



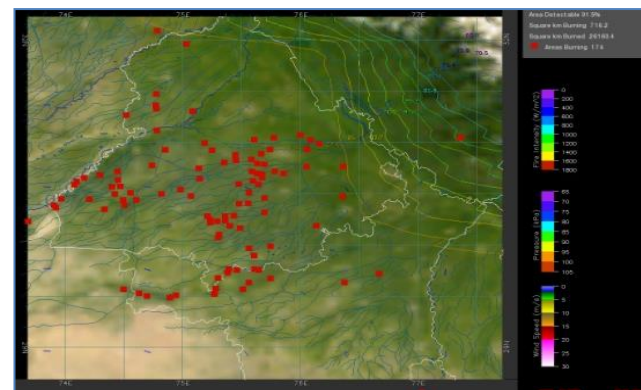
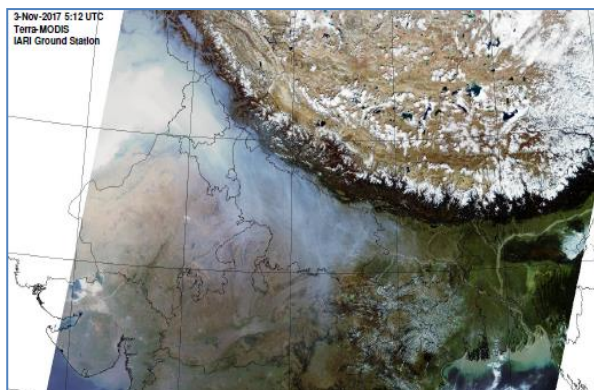
Bulletin No. 36

Events Date:
06-May-2022

Issued on:
07-May-2022



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



Prepared by:

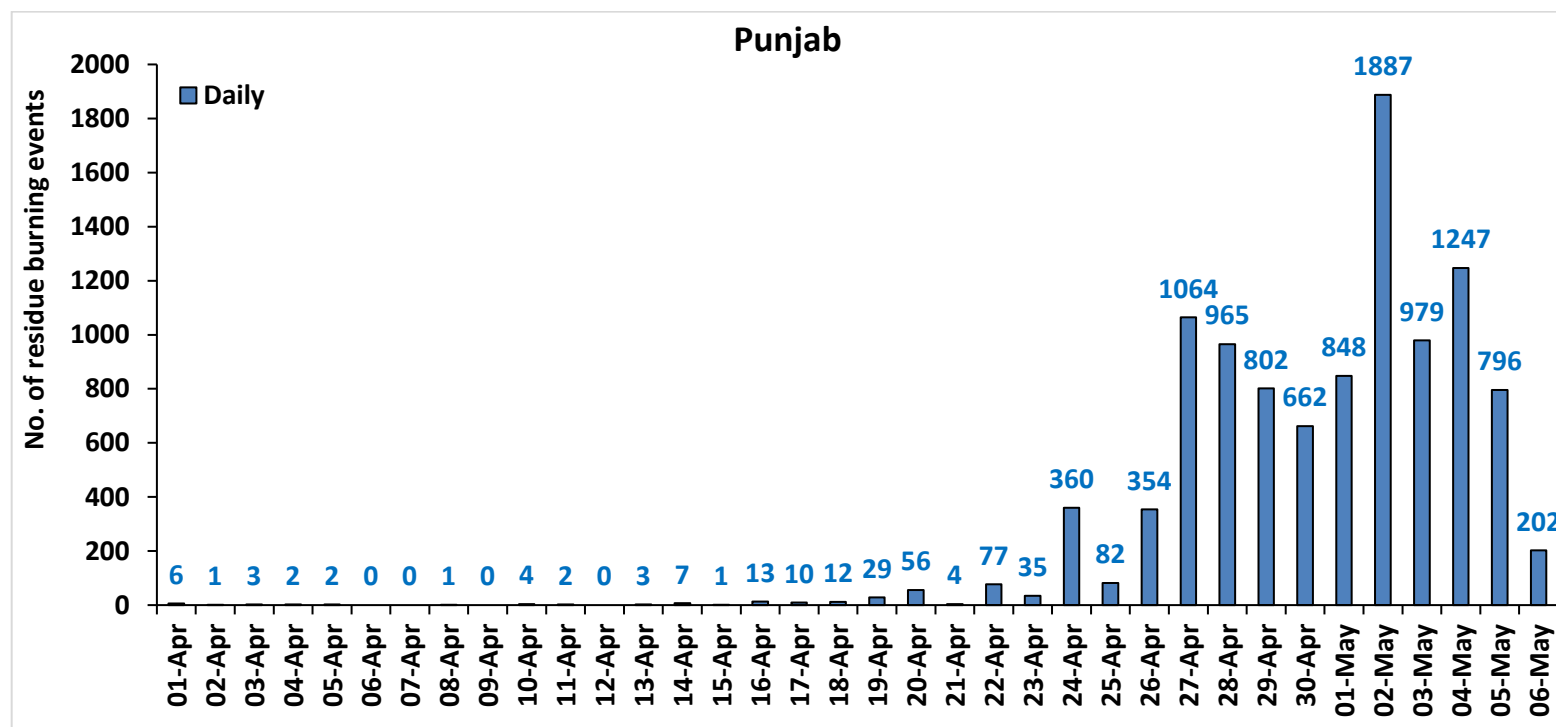
Consortium for Research on Agroecosystem Monitoring and Modeling from Space (CREAMS) Laboratory,
Division of Agricultural Physics, ICAR – Indian Agricultural Research Institute, New Delhi – 110012

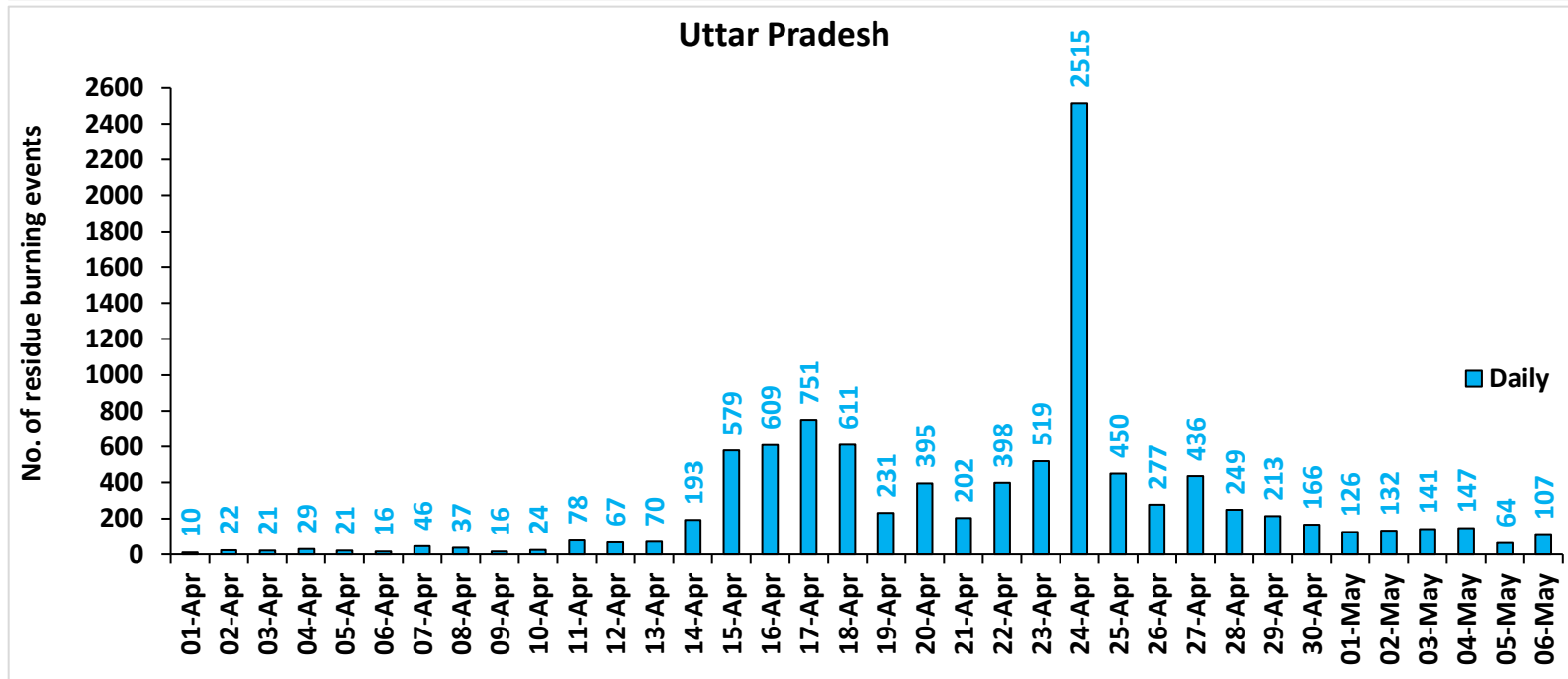
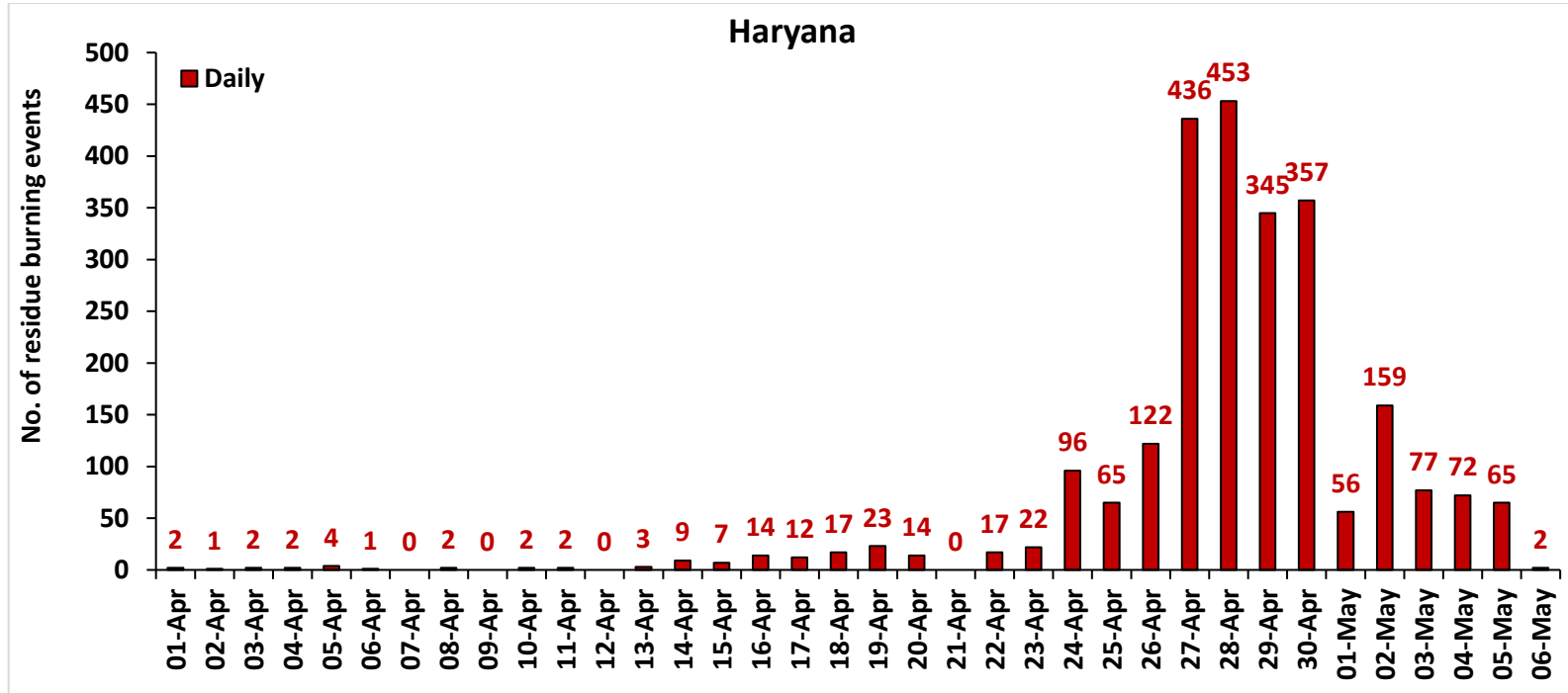
<http://creams.iari.res.in>

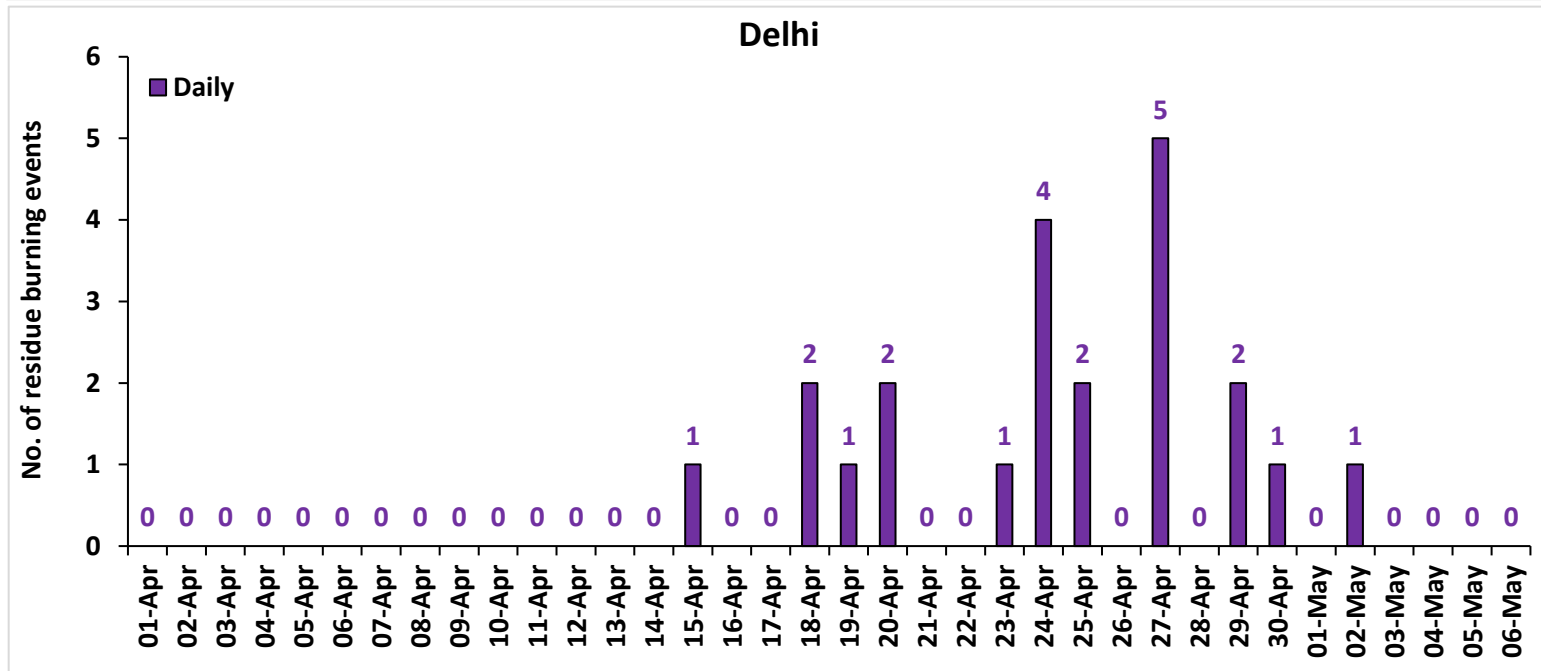
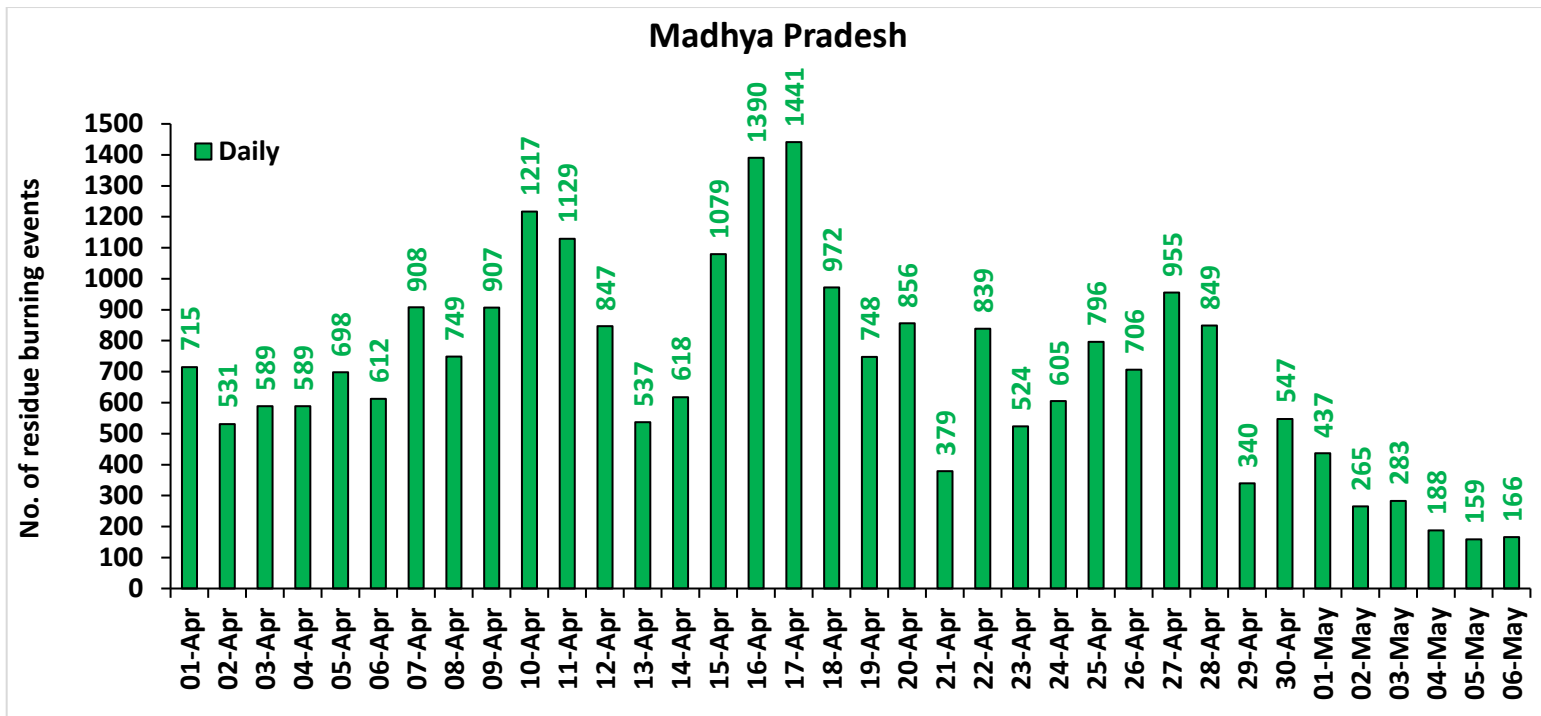
Highlights for 06-May-2022

