



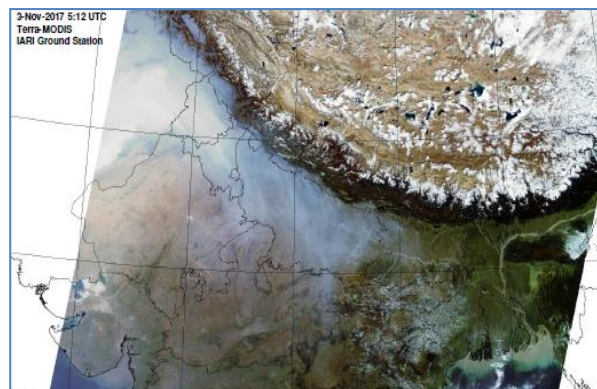
**Bulletin
No. 39**

**Events Date:
09-May-2022**

**Issued on:
10-May-2022**



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



Prepared by:

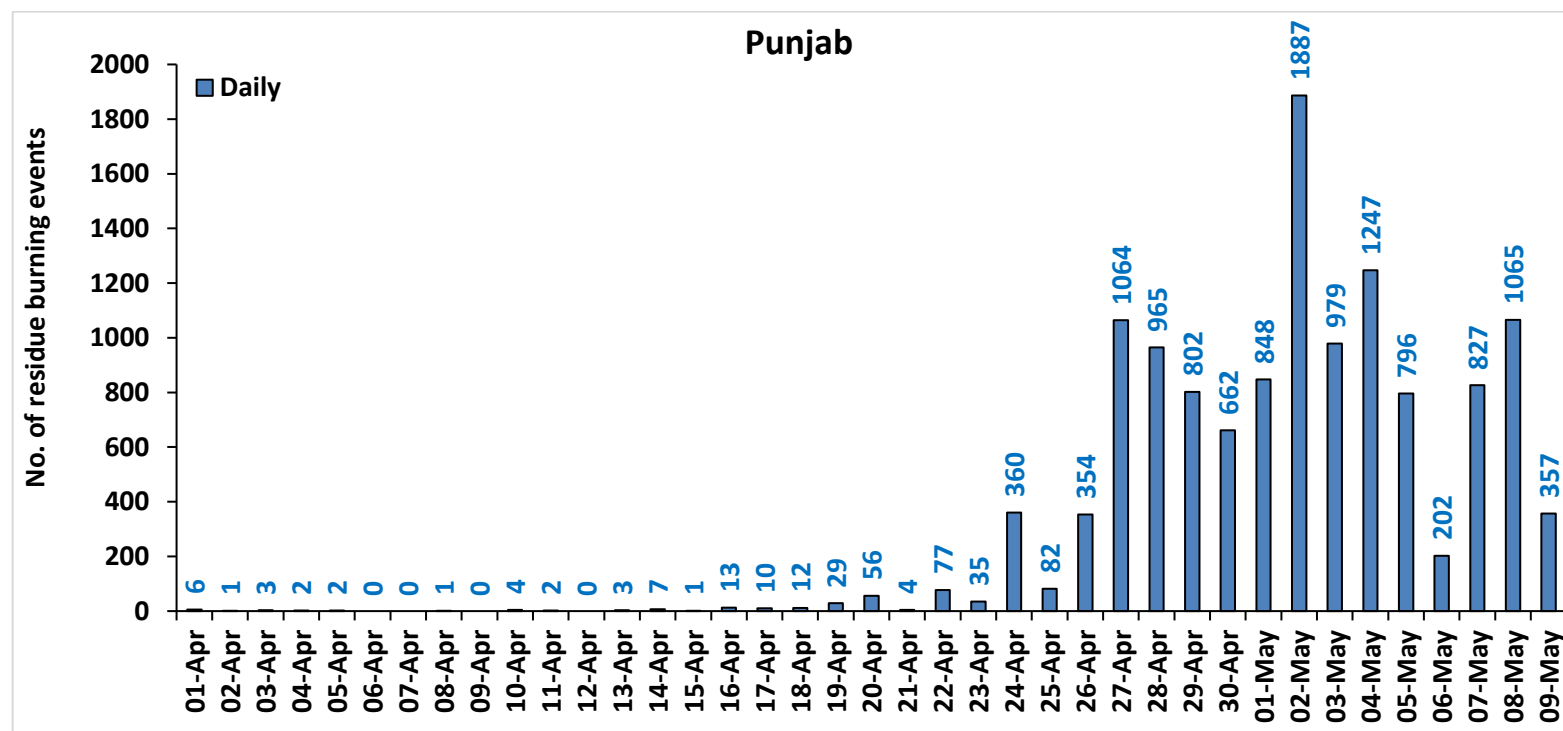
**Consortium for Research on Agroecosystem Monitoring and Modeling from Space (CREAMS) Laboratory,
Division of Agricultural Physics, ICAR – Indian Agricultural Research Institute, New Delhi – 110012**

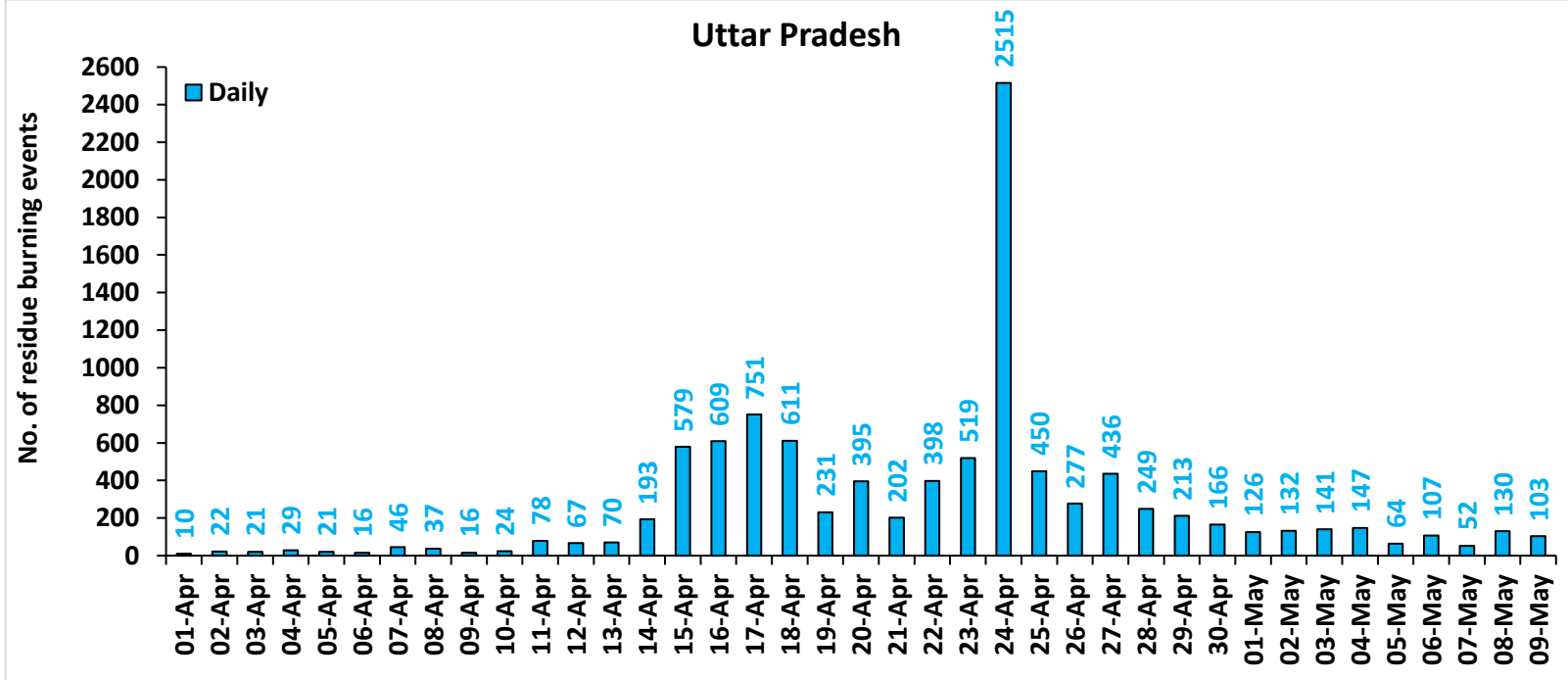
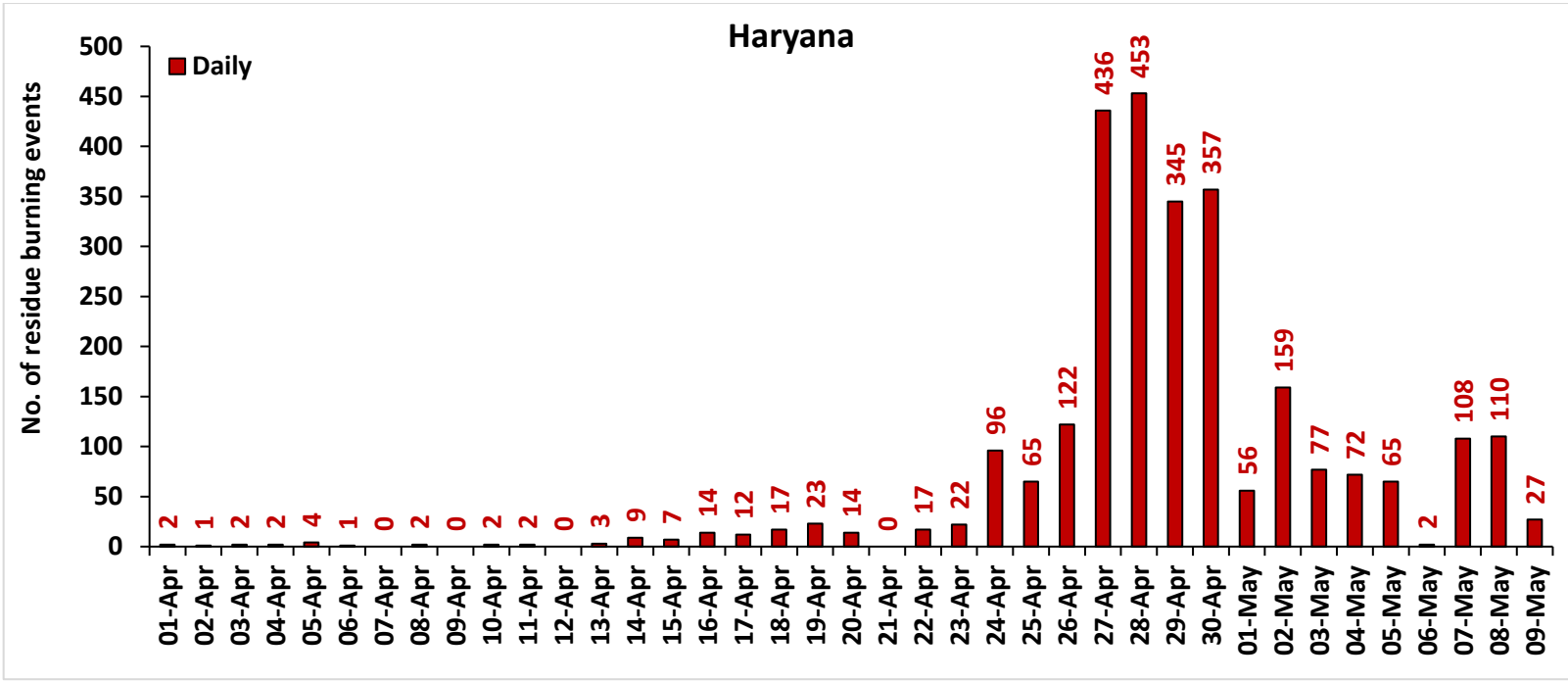
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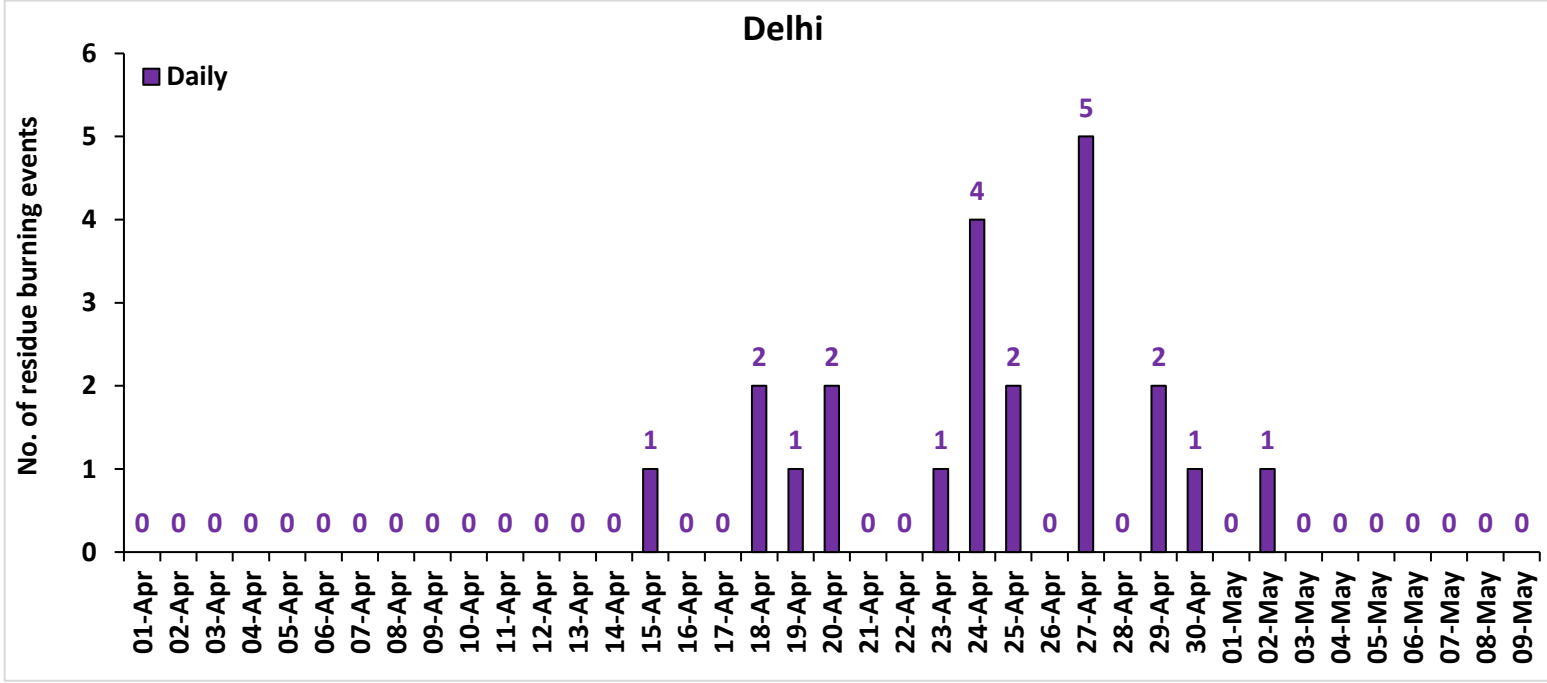
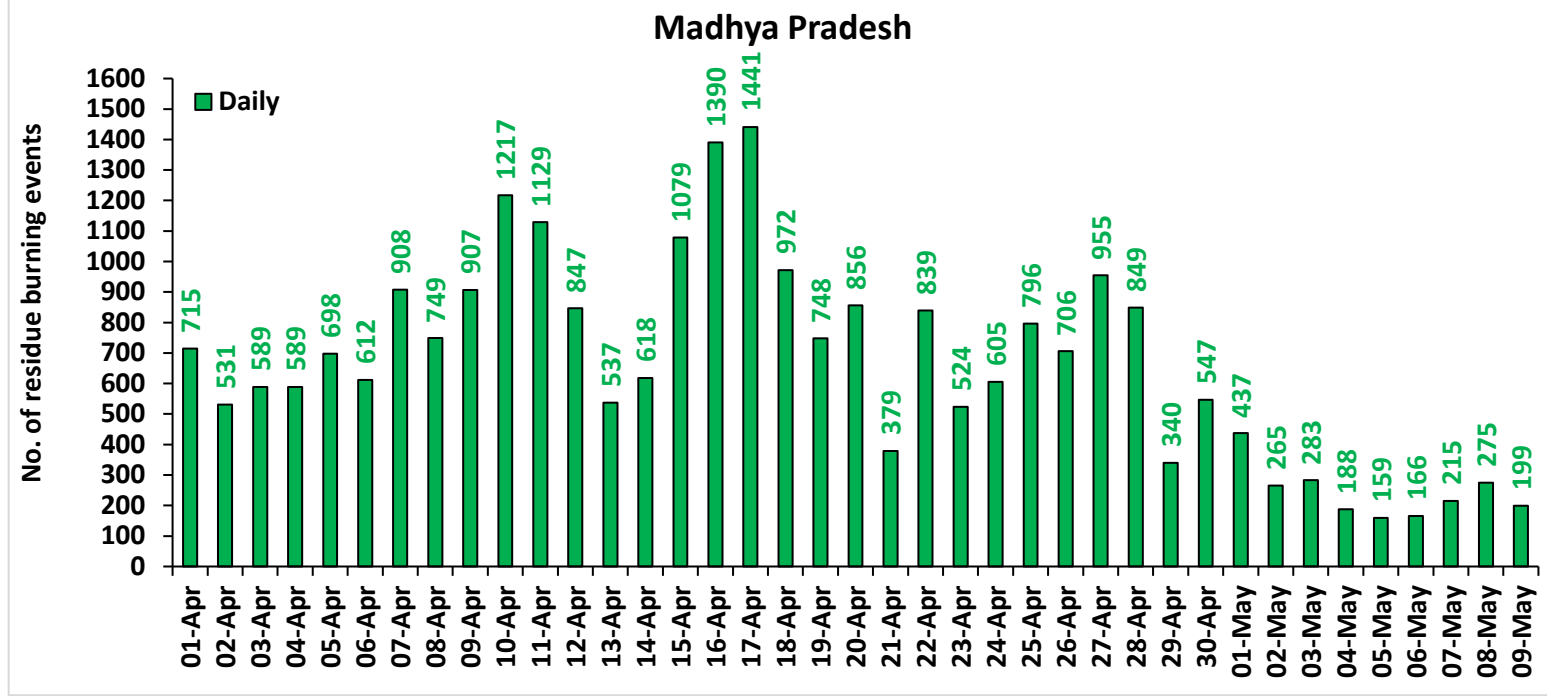
Highlights for 09-May-2022

- 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 **686** residue burning events in the five study States on 09-May-2022.
- The state wise events detected on 09-May-2022 were **357** in Punjab, **27** in Haryana, **00** in Delhi, **103** in Uttar Pradesh and **199** in Madhya Pradesh.
- The number of events has decreased from **1580** on 08-May-2022 to **686** on 09-May-2022 in the five study states.
- Total **51605** burning events were detected in the five states between 01-Apr-2022 and 09-May-2022, which are distributed as **12765**, **2706**, **10253**, **22**, and **25859** in Punjab, Haryana, UP, Delhi, and MP, respectively.

