUR	Terra	23.31500	76.65300	4/21/2022	10:53:23	D	25.10
302	SHEOPUR	SHEOPUR	npp	25.44270	76.71600	4/21/2022	01:47:48	N	2.80
303	SHEOPUR	SHEOPUR	npp	25.53280	76.72630	4/21/2022	01:47:48	N	1.20
304	SHEOPUR	SHEOPUR	npp	25.59070	76.54760	4/21/2022	01:47:48	N	0.90
305	SHEOPUR	SHEOPUR	npp	25.64580	76.60820	4/21/2022	01:47:48	N	2.70
306	SHIVPURI	KOLARAS	npp	25.03920	77.72110	4/21/2022	12:57:06	D	6.10
307	SHIVPURI	KOLARAS	npp	25.04010	77.72590	4/21/2022	12:57:06	D	6.10
308	SHIVPURI	KOLARAS	npp	25.05680	77.71680	4/21/2022	12:57:06	D	16.80
309	SHIVPURI	PICHHOR	npp	25.13130	77.86540	4/21/2022	12:57:06	D	3.00
310	SINGRAULI	DEOSAR	npp	24.20590	82.47070	4/21/2022	01:47:48	N	2.60
311	UJJAIN	KACHROD	Aqua	23.46700	75.19400	4/21/2022	14:05:06	D	11.30
312	UMARIA	MANPUR	npp	23.65730	81.16600	4/21/2022	12:57:06	D	7.30
313	VIDESHA	BASODA	npp	23.74720	78.16000	4/21/2022	01:47:48	N	1.10
314	VIDESHA	BASODA	npp	23.75080	78.16060	4/21/2022	01:47:48	N	0.50
315	VIDESHA	BASODA	npp	23.88050	77.89100	4/21/2022	01:47:48	N	0.50
316	VIDESHA	BASODA	npp	23.96420	78.04120	4/21/2022	01:47:48	N	0.70
317	VIDESHA	BASODA	npp	23.96480	78.03670	4/21/2022	01:47:48	N	0.70
318	VIDESHA	BASODA	npp	23.98840	77.88790	4/21/2022	01:47:48	N	0.80
319	VIDESHA	GYARASPUR	npp	23.48690	78.07430	4/21/2022	01:47:48	N	0.80
320	VIDESHA	GYARASPUR	npp	23.48870	78.07300	4/21/2022	01:47:48	N	0.50
321	VIDESHA	GYARASPUR	npp	23.51190	78.03600	4/21/2022	01:47:48	N	1.00
322	VIDESHA	GYARASPUR	npp	23.59390	77.97180	4/21/2022	01:47:48	N	6.70
323	VIDESHA	GYARASPUR	npp	23.59750	77.97240	4/21/2022	01:47:48	N	14.40
324	VIDESHA	GYARASPUR	npp	23.62010	78.24920	4/21/2022	01:47:48	N	0.40
325	VIDESHA	GYARASPUR	npp	23.67340	78.25780	4/21/2022	01:47:48	N	0.50
326	VIDESHA	KORWAI	npp	23.99250	78.02270	4/21/2022	01:47:48	N	2.20