- 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 **477** residue burning events in the five study States on 06-May-2022.
- The state wise events detected on 06-May-2022 were **202** in Punjab, **02** in Haryana, **00** in Delhi, **107** in Uttar Pradesh and **166** in Madhya Pradesh.
- The number of events has decreased from **1084** on 05-May-2022 to **477** on 06-May-2022 in the five study states.
- Total **48137** burning events were detected in the five states between 01-Apr-2022 and 06-May-2022, which are distributed as **10516**, **2461**, **9968**, **22**, and **25170** in Punjab, Haryana, UP, Delhi, and MP, respectively.

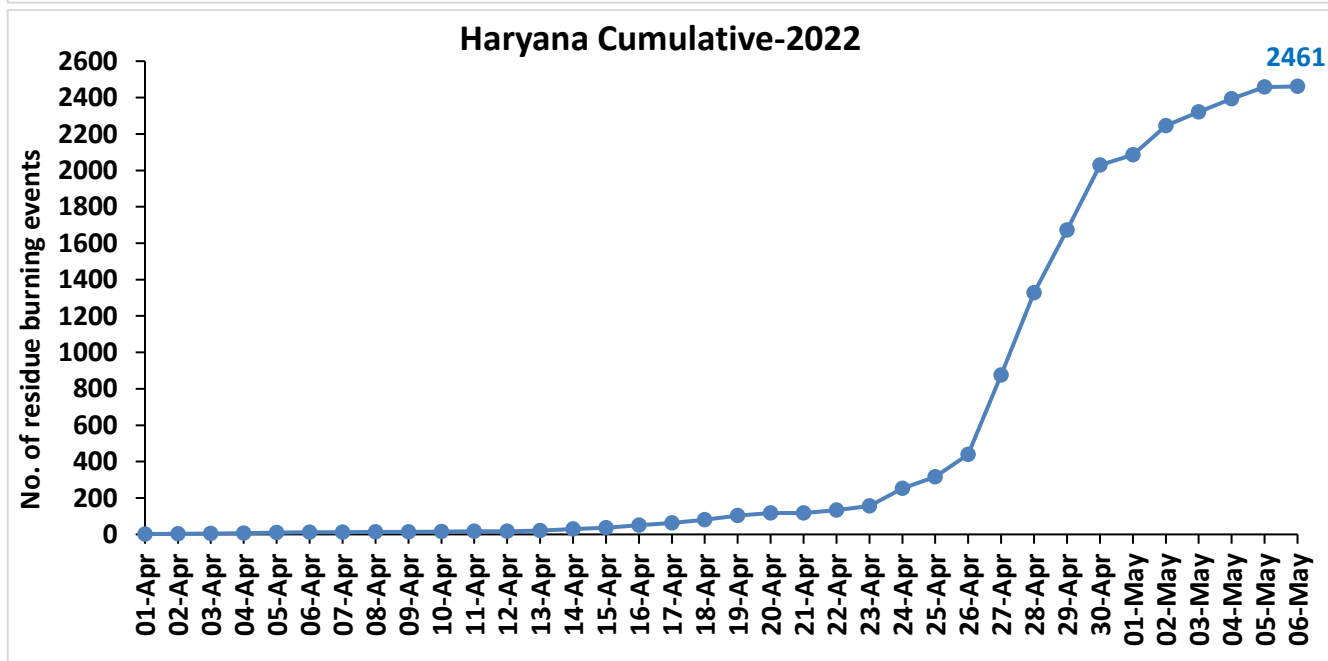
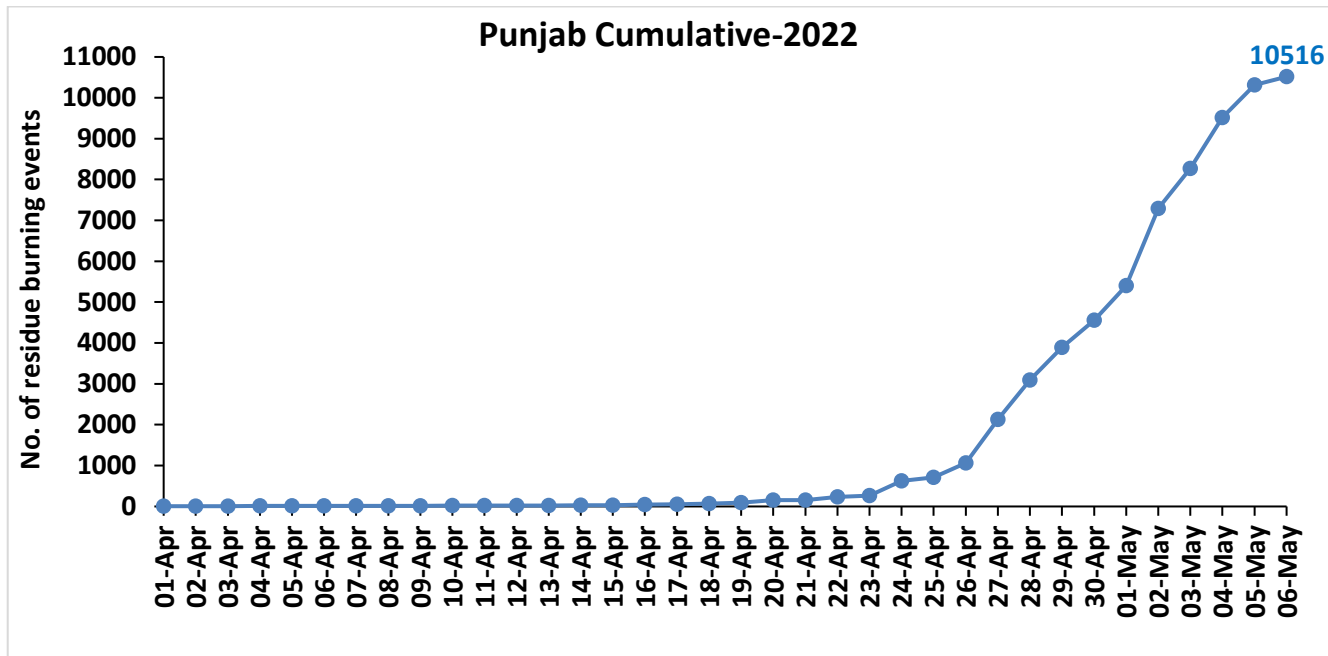
Temporal distribution of wheat residue burning events for the study States in 2022

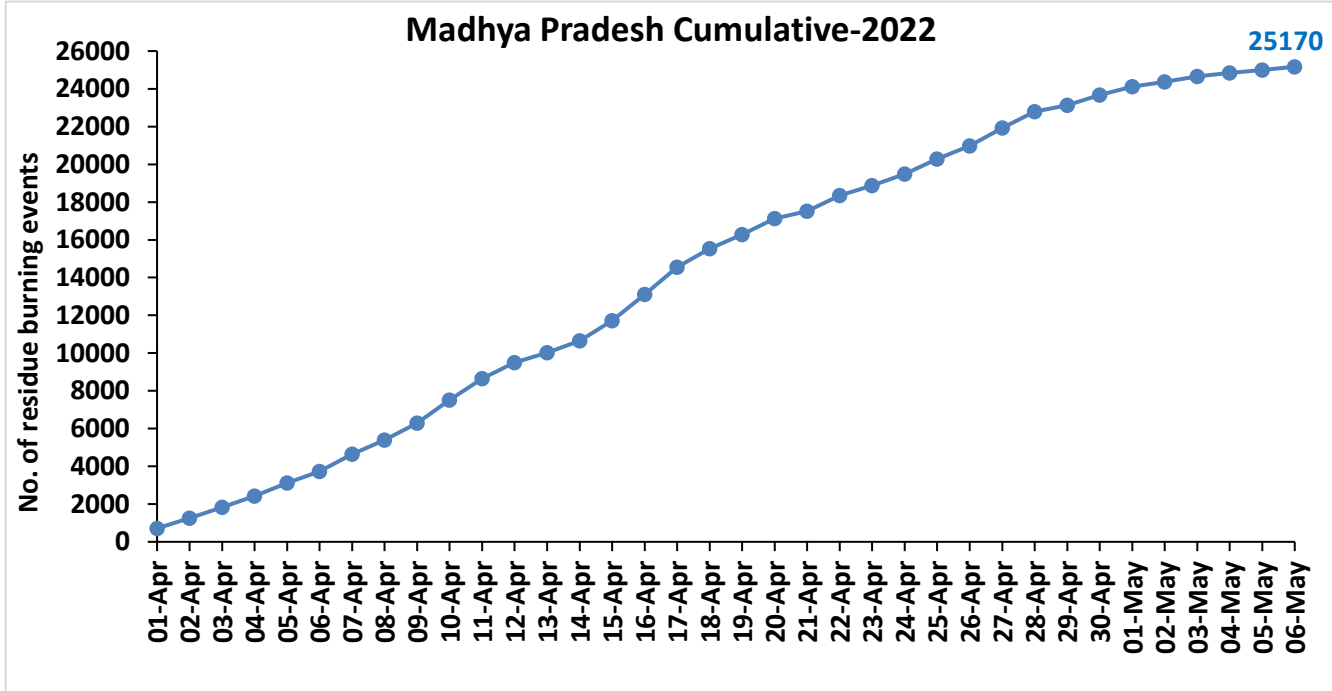
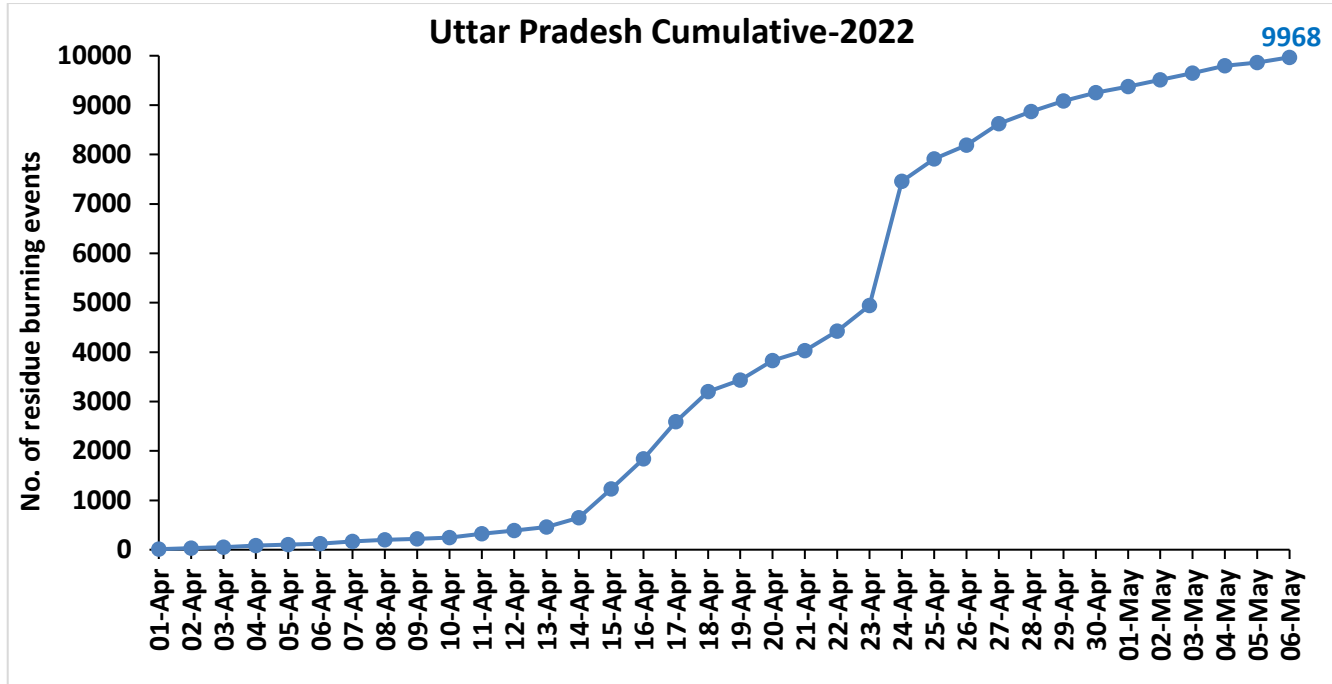