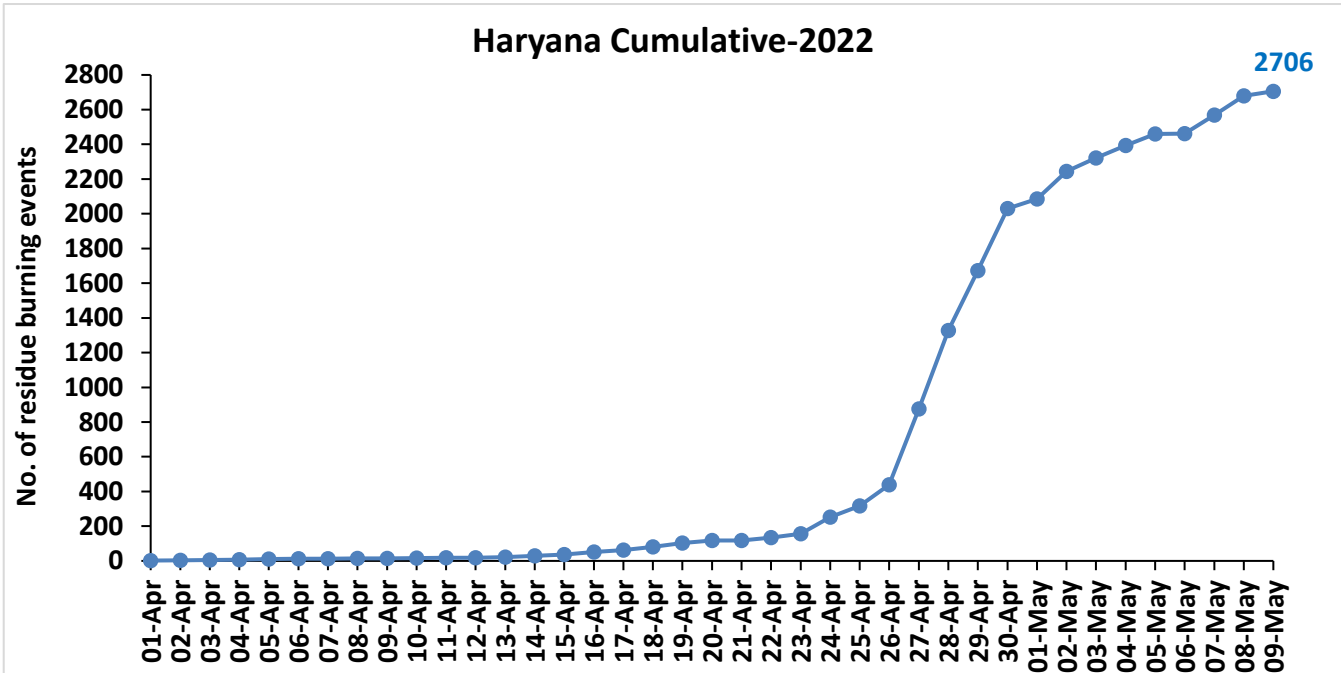
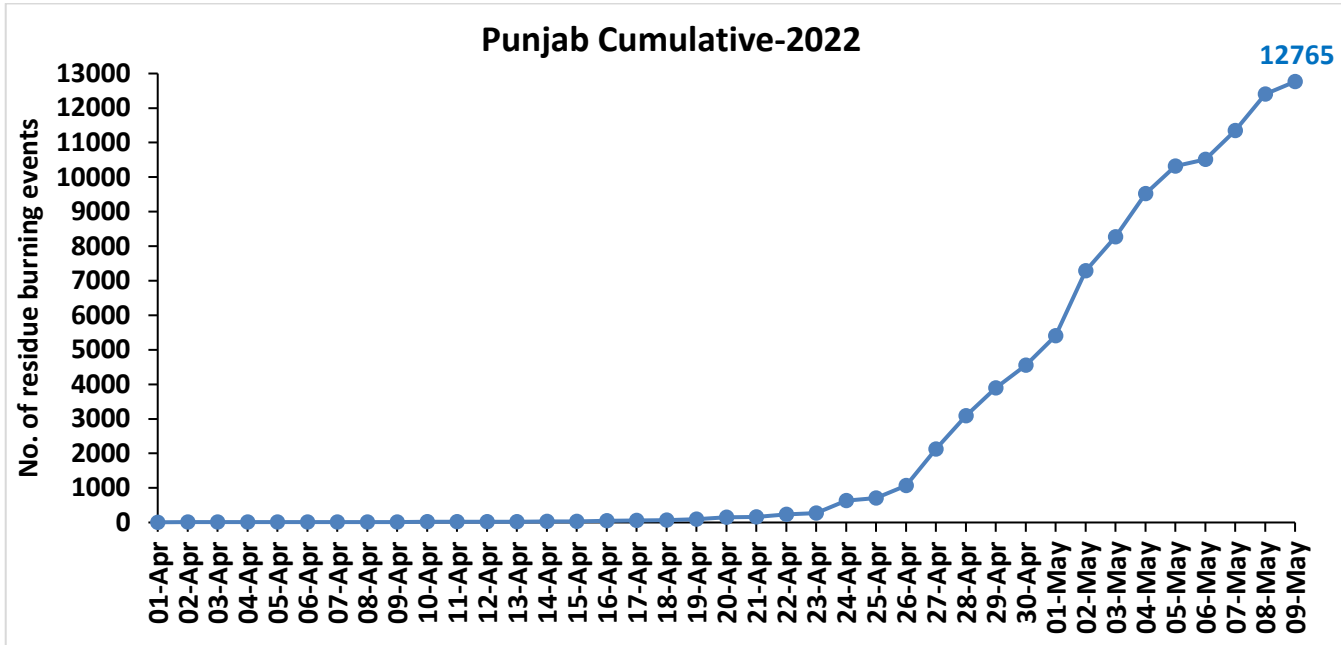
Temporal distribution of wheat residue burning events for the study States in 2022



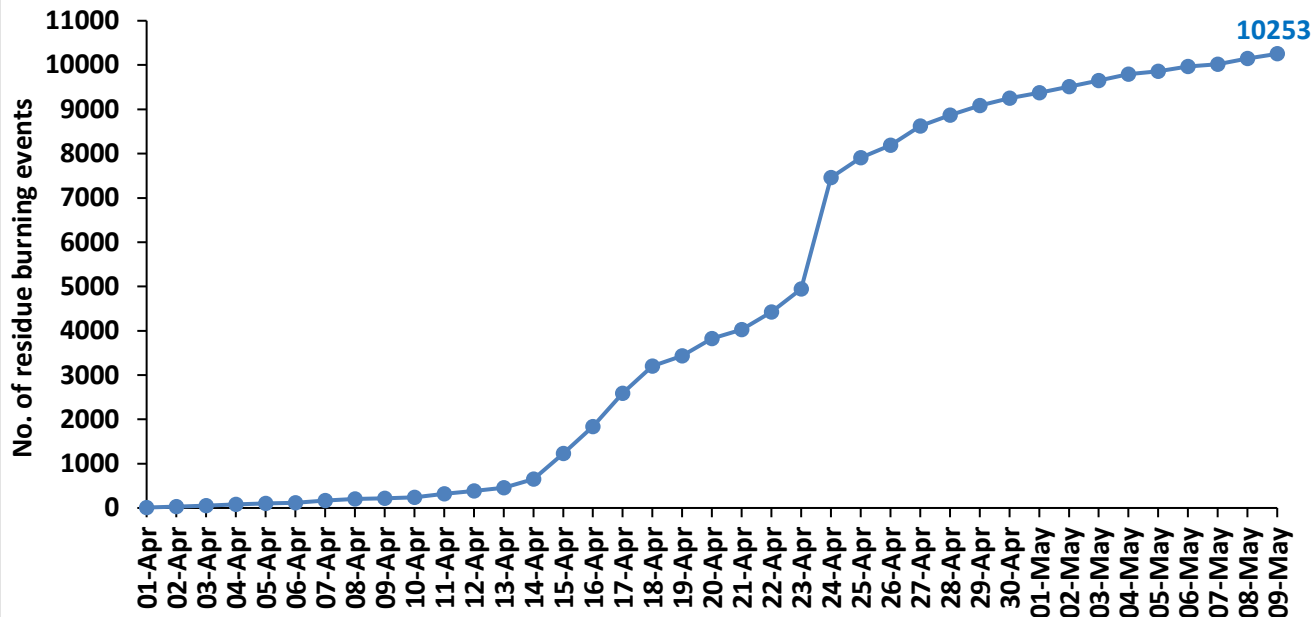




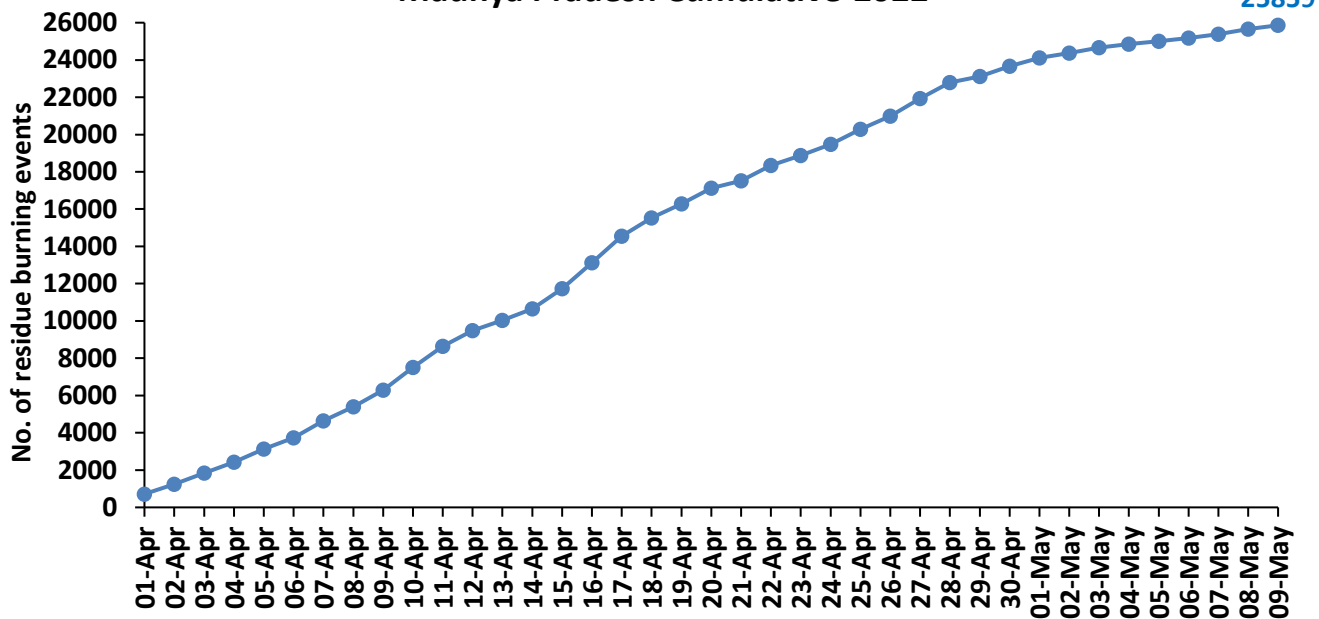
Cumulative Wheat Residue burning events in current year (2022) for the study States