327	VIDESHA	KORWAI	npp	23.99610	78.02330	4/21/2022	01:47:48	N	2.20
328	VIDESHA	KORWAI	npp	24.02420	78.20820	4/21/2022	01:47:48	N	1.30
329	VIDESHA	KORWAI	npp	24.04980	78.20790	4/21/2022	01:47:48	N	1.80
330	VIDESHA	KORWAI	npp	24.05340	78.20840	4/21/2022	01:47:48	N	1.30
331	VIDESHA	KORWAI	npp	24.05390	78.20400	4/21/2022	01:47:48	N	1.30
332	VIDESHA	KORWAI	npp	24.06060	77.93430	4/21/2022	01:47:48	N	2.60
333	VIDESHA	KORWAI	npp	24.06240	77.92070	4/21/2022	01:47:48	N	0.80
334	VIDESHA	KORWAI	npp	24.07510	77.96450	4/21/2022	01:47:48	N	2.80
335	VIDESHA	KORWAI	npp	24.13360	77.94140	4/21/2022	01:47:48	N	1.10
336	VIDESHA	KORWAI	npp	24.13660	77.94650	4/21/2022	01:47:48	N	1.10
337	VIDESHA	LETERI	npp	24.08260	77.51790	4/21/2022	01:47:48	N	0.70
338	VIDESHA	LETERI	npp	24.10150	77.54520	4/21/2022	01:47:48	N	1.60
339	VIDESHA	LETERI	npp	24.10420	77.54290	4/21/2022	01:47:48	N	1.30
340	VIDESHA	LETERI	npp	24.13940	77.44590	4/21/2022	01:47:48	N	5.40
341	VIDESHA	LETERI	npp	24.19440	77.45940	4/21/2022	01:47:48	N	1.30
342	VIDESHA	LETERI	npp	24.25120	77.38130	4/21/2022	01:47:48	N	2.50
343	VIDESHA	NATERAN	npp	23.83450	77.53670	4/21/2022	01:47:48	N	0.80
344	VIDESHA	NATERAN	npp	23.83510	77.53200	4/21/2022	01:47:48	N	0.80
345	VIDESHA	NATERAN	npp	23.83890	77.50360	4/21/2022	01:47:48	N	2.20
346	VIDESHA	NATERAN	npp	23.93880	77.76010	4/21/2022	01:47:48	N	0.60
347	VIDESHA	NATERAN	npp	23.94140	77.71330	4/21/2022	01:47:48	N	4.60
348	VIDESHA	NATERAN	npp	23.94180	77.76530	4/21/2022	01:47:48	N	0.30
349	VIDESHA	NATERAN	npp	23.95610	77.68720	4/21/2022	01:47:48	N	2.50
350	VIDESHA	NATERAN	npp	23.95790	77.70170	4/21/2022	01:47:48	N	1.30
351	VIDESHA	SIRANJ	npp	24.03840	77.73620	4/21/2022	01:47:48	N	0.90
352	VIDESHA	SIRANJ	npp	24.06260	77.77790	4/21/2022	01:47:48	N	0.30
353	VIDESHA	SIRANJ	npp	24.13170	77.70570	4/21/2022	01:47:48	N	4.20
354	VIDESHA	SIRANJ	npp	24.13190	77.56180	4/21/2022	01:47:48	N	1.40
355	VIDESHA	SIRANJ	npp	24.13240	77.70100	4/21/2022	01:47:48	N	2.80
356	VIDESHA	SIRANJ	npp	24.13560	77.56240	4/21/2022	01:47:48	N	1.40
357	VIDESHA	SIRANJ	npp	24.16050	77.85230	4/21/2022	01:47:48	N	0.50
358	VIDESHA	SIRANJ	npp	24.16910	77.67820	4/21/2022	01:47:48	N	0.80
359	VIDESHA	SIRANJ	npp	24.18430	77.83920	4/21/2022	01:47:48	N	0.40

360	VIDESHA	SIRANJ	npp	24.23830	77.82420	4/21/2022	01:47:48	N	1.10
361	VIDESHA	SIRANJ	npp	24.25220	77.85940	4/21/2022	01:47:48	N	0.60
362	VIDESHA	VIDESHA	npp	23.39090	77.98620	4/21/2022	12:57:06	D	4.80
363	VIDESHA	VIDESHA	npp	23.39100	77.98920	4/21/2022	12:57:06	D	4.00
364	VIDESHA	VIDESHA	npp	23.41070	77.98960	4/21/2022	01:47:48	N	0.60
365	VIDESHA	VIDESHA	npp	23.42860	77.93790	4/21/2022	01:47:48	N	0.40
366	VIDESHA	VIDESHA	npp	23.46800	77.99880	4/21/2022	01:47:48	N	0.50
367	VIDESHA	VIDESHA	npp	23.54120	77.89920	4/21/2022	01:47:48	N	1.20
368	VIDESHA	VIDESHA	npp	23.58280	77.83670	4/21/2022	01:47:48	N	1.10
369	VIDESHA	VIDESHA	npp	23.58580	77.84180	4/21/2022	01:47:48	N	0.90
370	VIDESHA	VIDESHA	npp	23.58640	77.83720	4/21/2022	01:47:48	N	0.90
371	VIDESHA	VIDESHA	npp	23.60010	77.59590	4/21/2022	01:47:48	N	0.80
372	VIDESHA	VIDESHA	npp	23.60800	77.64920	4/21/2022	01:47:48	N	1.40
373	VIDESHA	VIDESHA	npp	23.60860	77.64450	4/21/2022	01:47:48	N	1.40
374	VIDESHA	VIDESHA	npp	23.61220	77.67340	4/21/2022	01:47:48	N	1.20
375	VIDESHA	VIDESHA	npp	23.61520	77.67860	4/21/2022	01:47:48	N	1.10
376	VIDESHA	VIDESHA	npp	23.61580	77.67400	4/21/2022	01:47:48	N	1.10
377	VIDESHA	VIDESHA	npp	23.65000	77.64160	4/21/2022	01:47:48	N	5.20
378	VIDESHA	VIDESHA	npp	23.65620	77.79040	4/21/2022	01:47:48	N	1.50
379	VIDESHA	VIDESHA	npp	23.68040	77.74750	4/21/2022	01:47:48	N	0.50

## 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 wheat mask for the Punjab and Haryana were provided by MNCFC, MoA&FW, Govt of India  
The rabi crop mask for Delhi, Uttar Pradesh 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)

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