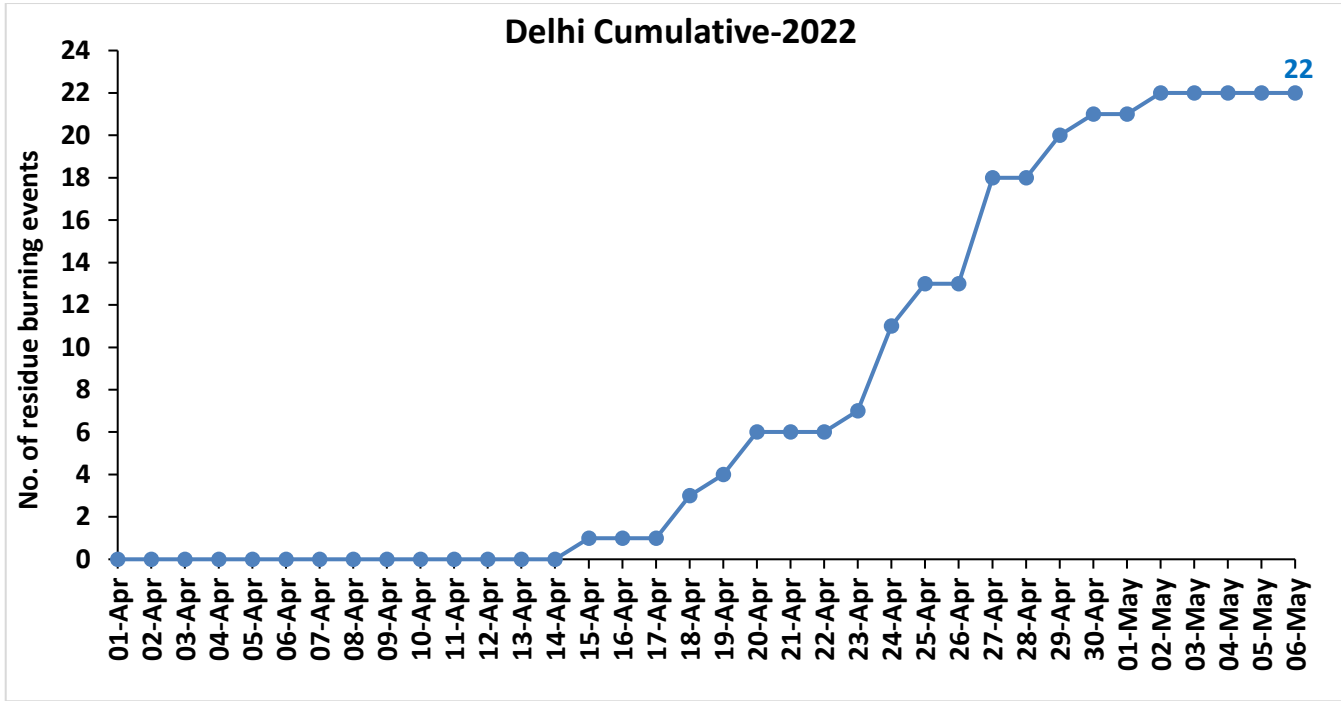




Cumulative Wheat Residue burning events in current year (2022) for the study States

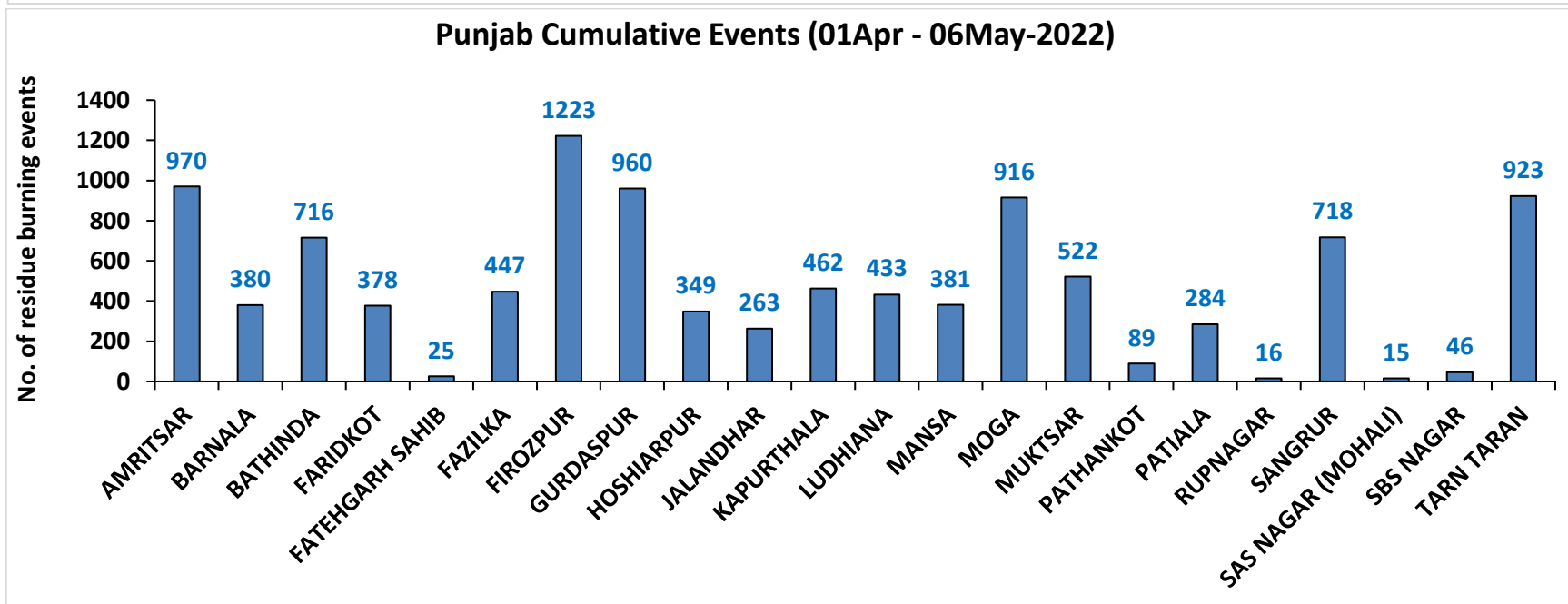
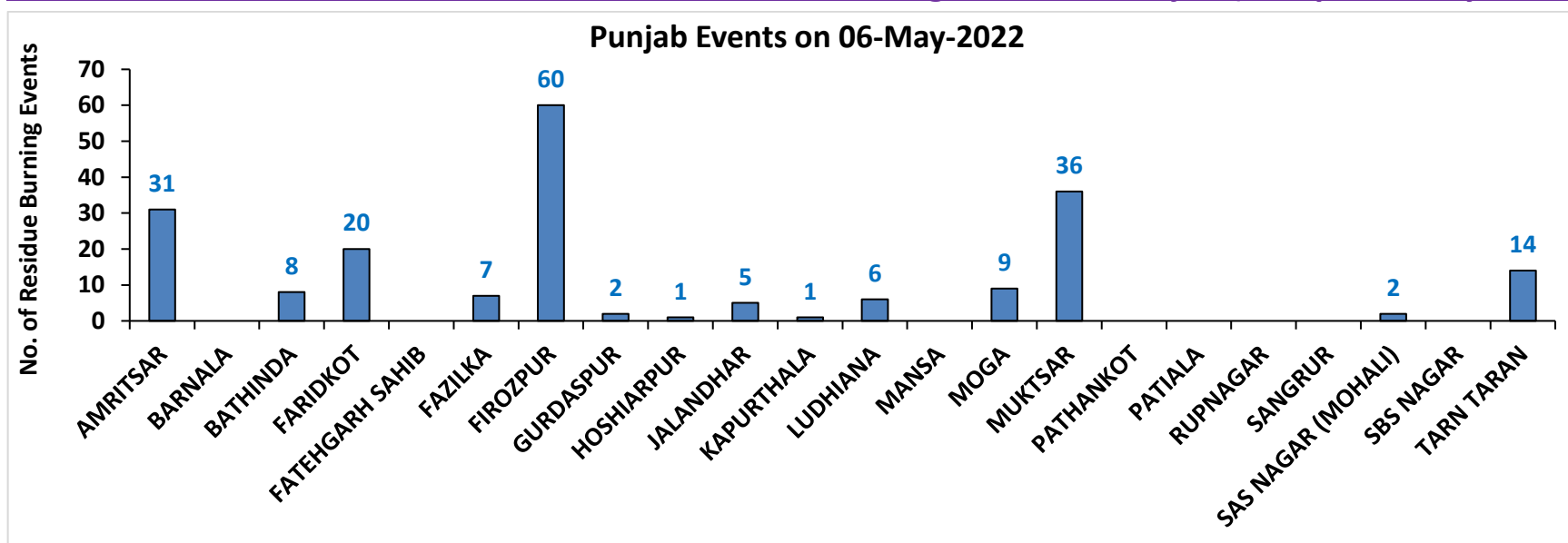






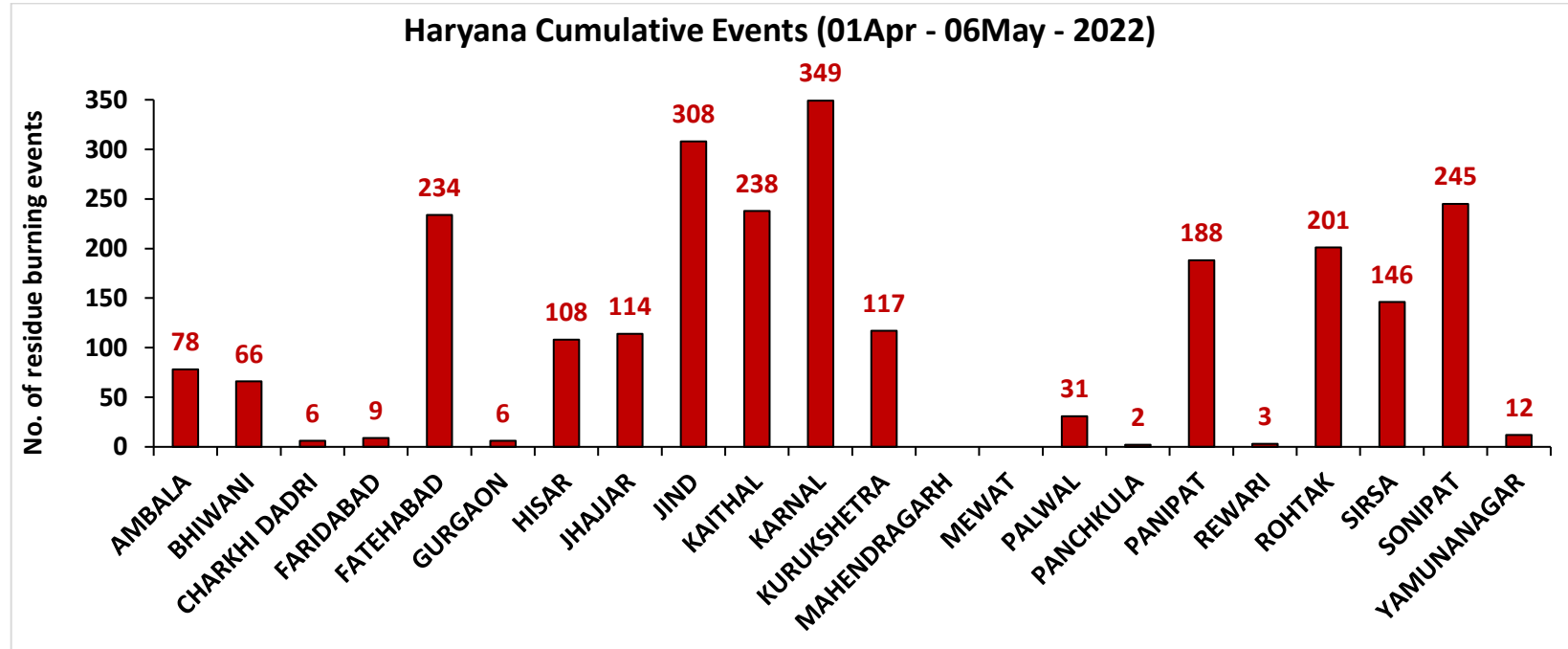
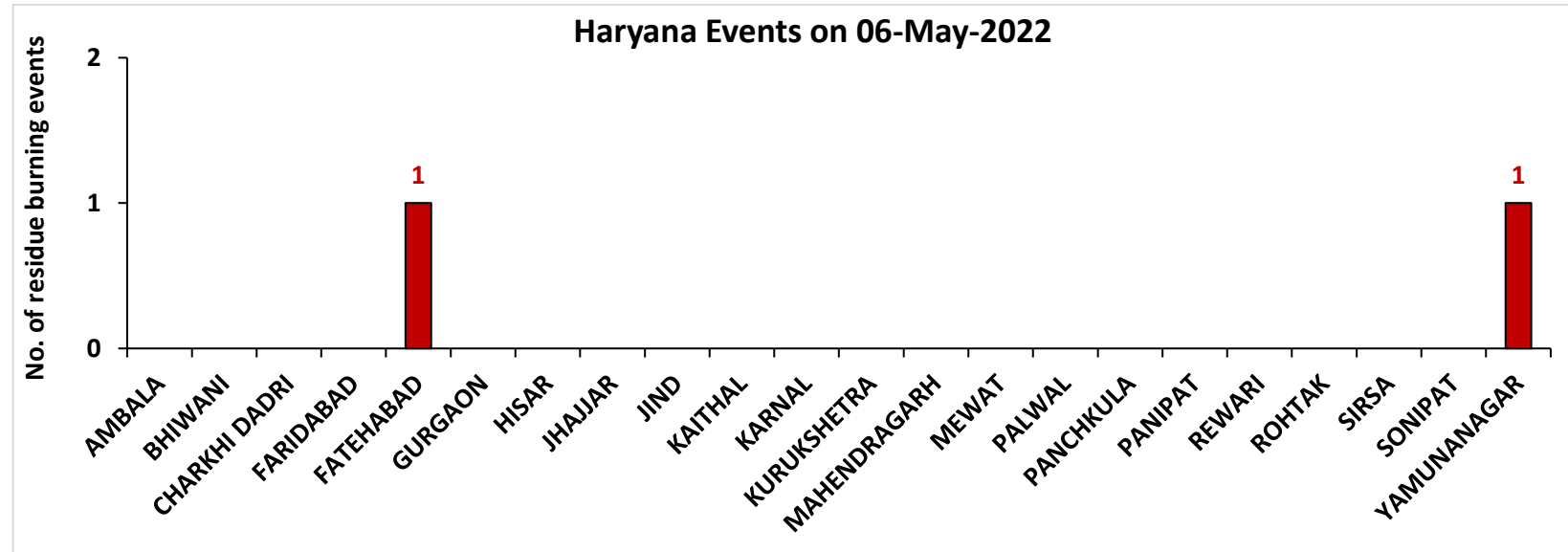
Punjab

District-wise cumulative number of wheat residue burning events in Punjab (01 Apr-06 May-2022)