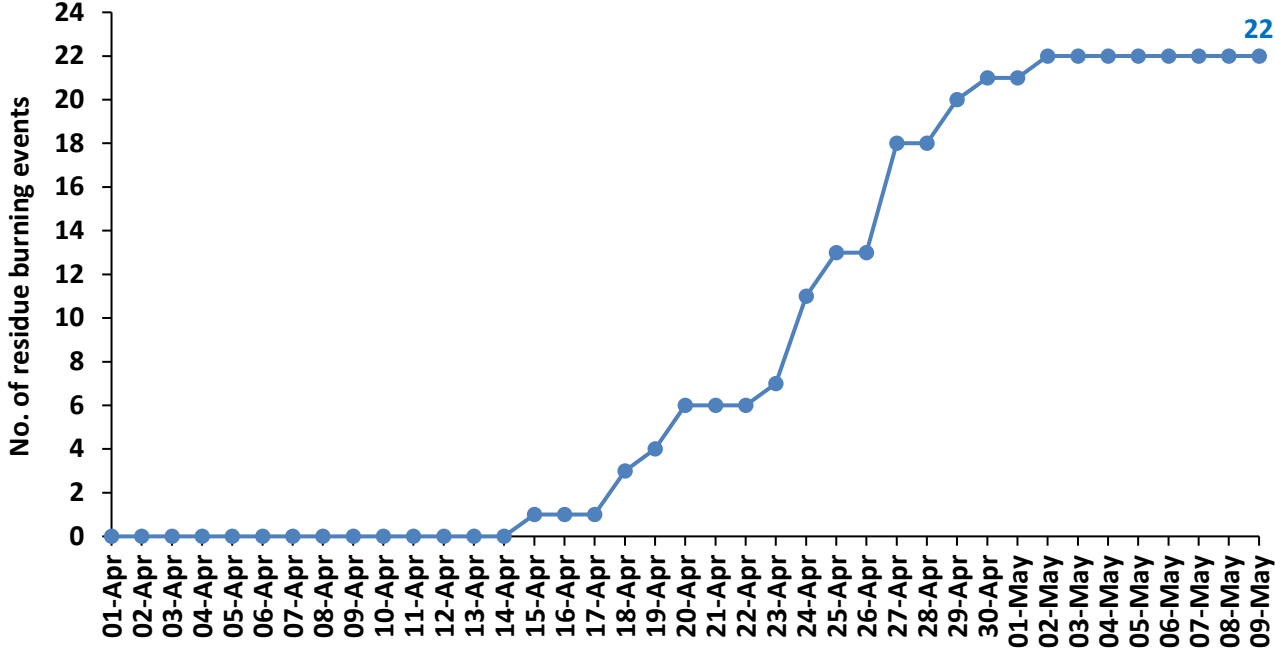
Uttar Pradesh Cumulative-2022



Madhya Pradesh Cumulative-2022

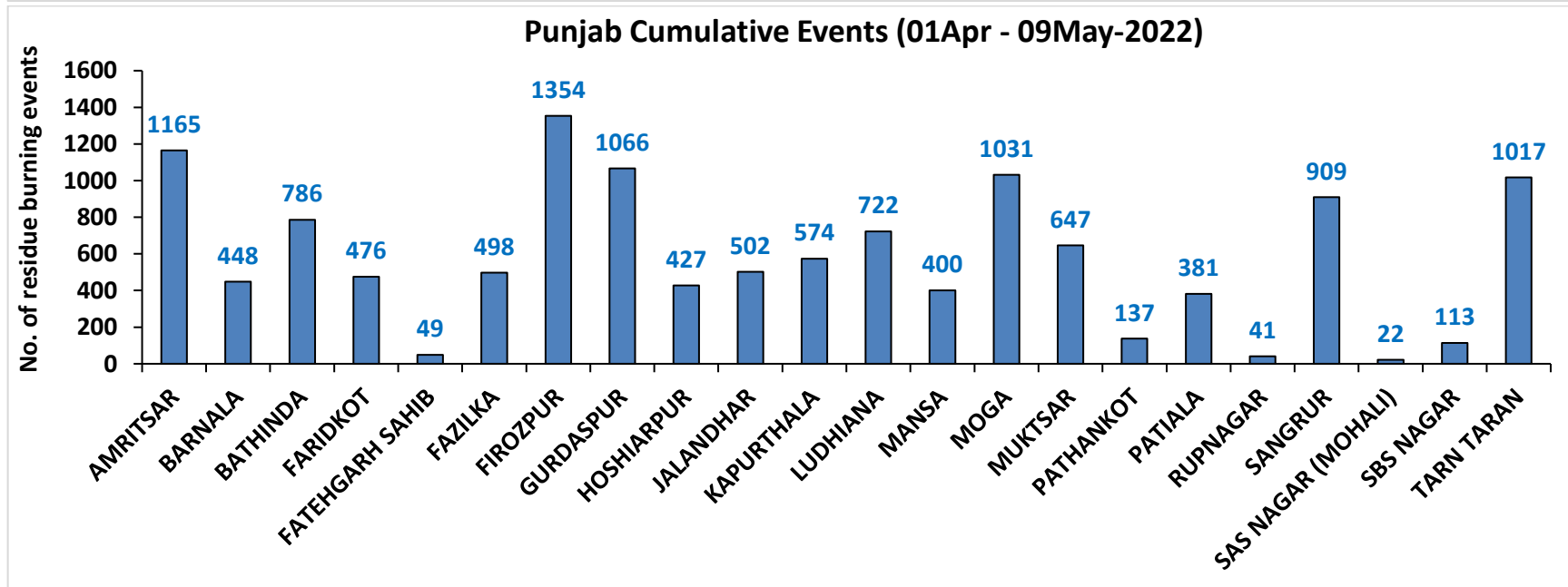
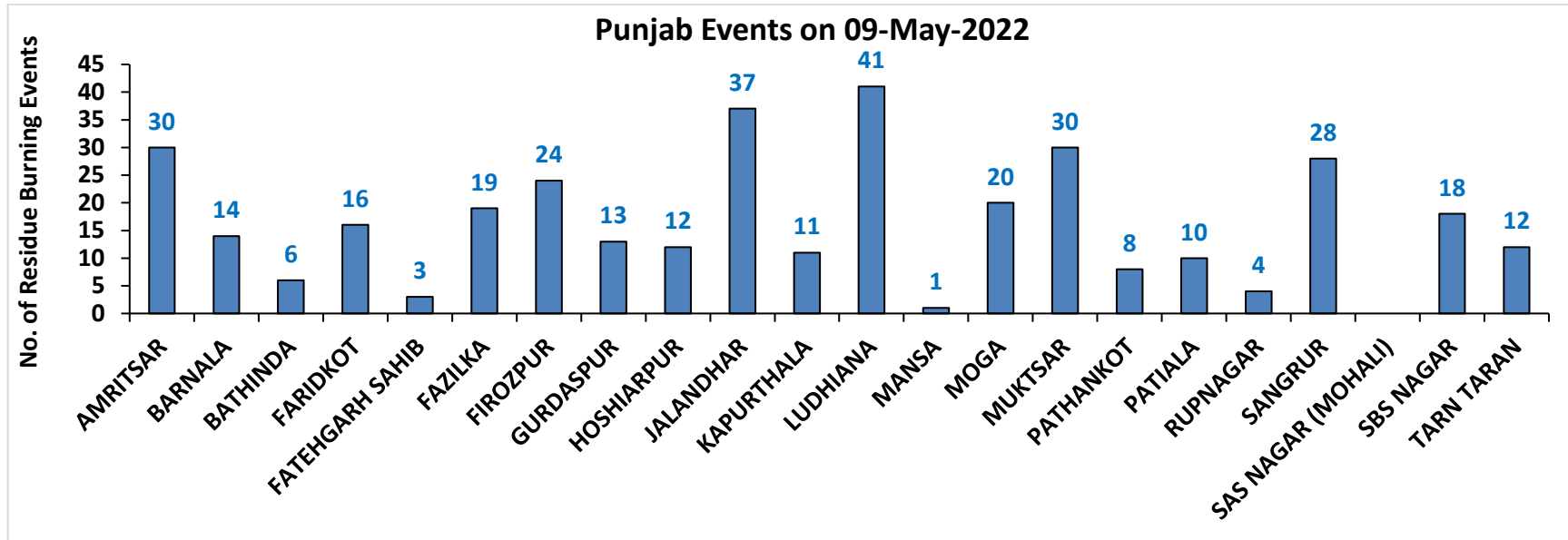


Delhi Cumulative-2022



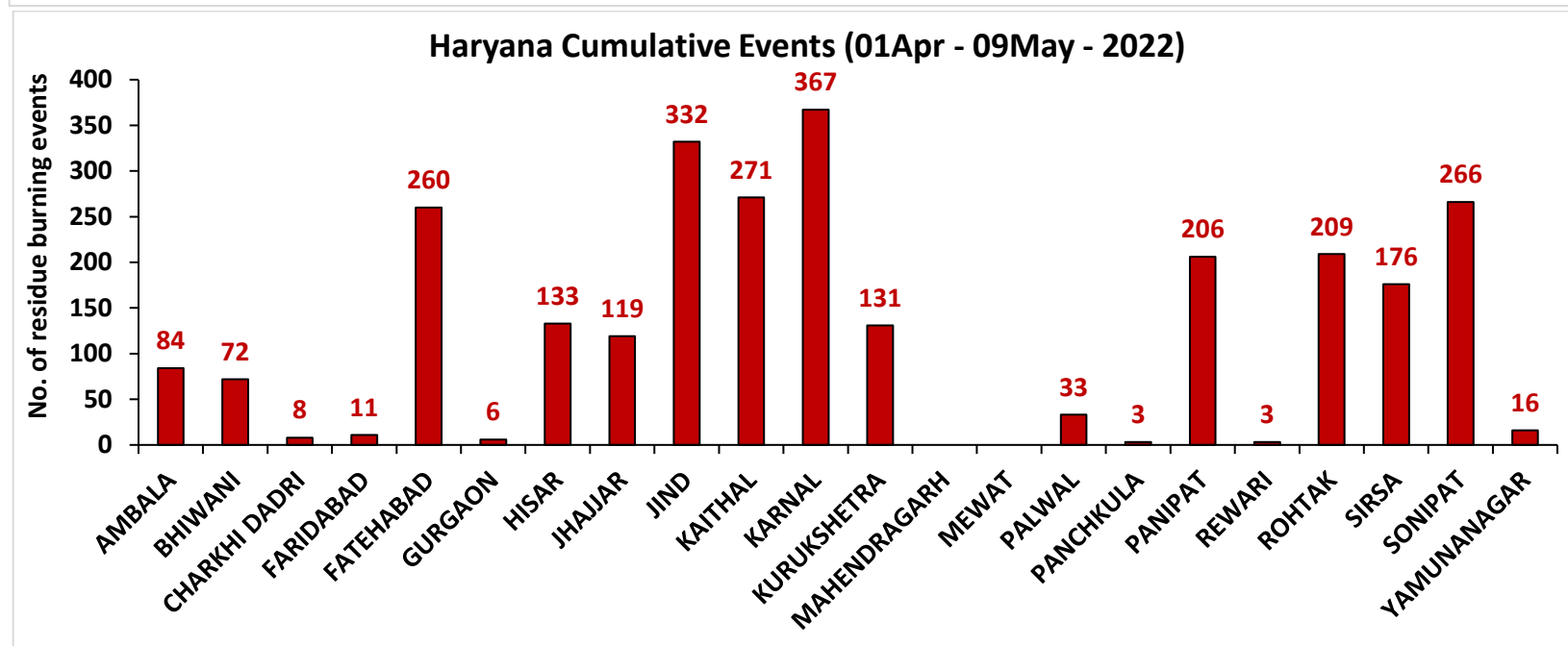
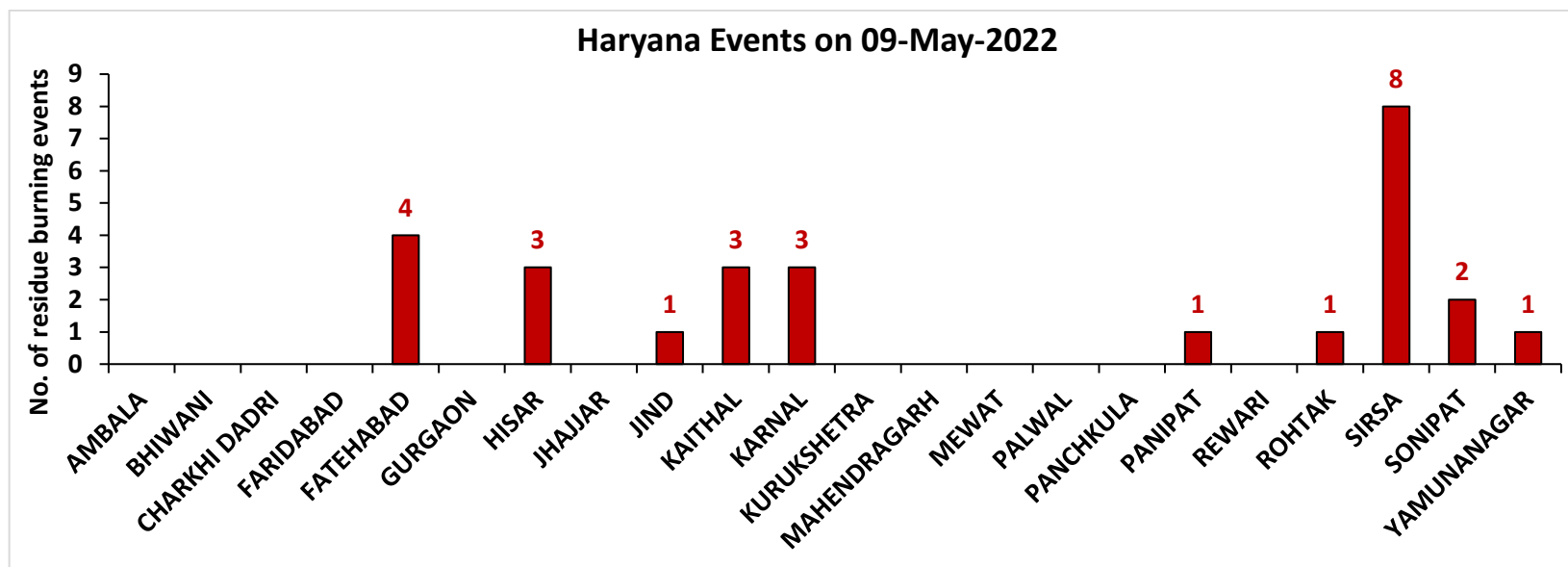
Punjab

District-wise cumulative number of wheat residue burning events in Punjab (01 Apr-09 May-2022)



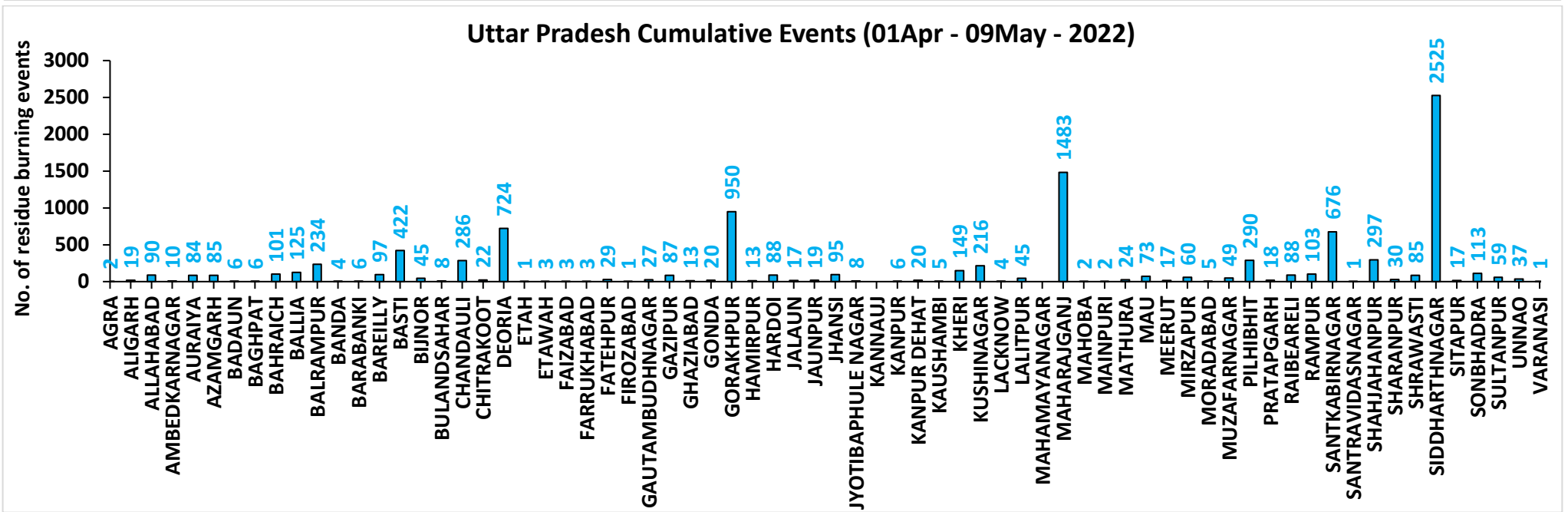
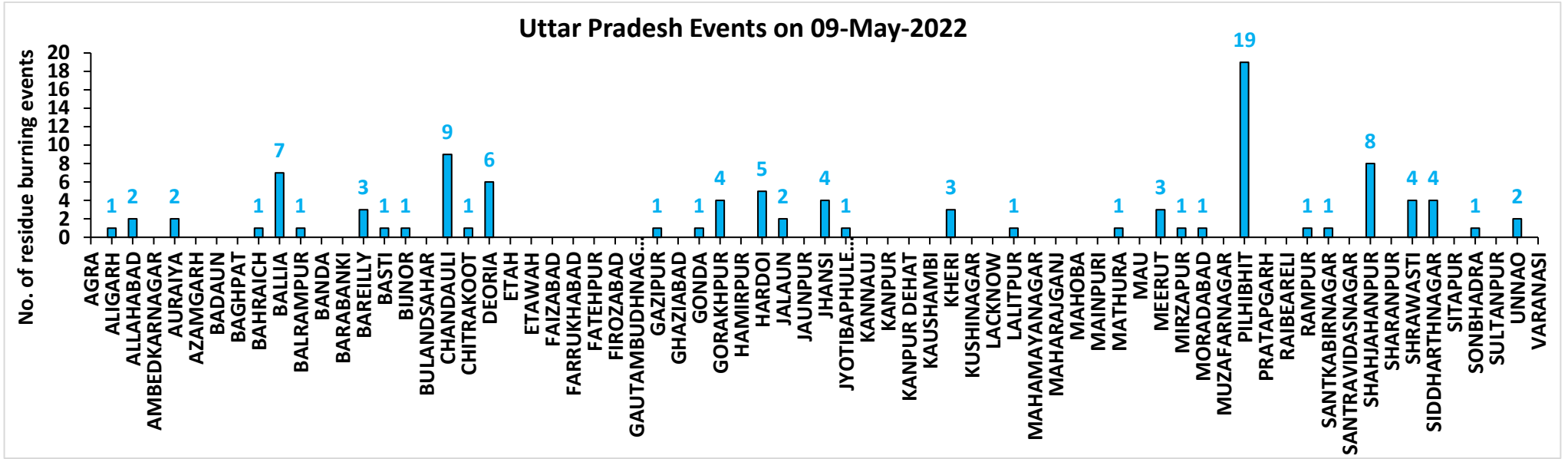
Haryana

District-wise cumulative number of residue burning events in Haryana (01 Apr-09 May-2022)



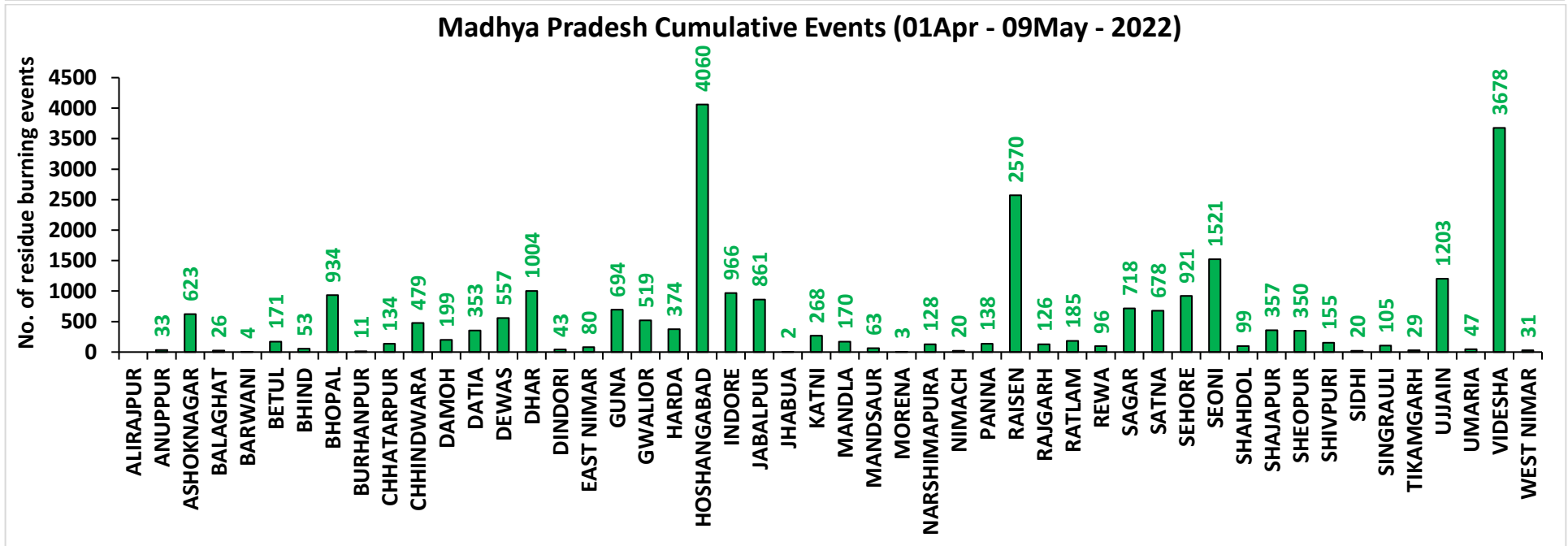
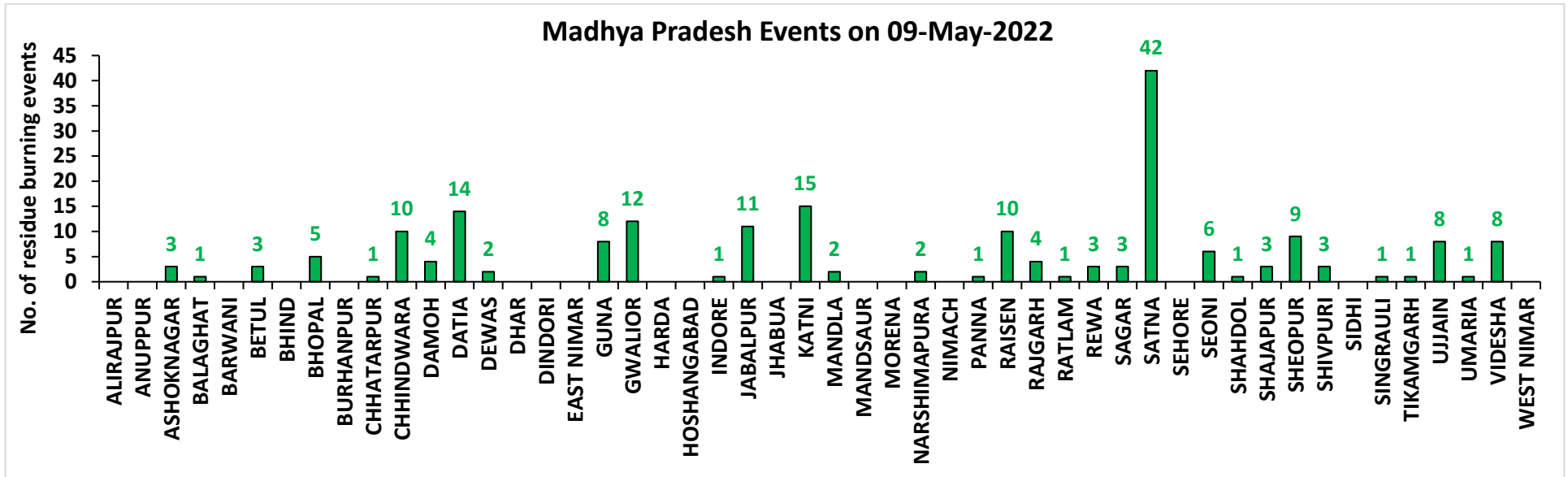
Uttar Pradesh

District-wise cumulative number of wheat residue burning events in Uttar Pradesh (01 Apr-08 May-2022)



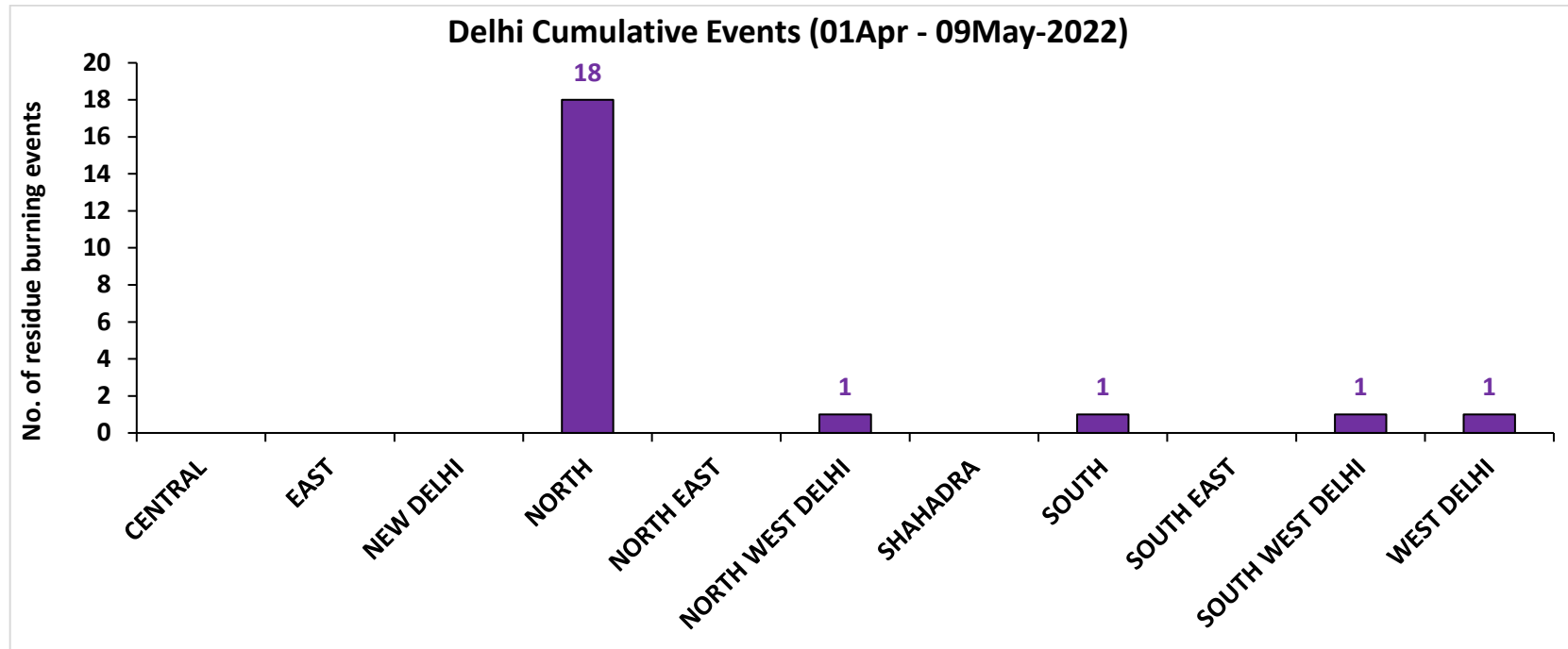
Madhya Pradesh

District-wise cumulative number of wheat residue burning events in Madhya Pradesh (01 Apr-09 May-2022)



Delhi

District-wise cumulative number of wheat residue burning events in Delhi (01 Apr-09 May-2022)



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

(Period: 01 April – 09 May)

(a) Punjab

District	01Apr-09 May
	Year 2022
Amritsar	1165
Barnala	448
Bathinda	786
Faridkot	476
Fatehgarh Sahib	49
Fazilka	498
Firozpur	1354
Gurdaspur	1066
Hoshiarpur	427
Jalandhar	502
Kapurthala	574
Ludhiana	722
Mansa	400
Moga	1031
Muktsar	647
Pathankot	137
Patiala	381
Rupnagar	41
Sangrur	909
SAS NAGAR (Mohali)	22
SBS Nagar	113
Tarn Taran	1017
Total	12765

(b) Haryana

District	01Apr-09 May
	Year 2022
Ambala	84
Bhiwani	72
Charkhi Dadri	8
Faridabad	11
Fatehabad	260
Gurgaon	6
Hisar	133
Jhajjar	119
Jind	332
Kaithal	271
Karnal	367
Kurukshetra	131
Mahendragarh	0
Mewat	0
Palwal	33
Panchkula	3
Panipat	206
Rewari	3
Rohtak	209
Sirsa	176
Sonipat	266
Yamunanagar	16
Total	2706

(c) Uttar Pradesh

District	01Apr-09 May				
	Year 2022				
		GAUTAMBUDHNAGAR	27	MUZAFARNAGAR	49
		GAZIPUR	87	PILHIBHIT	290
AGRA	2	GHAZIABAD	13	PRATAPGARH	18
ALIGARH	19	GONDA	20	RAIBEARELI	88
ALLAHABAD	90	GORAKHPUR	950	RAMPUR	103
AMBEDKARNAGAR	10	HAMIRPUR	13	SANTKABIRNAGAR	676
AURAIYA	84	HARDOI	88	SANTRAVIDASNAGAR	1
AZAMGARH	85	JALAUN	17	SHAHJAHANPUR	297
BADAUN	6	JAUNPUR	19	SHARANPUR	30
BAGHPAT	6	JHANSI	95	SHRAWASTI	85
BAHRAICH	101	JYOTIBAPHULE NAGAR	8	SIDDHARTHANAGAR	2525
BALLIA	125	KANNAUJ	0	SITAPUR	17
BALRAMPUR	234	KANPUR	6	SONBHADRA	113
BANDA	4	KANPUR DEHAT	20	SULTANPUR	59
BARABANKI	6	KAUSHAMBI	5	UNNAO	37
BAREILLY	97	KHERI	149	VARANASI	1
BASTI	422	KUSHINAGAR	216	Total	10253
BIJNOR	45	LACKNOW	4		
BULANDSAHAR	8	LALITPUR	45		
CHANDAULI	286	MAHAMAYANAGAR	0		
CHITRAKOOT	22	MAHARAJGANJ	1483		
DEORIA	724	MAHOBA	2		
ETAH	1	MAINPURI	2		
ETAWAH	3	MATHURA	24		
FAIZABAD	3	MAU	73		
FARRUKHABAD	3	MEERUT	17		
FATEHPUR	29	MIRZAPUR	60		
FIROZABAD	1	MORADABAD	5		

(f) Madhya Pradesh

District	01Apr-09 May	
	Year 2022	
ALIRAJPUR	0	PANNA 138
ANUPPUR	33	RAISEN 2570
ASHOKNAGAR	623	RAJGARH 126
BALAGHAT	26	RATLAM 185
BARWANI	4	REWA 96
BETUL	171	SAGAR 718
BHIND	53	SATNA 678
BHOPAL	934	SEHORE 921
BURHANPUR	11	SEONI 1521
CHHATARPUR	134	SHAHDOL 99
CHHINDWARA	479	SHAJAPUR 357
DAMOH	199	SHEOPUR 350
DATIA	353	SHIVPURI 155
DEWAS	557	SIDHI 20
DHAR	1004	SINGRAULI 105
DINDORI	43	TIKAMGARH 29
EAST NIMAR	80	UJJAIN 1203
GUNA	694	UMARIA 47
GWALIOR	519	VIDESHA 3678
HARDA	374	WEST NIMAR 31
HOSHANGABAD	4060	Total 25859
INDORE	966	
JABALPUR	861	
JHABUA	2	
KATNI	268	
MANDLA	170	
MANDSAUR	63	
MORENA	3	
NARSHIMAPURA	128	
NIMACH	20	

(g) Delhi

District	01Apr-09 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 – 09 May)

Date	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
07-May	827	108	52	215	0
08-May	1065	110	130	275	0
09-May	357	27	103	199	0
Total	12765	2706	10253	25859	22

Details of wheat residue burning events in Punjab on 09-May-2022

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_DATE	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	AMRITSAR	AJNALA	npp	31.81300	74.90910	5/9/2022	13:59:46	D	3.30
2	AMRITSAR	AJNALA	npp	31.82280	74.72550	5/9/2022	13:59:46	D	3.90
3	AMRITSAR	AJNALA	npp	31.86540	74.83960	5/9/2022	13:59:46	D	4.60
4	AMRITSAR	AJNALA	npp	31.87900	74.72050	5/9/2022	13:59:46	D	10.50
5	AMRITSAR	AJNALA	npp	31.96010	74.86140	5/9/2022	13:59:46	D	2.70
6	AMRITSAR	ATTARI	npp	31.63560	74.58460	5/9/2022	13:59:46	D	2.30
7	AMRITSAR	ATTARI	npp	31.63630	74.58660	5/9/2022	13:59:46	D	2.60
8	AMRITSAR	CHOGAWAN	npp	31.80810	74.57460	5/9/2022	13:59:46	D	12.00
9	AMRITSAR	CHOGAWAN	npp	31.83110	74.58170	5/9/2022	13:59:46	D	3.60
10	AMRITSAR	HARSHA CHHINA	npp	31.74630	74.72500	5/9/2022	13:59:46	D	4.50
11	AMRITSAR	HARSHA CHHINA	npp	31.77050	74.84100	5/9/2022	13:59:46	D	2.90
12	AMRITSAR	JANDIALA GURU	npp	31.60640	75.02410	5/9/2022	13:59:46	D	2.50
13	AMRITSAR	MAJITHA	Aqua	31.70900	75.06500	5/9/2022	13:50:43	D	15.80
14	AMRITSAR	RAYYA	npp	31.51270	75.11310	5/9/2022	13:59:46	D	3.20
15	AMRITSAR	RAYYA	npp	31.58140	75.30570	5/9/2022	13:59:46	D	6.20
16	AMRITSAR	RAYYA	npp	31.58140	75.30870	5/9/2022	13:59:46	D	4.50
17	AMRITSAR	RAYYA	npp	31.59710	75.22450	5/9/2022	13:59:46	D	5.50
18	AMRITSAR	RAYYA	npp	31.62270	75.30370	5/9/2022	13:59:46	D	4.60
19	AMRITSAR	TARSIKKA	npp	31.59730	75.17550	5/9/2022	13:59:46	D	1.80
20	AMRITSAR	TARSIKKA	npp	31.60230	75.18030	5/9/2022	13:59:46	D	4.20
21	AMRITSAR	TARSIKKA	npp	31.64490	75.09410	5/9/2022	13:59:46	D	8.20
22	AMRITSAR	TARSIKKA	npp	31.65240	75.17410	5/9/2022	13:59:46	D	16.20
23	AMRITSAR	TARSIKKA	npp	31.66760	75.23770	5/9/2022	13:59:46	D	7.40
24	AMRITSAR	TARSIKKA	npp	31.67870	75.11150	5/9/2022	13:59:46	D	5.10
25	AMRITSAR	TARSIKKA	npp	31.67900	75.10970	5/9/2022	13:59:46	D	9.70
26	AMRITSAR	TARSIKKA	npp	31.68130	75.23610	5/9/2022	13:59:46	D	2.00
27	AMRITSAR	TARSIKKA	npp	31.69210	75.10270	5/9/2022	13:59:46	D	3.40
28	AMRITSAR	TARSIKKA	Terra	31.67900	75.17700	5/9/2022	10:40:32	D	29.30
29	AMRITSAR	TARSIKKA	Terra	31.68300	75.19700	5/9/2022	10:40:32	D	23.30
30	AMRITSAR	VERKA	npp	31.66760	74.98280	5/9/2022	13:59:46	D	3.60

31	BARNALA	BARNALA	npp	30.21170	75.55800	5/9/2022	13:59:46	D	3.10
32	BARNALA	BARNALA	npp	30.22200	75.38010	5/9/2022	13:59:46	D	2.90
33	BARNALA	BARNALA	npp	30.22230	75.37710	5/9/2022	13:59:46	D	4.00
34	BARNALA	BARNALA	npp	30.22240	75.57300	5/9/2022	13:59:46	D	2.50
35	BARNALA	BARNALA	npp	30.28090	75.66160	5/9/2022	13:59:46	D	6.10
36	BARNALA	BARNALA	npp	30.43150	75.63690	5/9/2022	13:59:46	D	5.50
37	BARNALA	BARNALA	Aqua	30.45100	75.64800	5/9/2022	13:50:43	D	10.00
38	BARNALA	MAHAL KALAN	npp	30.44890	75.58750	5/9/2022	13:59:46	D	3.70
39	BARNALA	MAHAL KALAN	npp	30.44990	75.58520	5/9/2022	13:59:46	D	2.60
40	BARNALA	MAHAL KALAN	npp	30.50580	75.49870	5/9/2022	13:59:46	D	3.70
41	BARNALA	MAHAL KALAN	npp	30.52770	75.53420	5/9/2022	13:59:46	D	2.50
42	BARNALA	MAHAL KALAN	npp	30.57910	75.64680	5/9/2022	13:59:46	D	8.20
43	BARNALA	SEHNA	npp	30.46850	75.34730	5/9/2022	13:59:46	D	3.60
44	BARNALA	SEHNA	npp	30.46900	75.35250	5/9/2022	13:59:46	D	3.80
45	BATHINDA	BATHINDA	npp	30.20950	74.81820	5/9/2022	13:59:46	D	10.60
46	BATHINDA	NATHANA	npp	30.25880	75.13800	5/9/2022	13:59:46	D	7.40
47	BATHINDA	NATHANA	npp	30.26280	75.08640	5/9/2022	13:59:46	D	5.80
48	BATHINDA	NATHANA	npp	30.26330	75.13750	5/9/2022	13:59:46	D	7.40
49	BATHINDA	NATHANA	Aqua	30.25800	75.14000	5/9/2022	13:50:43	D	11.80
50	BATHINDA	SANGAT	npp	30.08680	74.87650	5/9/2022	13:59:46	D	5.80
51	FARIDKOT	FARIDKOT	npp	30.67170	74.83100	5/9/2022	13:59:46	D	15.60
52	FARIDKOT	FARIDKOT	Aqua	30.66600	74.82800	5/9/2022	13:50:43	D	11.10
53	FARIDKOT	JAITON	Terra	30.49800	74.83200	5/9/2022	10:40:32	D	58.30
54	FARIDKOT	KOT KAPURA	npp	30.53360	74.73330	5/9/2022	13:59:46	D	11.90
55	FARIDKOT	KOT KAPURA	npp	30.53800	74.73270	5/9/2022	13:59:46	D	6.10
56	FARIDKOT	KOT KAPURA	npp	30.57550	74.79700	5/9/2022	13:59:46	D	4.80
57	FARIDKOT	KOT KAPURA	npp	30.59380	74.95160	5/9/2022	13:59:46	D	3.30
58	FARIDKOT	KOT KAPURA	npp	30.59580	74.95480	5/9/2022	13:59:46	D	3.90
59	FARIDKOT	KOT KAPURA	npp	30.60110	74.87350	5/9/2022	13:59:46	D	4.00
60	FARIDKOT	KOT KAPURA	npp	30.60450	74.87460	5/9/2022	13:59:46	D	6.20
61	FARIDKOT	KOT KAPURA	npp	30.61950	74.93820	5/9/2022	13:59:46	D	3.60
62	FARIDKOT	KOT KAPURA	npp	30.62390	74.93770	5/9/2022	13:59:46	D	3.60
63	FARIDKOT	KOT KAPURA	npp	30.64960	74.87890	5/9/2022	13:59:46	D	6.60