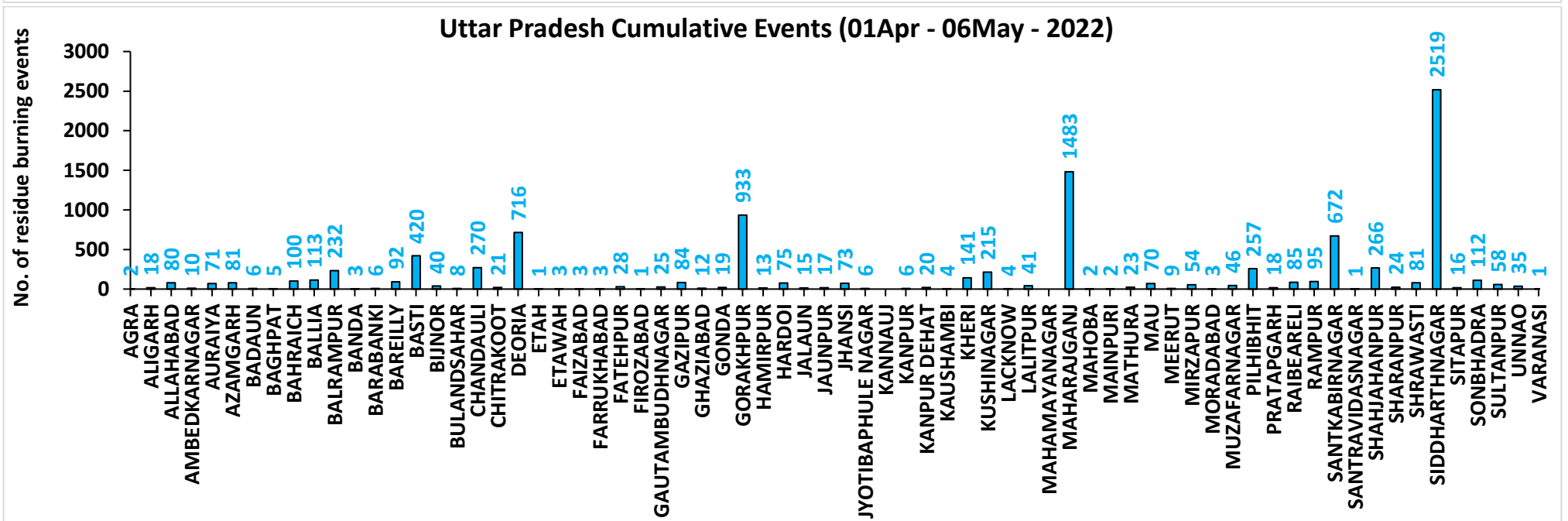
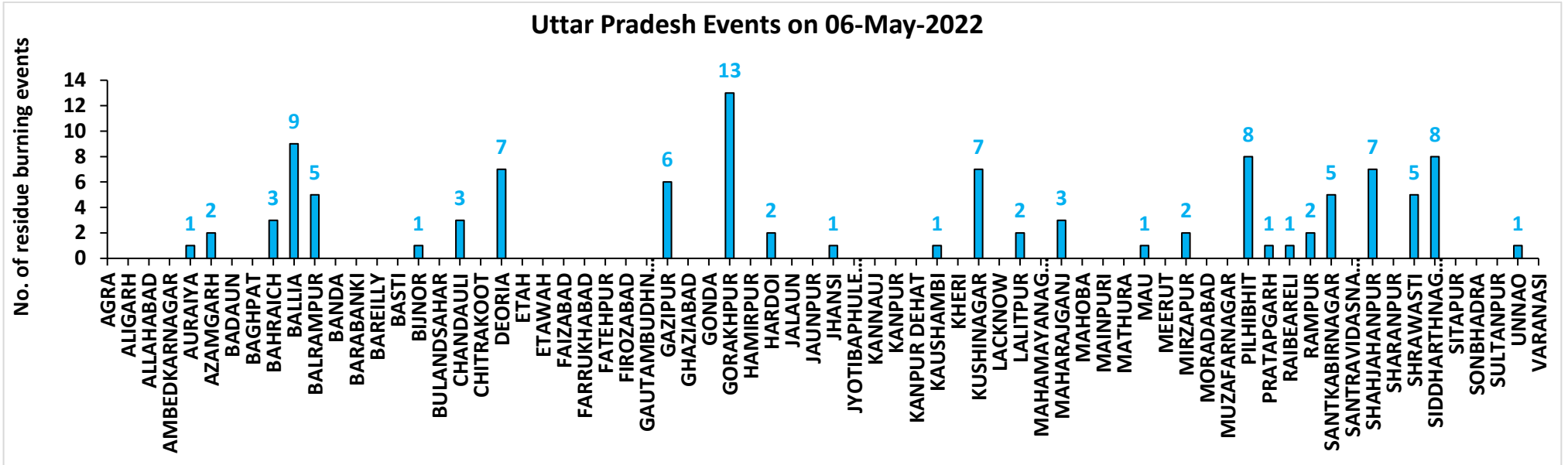
Haryana

District-wise cumulative number of residue burning events in Haryana (01 Apr-06 May-2022)



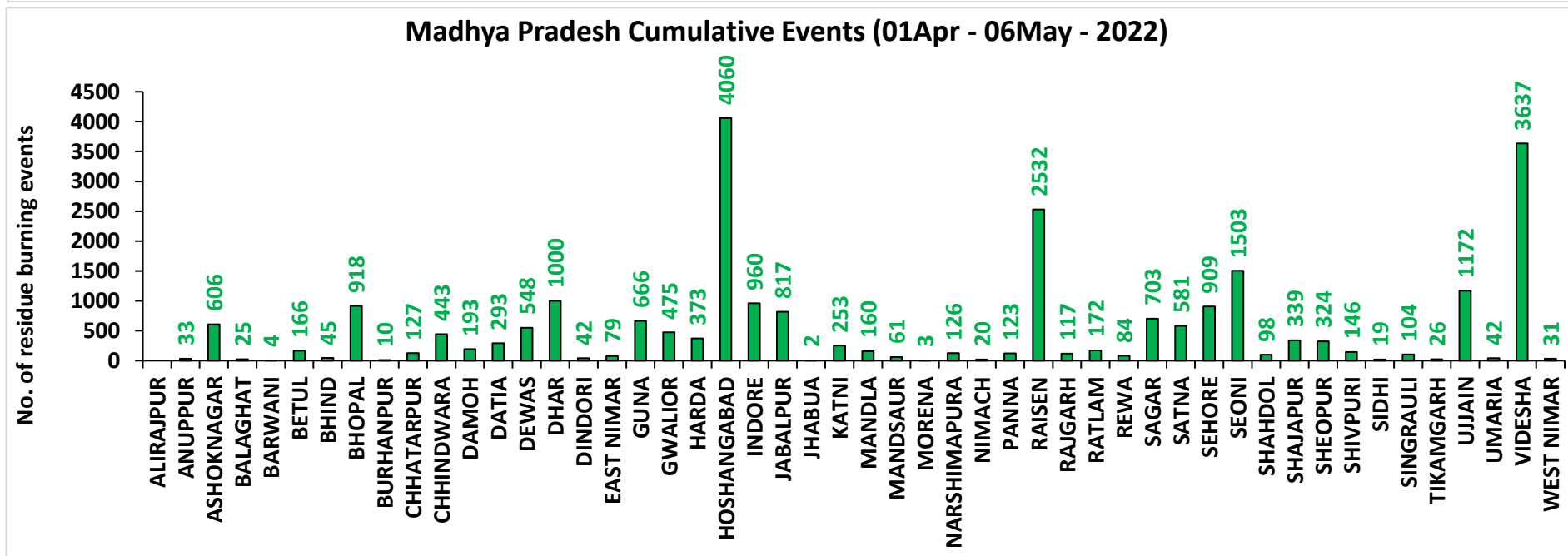
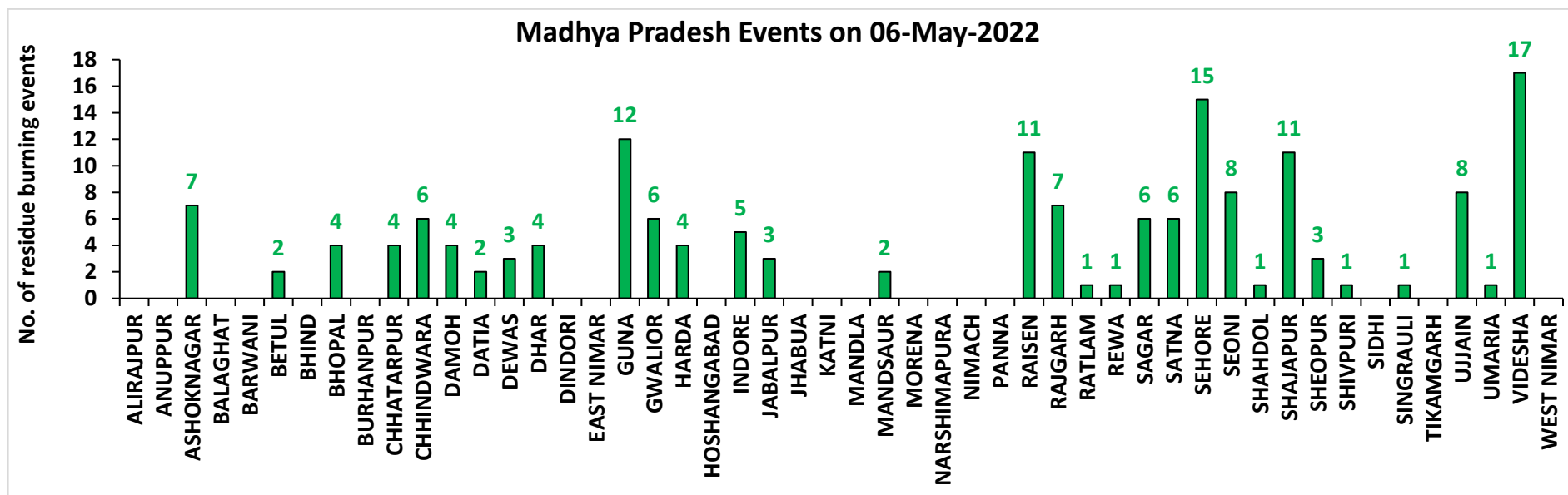
Uttar Pradesh

District-wise cumulative number of wheat residue burning events in Uttar Pradesh (01 Apr-06 May-2022)



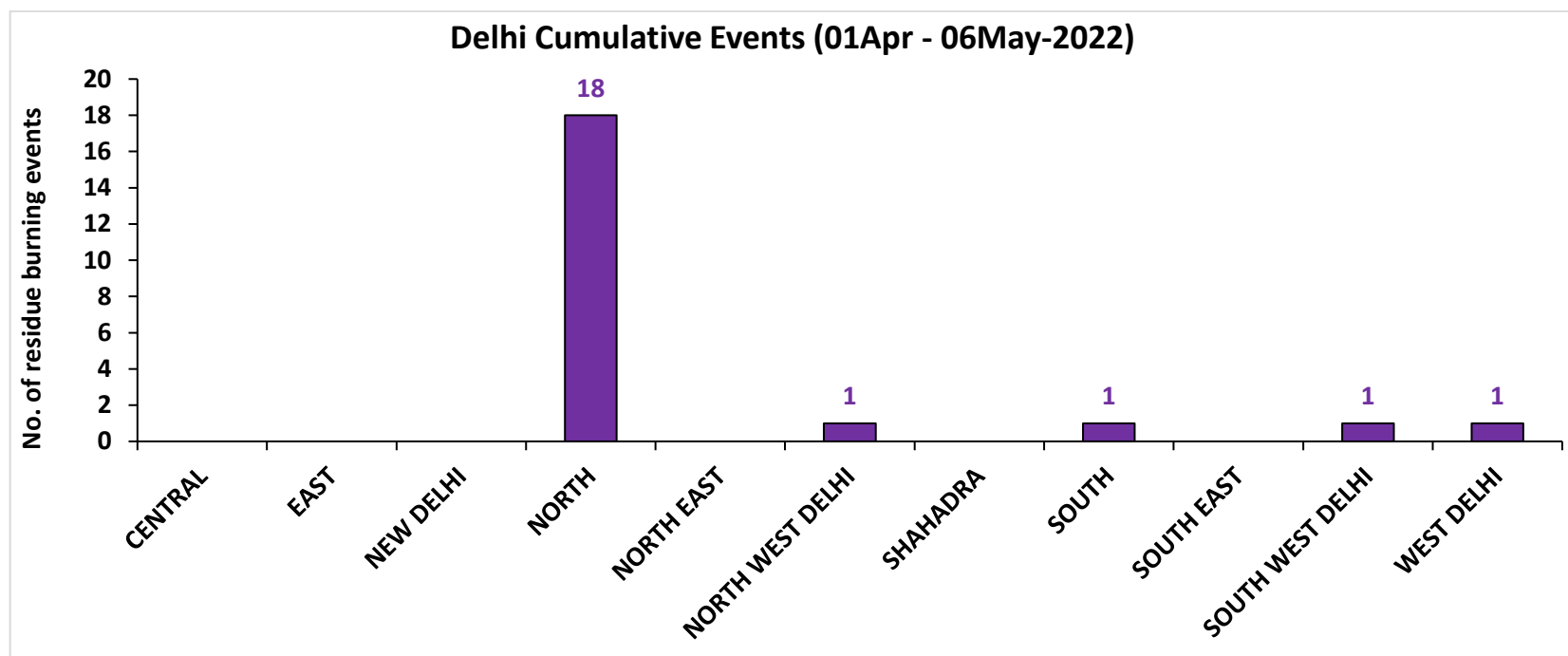
Madhya Pradesh

District-wise cumulative number of wheat residue burning events in Madhya Pradesh (01 Apr-06 May-2022)



Delhi

District-wise cumulative number of wheat residue burning events in Delhi (01 Apr-06 May-2022)



District-wise cumulative number of wheat residue burning events detected in 2022
(Period: 01 April – 06 May)

(a) Punjab

District	01Apr-06 May Year 2022
Amritsar	970
Barnala	380
Bathinda	716
Faridkot	378
Fatehgarh Sahib	25
Fazilka	447
Firozpur	1223
Gurdaspur	960
Hoshiarpur	349
Jalandhar	263
Kapurthala	462
Ludhiana	433
Mansa	381
Moga	916
Muktsar	522
Pathankot	89
Patiala	284
Rupnagar	16
Sangrur	718
SAS NAGAR (Mohali)	15
SBS Nagar	46
Tarn Taran	923
Total	10516

(b) Haryana

District	01Apr-06 May Year 2022
Ambala	78
Bhiwani	66
Charkhi Dadri	6
Faridabad	9
Fatehabad	234
Gurgaon	6
Hisar	108
Jhajjar	114
Jind	308
Kaithal	238
Karnal	349
Kurukshetra	117
Mahendragarh	0
Mewat	0
Palwal	31
Panchkula	2
Panipat	188
Rewari	3
Rohtak	201
Sirsa	146
Sonipat	245
Yamunanagar	12
Total	2461

(c) Uttar Pradesh

District	01Apr-06 May				
	Year 2022	GAUTAMBUDHNAGAR	25	MUZAFARNAGAR	46
		GAZIPUR	84	PILHIBHIT	257
AGRA	2	GHAZIABAD	12	PRATAPGARH	18
ALIGARH	18	GONDA	19	RAIBEARELI	85
ALLAHABAD	80	GORAKHPUR	933	RAMPUR	95
AMBEDKARNAGAR	10	HAMIRPUR	13	SANTKABIRNAGAR	672
AURAIYA	71	HARDOI	75	SANTRAVIDASNAGAR	1
AZAMGARH	81	JALAUN	15	SHAHJAHANPUR	266
BADAUN	6	JAUNPUR	17	SHARANPUR	24
BAGHPAT	5	JHANSI	73	SHRAWASTI	81
BAHRAICH	100	JYOTIBAPHULE NAGAR	6	SIDDHARTH NAGAR	2519
BALLIA	113	KANNAUJ	0	SITAPUR	16
BALRAMPUR	232	KANPUR	6	SONBHADRA	112
BANDA	3	KANPUR DEHAT	20	SULTANPUR	58
BARABANKI	6	KAUSHAMBI	4	UNNAO	35
BAREILLY	92	KHERI	141	VARANASI	1
BASTI	420	KUSHINAGAR	215	Total	9968
BIJNOR	40	LACKNOW	4		
BULANDSAHAR	8	LALITPUR	41		
CHANDAULI	270	MAHAMAYANAGAR	0		
CHITRAKOOT	21	MAHARAJGANJ	1483		
DEORIA	716	MAHOB	2		
ETAH	1	MAINPURI	2		
ETAWAH	3	MATHURA	23		
FAIZABAD	3	MAU	70		
FARRUKHABAD	3	MEERUT	9		
FATEHPUR	28	MIRZAPUR	54		
FIROZABAD	1	MORADABAD	3		