64	FARIDKOT	KOT KAPURA	npp	30.66040	74.85250	5/9/2022	13:59:46	D	2.30
65	FARIDKOT	KOT KAPURA	Terra	30.49600	74.85800	5/9/2022	10:40:32	D	42.60
66	FARIDKOT	KOT KAPURA	Aqua	30.59300	74.89100	5/9/2022	13:50:43	D	23.30
67	FATEHGARH SAHIB	AMLOH	npp	30.53760	76.10710	5/9/2022	13:59:46	D	8.20
68	FATEHGARH SAHIB	AMLOH	npp	30.63000	76.17170	5/9/2022	13:59:46	D	6.60
69	FATEHGARH SAHIB	KHAMANON	npp	30.84670	76.34650	5/9/2022	12:19:29	D	4.40
70	FAZILKA	ABOHAR	npp	30.09780	74.18030	5/9/2022	13:59:46	D	8.20
71	FAZILKA	ABOHAR	npp	30.09800	74.17940	5/9/2022	13:59:46	D	6.90
72	FAZILKA	ABOHAR	npp	30.14870	74.25930	5/9/2022	13:59:46	D	15.20
73	FAZILKA	ABOHAR	Aqua	30.17700	74.21000	5/9/2022	13:50:43	D	9.10
74	FAZILKA	ARNIWALA SHEIKH SUBANPUR	npp	30.27160	74.24960	5/9/2022	13:59:46	D	4.10
75	FAZILKA	ARNIWALA SHEIKH SUBANPUR	npp	30.41180	74.24510	5/9/2022	13:59:46	D	9.20
76	FAZILKA	ARNIWALA SHEIKH SUBANPUR	Aqua	30.32700	74.29200	5/9/2022	13:50:43	D	14.80
77	FAZILKA	ARNIWALA SHEIKH SUBANPUR	Aqua	30.32900	74.30200	5/9/2022	13:50:43	D	24.80
78	FAZILKA	FAZILKA	npp	30.39230	73.98200	5/9/2022	13:59:46	D	11.00
79	FAZILKA	FAZILKA	npp	30.39330	73.98270	5/9/2022	13:59:46	D	13.40
80	FAZILKA	FAZILKA	npp	30.40870	73.96730	5/9/2022	13:59:46	D	5.80
81	FAZILKA	FAZILKA	Terra	30.39000	74.12100	5/9/2022	10:40:32	D	30.20
82	FAZILKA	JALALABAD	npp	30.46480	74.30830	5/9/2022	13:59:46	D	6.60
83	FAZILKA	JALALABAD	npp	30.51540	74.33880	5/9/2022	13:59:46	D	19.20
84	FAZILKA	JALALABAD	npp	30.53820	74.34980	5/9/2022	13:59:46	D	8.00
85	FAZILKA	JALALABAD	Aqua	30.50900	74.34200	5/9/2022	13:50:43	D	14.70
86	FAZILKA	JALALABAD	Aqua	30.59700	74.18100	5/9/2022	13:50:43	D	31.20
87	FAZILKA	JALALABAD	Aqua	30.60600	74.17900	5/9/2022	13:50:43	D	13.70
88	FAZILKA	KHUIAN SARWAR	npp	30.20110	74.02110	5/9/2022	13:59:46	D	8.60
89	FIROZPUR	FIROZPUR	npp	31.05090	74.72140	5/9/2022	13:59:46	D	4.40
90	FIROZPUR	FIROZPUR	Terra	30.92900	74.56000	5/9/2022	10:40:32	D	31.60
91	FIROZPUR	FIROZPUR	Terra	31.01000	74.68400	5/9/2022	10:40:32	D	31.50
92	FIROZPUR	FIROZPUR	Terra	31.01800	74.67900	5/9/2022	10:40:32	D	29.50

93	FIROZPUR	GHALL KHURD	npp	30.79580	74.79010	5/9/2022	13:59:46	D	8.60
94	FIROZPUR	GHALL KHURD	npp	30.79630	74.79500	5/9/2022	13:59:46	D	8.80
95	FIROZPUR	GHALL KHURD	npp	30.79690	74.79330	5/9/2022	13:59:46	D	13.70
96	FIROZPUR	GHALL KHURD	npp	30.94070	74.67910	5/9/2022	13:59:46	D	2.50
97	FIROZPUR	MAKHU	npp	31.09440	74.98570	5/9/2022	13:59:46	D	8.00
98	FIROZPUR	MAKHU	npp	31.09780	75.06880	5/9/2022	13:59:46	D	5.90
99	FIROZPUR	MAKHU	npp	31.09890	74.98520	5/9/2022	13:59:46	D	8.00
100	FIROZPUR	MAKHU	npp	31.10240	74.97440	5/9/2022	13:59:46	D	4.90
101	FIROZPUR	MAKHU	npp	31.11330	74.90090	5/9/2022	13:59:46	D	5.90
102	FIROZPUR	MAKHU	npp	31.13130	75.08560	5/9/2022	13:59:46	D	4.80
103	FIROZPUR	MAKHU	Aqua	31.10300	75.07000	5/9/2022	13:50:43	D	10.30
104	FIROZPUR	MAMDOT	npp	30.75810	74.39580	5/9/2022	13:59:46	D	59.00
105	FIROZPUR	MAMDOT	npp	30.76040	74.39440	5/9/2022	13:59:46	D	26.60
106	FIROZPUR	MAMDOT	Aqua	30.75500	74.39700	5/9/2022	13:50:43	D	15.70
107	FIROZPUR	MAMDOT	Aqua	30.90800	74.50200	5/9/2022	13:50:43	D	16.60
108	FIROZPUR	ZIRA	npp	30.95510	74.82730	5/9/2022	13:59:46	D	1.90
109	FIROZPUR	ZIRA	npp	31.02820	74.90650	5/9/2022	13:59:46	D	10.90
110	FIROZPUR	ZIRA	npp	31.02980	74.87560	5/9/2022	13:59:46	D	5.00
111	FIROZPUR	ZIRA	npp	31.03000	74.90430	5/9/2022	13:59:46	D	5.30
112	FIROZPUR	ZIRA	npp	31.03050	74.90930	5/9/2022	13:59:46	D	5.30
113	GURDASPUR	BATALA	npp	31.80400	75.16230	5/9/2022	13:59:46	D	10.10
114	GURDASPUR	DERA BABA NANAK	npp	31.97510	74.97100	5/9/2022	13:59:46	D	4.80
115	GURDASPUR	DERA BABA NANAK	npp	31.97680	74.97390	5/9/2022	13:59:46	D	4.60
116	GURDASPUR	DERA BABA NANAK	npp	32.02890	74.99420	5/9/2022	13:59:46	D	4.50
117	GURDASPUR	DERA BABA NANAK	npp	32.03300	74.98830	5/9/2022	13:59:46	D	4.80
118	GURDASPUR	DERA BABA NANAK	npp	32.05970	75.09790	5/9/2022	02:49:46	N	4.50
119	GURDASPUR	DERA BABA NANAK	Aqua	32.02800	74.98400	5/9/2022	13:50:43	D	12.90
120	GURDASPUR	DHARIWAL	npp	31.90670	75.22920	5/9/2022	13:59:46	D	2.70
121	GURDASPUR	DHARIWAL	npp	31.90750	75.23200	5/9/2022	13:59:46	D	2.50
122	GURDASPUR	FATEHGARH CHURIAN	npp	31.89240	74.96520	5/9/2022	13:59:46	D	3.10
123	GURDASPUR	KAHNUWAN	npp	31.92980	75.47080	5/9/2022	13:59:46	D	4.60
124	GURDASPUR	KALANAUR	Aqua	32.06500	75.11900	5/9/2022	02:57:46	N	24.20
125	GURDASPUR	QADIAN	Terra	31.78400	75.49800	5/9/2022	10:40:32	D	24.40

126	HOSHIARPUR	GARH SHANKAR	npp	31.23800	76.07940	5/9/2022	13:59:46	D	4.10
127	HOSHIARPUR	GARH SHANKAR	npp	31.23840	76.08100	5/9/2022	13:59:46	D	3.70
128	HOSHIARPUR	GARH SHANKAR	npp	31.27410	76.10540	5/9/2022	13:59:46	D	6.90
129	HOSHIARPUR	HOSHIARPUR-2	npp	31.43640	75.82320	5/9/2022	13:59:46	D	11.20
130	HOSHIARPUR	HOSHIARPUR-2	npp	31.43710	75.82080	5/9/2022	13:59:46	D	6.80
131	HOSHIARPUR	HOSHIARPUR-2	Aqua	31.38100	75.79900	5/9/2022	13:50:43	D	32.90
132	HOSHIARPUR	MAHILPUR	npp	31.29940	75.89910	5/9/2022	13:59:46	D	5.80
133	HOSHIARPUR	MAHILPUR	npp	31.30130	75.89750	5/9/2022	12:19:29	D	10.60
134	HOSHIARPUR	MAHILPUR	npp	31.30360	75.89270	5/9/2022	13:59:46	D	10.40
135	HOSHIARPUR	MAHILPUR	npp	31.32580	75.98400	5/9/2022	13:59:46	D	2.50
136	HOSHIARPUR	MAHILPUR	npp	31.32630	75.98500	5/9/2022	13:59:46	D	3.90
137	HOSHIARPUR	MUKERIAN	npp	31.96270	75.56340	5/9/2022	12:19:29	D	7.90
138	JALANDHAR	ADAMPUR	npp	31.37730	75.69630	5/9/2022	13:59:46	D	7.50
139	JALANDHAR	JALANDHAR EAST	npp	31.21610	75.60240	5/9/2022	13:59:46	D	5.80
140	JALANDHAR	JALANDHAR EAST	npp	31.22080	75.60180	5/9/2022	13:59:46	D	10.20
141	JALANDHAR	JALANDHAR WEST	Aqua	31.50100	75.52800	5/9/2022	13:50:43	D	9.60
142	JALANDHAR	LOHIAN	Aqua	31.10700	75.17100	5/9/2022	13:50:43	D	20.30
143	JALANDHAR	MEHATPUR	npp	31.05270	75.42040	5/9/2022	13:59:46	D	18.30
144	JALANDHAR	MEHATPUR	npp	31.05320	75.42590	5/9/2022	13:59:46	D	10.10
145	JALANDHAR	MEHATPUR	Aqua	31.04800	75.41500	5/9/2022	13:50:43	D	27.80
146	JALANDHAR	MEHATPUR	Aqua	31.04900	75.42700	5/9/2022	13:50:43	D	15.80
147	JALANDHAR	NAKODAR	npp	31.10640	75.51070	5/9/2022	13:59:46	D	11.60
148	JALANDHAR	NAKODAR	npp	31.11100	75.51010	5/9/2022	13:59:46	D	11.60
149	JALANDHAR	NAKODAR	npp	31.15870	75.52120	5/9/2022	13:59:46	D	3.80
150	JALANDHAR	NAKODAR	npp	31.17870	75.55040	5/9/2022	13:59:46	D	11.20
151	JALANDHAR	NAKODAR	npp	31.17980	75.54670	5/9/2022	13:59:46	D	7.00
152	JALANDHAR	NAKODAR	npp	31.18030	75.55220	5/9/2022	13:59:46	D	7.00
153	JALANDHAR	NAKODAR	npp	31.18290	75.54430	5/9/2022	13:59:46	D	8.00
154	JALANDHAR	NAKODAR	npp	31.18440	75.54610	5/9/2022	13:59:46	D	3.80
155	JALANDHAR	NAKODAR	Aqua	31.19700	75.59800	5/9/2022	13:50:43	D	9.80
156	JALANDHAR	NUR MAHAL	npp	31.05000	75.69450	5/9/2022	13:59:46	D	3.50
157	JALANDHAR	NUR MAHAL	npp	31.11890	75.59890	5/9/2022	13:59:46	D	5.30
158	JALANDHAR	NUR MAHAL	npp	31.11940	75.60440	5/9/2022	13:59:46	D	5.30

159	JALANDHAR	NUR MAHAL	npp	31.13240	75.59160	5/9/2022	13:59:46	D	4.50
160	JALANDHAR	NUR MAHAL	npp	31.13290	75.59720	5/9/2022	13:59:46	D	7.50
161	JALANDHAR	NUR MAHAL	Aqua	31.13300	75.59300	5/9/2022	13:50:43	D	10.10
162	JALANDHAR	PHILLAUR	npp	31.05340	75.83800	5/9/2022	13:59:46	D	4.40
163	JALANDHAR	PHILLAUR	npp	31.06440	75.80190	5/9/2022	13:59:46	D	3.60
164	JALANDHAR	PHILLAUR	npp	31.09160	75.78720	5/9/2022	13:59:46	D	2.10
165	JALANDHAR	RURKA KALAN	npp	31.08370	75.70200	5/9/2022	13:59:46	D	5.40
166	JALANDHAR	RURKA KALAN	npp	31.14700	75.75520	5/9/2022	13:59:46	D	3.70
167	JALANDHAR	RURKA KALAN	npp	31.16280	75.66740	5/9/2022	13:59:46	D	4.00
168	JALANDHAR	RURKA KALAN	npp	31.16740	75.66680	5/9/2022	13:59:46	D	5.00
169	JALANDHAR	RURKA KALAN	Aqua	31.08700	75.72400	5/9/2022	13:50:43	D	11.60
170	JALANDHAR	RURKA KALAN	Aqua	31.16000	75.65900	5/9/2022	13:50:43	D	16.10
171	JALANDHAR	RURKA KALAN	Aqua	31.16200	75.67000	5/9/2022	13:50:43	D	13.60
172	JALANDHAR	RURKA KALAN	Aqua	31.20900	75.69100	5/9/2022	13:50:43	D	13.50
173	JALANDHAR	SHAHKOT	npp	31.10490	75.29150	5/9/2022	13:59:46	D	3.40
174	JALANDHAR	SHAHKOT	npp	31.10540	75.29680	5/9/2022	13:59:46	D	3.40
175	KAPURTHALA	DHILWAN	npp	31.42430	75.20270	5/9/2022	13:59:46	D	2.00
176	KAPURTHALA	DHILWAN	npp	31.48980	75.35870	5/9/2022	13:59:46	D	6.40
177	KAPURTHALA	DHILWAN	npp	31.49300	75.35520	5/9/2022	13:59:46	D	5.30
178	KAPURTHALA	DHILWAN	npp	31.49440	75.35820	5/9/2022	13:59:46	D	7.30
179	KAPURTHALA	DHILWAN	Aqua	31.48900	75.35400	5/9/2022	13:50:43	D	15.70
180	KAPURTHALA	KAPURTHALA	npp	31.32620	75.44180	5/9/2022	13:59:46	D	2.40
181	KAPURTHALA	KAPURTHALA	npp	31.39860	75.32570	5/9/2022	13:59:46	D	2.80
182	KAPURTHALA	NADALA	npp	31.56090	75.43620	5/9/2022	13:59:46	D	13.60
183	KAPURTHALA	PHAGWARA	Aqua	31.21000	75.70300	5/9/2022	13:50:43	D	7.80
184	KAPURTHALA	SULTANPUR LODHI	npp	31.25190	75.08940	5/9/2022	13:59:46	D	5.60
185	KAPURTHALA	SULTANPUR LODHI	npp	31.25260	75.08750	5/9/2022	13:59:46	D	2.30
186	LUDHIANA	DEHLON	npp	30.73300	75.86910	5/9/2022	13:59:46	D	3.90
187	LUDHIANA	DORAHA	npp	30.69620	75.99830	5/9/2022	13:59:46	D	3.90
188	LUDHIANA	DORAHA	npp	30.69640	75.99550	5/9/2022	13:59:46	D	3.50
189	LUDHIANA	DORAHA	npp	30.71260	76.01990	5/9/2022	13:59:46	D	7.80
190	LUDHIANA	DORAHA	npp	30.71310	76.02290	5/9/2022	13:59:46	D	6.10
191	LUDHIANA	DORAHA	npp	30.73800	75.97890	5/9/2022	13:59:46	D	10.00

192	LUDHIANA	JAGRAON	npp	30.81740	75.57520	5/9/2022	13:59:46	D	6.40
193	LUDHIANA	JAGRAON	npp	30.81910	75.44290	5/9/2022	13:59:46	D	5.70
194	LUDHIANA	JAGRAON	Aqua	30.66800	75.39200	5/9/2022	13:50:43	D	13.70
195	LUDHIANA	JAGRAON	Aqua	30.82000	75.44400	5/9/2022	13:50:43	D	14.80
196	LUDHIANA	LUDHIANA-2	npp	30.92000	76.02230	5/9/2022	13:59:46	D	2.30
197	LUDHIANA	LUDHIANA-2	npp	30.93520	76.02980	5/9/2022	13:59:46	D	8.00
198	LUDHIANA	LUDHIANA-2	npp	30.94650	75.72600	5/9/2022	13:59:46	D	6.80
199	LUDHIANA	LUDHIANA-2	npp	30.95120	75.72550	5/9/2022	13:59:46	D	13.30
200	LUDHIANA	LUDHIANA-2	npp	30.95170	75.73110	5/9/2022	13:59:46	D	13.30
201	LUDHIANA	LUDHIANA-2	npp	30.95330	75.69680	5/9/2022	13:59:46	D	5.60
202	LUDHIANA	LUDHIANA-2	npp	30.95380	75.70240	5/9/2022	13:59:46	D	18.60
203	LUDHIANA	LUDHIANA-2	Aqua	30.94400	75.96400	5/9/2022	13:50:43	D	16.60
204	LUDHIANA	LUDHIANA-2	Aqua	30.94500	75.97600	5/9/2022	13:50:43	D	22.40
205	LUDHIANA	LUDHIANA-2	Aqua	30.95400	75.70600	5/9/2022	13:50:43	D	16.90
206	LUDHIANA	LUDHIANA-2	Aqua	31.00300	75.86400	5/9/2022	13:50:43	D	13.20
207	LUDHIANA	MACHHIWARA	npp	30.93360	76.17040	5/9/2022	13:59:46	D	5.60
208	LUDHIANA	MALOUD	npp	30.61450	76.04880	5/9/2022	13:59:46	D	5.70
209	LUDHIANA	PAKHOWAL	Aqua	30.70300	75.81400	5/9/2022	13:50:43	D	11.80
210	LUDHIANA	RAIKOT	npp	30.64230	75.67270	5/9/2022	13:59:46	D	6.40
211	LUDHIANA	RAIKOT	npp	30.71130	75.57790	5/9/2022	13:59:46	D	18.40
212	LUDHIANA	RAIKOT	Aqua	30.61300	75.53400	5/9/2022	13:50:43	D	10.40
213	LUDHIANA	RAIKOT	Aqua	30.66300	75.57600	5/9/2022	13:50:43	D	11.50
214	LUDHIANA	RAIKOT	Aqua	30.71100	75.57900	5/9/2022	13:50:43	D	23.20
215	LUDHIANA	SIDHWAN BET	npp	30.84510	75.42340	5/9/2022	13:59:46	D	12.60
216	LUDHIANA	SIDHWAN BET	npp	30.92490	75.64360	5/9/2022	13:59:46	D	3.00
217	LUDHIANA	SIDHWAN BET	npp	30.92500	75.59310	5/9/2022	13:59:46	D	13.10
218	LUDHIANA	SIDHWAN BET	npp	30.95070	75.66870	5/9/2022	13:59:46	D	4.10
219	LUDHIANA	SIDHWAN BET	npp	30.95790	75.54460	5/9/2022	13:59:46	D	17.10
220	LUDHIANA	SIDHWAN BET	npp	30.96640	75.38950	5/9/2022	13:59:46	D	4.00
221	LUDHIANA	SIDHWAN BET	Aqua	30.83200	75.38500	5/9/2022	13:50:43	D	8.70
222	LUDHIANA	SIDHWAN BET	Aqua	30.95300	75.54300	5/9/2022	13:50:43	D	12.30
223	LUDHIANA	SIDHWAN BET	Aqua	30.96200	75.39100	5/9/2022	13:50:43	D	14.30
224	LUDHIANA	SUDHAR	npp	30.71180	75.58340	5/9/2022	13:59:46	D	18.40

225	LUDHIANA	SUDHAR	npp	30.78390	75.61820	5/9/2022	13:59:46	D	4.10
226	LUDHIANA	SUDHAR	npp	30.78850	75.61770	5/9/2022	13:59:46	D	11.90
227	MANSA	BUDHLADA	npp	29.89440	75.58240	5/9/2022	13:59:46	D	5.00
228	MOGA	BAGHA PURANA	npp	30.49550	75.01620	5/9/2022	13:59:46	D	2.70
229	MOGA	BAGHA PURANA	npp	30.63410	75.14180	5/9/2022	13:59:46	D	13.50
230	MOGA	BAGHA PURANA	npp	30.63760	75.13100	5/9/2022	13:59:46	D	6.20
231	MOGA	BAGHA PURANA	Aqua	30.63300	75.12700	5/9/2022	13:50:43	D	26.70
232	MOGA	BAGHA PURANA	Aqua	30.63500	75.13800	5/9/2022	13:50:43	D	10.60
233	MOGA	BAGHA PURANA	Aqua	30.63800	75.16000	5/9/2022	13:50:43	D	10.90
234	MOGA	KOT ISE KHAN AT DHARAMKOT	npp	30.92880	75.28590	5/9/2022	13:59:46	D	5.00
235	MOGA	KOT ISE KHAN AT DHARAMKOT	npp	30.99100	75.25440	5/9/2022	13:59:46	D	14.60
236	MOGA	KOT ISE KHAN AT DHARAMKOT	npp	30.99950	75.29640	5/9/2022	13:59:46	D	2.50
237	MOGA	KOT ISE KHAN AT DHARAMKOT	npp	31.00620	75.17260	5/9/2022	13:59:46	D	5.30
238	MOGA	KOT ISE KHAN AT DHARAMKOT	npp	31.01070	75.17210	5/9/2022	13:59:46	D	5.30
239	MOGA	KOT ISE KHAN AT DHARAMKOT	Aqua	30.98900	75.25400	5/9/2022	13:50:43	D	10.60
240	MOGA	KOT ISE KHAN AT DHARAMKOT	Aqua	31.00700	75.17100	5/9/2022	13:50:43	D	18.90
241	MOGA	MOGA-1	npp	30.83790	75.30010	5/9/2022	13:59:46	D	11.20
242	MOGA	MOGA-1	npp	30.83840	75.30230	5/9/2022	13:59:46	D	20.00
243	MOGA	MOGA-1	npp	30.85350	75.31660	5/9/2022	13:59:46	D	4.80
244	MOGA	MOGA-1	Aqua	30.83100	75.30500	5/9/2022	13:50:43	D	8.00
245	MOGA	MOGA-2	npp	30.83030	75.11270	5/9/2022	13:59:46	D	3.20
246	MOGA	NIHAL SINGH	npp	30.67820	75.32090	5/9/2022	13:59:46	D	11.10
247	MOGA	NIHAL SINGH	Aqua	30.67800	75.32200	5/9/2022	13:50:43	D	10.20
248	MUKTSAR	KOT BHAI AT GIDDERBAHA	npp	30.16890	74.58680	5/9/2022	13:59:46	D	15.80
249	MUKTSAR	KOT BHAI AT GIDDERBAHA	Aqua	30.16500	74.58000	5/9/2022	13:50:43	D	15.40
250	MUKTSAR	LAMBI	npp	30.04100	74.41500	5/9/2022	13:59:46	D	8.60
251	MUKTSAR	LAMBI	npp	30.05520	74.60040	5/9/2022	13:59:46	D	9.10

252	MUKTSAR	LAMBI	npp	30.07700	74.38700	5/9/2022	13:59:46	D	4.90
253	MUKTSAR	LAMBI	npp	30.07750	74.39160	5/9/2022	13:59:46	D	4.90
254	MUKTSAR	LAMBI	npp	30.12310	74.49720	5/9/2022	13:59:46	D	5.90
255	MUKTSAR	LAMBI	npp	30.12520	74.49810	5/9/2022	13:59:46	D	15.40
256	MUKTSAR	LAMBI	Aqua	29.97200	74.58500	5/9/2022	13:50:43	D	18.80
257	MUKTSAR	LAMBI	Aqua	30.06400	74.39100	5/9/2022	13:50:43	D	10.50
258	MUKTSAR	LAMBI	Aqua	30.07900	74.49500	5/9/2022	13:50:43	D	26.60
259	MUKTSAR	MALOUT	npp	30.20570	74.35250	5/9/2022	13:59:46	D	9.80
260	MUKTSAR	MALOUT	npp	30.22110	74.49960	5/9/2022	13:59:46	D	6.90
261	MUKTSAR	MALOUT	npp	30.31900	74.49870	5/9/2022	13:59:46	D	5.60
262	MUKTSAR	MALOUT	npp	30.32930	74.38950	5/9/2022	13:59:46	D	2.80
263	MUKTSAR	MALOUT	Aqua	30.21900	74.51100	5/9/2022	13:50:43	D	14.20
264	MUKTSAR	MALOUT	Aqua	30.22000	74.38300	5/9/2022	13:50:43	D	26.60
265	MUKTSAR	MALOUT	Aqua	30.24100	74.53900	5/9/2022	13:50:43	D	11.40
266	MUKTSAR	MUKTSAR	npp	30.43790	74.53610	5/9/2022	13:59:46	D	6.50
267	MUKTSAR	MUKTSAR	npp	30.43830	74.54080	5/9/2022	13:59:46	D	6.10
268	MUKTSAR	MUKTSAR	npp	30.44220	74.53560	5/9/2022	13:59:46	D	6.50
269	MUKTSAR	MUKTSAR	npp	30.44260	74.54030	5/9/2022	13:59:46	D	6.10
270	MUKTSAR	MUKTSAR	npp	30.47490	74.45200	5/9/2022	13:59:46	D	10.50
271	MUKTSAR	MUKTSAR	npp	30.51590	74.38550	5/9/2022	13:59:46	D	3.20
272	MUKTSAR	MUKTSAR	Aqua	30.39800	74.41200	5/9/2022	13:50:43	D	11.70
273	MUKTSAR	MUKTSAR	Aqua	30.43400	74.53400	5/9/2022	13:50:43	D	127.20
274	MUKTSAR	MUKTSAR	Aqua	30.43500	74.54500	5/9/2022	13:50:43	D	12.90
275	MUKTSAR	MUKTSAR	Aqua	30.44300	74.53300	5/9/2022	13:50:43	D	12.50
276	MUKTSAR	MUKTSAR	Aqua	30.45000	74.45600	5/9/2022	13:50:43	D	19.80
277	MUKTSAR	MUKTSAR	Terra	30.48000	74.63900	5/9/2022	10:40:32	D	37.10
278	PATHANKOT	GHAROTA	npp	32.20460	75.51160	5/9/2022	13:59:46	D	4.30
279	PATHANKOT	NAROT JAIMAL SINGH	npp	32.20040	75.37470	5/9/2022	02:49:46	N	1.50
280	PATHANKOT	NAROT JAIMAL SINGH	npp	32.20170	75.37380	5/9/2022	02:49:46	N	2.00
281	PATHANKOT	NAROT JAIMAL SINGH	npp	32.22650	75.38840	5/9/2022	13:59:46	D	3.50
282	PATHANKOT	NAROT JAIMAL SINGH	npp	32.22900	75.38150	5/9/2022	13:59:46	D	10.70
283	PATHANKOT	NAROT JAIMAL SINGH	npp	32.22950	75.38720	5/9/2022	13:59:46	D	10.70
284	PATHANKOT	NAROT JAIMAL SINGH	npp	32.28820	75.41440	5/9/2022	13:59:46	D	7.30

285	PATHANKOT	NAROT JAIMAL SINGH	Aqua	32.22700	75.38800	5/9/2022	13:50:43	D	33.90
286	PATIALA	NABHA	npp	30.39270	76.09720	5/9/2022	13:59:46	D	8.10
287	PATIALA	NABHA	npp	30.39950	76.23290	5/9/2022	13:59:46	D	5.10
288	PATIALA	NABHA	npp	30.39980	76.23350	5/9/2022	13:59:46	D	3.70
289	PATIALA	NABHA	npp	30.46320	76.29790	5/9/2022	13:59:46	D	4.10
290	PATIALA	PATIALA	npp	30.30770	76.27640	5/9/2022	13:59:46	D	5.60
291	PATIALA	PATIALA	npp	30.41290	76.33400	5/9/2022	13:59:46	D	5.90
292	PATIALA	PATIALA	Aqua	30.39800	76.31000	5/9/2022	13:50:43	D	23.80
293	PATIALA	PATRAN	npp	29.92670	76.02200	5/9/2022	13:59:46	D	3.90
294	PATIALA	SAMANA	npp	30.17050	76.15140	5/9/2022	13:59:46	D	2.00
295	PATIALA	SANAUR	npp	30.21660	76.28670	5/9/2022	13:59:46	D	3.00
296	RUPNAGAR	CHAMKAUR SAHIB	npp	30.88130	76.40950	5/9/2022	13:59:46	D	7.30
297	RUPNAGAR	CHAMKAUR SAHIB	npp	30.97510	76.38460	5/9/2022	13:59:46	D	4.20
298	RUPNAGAR	RUPNAGAR	npp	30.88620	76.58580	5/9/2022	13:59:46	D	2.10
299	RUPNAGAR	RUPNAGAR	npp	30.91810	76.49350	5/9/2022	13:59:46	D	6.00
300	SANGRUR	BHAWANIGARH	npp	30.21140	76.06300	5/9/2022	13:59:46	D	5.70
301	SANGRUR	BHAWANIGARH	npp	30.28800	76.01360	5/9/2022	13:59:46	D	6.10
302	SANGRUR	BHAWANIGARH	npp	30.28870	76.01090	5/9/2022	13:59:46	D	5.80
303	SANGRUR	BHAWANIGARH	npp	30.30800	76.01440	5/9/2022	13:59:46	D	3.80
304	SANGRUR	DIRBA	npp	29.95990	75.99890	5/9/2022	13:59:46	D	3.00
305	SANGRUR	DIRBA	npp	30.04350	76.02920	5/9/2022	13:59:46	D	7.10
306	SANGRUR	MALERKOTLA-1	npp	30.39990	76.01460	5/9/2022	13:59:46	D	5.60
307	SANGRUR	MALERKOTLA-1	npp	30.40040	76.02030	5/9/2022	13:59:46	D	5.60
308	SANGRUR	MALERKOTLA-1	npp	30.43310	75.90680	5/9/2022	13:59:46	D	3.20
309	SANGRUR	MALERKOTLA-1	npp	30.44660	75.84810	5/9/2022	13:59:46	D	5.50
310	SANGRUR	MALERKOTLA-1	npp	30.44710	75.85370	5/9/2022	13:59:46	D	5.50
311	SANGRUR	MALERKOTLA-1	npp	30.46130	75.95530	5/9/2022	13:59:46	D	6.40
312	SANGRUR	MALERKOTLA-1	npp	30.50600	76.07530	5/9/2022	13:59:46	D	4.00
313	SANGRUR	MALERKOTLA-1	npp	30.50610	76.07830	5/9/2022	13:59:46	D	3.50
314	SANGRUR	MALERKOTLA-1	npp	30.51920	76.06200	5/9/2022	13:59:46	D	3.20
315	SANGRUR	MALERKOTLA-1	npp	30.53310	75.94960	5/9/2022	13:59:46	D	4.50
316	SANGRUR	MALERKOTLA-1	npp	30.58340	75.92650	5/9/2022	13:59:46	D	7.10
317	SANGRUR	MALERKOTLA-1	npp	30.58460	75.92400	5/9/2022	13:59:46	D	4.50