(f) Madhya Pradesh

District	01Apr-06 May		
	Year 2022	PANNA	123
ALIRAJPUR	0	RAISEN	2532
ANUPPUR	33	RAJGARH	117
ASHOKNAGAR	606	RATLAM	172
BALAGHAT	25	REWA	84
BARWANI	4	SAGAR	703
BETUL	166	SATNA	581
BHIND	45	SEHORE	909
BHOPAL	918	SEONI	1503
BURHANPUR	10	SHAHDOL	98
CHHATARPUR	127	SHAJAPUR	339
CHHINDWARA	443	SHEOPUR	324
DAMOH	193	SHIVPURI	146
DATIA	293	SIDHI	19
DEWAS	548	SINGRAULI	104
DHAR	1000	TIKAMGARH	26
DINDORI	42	UJJAIN	1172
EAST NIMAR	79	UMARIA	42
GUNA	666	VIDESHA	3637
GWALIOR	475	WEST NIMAR	31
HARDA	373	Total	25170
HOSHANGABAD	4060		
INDORE	960		
JABALPUR	817		
JHABUA	2		
KATNI	253		
MANDLA	160		
MANDSAUR	61		
MORENA	3		
NARSHIMAPURA	126		
NIMACH	20		

(g) Delhi

District	01Apr-06 May
	2022
CENTRAL	0
EAST	0
NEW DELHI	0
NORTH	18
NORTH EAST	0
NORTH WEST DELHI	1
SHAHADRA	0
SOUTH	1
SOUTH EAST	0
SOUTH WEST DELHI	1
WEST DELHI	1
Total	22

State-wise and date-wise number of wheat residue burning events detected in 2022
(Period: 01 April – 06 May)

	Punjab	Haryana	UP	MP	Delhi
1-Apr	6	2	10	715	0
2-Apr	1	1	22	531	0
3-Apr	3	2	21	589	0
4-Apr	2	2	29	589	0
5-Apr	2	4	21	698	0
6-Apr	0	1	16	612	0
7-Apr	0	0	46	908	0
8-Apr	1	2	37	749	0
9-Apr	0	0	16	907	0
10-Apr	4	2	24	1217	0
11-Apr	2	2	78	1129	0
12-Apr	0	0	67	847	0
13-Apr	3	3	70	537	0
14-Apr	7	9	193	618	0
15-Apr	1	7	579	1079	1
16-Apr	13	14	609	1390	0
17-Apr	10	12	751	1441	0
18-Apr	12	17	611	972	2
19-Apr	29	23	231	748	1
20-Apr	56	14	395	856	2
21-Apr	4	0	202	379	0
22-Apr	77	17	398	839	0
23-Apr	35	22	519	524	1
24-Apr	360	96	2515	605	4
25-Apr	82	65	450	796	2
26-Apr	354	122	277	706	0
27-Apr	1064	436	436	955	5
28-Apr	965	453	249	849	0
29-Apr	802	345	213	340	2
30-Apr	662	357	166	547	1
01-May	848	56	126	437	0

02-May	1887	159	132	265	1
03-May	979	77	141	283	0
04-May	1247	72	147	188	0
05-May	796	65	64	159	0
06-May	202	2	107	166	0
Total	10516	2461	9968	25170	22

Details of wheat residue burning events in Punjab on 06-May-2022

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_DATE	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	AMRITSAR	AJNALA	npp	31.91970	74.68920	5/6/2022	13:16:15	D	3.80
2	AMRITSAR	AJNALA	npp	31.93190	74.85870	5/6/2022	02:06:15	N	0.70
3	AMRITSAR	AJNALA	npp	31.95610	74.95390	5/6/2022	13:16:15	D	24.40
4	AMRITSAR	AJNALA	Aqua	31.90400	74.85900	5/6/2022	13:20:40	D	43.90
5	AMRITSAR	ATTARI	npp	31.58920	74.58990	5/6/2022	13:16:15	D	9.50
6	AMRITSAR	CHOGAWAN	npp	31.76710	74.65460	5/6/2022	13:16:15	D	5.70
7	AMRITSAR	CHOGAWAN	npp	31.78330	74.59970	5/6/2022	13:16:15	D	11.70
8	AMRITSAR	CHOGAWAN	npp	31.78690	74.59880	5/6/2022	13:16:15	D	7.70
9	AMRITSAR	CHOGAWAN	npp	31.80040	74.59030	5/6/2022	13:16:15	D	11.50
10	AMRITSAR	CHOGAWAN	npp	31.80400	74.58940	5/6/2022	13:16:15	D	11.50
11	AMRITSAR	CHOGAWAN	npp	31.80480	74.59430	5/6/2022	13:16:15	D	6.40
12	AMRITSAR	CHOGAWAN	npp	31.80570	74.59920	5/6/2022	13:16:15	D	6.40
13	AMRITSAR	CHOGAWAN	npp	31.82510	74.60150	5/6/2022	13:16:15	D	6.50
14	AMRITSAR	CHOGAWAN	npp	31.82860	74.60060	5/6/2022	13:16:15	D	8.20
15	AMRITSAR	CHOGAWAN	npp	31.84840	74.60580	5/6/2022	13:16:15	D	5.60
16	AMRITSAR	CHOGAWAN	npp	31.87250	74.63530	5/6/2022	13:16:15	D	4.80
17	AMRITSAR	CHOGAWAN	npp	31.87610	74.61410	5/6/2022	13:16:15	D	7.10
18	AMRITSAR	CHOGAWAN	npp	31.87970	74.61320	5/6/2022	13:16:15	D	7.10
19	AMRITSAR	CHOGAWAN	Aqua	31.80300	74.58400	5/6/2022	13:20:40	D	26.90
20	AMRITSAR	CHOGAWAN	Aqua	31.81900	74.60000	5/6/2022	13:20:40	D	24.10
21	AMRITSAR	CHOGAWAN	Aqua	31.86000	74.63900	5/6/2022	13:20:40	D	21.70
22	AMRITSAR	HARSHA CHHINA	npp	31.72340	74.74930	5/6/2022	13:16:15	D	5.50

23	AMRITSAR	HARSHA CHHINA	npp	31.73470	74.78370	5/6/2022	13:16:15	D	12.70
24	AMRITSAR	HARSHA CHHINA	npp	31.73830	74.78290	5/6/2022	13:16:15	D	17.20
25	AMRITSAR	HARSHA CHHINA	npp	31.79740	74.67750	5/6/2022	13:16:15	D	13.60
26	AMRITSAR	HARSHA CHHINA	Aqua	31.79800	74.73900	5/6/2022	13:20:40	D	30.20
27	AMRITSAR	JANDIALA GURU	Aqua	31.55200	74.97100	5/6/2022	13:20:40	D	25.30
28	AMRITSAR	JANDIALA GURU	Aqua	31.55400	74.97700	5/6/2022	13:20:40	D	28.20
29	AMRITSAR	MAJITHA	Aqua	31.76300	74.97600	5/6/2022	13:20:40	D	21.60
30	AMRITSAR	RAYYA	npp	31.53520	75.12310	5/6/2022	13:16:15	D	3.80
31	AMRITSAR	RAYYA	npp	31.53530	75.20570	5/6/2022	13:16:15	D	6.70
32	BATHINDA	BATHINDA	npp	30.16900	74.76740	5/6/2022	13:16:15	D	8.40
33	BATHINDA	BATHINDA	npp	30.20880	74.86390	5/6/2022	13:16:15	D	9.10
34	BATHINDA	GONIANA MANDI	npp	30.35790	74.89620	5/6/2022	13:16:15	D	6.40
35	BATHINDA	SANGAT	npp	30.09070	74.85150	5/6/2022	13:16:15	D	6.00
36	BATHINDA	SANGAT	npp	30.10410	74.74680	5/6/2022	13:16:15	D	7.40
37	BATHINDA	SANGAT	npp	30.11300	74.65060	5/6/2022	13:16:15	D	7.10
38	BATHINDA	SANGAT	npp	30.12170	74.90250	5/6/2022	13:16:15	D	17.10
39	BATHINDA	TALWANDI SABO	npp	29.98340	75.00820	5/6/2022	13:16:15	D	4.70
40	FARIDKOT	FARIDKOT	npp	30.58600	74.68020	5/6/2022	13:16:15	D	16.00
41	FARIDKOT	FARIDKOT	npp	30.67580	74.65600	5/6/2022	13:16:15	D	8.10
42	FARIDKOT	FARIDKOT	npp	30.72170	74.52160	5/6/2022	13:16:15	D	10.00
43	FARIDKOT	FARIDKOT	npp	30.74520	74.84940	5/6/2022	13:16:15	D	7.10
44	FARIDKOT	FARIDKOT	npp	30.77500	74.66470	5/6/2022	13:16:15	D	10.60
45	FARIDKOT	FARIDKOT	npp	30.79680	74.74170	5/6/2022	13:16:15	D	10.10
46	FARIDKOT	FARIDKOT	Aqua	30.58600	74.67500	5/6/2022	13:20:40	D	48.50
47	FARIDKOT	JAITON	npp	30.39050	74.86790	5/6/2022	13:16:15	D	15.60
48	FARIDKOT	JAITON	npp	30.44040	74.77080	5/6/2022	13:16:15	D	4.10
49	FARIDKOT	JAITON	npp	30.50200	74.83780	5/6/2022	13:16:15	D	5.50
50	FARIDKOT	JAITON	npp	30.50460	74.87290	5/6/2022	13:16:15	D	5.80
51	FARIDKOT	JAITON	npp	30.51620	74.91580	5/6/2022	13:16:15	D	11.50
52	FARIDKOT	JAITON	npp	30.53250	74.90160	5/6/2022	13:16:15	D	4.90
53	FARIDKOT	JAITON	Aqua	30.53400	74.95100	5/6/2022	13:20:40	D	21.50
54	FARIDKOT	KOT KAPURA	npp	30.50290	74.84270	5/6/2022	13:16:15	D	5.50
55	FARIDKOT	KOT KAPURA	npp	30.51460	74.84490	5/6/2022	13:16:15	D	6.60

56	FARIDKOT	KOT KAPURA	npp	30.51930	74.78740	5/6/2022	13:16:15	D	4.50
57	FARIDKOT	KOT KAPURA	npp	30.54240	74.75300	5/6/2022	13:16:15	D	7.10
58	FARIDKOT	KOT KAPURA	npp	30.58960	74.74140	5/6/2022	13:16:15	D	5.90
59	FARIDKOT	KOT KAPURA	npp	30.60230	74.74850	5/6/2022	13:16:15	D	5.50
60	FAZILKA	ARNIWALA SHEIKH SUBANPUR	npp	30.35500	74.13070	5/6/2022	13:16:15	D	11.80
61	FAZILKA	FAZILKA	npp	30.44480	73.96590	5/6/2022	13:16:15	D	11.00
62	FAZILKA	FAZILKA	npp	30.45460	73.99710	5/6/2022	13:16:15	D	10.40
63	FAZILKA	JALALABAD	npp	30.51580	74.32230	5/6/2022	13:16:15	D	6.80
64	FAZILKA	JALALABAD	npp	30.52670	74.27630	5/6/2022	13:16:15	D	10.60
65	FAZILKA	JALALABAD	npp	30.53350	74.33400	5/6/2022	13:16:15	D	15.30
66	FAZILKA	JALALABAD	npp	30.61830	74.15900	5/6/2022	13:16:15	D	21.30
67	FIROZPUR	FIROZPUR	npp	30.90550	74.53090	5/6/2022	13:16:15	D	8.10
68	FIROZPUR	FIROZPUR	npp	30.90640	74.53590	5/6/2022	13:16:15	D	8.10
69	FIROZPUR	FIROZPUR	npp	30.91460	74.53900	5/6/2022	13:16:15	D	6.60
70	FIROZPUR	FIROZPUR	npp	30.91700	74.54070	5/6/2022	13:16:15	D	24.60
71	FIROZPUR	FIROZPUR	npp	30.91820	74.53810	5/6/2022	13:16:15	D	21.10
72	FIROZPUR	FIROZPUR	npp	30.92100	74.55310	5/6/2022	13:16:15	D	12.00
73	FIROZPUR	FIROZPUR	npp	30.92980	74.54800	5/6/2022	13:16:15	D	6.70
74	FIROZPUR	FIROZPUR	npp	30.95150	74.50080	5/6/2022	13:16:15	D	9.60
75	FIROZPUR	FIROZPUR	npp	30.96290	74.64350	5/6/2022	13:16:15	D	6.30
76	FIROZPUR	FIROZPUR	npp	30.98280	74.64890	5/6/2022	13:16:15	D	5.80
77	FIROZPUR	FIROZPUR	npp	30.99460	74.65110	5/6/2022	13:16:15	D	13.70
78	FIROZPUR	FIROZPUR	npp	30.99910	74.65510	5/6/2022	13:16:15	D	5.60
79	FIROZPUR	FIROZPUR	npp	31.00280	74.59220	5/6/2022	13:16:15	D	4.90
80	FIROZPUR	FIROZPUR	npp	31.00370	74.61790	5/6/2022	13:16:15	D	7.30
81	FIROZPUR	FIROZPUR	npp	31.01360	74.58950	5/6/2022	13:16:15	D	17.10
82	FIROZPUR	FIROZPUR	npp	31.02880	74.79610	5/6/2022	13:16:15	D	3.30
83	FIROZPUR	FIROZPUR	npp	31.05370	74.68590	5/6/2022	13:16:15	D	9.80
84	FIROZPUR	FIROZPUR	Aqua	30.90400	74.52500	5/6/2022	13:20:40	D	47.30
85	FIROZPUR	FIROZPUR	Aqua	30.90800	74.54500	5/6/2022	13:20:40	D	27.50
86	FIROZPUR	FIROZPUR	Terra	30.96800	74.66700	5/6/2022	11:46:56	D	60.60
87	FIROZPUR	FIROZPUR	Terra	30.97400	74.64000	5/6/2022	11:46:56	D	47.60
88	FIROZPUR	FIROZPUR	Terra	30.97900	74.64900	5/6/2022	11:46:56	D	55.20