318	SANGRUR	MALERKOTLA-1	npp	30.60720	76.02850	5/9/2022	13:59:46	D	6.80
319	SANGRUR	MALERKOTLA-1	npp	30.60780	76.02610	5/9/2022	13:59:46	D	7.80
320	SANGRUR	MALERKOTLA-1	npp	30.61150	76.01390	5/9/2022	13:59:46	D	4.00
321	SANGRUR	MALERKOTLA-1	Aqua	30.43400	75.86700	5/9/2022	13:50:43	D	10.30
322	SANGRUR	MALERKOTLA-1	Aqua	30.55900	76.05300	5/9/2022	13:50:43	D	19.70
323	SANGRUR	MALERKOTLA-1	Aqua	30.57600	75.92500	5/9/2022	13:50:43	D	13.50
324	SANGRUR	MALERKOTLA-1	Aqua	30.58600	75.92400	5/9/2022	13:50:43	D	10.70
325	SANGRUR	SANGRUR	npp	30.29330	75.85010	5/9/2022	13:59:46	D	5.80
326	SANGRUR	SHER PUR	npp	30.28490	75.70540	5/9/2022	13:59:46	D	15.20
327	SANGRUR	SHER PUR	npp	30.51110	75.75810	5/9/2022	13:59:46	D	3.10
328	SBS NAGAR	AUR	npp	31.05020	76.02070	5/9/2022	13:59:46	D	5.40
329	SBS NAGAR	AUR	npp	31.05500	76.02020	5/9/2022	13:59:46	D	7.30
330	SBS NAGAR	AUR	npp	31.11530	75.94210	5/9/2022	13:59:46	D	2.80
331	SBS NAGAR	AUR	npp	31.11540	75.93970	5/9/2022	13:59:46	D	2.00
332	SBS NAGAR	BALACHAUR	npp	30.99720	76.41340	5/9/2022	13:59:46	D	5.80
333	SBS NAGAR	BANGA	npp	31.18280	75.94380	5/9/2022	13:59:46	D	5.60
334	SBS NAGAR	BANGA	npp	31.18970	75.91350	5/9/2022	13:59:46	D	10.60
335	SBS NAGAR	BANGA	npp	31.21330	75.80540	5/9/2022	13:59:46	D	3.60
336	SBS NAGAR	BANGA	npp	31.22360	76.08110	5/9/2022	13:59:46	D	8.40
337	SBS NAGAR	BANGA	npp	31.22410	76.08270	5/9/2022	13:59:46	D	9.20
338	SBS NAGAR	BANGA	npp	31.25200	75.90460	5/9/2022	13:59:46	D	4.30
339	SBS NAGAR	NAWAN SHAHR	npp	31.14420	76.15450	5/9/2022	13:59:46	D	6.40
340	SBS NAGAR	NAWAN SHAHR	npp	31.14770	76.15190	5/9/2022	13:59:46	D	6.20
341	SBS NAGAR	NAWAN SHAHR	npp	31.14820	76.15790	5/9/2022	13:59:46	D	7.70
342	SBS NAGAR	NAWAN SHAHR	npp	31.14840	76.10330	5/9/2022	13:59:46	D	6.20
343	SBS NAGAR	NAWAN SHAHR	npp	31.14900	76.15400	5/9/2022	13:59:46	D	6.40
344	SBS NAGAR	SAROYA	npp	31.15070	76.22700	5/9/2022	13:59:46	D	4.60
345	SBS NAGAR	SAROYA	npp	31.15370	76.22450	5/9/2022	13:59:46	D	3.70
346	TARN TARAN	CHOHLA SAHIB	npp	31.35830	75.09550	5/9/2022	13:59:46	D	3.90
347	TARN TARAN	CHOHLA SAHIB	Aqua	31.20500	75.01600	5/9/2022	13:50:43	D	10.10
348	TARN TARAN	KHADUR SAHIB	npp	31.46570	75.10610	5/9/2022	13:59:46	D	3.90
349	TARN TARAN	KHADUR SAHIB	npp	31.46640	75.10800	5/9/2022	13:59:46	D	5.00
350	TARN TARAN	NAUSHERA PANNUAN	npp	31.34860	74.90270	5/9/2022	13:59:46	D	4.60

351	TARN TARAN	NAUSHERA PANNUAN	npp	31.35120	74.90470	5/9/2022	13:59:46	D	5.50
352	TARN TARAN	PATTI	npp	31.18970	74.77640	5/9/2022	13:59:46	D	2.00
353	TARN TARAN	PATTI	npp	31.30150	74.83650	5/9/2022	13:59:46	D	3.70
354	TARN TARAN	PATTI	npp	31.34500	74.86700	5/9/2022	13:59:46	D	6.50
355	TARN TARAN	PATTI	npp	31.34790	74.86890	5/9/2022	13:59:46	D	41.90
356	TARN TARAN	PATTI	Aqua	31.17400	74.90400	5/9/2022	13:50:43	D	10.00
357	TARN TARAN	PATTI	Aqua	31.34300	74.86100	5/9/2022	13:50:43	D	15.00

Details of wheat residue burning events in Haryana on 09-May-2022

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_DATE	ACQ_TIME	Day / Night	Fire Power (W/m ²)
1	FATEHABAD	BHUNA	npp	29.53640	75.65450	5/9/2022	13:59:46	D	4.90
2	FATEHABAD	BHUNA	npp	29.62290	75.74370	5/9/2022	13:59:46	D	3.30
3	FATEHABAD	RATIA	npp	29.64420	75.33870	5/9/2022	13:59:46	D	4.50
4	FATEHABAD	TOHANA	Aqua	29.65700	75.82800	5/9/2022	13:50:43	D	9.10
5	HISAR	HANSI-II	npp	29.09100	76.27320	5/9/2022	13:59:46	D	4.00
6	HISAR	HISAR-I	npp	29.12110	75.78000	5/9/2022	02:49:46	N	0.90
7	HISAR	UKLANA	npp	29.49820	75.78610	5/9/2022	13:59:46	D	3.50
8	JIND	SAFIDON	npp	29.37410	76.57680	5/9/2022	13:59:46	D	3.00
9	KAITHAL	GUHLA	npp	30.08600	76.28530	5/9/2022	13:59:46	D	5.80
10	KAITHAL	GUHLA	npp	30.08660	76.28770	5/9/2022	13:59:46	D	4.90
11	KAITHAL	KALAYAT	npp	29.64370	76.35140	5/9/2022	13:59:46	D	4.70
12	KARNAL	CHIRAO	npp	29.59480	76.85960	5/9/2022	13:59:46	D	4.40
13	KARNAL	CHIRAO	npp	29.75140	76.70160	5/9/2022	13:59:46	D	7.70
14	KARNAL	GHARAUNDA	npp	29.59060	76.88730	5/9/2022	13:59:46	D	4.30
15	PANIPAT	BAPPAULI	Terra	29.27800	77.07500	5/9/2022	10:40:32	D	24.60
16	ROHTAK	KALANAUR	npp	28.78480	76.45340	5/9/2022	13:59:46	D	5.50
17	SIRSA	ELLENABAD	npp	29.51070	74.63890	5/9/2022	13:59:46	D	6.30
18	SIRSA	ELLENABAD	npp	29.51270	74.63960	5/9/2022	13:59:46	D	9.50
19	SIRSA	ELLENABAD	npp	29.52270	74.65230	5/9/2022	13:59:46	D	9.50
20	SIRSA	ELLENABAD	Aqua	29.52100	74.65600	5/9/2022	13:50:43	D	9.70

21	SIRSA	NATHUSARI CHOPTA	npp	29.39490	75.19830	5/9/2022	13:59:46	D	5.70
22	SIRSA	NATHUSARI CHOPTA	npp	29.52270	75.22950	5/9/2022	13:59:46	D	4.10
23	SIRSA	RANIA	npp	29.58180	74.59320	5/9/2022	13:59:46	D	12.90
24	SIRSA	RANIA	npp	29.58810	74.69540	5/9/2022	13:59:46	D	14.70
25	SONIPAT	GANAUR	npp	29.12250	76.89350	5/9/2022	13:59:46	D	4.30
26	SONIPAT	MUNDLANA	npp	29.19210	76.69850	5/9/2022	13:59:46	D	8.90
27	YAMUNANAGAR	CHHACHHRAULI	npp	30.28240	77.43070	5/9/2022	13:59:46	D	2.70

Details of wheat residue burning events in Uttar Pradesh on 09-May-2022

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_DATE	ACQ_TIME	Day / Night	Fire Power (W/m ²)
1	ALIGARH	ATRAULI	npp	27.98500	78.58540	5/9/2022	13:59:46	D	3.20
2	ALLAHABAD	KORAWN	npp	24.91080	81.98550	5/9/2022	01:09:29	N	0.20
3	ALLAHABAD	MEZA	Terra	25.09600	82.05600	5/9/2022	10:40:32	D	9.20
4	AURAIYA	BIDHUNA	npp	26.64090	79.47810	5/9/2022	01:09:29	N	3.60
5	AURAIYA	BIDHUNA	npp	26.64170	79.47930	5/9/2022	01:09:29	N	3.50
6	BAHRAICH	NANPARA	Terra	27.93900	81.58300	5/9/2022	10:40:32	D	10.60
7	BALLIA	BALLIA	npp	25.87920	84.06940	5/9/2022	13:59:46	D	8.70
8	BALLIA	BALLIA	npp	25.90910	84.02100	5/9/2022	12:19:29	D	2.30
9	BALLIA	BALLIA	npp	25.90990	84.02470	5/9/2022	12:19:29	D	2.30
10	BALLIA	BANSDIH	npp	25.89950	84.10080	5/9/2022	12:19:29	D	2.80
11	BALLIA	SIKANDARPUR	npp	26.03500	84.04330	5/9/2022	12:19:29	D	1.50
12	BALLIA	SIKANDARPUR	npp	26.03950	83.96460	5/9/2022	12:19:29	D	1.20
13	BALLIA	SIKANDARPUR	npp	26.04470	83.96320	5/9/2022	12:19:29	D	1.20
14	BALRAMPUR	TULSIPUR	npp	27.57990	82.54510	5/9/2022	12:19:29	D	1.10
15	BAREILLY	BAHERI	npp	28.79970	79.66900	5/9/2022	13:59:46	D	11.40
16	BAREILLY	BAHERI	Terra	28.82100	79.65500	5/9/2022	10:40:32	D	11.40
17	BAREILLY	BAHERI	Terra	28.82500	79.61900	5/9/2022	10:40:32	D	8.80
18	BASTI	BHANPUR	npp	26.87980	82.70820	5/9/2022	12:19:29	D	2.80
19	BIJNOR	AFZALGARH	npp	29.31970	78.68900	5/9/2022	12:19:29	D	3.50
20	CHANDAULI	CHANDAULI	npp	25.27990	83.44100	5/9/2022	12:19:29	D	2.20
21	CHANDAULI	CHANDAULI	npp	25.28080	83.44510	5/9/2022	12:19:29	D	2.20
22	CHANDAULI	CHANDAULI	npp	25.28240	83.44020	5/9/2022	12:19:29	D	2.30
23	CHANDAULI	CHANDAULI	npp	25.28330	83.44430	5/9/2022	12:19:29	D	2.30
24	CHANDAULI	CHANDAULI	Terra	25.31700	83.38100	5/9/2022	10:40:32	D	12.00
25	CHANDAULI	CHANDAULI	Terra	25.31800	83.37100	5/9/2022	10:40:32	D	48.60
26	CHANDAULI	SHAKALDIHA	npp	25.29650	83.18520	5/9/2022	12:19:29	D	5.00
27	CHANDAULI	SHAKALDIHA	npp	25.37980	83.39150	5/9/2022	12:19:29	D	5.80
28	CHANDAULI	SHAKALDIHA	npp	25.38340	83.39110	5/9/2022	12:19:29	D	4.90
29	CHITRAKOOT	KARWI	npp	25.41930	81.12020	5/9/2022	01:09:29	N	0.40

30	DEORIA	DEORIA	npp	26.66190	83.91760	5/9/2022	12:19:29	D	3.60
31	DEORIA	RUDRAPUR	npp	26.41080	83.57370	5/9/2022	12:19:29	D	2.30
32	DEORIA	RUDRAPUR	npp	26.41560	83.57250	5/9/2022	12:19:29	D	14.80
33	DEORIA	RUDRAPUR	npp	26.41610	83.57220	5/9/2022	12:19:29	D	14.30
34	DEORIA	RUDRAPUR	npp	26.41640	83.57630	5/9/2022	12:19:29	D	16.30
35	DEORIA	RUDRAPUR	npp	26.41700	83.57600	5/9/2022	12:19:29	D	15.30
36	GAZIPUR	ZAMANIA	npp	25.42210	83.75190	5/9/2022	12:19:29	D	4.00
37	GONDA	COLONELGANJ	Terra	27.11500	81.67700	5/9/2022	10:40:32	D	11.20
38	GORAKHPUR	CHAURI CHAURA	npp	26.59930	83.49770	5/9/2022	12:19:29	D	4.50
39	GORAKHPUR	CHAURI CHAURA	npp	26.60000	83.49670	5/9/2022	12:19:29	D	4.40
40	GORAKHPUR	KHAJNI	npp	26.66470	83.25940	5/9/2022	12:19:29	D	17.50
41	GORAKHPUR	KHAJNI	npp	26.66510	83.25890	5/9/2022	12:19:29	D	16.50
42	HARDOI	BILGRAM	npp	27.12450	80.08840	5/9/2022	12:19:29	D	9.40
43	HARDOI	BILGRAM	npp	27.12610	80.09430	5/9/2022	12:19:29	D	8.60
44	HARDOI	SHAHABAD	npp	27.66030	80.06460	5/9/2022	12:19:29	D	6.00
45	HARDOI	SHAHABAD	Aqua	27.65700	80.06900	5/9/2022	13:50:43	D	17.20
46	HARDOI	SHAHABAD	Aqua	27.65900	80.05800	5/9/2022	13:50:43	D	22.30
47	JALAUN	KONCH	npp	25.85690	79.16230	5/9/2022	13:59:46	D	3.70
48	JALAUN	KONCH	npp	25.86240	79.16180	5/9/2022	13:59:46	D	3.70
49	JHANSI	JHANSI	npp	25.47590	78.67020	5/9/2022	13:59:46	D	5.00
50	JHANSI	JHANSI	npp	25.48110	78.66970	5/9/2022	13:59:46	D	5.00
51	JHANSI	JHANSI	npp	25.55720	78.63280	5/9/2022	13:59:46	D	13.30
52	JHANSI	JHANSI	Aqua	25.55100	78.63200	5/9/2022	13:50:43	D	23.80
53	JYOTIBAPHULE NAGAR	DHANAURA	npp	29.04050	78.07090	5/9/2022	13:59:46	D	5.50
54	KHERI	GOLA	npp	28.16560	80.64290	5/9/2022	12:19:29	D	7.40
55	KHERI	NIGHASAN	npp	28.34250	81.00400	5/9/2022	12:19:29	D	4.10
56	KHERI	NIGHASAN	npp	28.34880	81.02870	5/9/2022	12:19:29	D	5.10
57	LALITPUR	LALITPUR	Terra	24.83400	78.47900	5/9/2022	10:40:32	D	17.10
58	MATHURA	MAT	npp	27.69160	77.76230	5/9/2022	13:59:46	D	2.10
59	MEERUT	MAWANA	npp	29.18050	78.11670	5/9/2022	13:59:46	D	2.20
60	MEERUT	MAWANA	npp	29.18080	78.12040	5/9/2022	13:59:46	D	2.20
61	MEERUT	MAWANA	npp	29.18220	78.11970	5/9/2022	13:59:46	D	4.10
62	MIRZAPUR	CHUNAR	npp	25.09420	82.95500	5/9/2022	01:09:29	N	2.30

63	MORADABAD	MORADABAD	Aqua	28.90700	78.72700	5/9/2022	13:50:43	D	11.60
64	PILHIBHIT	BISALPUR	npp	28.34010	79.72990	5/9/2022	12:19:29	D	2.70
65	PILHIBHIT	BISALPUR	npp	28.40200	79.90080	5/9/2022	13:59:46	D	1.10
66	PILHIBHIT	PILHIBHIT	npp	28.67100	79.74090	5/9/2022	13:59:46	D	1.60
67	PILHIBHIT	PILHIBHIT	npp	28.83990	79.74420	5/9/2022	13:59:46	D	7.10
68	PILHIBHIT	PURANPUR	npp	28.39440	80.23780	5/9/2022	13:59:46	D	5.50
69	PILHIBHIT	PURANPUR	npp	28.39720	80.23340	5/9/2022	13:59:46	D	5.40
70	PILHIBHIT	PURANPUR	npp	28.39750	80.23830	5/9/2022	13:59:46	D	10.60
71	PILHIBHIT	PURANPUR	npp	28.40040	80.23730	5/9/2022	13:59:46	D	7.10
72	PILHIBHIT	PURANPUR	npp	28.40300	80.09410	5/9/2022	12:19:29	D	3.00
73	PILHIBHIT	PURANPUR	npp	28.40750	80.09570	5/9/2022	12:19:29	D	5.80
74	PILHIBHIT	PURANPUR	npp	28.50230	80.10400	5/9/2022	12:19:29	D	8.30
75	PILHIBHIT	PURANPUR	npp	28.50520	80.10270	5/9/2022	12:19:29	D	8.80
76	PILHIBHIT	PURANPUR	npp	28.56340	80.04020	5/9/2022	13:59:46	D	3.10
77	PILHIBHIT	PURANPUR	npp	28.57410	80.05080	5/9/2022	13:59:46	D	5.90
78	PILHIBHIT	PURANPUR	npp	28.57590	80.04880	5/9/2022	13:59:46	D	4.70
79	PILHIBHIT	PURANPUR	npp	28.58210	80.08400	5/9/2022	13:59:46	D	3.80
80	PILHIBHIT	PURANPUR	npp	28.58340	80.08340	5/9/2022	12:19:29	D	5.50
81	PILHIBHIT	PURANPUR	npp	28.58420	80.08190	5/9/2022	13:59:46	D	3.20
82	PILHIBHIT	PURANPUR	npp	28.62690	80.12300	5/9/2022	12:19:29	D	3.00
83	RAMPUR	BILASPUR	npp	28.79610	79.28490	5/9/2022	13:59:46	D	2.60
84	SANTKABIRNAGAR	MEHDAWAL	npp	26.95370	83.01570	5/9/2022	12:19:29	D	0.90
85	SHAHJAHANPUR	PUWANYA	npp	28.05950	80.00890	5/9/2022	13:59:46	D	4.90
86	SHAHJAHANPUR	PUWANYA	npp	28.06140	80.00870	5/9/2022	13:59:46	D	4.60
87	SHAHJAHANPUR	PUWANYA	npp	28.24430	80.22540	5/9/2022	13:59:46	D	5.70
88	SHAHJAHANPUR	PUWANYA	Terra	28.19200	80.26600	5/9/2022	10:40:32	D	11.50
89	SHAHJAHANPUR	SHAHJAHANPUR	npp	27.81420	79.97410	5/9/2022	13:59:46	D	3.50
90	SHAHJAHANPUR	SHAHJAHANPUR	npp	27.82150	79.67770	5/9/2022	13:59:46	D	2.00
91	SHAHJAHANPUR	SHAHJAHANPUR	npp	27.82210	79.67990	5/9/2022	13:59:46	D	4.10
92	SHAHJAHANPUR	TILHAR	npp	27.95090	79.77300	5/9/2022	13:59:46	D	4.00
93	SHRAWASTI	BHINGA	npp	27.76010	81.76750	5/9/2022	12:19:29	D	1.90
94	SHRAWASTI	BHINGA	npp	27.76470	81.81520	5/9/2022	13:59:46	D	5.80
95	SHRAWASTI	BHINGA	npp	27.76490	81.81190	5/9/2022	13:59:46	D	7.90