89	FIROZPUR	FIROZPUR	Aqua	30.98900	74.64300	5/6/2022	13:20:40	D	55.00
90	FIROZPUR	FIROZPUR	Aqua	30.99300	74.66100	5/6/2022	13:20:40	D	23.00
91	FIROZPUR	FIROZPUR	Aqua	31.00400	74.65800	5/6/2022	13:20:40	D	21.10
92	FIROZPUR	FIROZPUR	Aqua	31.01000	74.59200	5/6/2022	13:20:40	D	30.90
93	FIROZPUR	GHALL KHURD	npp	30.80030	74.82260	5/6/2022	13:16:15	D	7.40
94	FIROZPUR	GHALL KHURD	npp	30.93880	74.75510	5/6/2022	13:16:15	D	5.30
95	FIROZPUR	GHALL KHURD	npp	30.95420	74.75640	5/6/2022	13:16:15	D	4.60
96	FIROZPUR	GHALL KHURD	Aqua	30.94400	74.70100	5/6/2022	13:20:40	D	40.40
97	FIROZPUR	GHALL KHURD	Aqua	30.95000	74.69300	5/6/2022	13:20:40	D	12.20
98	FIROZPUR	GHALL KHURD	Aqua	31.01800	74.79100	5/6/2022	13:20:40	D	27.20
99	FIROZPUR	GHALL KHURD	Aqua	31.03000	74.78800	5/6/2022	13:20:40	D	26.30
100	FIROZPUR	GURUHAR SAHAI	npp	30.58930	74.37730	5/6/2022	13:16:15	D	9.30
101	FIROZPUR	GURUHAR SAHAI	npp	30.70520	74.24860	5/6/2022	13:16:15	D	13.60
102	FIROZPUR	GURUHAR SAHAI	npp	30.70890	74.24770	5/6/2022	13:16:15	D	14.30
103	FIROZPUR	GURUHAR SAHAI	npp	30.72450	74.35130	5/6/2022	13:16:15	D	7.30
104	FIROZPUR	GURUHAR SAHAI	Terra	30.72800	74.27800	5/6/2022	11:46:56	D	36.30
105	FIROZPUR	MAKHU	npp	31.14370	75.03150	5/6/2022	13:16:15	D	30.10
106	FIROZPUR	MAKHU	Aqua	31.07600	74.92400	5/6/2022	13:20:40	D	92.80
107	FIROZPUR	MAKHU	Aqua	31.08000	74.92700	5/6/2022	13:20:40	D	86.90
108	FIROZPUR	MAKHU	Aqua	31.11600	74.81800	5/6/2022	13:20:40	D	25.10
109	FIROZPUR	MAMDOT	npp	30.78090	74.40650	5/6/2022	13:16:15	D	12.80
110	FIROZPUR	MAMDOT	npp	30.78310	74.40860	5/6/2022	13:16:15	D	8.30
111	FIROZPUR	MAMDOT	npp	30.78830	74.37540	5/6/2022	13:16:15	D	10.30
112	FIROZPUR	MAMDOT	npp	30.82290	74.45690	5/6/2022	13:16:15	D	8.50
113	FIROZPUR	MAMDOT	npp	30.82390	74.46190	5/6/2022	13:16:15	D	8.50
114	FIROZPUR	MAMDOT	npp	30.82490	74.32360	5/6/2022	13:16:15	D	19.40
115	FIROZPUR	MAMDOT	npp	30.82860	74.32270	5/6/2022	13:16:15	D	19.40
116	FIROZPUR	MAMDOT	npp	30.83850	74.45830	5/6/2022	13:16:15	D	6.70
117	FIROZPUR	MAMDOT	npp	30.85590	74.44870	5/6/2022	13:16:15	D	5.70
118	FIROZPUR	MAMDOT	npp	30.85700	74.49580	5/6/2022	13:16:15	D	7.00
119	FIROZPUR	MAMDOT	npp	30.87520	74.44920	5/6/2022	13:16:15	D	11.10
120	FIROZPUR	MAMDOT	npp	30.87610	74.45420	5/6/2022	13:16:15	D	7.30
121	FIROZPUR	MAMDOT	npp	30.87880	74.44820	5/6/2022	13:16:15	D	6.30

122	FIROZPUR	MAMDOT	npp	30.90400	74.49170	5/6/2022	13:16:15	D	5.30
123	FIROZPUR	MAMDOT	npp	30.92130	74.48210	5/6/2022	13:16:15	D	8.20
124	FIROZPUR	MAMDOT	npp	30.93940	74.43550	5/6/2022	13:16:15	D	6.70
125	FIROZPUR	MAMDOT	Aqua	30.82500	74.34900	5/6/2022	13:20:40	D	45.20
126	FIROZPUR	MAMDOT	Aqua	30.89700	74.48700	5/6/2022	13:20:40	D	21.60
127	GURDASPUR	FATEHGARH CHURIAN	Aqua	31.86800	74.97900	5/6/2022	13:20:40	D	19.30
128	GURDASPUR	KALANAUR	Aqua	31.98400	75.15600	5/6/2022	13:20:40	D	12.80
129	HOSHIARPUR	MAHILPUR	Aqua	31.37600	76.02400	5/6/2022	13:20:40	D	16.00
130	JALANDHAR	LOHIAN	npp	31.11680	75.22190	5/6/2022	13:16:15	D	12.70
131	JALANDHAR	MEHATPUR	Aqua	30.99400	75.52300	5/6/2022	13:20:40	D	22.20
132	JALANDHAR	MEHATPUR	Aqua	30.99700	75.53500	5/6/2022	13:20:40	D	21.30
133	JALANDHAR	MEHATPUR	Aqua	30.99700	75.54000	5/6/2022	13:20:40	D	21.40
134	JALANDHAR	MEHATPUR	Aqua	31.05200	75.52100	5/6/2022	13:20:40	D	20.70
135	KAPURTHALA	SULTANPUR LODHI	Aqua	31.31700	75.14400	5/6/2022	13:20:40	D	21.30
136	LUDHIANA	JAGRAON	npp	30.66750	75.45800	5/6/2022	13:16:15	D	7.30
137	LUDHIANA	JAGRAON	Aqua	30.68600	75.42900	5/6/2022	13:20:40	D	21.80
138	LUDHIANA	LUDHIANA-2	npp	30.93470	75.71120	5/6/2022	13:16:15	D	6.50
139	LUDHIANA	LUDHIANA-2	npp	30.97380	75.89260	5/6/2022	13:16:15	D	23.10
140	LUDHIANA	LUDHIANA-2	Aqua	30.96900	75.89100	5/6/2022	13:20:40	D	27.20
141	LUDHIANA	SIDHWAN BET	Aqua	30.95200	75.60300	5/6/2022	13:20:40	D	30.20
142	MOGA	BAGHA PURANA	npp	30.60230	75.05760	5/6/2022	13:16:15	D	14.90
143	MOGA	BAGHA PURANA	npp	30.61280	75.11480	5/6/2022	13:16:15	D	11.00
144	MOGA	BAGHA PURANA	npp	30.61620	75.13380	5/6/2022	13:16:15	D	11.90
145	MOGA	BAGHA PURANA	npp	30.62600	74.96160	5/6/2022	13:16:15	D	14.20
146	MOGA	BAGHA PURANA	Aqua	30.61800	74.96000	5/6/2022	13:20:40	D	24.30
147	MOGA	BAGHA PURANA	Aqua	30.62100	75.02300	5/6/2022	13:20:40	D	19.50
148	MOGA	BAGHA PURANA	Aqua	30.62200	74.96600	5/6/2022	13:20:40	D	30.20
149	MOGA	MOGA-2	npp	30.84940	75.09160	5/6/2022	13:16:15	D	10.50
150	MOGA	NIHAL SINGH	Aqua	30.69900	75.25600	5/6/2022	13:20:40	D	22.60
151	MUKTSAR	KOT BHAI AT GIDDERBAHA	npp	30.33960	74.69480	5/6/2022	13:16:15	D	5.30
152	MUKTSAR	KOT BHAI AT GIDDERBAHA	npp	30.34310	74.63120	5/6/2022	13:16:15	D	10.60

153	MUKTSAR	KOT BHAI AT GIDDERBAHA	npp	30.36140	74.58470	5/6/2022	13:16:15	D	6.30
154	MUKTSAR	KOT BHAI AT GIDDERBAHA	npp	30.36150	74.64770	5/6/2022	13:16:15	D	10.90
155	MUKTSAR	KOT BHAI AT GIDDERBAHA	npp	30.40320	74.57160	5/6/2022	13:16:15	D	4.40
156	MUKTSAR	KOT BHAI AT GIDDERBAHA	npp	30.40750	74.71680	5/6/2022	13:16:15	D	4.80
157	MUKTSAR	KOT BHAI AT GIDDERBAHA	npp	30.42550	74.65000	5/6/2022	13:16:15	D	7.00
158	MUKTSAR	LAMBI	npp	30.05540	74.56960	5/6/2022	13:16:15	D	11.80
159	MUKTSAR	LAMBI	npp	30.06170	74.54150	5/6/2022	13:16:15	D	21.10
160	MUKTSAR	LAMBI	npp	30.07010	74.54480	5/6/2022	13:16:15	D	6.70
161	MUKTSAR	LAMBI	npp	30.08020	74.53700	5/6/2022	13:16:15	D	22.60
162	MUKTSAR	LAMBI	Terra	30.01900	74.67700	5/6/2022	11:46:56	D	42.80
163	MUKTSAR	LAMBI	Aqua	30.04400	74.57000	5/6/2022	13:20:40	D	62.60
164	MUKTSAR	MALOUT	npp	30.17180	74.54440	5/6/2022	13:16:15	D	11.90
165	MUKTSAR	MALOUT	npp	30.22010	74.40960	5/6/2022	13:16:15	D	7.30
166	MUKTSAR	MALOUT	npp	30.24290	74.38510	5/6/2022	13:16:15	D	7.90
167	MUKTSAR	MALOUT	npp	30.30470	74.46630	5/6/2022	13:16:15	D	4.80
168	MUKTSAR	MALOUT	npp	30.30570	74.47140	5/6/2022	13:16:15	D	4.80
169	MUKTSAR	MALOUT	npp	30.37140	74.48430	5/6/2022	13:16:15	D	14.90
170	MUKTSAR	MUKTSAR	npp	30.43150	74.51720	5/6/2022	13:16:15	D	7.70
171	MUKTSAR	MUKTSAR	npp	30.44180	74.59370	5/6/2022	13:16:15	D	9.00
172	MUKTSAR	MUKTSAR	npp	30.44280	74.59870	5/6/2022	13:16:15	D	9.00
173	MUKTSAR	MUKTSAR	npp	30.45940	74.68850	5/6/2022	13:16:15	D	4.30
174	MUKTSAR	MUKTSAR	npp	30.46310	74.72910	5/6/2022	13:16:15	D	9.20
175	MUKTSAR	MUKTSAR	npp	30.51450	74.58320	5/6/2022	13:16:15	D	6.80
176	MUKTSAR	MUKTSAR	npp	30.54080	74.49770	5/6/2022	13:16:15	D	6.00
177	MUKTSAR	MUKTSAR	npp	30.54220	74.67020	5/6/2022	13:16:15	D	8.60
178	MUKTSAR	MUKTSAR	npp	30.55010	74.52700	5/6/2022	13:16:15	D	4.90
179	MUKTSAR	MUKTSAR	npp	30.55410	74.69330	5/6/2022	13:16:15	D	14.40
180	MUKTSAR	MUKTSAR	npp	30.57570	74.40740	5/6/2022	13:16:15	D	18.60
181	MUKTSAR	MUKTSAR	npp	30.58870	74.65360	5/6/2022	13:16:15	D	15.30
182	MUKTSAR	MUKTSAR	npp	30.59230	74.65270	5/6/2022	13:16:15	D	15.30

183	MUKTSAR	MUKTSAR	npp	30.63900	74.51880	5/6/2022	13:16:15	D	11.40
184	MUKTSAR	MUKTSAR	npp	30.64260	74.51790	5/6/2022	13:16:15	D	10.60
185	MUKTSAR	MUKTSAR	Aqua	30.43200	74.58700	5/6/2022	13:20:40	D	34.10
186	MUKTSAR	MUKTSAR	Aqua	30.48800	74.46400	5/6/2022	13:20:40	D	23.70
187	SAS NAGAR (MOHALI)	DERABASSI	npp	30.62530	76.86120	5/6/2022	02:06:15	N	26.70
188	SAS NAGAR (MOHALI)	DERABASSI	Aqua	30.62200	76.86000	5/6/2022	02:27:48	N	51.40
189	TARN TARAN	CHOHLA SAHIB	npp	31.19290	74.97480	5/6/2022	13:16:15	D	9.10
190	TARN TARAN	CHOHLA SAHIB	npp	31.31610	75.05540	5/6/2022	13:16:15	D	12.30
191	TARN TARAN	GANDIWIND TATLA	npp	31.45060	74.71630	5/6/2022	13:16:15	D	5.20
192	TARN TARAN	GANDIWIND TATLA	npp	31.45140	74.72120	5/6/2022	13:16:15	D	5.20
193	TARN TARAN	GANDIWIND TATLA	npp	31.46050	74.68850	5/6/2022	13:16:15	D	15.30
194	TARN TARAN	KHADUR SAHIB	npp	31.44930	75.05600	5/6/2022	13:16:15	D	5.90
195	TARN TARAN	PATTI	npp	31.14820	74.79000	5/6/2022	13:16:15	D	5.90
196	TARN TARAN	PATTI	npp	31.19600	74.86600	5/6/2022	13:16:15	D	13.40
197	TARN TARAN	PATTI	npp	31.22020	74.87510	5/6/2022	13:16:15	D	16.30
198	TARN TARAN	PATTI	npp	31.24460	74.76320	5/6/2022	13:16:15	D	8.50
199	TARN TARAN	PATTI	Aqua	31.30900	74.79200	5/6/2022	13:20:40	D	22.70
200	TARN TARAN	TARN TARAN	Aqua	31.38800	74.84000	5/6/2022	13:20:40	D	24.00
201	TARN TARAN	TARN TARAN	Aqua	31.51000	74.93400	5/6/2022	13:20:40	D	27.50
202	TARN TARAN	VALTOHA	npp	31.13950	74.68010	5/6/2022	13:16:15	D	7.60

Details of wheat residue burning events in Haryana on 06-May-2022

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_DATE	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	FATEHABAD	BHUNA	Aqua	29.64700	75.71300	5/6/2022	13:20:40	D	16.10
2	YAMUNANAGAR	JAGADHRI	npp	30.07590	77.22280	5/6/2022	13:16:15	D	4.80

Details of wheat residue burning events in Uttar Pradesh on 06-May-2022

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_DATE	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	AURAIYA	BIDHUNA	npp	26.64100	79.47860	5/6/2022	02:06:15	N	3.40
2	AZAMGARH	LALGANJ	npp	25.80360	82.84140	5/6/2022	13:16:15	D	8.10
3	AZAMGARH	MEHNAGAR	npp	25.83440	83.21060	5/6/2022	13:16:15	D	4.20
4	BAHRAICH	MAHASI	npp	27.71290	81.41270	5/6/2022	13:16:15	D	4.10
5	BAHRAICH	NANPARA	npp	27.74130	81.46690	5/6/2022	13:16:15	D	3.80
6	BAHRAICH	NANPARA	npp	27.77080	81.42790	5/6/2022	13:16:15	D	5.10
7	BALLIA	BANSDIH	npp	25.84630	84.42430	5/6/2022	13:16:15	D	4.20
8	BALLIA	BANSDIH	npp	25.85010	84.42370	5/6/2022	13:16:15	D	4.20
9	BALLIA	BANSDIH	npp	25.85080	84.42890	5/6/2022	13:16:15	D	4.20
10	BALLIA	SIKANDARPUR	npp	26.01050	84.04240	5/6/2022	13:16:15	D	9.90
11	BALLIA	SIKANDARPUR	npp	26.01420	84.04190	5/6/2022	13:16:15	D	9.40
12	BALLIA	SIKANDARPUR	npp	26.03420	83.95890	5/6/2022	13:16:15	D	4.10
13	BALLIA	SIKANDARPUR	npp	26.03480	83.96380	5/6/2022	13:16:15	D	9.60
14	BALLIA	SIKANDARPUR	npp	26.04100	83.98280	5/6/2022	13:16:15	D	6.50
15	BALLIA	SIKANDARPUR	Aqua	26.03200	83.96100	5/6/2022	13:20:40	D	12.90
16	BALRAMPUR	TULSIPUR	npp	27.44620	82.67150	5/6/2022	13:16:15	D	6.80
17	BALRAMPUR	TULSIPUR	npp	27.44680	82.67600	5/6/2022	13:16:15	D	6.80
18	BALRAMPUR	TULSIPUR	npp	27.45350	82.61540	5/6/2022	13:16:15	D	4.30
19	BALRAMPUR	TULSIPUR	npp	27.48180	82.47460	5/6/2022	13:16:15	D	1.80
20	BALRAMPUR	UTRAULA	npp	27.09410	82.41910	5/6/2022	13:16:15	D	8.40
21	BIJNOR	AFZALGARH	npp	29.40860	78.67590	5/6/2022	13:16:15	D	2.10
22	CHANDAULI	SHAKALDIHA	npp	25.28120	83.20530	5/6/2022	13:16:15	D	6.20
23	CHANDAULI	SHAKALDIHA	npp	25.37180	83.32820	5/6/2022	13:16:15	D	7.30
24	CHANDAULI	SHAKALDIHA	Aqua	25.35600	83.18200	5/6/2022	13:20:40	D	8.70
25	DEORIA	BARHAJ	npp	26.25470	83.82490	5/6/2022	13:16:15	D	3.40
26	DEORIA	BARHAJ	npp	26.36240	83.69000	5/6/2022	13:16:15	D	5.80
27	DEORIA	BHATPAR RANI	npp	26.41000	83.95570	5/6/2022	13:16:15	D	3.20
28	DEORIA	BHATPAR RANI	Aqua	26.40700	83.95100	5/6/2022	13:20:40	D	11.20
29	DEORIA	DEORIA	npp	26.64100	83.77950	5/6/2022	13:16:15	D	10.80

30	DEORIA	DEORIA	npp	26.66810	83.81530	5/6/2022	13:16:15	D	7.30
31	DEORIA	SALEMPUR	npp	26.40940	83.95070	5/6/2022	13:16:15	D	7.10
32	GAZIPUR	JAKHANIA	npp	25.66350	83.43730	5/6/2022	13:16:15	D	5.70
33	GAZIPUR	JAKHANIA	npp	25.66710	83.43670	5/6/2022	13:16:15	D	5.30
34	GAZIPUR	MUHAMMADBAD	npp	25.76720	83.63490	5/6/2022	13:16:15	D	2.50
35	GAZIPUR	ZAMANIA	npp	25.47350	83.80450	5/6/2022	13:16:15	D	12.10
36	GAZIPUR	ZAMANIA	npp	25.54920	83.67020	5/6/2022	13:16:15	D	9.60
37	GAZIPUR	ZAMANIA	Aqua	25.45900	83.80500	5/6/2022	13:20:40	D	11.10
38	GORAKHPUR	BANSGAON	npp	26.57010	83.33370	5/6/2022	13:16:15	D	7.00
39	GORAKHPUR	BANSGAON	npp	26.57950	83.43720	5/6/2022	13:16:15	D	9.00
40	GORAKHPUR	CHAURI CHAURA	npp	26.63760	83.60250	5/6/2022	13:16:15	D	7.40
41	GORAKHPUR	CHAURI CHAURA	npp	26.64130	83.60190	5/6/2022	13:16:15	D	16.30
42	GORAKHPUR	GOLA	npp	26.40960	83.38410	5/6/2022	13:16:15	D	4.70
43	GORAKHPUR	GORAKHPUR	npp	26.88510	83.48260	5/6/2022	13:16:15	D	13.10
44	GORAKHPUR	KHAJNI	npp	26.44670	83.21020	5/6/2022	13:16:15	D	5.00
45	GORAKHPUR	KHAJNI	npp	26.45030	83.20960	5/6/2022	13:16:15	D	5.00
46	GORAKHPUR	KHAJNI	npp	26.61400	83.12210	5/6/2022	13:16:15	D	11.20
47	GORAKHPUR	KHAJNI	npp	26.61610	83.11970	5/6/2022	13:16:15	D	11.40
48	GORAKHPUR	KHAJNI	npp	26.66260	83.27400	5/6/2022	13:16:15	D	10.20
49	GORAKHPUR	SAHJANWA	npp	26.69170	83.15640	5/6/2022	13:16:15	D	4.10
50	GORAKHPUR	SAHJANWA	npp	26.69590	83.16040	5/6/2022	13:16:15	D	11.40
51	HARDOI	HARDOI	npp	27.41230	79.95200	5/6/2022	13:16:15	D	9.40
52	HARDOI	SANDILA	npp	27.29100	80.43390	5/6/2022	13:16:15	D	2.90
53	JHANSI	TAHRAULI	Aqua	25.48700	78.77000	5/6/2022	13:20:40	D	15.60
54	KAUSHAMBI	SIRATHU	Aqua	25.75000	81.38800	5/6/2022	13:20:40	D	18.50
55	KUSHINAGAR	HATA	npp	26.68110	83.66210	5/6/2022	13:16:15	D	4.90
56	KUSHINAGAR	HATA	npp	26.72770	83.67470	5/6/2022	13:16:15	D	11.80
57	KUSHINAGAR	HATA	npp	26.94880	83.69440	5/6/2022	13:16:15	D	5.70
58	KUSHINAGAR	KASAYA	npp	26.63140	84.04360	5/6/2022	13:16:15	D	3.60
59	KUSHINAGAR	KASAYA	npp	26.67520	84.02680	5/6/2022	13:16:15	D	10.40
60	KUSHINAGAR	PADRAUNA	npp	27.04680	83.83260	5/6/2022	13:16:15	D	7.80
61	KUSHINAGAR	PADRAUNA	npp	27.05200	83.93910	5/6/2022	13:16:15	D	4.00
62	LALITPUR	LALITPUR	npp	24.40930	78.32730	5/6/2022	02:06:15	N	0.70

63	LALITPUR	LALITPUR	npp	24.69310	78.34550	5/6/2022	02:06:15	N	0.60
64	MAHARAJGANJ	MAHARAJGANJ	npp	27.05090	83.38110	5/6/2022	13:16:15	D	6.40
65	MAHARAJGANJ	PHARENDA	npp	27.15210	83.16040	5/6/2022	13:16:15	D	11.50
66	MAHARAJGANJ	PHARENDA	npp	27.25020	83.22850	5/6/2022	13:16:15	D	7.00
67	MAU	GHOSI	npp	26.08870	83.57160	5/6/2022	13:16:15	D	4.30
68	MIRZAPUR	CHUNAR	npp	25.10850	83.09150	5/6/2022	13:16:15	D	6.70
69	MIRZAPUR	CHUNAR	Aqua	25.10300	83.09100	5/6/2022	13:20:40	D	10.20
70	PILHIBHIT	PURANPUR	npp	28.46330	80.08230	5/6/2022	13:16:15	D	10.40
71	PILHIBHIT	PURANPUR	npp	28.52430	79.94550	5/6/2022	13:16:15	D	2.60
72	PILHIBHIT	PURANPUR	npp	28.53820	80.04000	5/6/2022	13:16:15	D	8.30
73	PILHIBHIT	PURANPUR	npp	28.54150	80.03940	5/6/2022	13:16:15	D	13.10
74	PILHIBHIT	PURANPUR	npp	28.54840	80.39250	5/6/2022	13:16:15	D	4.20
75	PILHIBHIT	PURANPUR	npp	28.61120	80.03450	5/6/2022	13:16:15	D	5.30
76	PILHIBHIT	PURANPUR	npp	28.62610	80.23110	5/6/2022	13:16:15	D	6.80
77	PILHIBHIT	PURANPUR	npp	28.66780	80.23550	5/6/2022	13:16:15	D	10.20
78	PRATAPGARH	PATTI	npp	25.74000	81.96980	5/6/2022	13:16:15	D	10.30
79	RAIBEARELI	SALON	npp	26.18790	81.46270	5/6/2022	13:16:15	D	3.50
80	RAMPUR	BILASPUR	npp	28.81070	79.35080	5/6/2022	13:16:15	D	8.00
81	RAMPUR	TANDA	npp	29.00670	78.93560	5/6/2022	02:06:15	N	1.10
82	SANTKABIRNAGAR	GHANGHATA	npp	26.58610	82.84600	5/6/2022	13:16:15	D	9.00
83	SANTKABIRNAGAR	GHANGHATA	npp	26.64650	83.06110	5/6/2022	13:16:15	D	8.00
84	SANTKABIRNAGAR	GHANGHATA	npp	26.68650	83.00390	5/6/2022	13:16:15	D	9.80
85	SANTKABIRNAGAR	KHALILABAD	npp	26.64280	83.08960	5/6/2022	13:16:15	D	4.70
86	SANTKABIRNAGAR	KHALILABAD	npp	26.85400	83.08690	5/6/2022	13:16:15	D	10.50
87	SHAHJAHANPUR	PUWANYA	npp	28.12950	80.11110	5/6/2022	13:16:15	D	8.10
88	SHAHJAHANPUR	PUWANYA	npp	28.18160	80.00940	5/6/2022	13:16:15	D	5.10
89	SHAHJAHANPUR	PUWANYA	npp	28.20120	80.05010	5/6/2022	13:16:15	D	8.30
90	SHAHJAHANPUR	PUWANYA	npp	28.28110	80.18100	5/6/2022	13:16:15	D	16.10
91	SHAHJAHANPUR	PUWANYA	npp	28.28440	80.18040	5/6/2022	13:16:15	D	10.50
92	SHAHJAHANPUR	PUWANYA	npp	28.28770	80.17980	5/6/2022	13:16:15	D	10.50
93	SHAHJAHANPUR	PUWANYA	Aqua	28.28000	80.17800	5/6/2022	13:20:40	D	26.90
94	SHRAWASTI	BHINGA	npp	27.64000	82.04650	5/6/2022	13:16:15	D	4.30
95	SHRAWASTI	BHINGA	npp	27.65210	82.08390	5/6/2022	13:16:15	D	5.10

96	SHRAWASTI	BHINGA	npp	27.70630	82.08030	5/6/2022	13:16:15	D	5.60
97	SHRAWASTI	BHINGA	npp	27.77360	82.13070	5/6/2022	13:16:15	D	3.90
98	SHRAWASTI	IKAUNA	npp	27.52790	81.84380	5/6/2022	13:16:15	D	5.10
99	SIDDHARTHANAGAR	DOMARIYAGANJ	npp	27.23060	82.58580	5/6/2022	13:16:15	D	9.00
100	SIDDHARTHANAGAR	ITWA	npp	27.28770	82.71760	5/6/2022	13:16:15	D	10.80
101	SIDDHARTHANAGAR	ITWA	npp	27.41240	82.68040	5/6/2022	13:16:15	D	6.40
102	SIDDHARTHANAGAR	NAUGARH	npp	27.21600	83.02030	5/6/2022	13:16:15	D	4.00
103	SIDDHARTHANAGAR	NAUGARH	npp	27.32190	83.06600	5/6/2022	13:16:15	D	9.20
104	SIDDHARTHANAGAR	NAUGARH	npp	27.34350	83.20560	5/6/2022	13:16:15	D	7.70
105	SIDDHARTHANAGAR	SHOHRATGARH	npp	27.34240	82.96850	5/6/2022	13:16:15	D	7.10
106	SIDDHARTHANAGAR	SHOHRATGARH	npp	27.48740	82.82180	5/6/2022	13:16:15	D	7.00
107	UNNAO	UNNAO	npp	26.43770	80.65490	5/6/2022	13:16:15	D	5.70

Details of wheat residue burning events in Madhya Pradesh on 06-May-2022

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_DATE	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	ASHOKNAGAR	ASHOKNAGAR	npp	24.54660	77.51900	5/6/2022	02:06:15	N	1.10
2	ASHOKNAGAR	ASHOKNAGAR	npp	24.57180	77.76380	5/6/2022	02:06:15	N	2.90
3	ASHOKNAGAR	ASHOKNAGAR	npp	24.57300	77.75620	5/6/2022	02:06:15	N	1.40
4	ASHOKNAGAR	ASHOKNAGAR	npp	24.62310	77.55340	5/6/2022	02:06:15	N	2.20
5	ASHOKNAGAR	ASHOKNAGAR	npp	24.62370	77.54960	5/6/2022	02:06:15	N	2.90
6	ASHOKNAGAR	ISAGARH	npp	24.66530	77.71020	5/6/2022	02:06:15	N	0.90
7	ASHOKNAGAR	MUNGAOLI	npp	24.51980	78.05960	5/6/2022	02:06:15	N	0.60
8	BETUL	BETUL	npp	22.00620	77.73580	5/6/2022	02:06:15	N	1.00
9	BETUL	SHAHPUR	npp	22.14380	77.95400	5/6/2022	13:16:15	D	8.40
10	BHOPAL	BERASIYA	npp	23.54600	77.43880	5/6/2022	02:06:15	N	0.70
11	BHOPAL	BERASIYA	npp	23.75860	77.21290	5/6/2022	02:06:15	N	0.70
12	BHOPAL	HUZUR	npp	23.40960	77.35890	5/6/2022	02:06:15	N	1.70
13	BHOPAL	HUZUR	npp	23.41490	77.41060	5/6/2022	02:06:15	N	1.50
14	CHHATARPUR	BARAMALEHRA	npp	24.51780	79.29420	5/6/2022	02:06:15	N	1.60
15	CHHATARPUR	BARAMALEHRA	npp	24.51850	79.29000	5/6/2022	02:06:15	N	1.40

16	CHHATARPUR	BARAMALEHRA	npp	24.52120	79.29490	5/6/2022	02:06:15	N	7.80
17	CHHATARPUR	BARAMALEHRA	npp	24.52600	79.20560	5/6/2022	02:06:15	N	0.70
18	CHHINDWARA	AMARWARA	npp	22.28530	79.18610	5/6/2022	02:06:15	N	1.40
19	CHHINDWARA	CHAURAI	npp	22.01470	79.25940	5/6/2022	02:06:15	N	0.90
20	CHHINDWARA	CHHINDWARA	npp	22.11170	78.99400	5/6/2022	02:06:15	N	1.10
21	CHHINDWARA	PARASIA	npp	22.21810	78.75630	5/6/2022	02:06:15	N	0.50
22	CHHINDWARA	PARASIA	npp	22.24070	78.83370	5/6/2022	02:06:15	N	0.60
23	CHHINDWARA	PARASIA	npp	22.24190	78.83310	5/6/2022	02:06:15	N	0.70
24	DAMOH	HATTA	npp	24.14170	79.78010	5/6/2022	02:06:15	N	0.80
25	DAMOH	HATTA	npp	24.14340	79.77810	5/6/2022	02:06:15	N	0.90
26	DAMOH	JABERA	npp	23.53430	79.68640	5/6/2022	02:06:15	N	1.70
27	DAMOH	PATHARIA	npp	24.00620	79.19120	5/6/2022	02:06:15	N	1.00
28	DATIA	DATIA	npp	25.66290	78.56940	5/6/2022	02:06:15	N	2.00
29	DATIA	DATIA	Aqua	25.75400	78.52200	5/6/2022	13:20:40	D	23.90
30	DEWAS	DEWAS	npp	22.85050	76.18760	5/6/2022	02:06:15	N	1.90
31	DEWAS	SONKACH	npp	23.02010	76.40110	5/6/2022	02:06:15	N	1.10
32	DEWAS	TONK KHURD	npp	23.10680	76.12920	5/6/2022	02:06:15	N	2.50
33	DHAR	BADNAWAR	npp	22.76990	75.20970	5/6/2022	02:06:15	N	1.40
34	DHAR	BADNAWAR	npp	22.77080	75.24890	5/6/2022	02:06:15	N	0.40
35	DHAR	BADNAWAR	npp	22.77320	75.21030	5/6/2022	02:06:15	N	1.00
36	DHAR	SARDARPUR	npp	22.68400	74.89250	5/6/2022	13:16:15	D	11.70
37	GUNA	ARON	npp	24.26940	77.43210	5/6/2022	02:06:15	N	1.20
38	GUNA	ARON	npp	24.40110	77.41420	5/6/2022	02:06:15	N	2.10
39	GUNA	GUNA	npp	24.46260	77.39020	5/6/2022	02:06:15	N	0.60
40	GUNA	GUNA	npp	24.59440	77.13780	5/6/2022	02:06:15	N	1.10
41	GUNA	GUNA	npp	24.59770	77.13840	5/6/2022	02:06:15	N	1.10
42	GUNA	GUNA	npp	24.69000	77.49490	5/6/2022	02:06:15	N	0.60
43	GUNA	GUNA	npp	24.70870	77.50640	5/6/2022	02:06:15	N	0.40
44	GUNA	GUNA	npp	24.70930	77.50260	5/6/2022	02:06:15	N	1.00
45	GUNA	GUNA	npp	24.78270	77.46500	5/6/2022	02:06:15	N	0.30
46	GUNA	GUNA	npp	24.78330	77.46120	5/6/2022	02:06:15	N	1.30
47	GUNA	RAGHOGARH	npp	23.96390	77.20050	5/6/2022	02:06:15	N	0.70
48	GUNA	RAGHOGARH	npp	24.31960	77.18440	5/6/2022	02:06:15	N	0.40

49	GWALIOR	BHITARWAR	npp	25.97410	78.04620	5/6/2022	02:06:15	N	0.70
50	GWALIOR	BHITARWAR	npp	25.97580	78.09840	5/6/2022	02:06:15	N	0.70
51	GWALIOR	DABRA	npp	25.87850	78.26020	5/6/2022	02:06:15	N	1.90
52	GWALIOR	DABRA	npp	25.88190	78.26090	5/6/2022	02:06:15	N	1.90
53	GWALIOR	DABRA	npp	25.88430	78.22530	5/6/2022	02:06:15	N	0.90
54	GWALIOR	DABRA	npp	25.88520	78.26160	5/6/2022	02:06:15	N	2.20
55	HARDA	HARDA	npp	22.30490	77.04000	5/6/2022	02:06:15	N	1.30
56	HARDA	HARDA	npp	22.45900	77.04820	5/6/2022	02:06:15	N	1.50
57	HARDA	KHIRKIYAN	npp	22.25310	76.93780	5/6/2022	02:06:15	N	1.70
58	HARDA	KHIRKIYAN	npp	22.26430	76.97450	5/6/2022	02:06:15	N	3.10
59	INDORE	DEPALPUR	npp	22.83100	75.52360	5/6/2022	02:06:15	N	1.30
60	INDORE	DEPALPUR	npp	22.84590	75.48850	5/6/2022	13:16:15	D	13.80
61	INDORE	DEPALPUR	npp	23.01020	75.47610	5/6/2022	02:06:15	N	1.80
62	INDORE	DEPALPUR	npp	23.01350	75.47670	5/6/2022	02:06:15	N	1.80
63	INDORE	SANWER	npp	22.83670	75.70990	5/6/2022	02:06:15	N	0.50
64	JABALPUR	MAJHOULI	npp	23.54430	79.89950	5/6/2022	02:06:15	N	2.40
65	JABALPUR	SAHPURA	npp	23.24530	79.51870	5/6/2022	02:06:15	N	2.00
66	JABALPUR	SAHPURA	npp	23.24680	79.51000	5/6/2022	02:06:15	N	1.60
67	MANDSAUR	MANDSAUR	npp	24.07190	74.97090	5/6/2022	13:16:15	D	11.00
68	MANDSAUR	MANDSAUR	Aqua	24.06800	74.97200	5/6/2022	13:20:40	D	60.10
69	RAISEN	BAGAMGANJ	npp	23.56750	78.40710	5/6/2022	13:16:15	D	25.20
70	RAISEN	BAGAMGANJ	npp	23.57140	78.38720	5/6/2022	02:06:15	N	0.70
71	RAISEN	BAGAMGANJ	npp	23.57200	78.34240	5/6/2022	02:06:15	N	1.30
72	RAISEN	BARELI	npp	23.05110	78.29380	5/6/2022	02:06:15	N	1.40
73	RAISEN	RAISEN	npp	23.33560	77.78880	5/6/2022	02:06:15	N	0.70
74	RAISEN	RAISEN	npp	23.40330	77.80500	5/6/2022	02:06:15	N	1.20
75	RAISEN	RAISEN	npp	23.43690	77.74810	5/6/2022	02:06:15	N	0.80
76	RAISEN	RAISEN	npp	23.43750	77.74430	5/6/2022	02:06:15	N	1.70
77	RAISEN	RAISEN	npp	23.44080	77.74490	5/6/2022	02:06:15	N	1.70
78	RAISEN	RAISEN	npp	23.48750	77.67100	5/6/2022	02:06:15	N	3.10
79	RAISEN	RAISEN	Aqua	23.44500	77.74200	5/6/2022	02:27:48	N	9.60
80	RAJGARH	BIYAVRA	npp	23.92740	77.13560	5/6/2022	02:06:15	N	0.50
81	RAJGARH	JIRAPUR	npp	23.92710	76.42860	5/6/2022	02:06:15	N	1.40

82	RAJGARH	NARSINGHGAR	npp	23.48300	77.03120	5/6/2022	02:06:15	N	1.00
83	RAJGARH	NARSINGHGAR	npp	23.48630	77.03180	5/6/2022	02:06:15	N	1.00
84	RAJGARH	NARSINGHGAR	npp	23.48690	77.02810	5/6/2022	02:06:15	N	1.30
85	RAJGARH	SARANGPUR	npp	23.56470	76.49510	5/6/2022	02:06:15	N	1.00
86	RAJGARH	SARANGPUR	Aqua	23.65300	76.43600	5/6/2022	02:27:48	N	6.10
87	RATLAM	PIPLODA	npp	23.56930	75.01960	5/6/2022	02:06:15	N	2.50
88	REWA	GURH	npp	24.50480	81.47240	5/6/2022	02:06:15	N	0.80
89	SAGAR	GARHAKOTA	npp	23.82290	79.09640	5/6/2022	02:06:15	N	1.10
90	SAGAR	KHURAI	npp	23.95380	78.30210	5/6/2022	02:06:15	N	0.30
91	SAGAR	KHURAI	npp	24.10400	78.37050	5/6/2022	02:06:15	N	1.20
92	SAGAR	KHURAI	npp	24.13900	78.34900	5/6/2022	02:06:15	N	2.20
93	SAGAR	RAHAT GARH	npp	23.83690	78.30820	5/6/2022	02:06:15	N	0.70
94	SAGAR	SAGAR	npp	23.78680	78.52300	5/6/2022	02:06:15	N	0.60
95	SATNA	R>MPURBAGHLEAN	npp	24.38900	80.88910	5/6/2022	02:06:15	N	1.80
96	SATNA	R>MPURBAGHLEAN	npp	24.71060	81.11390	5/6/2022	13:16:15	D	21.60
97	SATNA	R>MPURBAGHLEAN	npp	24.71340	81.10940	5/6/2022	13:16:15	D	21.60
98	SATNA	R>MPURBAGHLEAN	npp	24.71400	81.11330	5/6/2022	13:16:15	D	21.60
99	SATNA	R>MPURBAGHLEAN	npp	24.71670	81.10880	5/6/2022	13:16:15	D	11.70
100	SATNA	RAGUR>JNAGAR	npp	24.66550	80.71940	5/6/2022	02:06:15	N	1.40
101	SEHORE	AASHTA	npp	22.85000	76.63070	5/6/2022	13:16:15	D	13.40
102	SEHORE	BUDHNI	npp	22.89930	78.00700	5/6/2022	02:06:15	N	0.50
103	SEHORE	SEHORE	npp	23.21740	77.12120	5/6/2022	02:06:15	N	1.00
104	SEHORE	SEHORE	npp	23.26600	77.01050	5/6/2022	02:06:15	N	0.90
105	SEHORE	SEHORE	npp	23.41380	77.12260	5/6/2022	02:06:15	N	1.30
106	SEHORE	SEHORE	npp	23.41440	77.11890	5/6/2022	02:06:15	N	1.30
107	SEHORE	SEHORE	npp	23.41650	77.12700	5/6/2022	02:06:15	N	0.50
108	SEHORE	SEHORE	npp	23.41710	77.12330	5/6/2022	02:06:15	N	1.10
109	SEHORE	SEHORE	npp	23.41740	77.14270	5/6/2022	02:06:15	N	0.80
110	SEHORE	SEHORE	npp	23.41770	77.11950	5/6/2022	02:06:15	N	1.10
111	SEHORE	SEHORE	npp	23.42040	77.12390	5/6/2022	02:06:15	N	1.10
112	SEHORE	SEHORE	npp	23.42070	77.14330	5/6/2022	02:06:15	N	0.50
113	SEHORE	SEHORE	npp	23.44210	77.11640	5/6/2022	02:06:15	N	0.90
114	SEHORE	SEHORE	npp	23.46910	77.16020	5/6/2022	02:06:15	N	1.60

115	SEHORE	SEHORE	npp	23.47240	77.16090	5/6/2022	02:06:15	N	2.30
116	SEONI	GHANSAUR	npp	22.45310	79.87400	5/6/2022	02:06:15	N	2.90
117	SEONI	GHANSAUR	npp	22.61840	79.95630	5/6/2022	02:06:15	N	1.70
118	SEONI	KEWLARI	npp	22.47000	80.02860	5/6/2022	02:06:15	N	1.90
119	SEONI	SEONI	npp	22.05960	79.45200	5/6/2022	02:06:15	N	0.80
120	SEONI	SEONI	npp	22.06960	79.45860	5/6/2022	02:06:15	N	0.60
121	SEONI	SEONI	npp	22.26110	79.81530	5/6/2022	02:06:15	N	1.40
122	SEONI	SEONI	npp	22.29370	79.73750	5/6/2022	02:06:15	N	0.70
123	SEONI	SEONI	npp	22.29450	79.73540	5/6/2022	02:06:15	N	0.90
124	SHAH DOL	JASINGH NAGAR	npp	23.97230	81.30820	5/6/2022	13:16:15	D	5.90
125	SHAJAPUR	AGAR	npp	23.56390	75.92320	5/6/2022	13:16:15	D	18.40
126	SHAJAPUR	BAROUD	npp	23.78390	75.75300	5/6/2022	02:06:15	N	1.10
127	SHAJAPUR	BAROUD	npp	23.78780	75.74980	5/6/2022	02:06:15	N	0.90
128	SHAJAPUR	GULNA	npp	23.50900	76.51520	5/6/2022	13:16:15	D	34.80
129	SHAJAPUR	GULNA	npp	23.51270	76.51440	5/6/2022	13:16:15	D	34.80
130	SHAJAPUR	MOMAN BARODIY	npp	23.64650	76.42460	5/6/2022	02:06:15	N	1.40
131	SHAJAPUR	MOMAN BARODIY	npp	23.64980	76.42520	5/6/2022	02:06:15	N	2.00
132	SHAJAPUR	MOMAN BARODIY	npp	23.65040	76.42150	5/6/2022	02:06:15	N	2.00
133	SHAJAPUR	MOMAN BARODIY	Aqua	23.65500	76.42500	5/6/2022	02:27:48	N	12.90
134	SHAJAPUR	SHAJAPUR	npp	23.43920	76.29890	5/6/2022	02:06:15	N	0.80
135	SHAJAPUR	SHAJAPUR	Aqua	23.46800	76.31700	5/6/2022	13:20:40	D	34.70
136	SHEOPUR	KARAHAL	npp	25.47250	76.75020	5/6/2022	02:06:15	N	1.90
137	SHEOPUR	SHEOPUR	npp	25.77760	76.63600	5/6/2022	02:06:15	N	0.50
138	SHEOPUR	SHEOPUR	npp	25.78150	76.63290	5/6/2022	02:06:15	N	0.50
139	SHIVPURI	KOLARAS	npp	25.12180	77.67860	5/6/2022	02:06:15	N	0.70
140	SINGRAULI	CHITRANGI	npp	24.47800	82.45490	5/6/2022	13:16:15	D	8.80
141	UJJAIN	GHATIYA	npp	23.31930	75.75800	5/6/2022	02:06:15	N	0.60
142	UJJAIN	GHATIYA	npp	23.32160	75.72460	5/6/2022	13:16:15	D	18.70
143	UJJAIN	MEHIDPUR	npp	23.41530	75.75120	5/6/2022	02:06:15	N	1.00
144	UJJAIN	MEHIDPUR	npp	23.60420	75.69070	5/6/2022	02:06:15	N	0.80
145	UJJAIN	NAGDA	npp	23.30030	75.55370	5/6/2022	02:06:15	N	1.90
146	UJJAIN	NAGDA	npp	23.42720	75.58220	5/6/2022	02:06:15	N	1.60
147	UJJAIN	TARANA	npp	23.46310	75.97260	5/6/2022	02:06:15	N	0.70

148	UJJAIN	UJJAIN	npp	23.08910	75.69090	5/6/2022	02:06:15	N	0.70
149	UMARIA	MANPUR	npp	24.02230	80.98500	5/6/2022	13:16:15	D	8.10
150	VIDESHA	BASODA	npp	23.84690	78.14440	5/6/2022	02:06:15	N	0.60
151	VIDESHA	GYARASPUR	npp	23.59160	77.90840	5/6/2022	02:06:15	N	1.10
152	VIDESHA	GYARASPUR	npp	23.59240	77.91150	5/6/2022	02:06:15	N	0.70
153	VIDESHA	KORWAI	npp	23.91260	78.25740	5/6/2022	02:06:15	N	3.10
154	VIDESHA	LETERI	npp	23.96390	77.45390	5/6/2022	02:06:15	N	0.70
155	VIDESHA	LETERI	npp	24.18800	77.38980	5/6/2022	02:06:15	N	0.60
156	VIDESHA	NATERAN	npp	23.80130	77.55600	5/6/2022	02:06:15	N	1.20
157	VIDESHA	SIRANJ	npp	24.11300	77.59860	5/6/2022	02:06:15	N	1.30
158	VIDESHA	VIDESHA	npp	23.47810	77.81160	5/6/2022	02:06:15	N	1.40
159	VIDESHA	VIDESHA	npp	23.48940	77.80580	5/6/2022	02:06:15	N	0.80
160	VIDESHA	VIDESHA	npp	23.48960	77.96030	5/6/2022	02:06:15	N	3.20
161	VIDESHA	VIDESHA	npp	23.53750	77.81830	5/6/2022	02:06:15	N	1.10
162	VIDESHA	VIDESHA	npp	23.55500	77.83760	5/6/2022	02:06:15	N	1.20
163	VIDESHA	VIDESHA	npp	23.55620	77.74670	5/6/2022	02:06:15	N	0.40
164	VIDESHA	VIDESHA	npp	23.58950	77.67020	5/6/2022	02:06:15	N	1.10
165	VIDESHA	VIDESHA	npp	23.59220	77.67470	5/6/2022	02:06:15	N	0.60
166	VIDESHA	VIDESHA	npp	23.62440	77.80250	5/6/2022	02:06:15	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 masks for the Punjab and Haryana were provided by MNCFC, MoA&FW, Govt of India
The rabi crop masks for Delhi, Uttar Pradesh and Madhya Pradesh were provided by NRSC (ISRO)**

Study Team

ICAR – HQ	Dr S.N. Jha	DDG (AG. ENGG.)	ddgengg@icar.org.in
	Dr S. Bhasker	ADG (NRM)	adgagroandaf@gmail.com
	Dr K.K. Singh	ADG (AG. ENGG)	kanchansingh044@gmail.com
ICAR - IARI	Dr V.K. Sehgal	Pr. Scientist & Nodal Officer	iaricreams@gmail.com
	Dr Rajkumar Dhakar	Scientist	raidhakar.iari@gmail.com
	Mr Mohd Jahangir	Lab Assistant (KRISHI)	mjahangir198@gmail.com
ICAR - ATARI	Dr Rajbir Singh	Director ATARI (Zone-I) Ludhiana	rajbirsingh.zpd@gmail.com
	Dr S.K. Singh	Director ATARI (Zone-II) Jodhpur	sushilsinghiipr@yahoo.co.in
	Dr Atar Singh	Director ATARI (Zone-III) Kanpur	zpdicarkanpur@gmail.com
ICAR - IASRI	Dr Rajender Parsad	Director	rajender.parsad@icar.gov.in

**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)**