96	SHRAWASTI	BHINGA	Terra	27.80600	82.06500	5/9/2022	10:40:32	D	15.80
97	SIDDHARTHANAGAR	BANSI	npp	27.04880	82.80560	5/9/2022	12:19:29	D	5.80
98	SIDDHARTHANAGAR	ITWA	npp	27.40410	82.64590	5/9/2022	12:19:29	D	3.50
99	SIDDHARTHANAGAR	ITWA	Terra	27.40600	82.64600	5/9/2022	10:40:32	D	24.40
100	SIDDHARTHANAGAR	NAUGARH	npp	27.19560	83.08490	5/9/2022	12:19:29	D	1.70
101	SONBHADRA	REBUTSHGANJ	npp	24.72810	83.13700	5/9/2022	01:09:29	N	0.80
102	UNNAO	PURWA	npp	26.53520	80.82490	5/9/2022	13:59:46	D	3.00
103	UNNAO	PURWA	npp	26.53650	80.82460	5/9/2022	13:59:46	D	3.30

Details of wheat residue burning events in Madhya Pradesh on 09-May-2022

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_DATE	ACQ_TIME	Day / Night	Fire Power (W/m ²)
1	ASHOKNAGAR	MUNGAOLI	Terra	24.45900	78.13500	5/9/2022	10:40:32	D	24.70
2	ASHOKNAGAR	MUNGAOLI	Terra	24.46000	78.12900	5/9/2022	10:40:32	D	40.60
3	ASHOKNAGAR	MUNGAOLI	Terra	24.46100	78.12300	5/9/2022	10:40:32	D	21.90
4	BALAGHAT	LALBURRA	npp	21.80560	80.12400	5/9/2022	13:59:46	D	2.60
5	BETUL	BHAINSDEHI	npp	21.64490	77.82730	5/9/2022	13:59:46	D	8.20
6	BETUL	BHAINSDEHI	Aqua	21.97100	77.55500	5/9/2022	13:50:43	D	45.30
7	BETUL	BHAINSDEHI	Aqua	21.97200	77.56500	5/9/2022	13:50:43	D	151.70
8	BHOPAL	BERASIYA	npp	23.64140	77.36800	5/9/2022	02:49:46	N	1.10
9	BHOPAL	BERASIYA	npp	23.68670	77.48410	5/9/2022	01:09:29	N	2.80
10	BHOPAL	BERASIYA	npp	23.74990	77.38030	5/9/2022	02:49:46	N	0.70
11	BHOPAL	HUZUR	npp	23.12860	77.41080	5/9/2022	13:59:46	D	15.10
12	BHOPAL	HUZUR	npp	23.38270	77.49470	5/9/2022	02:49:46	N	2.50
13	CHHATARPUR	BARAMALEHRA	npp	24.44220	78.98880	5/9/2022	13:59:46	D	3.20
14	CHHINDWARA	CHAURAI	npp	22.02180	79.33050	5/9/2022	13:59:46	D	7.30
15	CHHINDWARA	CHAURAI	npp	22.06800	79.36720	5/9/2022	13:59:46	D	9.30
16	CHHINDWARA	CHAURAI	Terra	21.91300	79.12600	5/9/2022	10:40:32	D	13.60
17	CHHINDWARA	CHHINDWARA	npp	22.14220	78.99350	5/9/2022	13:59:46	D	11.80
18	CHHINDWARA	CHHINDWARA	npp	22.17350	79.04460	5/9/2022	13:59:46	D	10.20
19	CHHINDWARA	PANDHURNA	Aqua	21.76100	78.50600	5/9/2022	13:50:43	D	13.60

20	CHHINDWARA	PARASIA	npp	22.04780	78.79660	5/9/2022	13:59:46	D	4.90
21	CHHINDWARA	PARASIA	npp	22.05050	78.79720	5/9/2022	13:59:46	D	12.40
22	CHHINDWARA	TAMIA	npp	22.61410	78.67020	5/9/2022	13:59:46	D	18.00
23	CHHINDWARA	TAMIA	npp	22.61450	78.67340	5/9/2022	13:59:46	D	18.00
24	DAMOH	DAMOH	Terra	23.82100	79.35800	5/9/2022	10:40:32	D	21.80
25	DAMOH	PATHARIA	npp	23.90840	79.11350	5/9/2022	01:09:29	N	2.80
26	DAMOH	PATHARIA	npp	23.99700	79.29630	5/9/2022	01:09:29	N	3.50
27	DAMOH	PATHARIA	npp	23.99930	79.29470	5/9/2022	01:09:29	N	3.90
28	DATIA	BHANDER	npp	25.59750	78.65360	5/9/2022	12:19:29	D	3.60
29	DATIA	BHANDER	npp	25.64380	78.80640	5/9/2022	12:19:29	D	1.80
30	DATIA	BHANDER	npp	25.88270	78.67530	5/9/2022	13:59:46	D	4.80
31	DATIA	BHANDER	Aqua	25.87900	78.67000	5/9/2022	13:50:43	D	14.90
32	DATIA	DATIA	npp	25.62690	78.59400	5/9/2022	12:19:29	D	5.30
33	DATIA	DATIA	npp	25.62900	78.60170	5/9/2022	12:19:29	D	5.30
34	DATIA	DATIA	npp	25.67060	78.54170	5/9/2022	13:59:46	D	2.50
35	DATIA	DATIA	npp	25.72650	78.69320	5/9/2022	13:59:46	D	7.50
36	DATIA	DATIA	npp	25.78240	78.42830	5/9/2022	13:59:46	D	2.90
37	DATIA	DATIA	npp	25.78760	78.42780	5/9/2022	13:59:46	D	2.90
38	DATIA	DATIA	Terra	25.63300	78.60400	5/9/2022	10:40:32	D	18.50
39	DATIA	DATIA	Terra	25.63400	78.59200	5/9/2022	10:40:32	D	21.70
40	DATIA	SEONDHA	npp	25.91690	78.57840	5/9/2022	13:59:46	D	2.90
41	DATIA	SEONDHA	npp	25.91970	78.51520	5/9/2022	12:19:29	D	3.20
42	DEWAS	DEWAS	Aqua	22.80100	76.09000	5/9/2022	13:50:43	D	22.30
43	DEWAS	TONK KHURD	npp	23.10460	76.27680	5/9/2022	13:59:46	D	13.30
44	GUNA	ARON	npp	24.34010	77.60090	5/9/2022	01:09:29	N	3.80
45	GUNA	ARON	npp	24.34290	77.60280	5/9/2022	01:09:29	N	3.10
46	GUNA	GUNA	npp	24.71870	77.36640	5/9/2022	02:49:46	N	0.70
47	GUNA	GUNA	npp	24.77390	77.00420	5/9/2022	02:49:46	N	0.60
48	GUNA	GUNA	npp	24.79390	77.18770	5/9/2022	01:09:29	N	1.40
49	GUNA	GUNA	npp	24.99100	77.11060	5/9/2022	02:49:46	N	1.50
50	GUNA	GUNA	npp	24.99300	77.10840	5/9/2022	02:49:46	N	1.60
51	GUNA	GUNA	Terra	25.05800	76.98100	5/9/2022	10:40:32	D	14.50
52	GWALIOR	BHITARWAR	npp	25.87940	78.05010	5/9/2022	13:59:46	D	4.60

53	GWALIOR	BHITARWAR	npp	26.00550	78.04640	5/9/2022	13:59:46	D	4.10
54	GWALIOR	BHITARWAR	npp	26.02660	78.16110	5/9/2022	13:59:46	D	3.60
55	GWALIOR	DABRA	npp	25.95220	78.25730	5/9/2022	13:59:46	D	3.70
56	GWALIOR	DABRA	npp	25.95730	78.25670	5/9/2022	13:59:46	D	5.20
57	GWALIOR	DABRA	npp	25.95760	78.26010	5/9/2022	13:59:46	D	7.30
58	GWALIOR	DABRA	npp	25.96600	78.35570	5/9/2022	13:59:46	D	5.10
59	GWALIOR	DABRA	npp	25.97170	78.36850	5/9/2022	01:09:29	N	0.90
60	GWALIOR	DABRA	npp	25.97270	78.37240	5/9/2022	13:59:46	D	7.30
61	GWALIOR	DABRA	Aqua	25.95200	78.25000	5/9/2022	13:50:43	D	52.30
62	GWALIOR	DABRA	Aqua	25.95400	78.26300	5/9/2022	13:50:43	D	36.60
63	GWALIOR	DABRA	Aqua	25.96600	78.36700	5/9/2022	13:50:43	D	16.50
64	INDORE	SANWER	npp	22.94430	75.68270	5/9/2022	13:59:46	D	9.50
65	JABALPUR	JABALPUR	npp	23.10960	80.00880	5/9/2022	12:19:29	D	8.10
66	JABALPUR	JABALPUR	npp	23.11190	80.00660	5/9/2022	12:19:29	D	4.80
67	JABALPUR	JABALPUR	npp	23.16550	79.81270	5/9/2022	13:59:46	D	9.40
68	JABALPUR	JABALPUR	npp	23.16590	79.81650	5/9/2022	13:59:46	D	9.40
69	JABALPUR	JABALPUR	npp	23.17140	79.81600	5/9/2022	13:59:46	D	2.70
70	JABALPUR	JABALPUR	Aqua	23.16600	79.81000	5/9/2022	13:50:43	D	19.20
71	JABALPUR	PATAN	npp	23.19310	79.62620	5/9/2022	13:59:46	D	3.80
72	JABALPUR	PATAN	npp	23.35590	79.83020	5/9/2022	12:19:29	D	14.30
73	JABALPUR	SAHPURA	npp	23.19290	79.62950	5/9/2022	13:59:46	D	7.10
74	JABALPUR	SAHPURA	npp	23.19340	79.62990	5/9/2022	13:59:46	D	3.80
75	JABALPUR	SAHPURA	Aqua	23.16300	79.81500	5/9/2022	13:50:43	D	24.60
76	KATNI	BAHURIBAND	npp	23.72050	80.20290	5/9/2022	13:59:46	D	5.40
77	KATNI	BAHURIBAND	npp	23.76700	79.97290	5/9/2022	13:59:46	D	10.20
78	KATNI	BARHI	Aqua	23.72500	80.75700	5/9/2022	13:50:43	D	30.10
79	KATNI	BIJERAGHOGARH	npp	23.93380	80.69740	5/9/2022	12:19:29	D	10.60
80	KATNI	BIJERAGHOGARH	npp	23.93450	80.74060	5/9/2022	13:59:46	D	6.70
81	KATNI	BIJERAGHOGARH	npp	23.93480	80.74520	5/9/2022	13:59:46	D	6.70
82	KATNI	BIJERAGHOGARH	npp	23.93560	80.69400	5/9/2022	12:19:29	D	8.10
83	KATNI	BIJERAGHOGARH	npp	23.93620	80.74030	5/9/2022	13:59:46	D	6.40
84	KATNI	BIJERAGHOGARH	npp	23.93660	80.74490	5/9/2022	13:59:46	D	6.40
85	KATNI	BIJERAGHOGARH	npp	23.93830	80.74330	5/9/2022	12:19:29	D	14.40

86	KATNI	BIJERAGHOGARH	npp	23.93990	80.74950	5/9/2022	12:19:29	D	10.10
87	KATNI	BIJERAGHOGARH	npp	23.94070	80.74470	5/9/2022	13:59:46	D	11.10
88	KATNI	BIJERAGHOGARH	npp	23.94140	80.75390	5/9/2022	13:59:46	D	7.90
89	KATNI	BIJERAGHOGARH	npp	23.94700	80.74880	5/9/2022	13:59:46	D	7.90
90	KATNI	MURBARA	npp	23.73310	80.41990	5/9/2022	13:59:46	D	2.30
91	MANDLA	BACHHIYA	Terra	22.40400	80.41900	5/9/2022	10:40:32	D	8.00
92	MANDLA	NAINPUR	Aqua	22.45800	80.12300	5/9/2022	13:50:43	D	16.70
93	NARSHIMAPURA	GOTECAON	npp	22.80930	79.44360	5/9/2022	13:59:46	D	20.60
94	NARSHIMAPURA	NARSIMHAPUR	npp	22.80900	79.44000	5/9/2022	13:59:46	D	18.20
95	PANNA	PANNA	npp	24.53360	80.19730	5/9/2022	13:59:46	D	1.80
96	RAISEN	BAGAMGANJ	npp	23.60790	78.41710	5/9/2022	13:59:46	D	7.00
97	RAISEN	BAGAMGANJ	npp	23.60910	78.41680	5/9/2022	13:59:46	D	4.50
98	RAISEN	BAGAMGANJ	npp	23.60940	78.42000	5/9/2022	13:59:46	D	4.50
99	RAISEN	BARELI	npp	23.04170	78.29680	5/9/2022	13:59:46	D	23.30
100	RAISEN	BARELI	npp	23.04670	78.29620	5/9/2022	13:59:46	D	22.90
101	RAISEN	GAIRATGANJ	npp	23.42720	78.22630	5/9/2022	02:49:46	N	2.00
102	RAISEN	GAIRATGANJ	npp	23.43040	78.22920	5/9/2022	02:49:46	N	1.90
103	RAISEN	GAIRATGANJ	npp	23.44270	78.01540	5/9/2022	02:49:46	N	2.50
104	RAISEN	RAISEN	npp	23.46640	77.74290	5/9/2022	01:09:29	N	4.20
105	RAISEN	RAISEN	npp	23.47010	77.74210	5/9/2022	02:49:46	N	1.70
106	RAJGARH	SARANGPUR	npp	23.71140	76.70540	5/9/2022	02:49:46	N	0.70
107	RAJGARH	SARANGPUR	npp	23.71700	76.70690	5/9/2022	02:49:46	N	0.70
108	RAJGARH	SARANGPUR	Aqua	23.71000	76.71800	5/9/2022	02:57:46	N	43.70
109	RAJGARH	SARANGPUR	Aqua	23.71600	76.72600	5/9/2022	02:57:46	N	38.00
110	RATLAM	ALOTOT	npp	23.69970	75.63110	5/9/2022	13:59:46	D	16.70
111	REWA	GURH	npp	24.45250	81.47480	5/9/2022	13:59:46	D	4.00
112	REWA	SIRMAUR	npp	24.79220	81.44880	5/9/2022	12:19:29	D	9.50
113	REWA	SIRMAUR	npp	24.79580	81.44490	5/9/2022	12:19:29	D	6.70
114	SAGAR	BINA	npp	24.36370	78.21380	5/9/2022	01:09:29	N	1.20
115	SAGAR	SAGAR	npp	23.58020	78.59510	5/9/2022	13:59:46	D	8.80
116	SAGAR	SAGAR	npp	23.66940	78.52590	5/9/2022	01:09:29	N	0.90
117	SATNA	AMARPATAN	npp	24.37060	81.10840	5/9/2022	12:19:29	D	3.50
118	SATNA	AMARPATAN	npp	24.37110	81.10830	5/9/2022	12:19:29	D	4.50

119	SATNA	AMARPATAN	npp	24.40600	81.27420	5/9/2022	01:09:29	N	1.40
120	SATNA	AMARPATAN	npp	24.44550	81.18640	5/9/2022	12:19:29	D	3.40
121	SATNA	AMARPATAN	Terra	24.38800	81.22700	5/9/2022	10:40:32	D	22.20
122	SATNA	AMARPATAN	Terra	24.38900	81.21800	5/9/2022	10:40:32	D	26.60
123	SATNA	MAIHAR	npp	24.12400	80.61540	5/9/2022	12:19:29	D	6.10
124	SATNA	MAIHAR	npp	24.12500	80.62440	5/9/2022	13:59:46	D	5.40
125	SATNA	MAIHAR	npp	24.12560	80.62170	5/9/2022	12:19:29	D	10.80
126	SATNA	MAIHAR	npp	24.12770	80.61800	5/9/2022	12:19:29	D	7.80
127	SATNA	MAIHAR	npp	24.17970	80.73430	5/9/2022	13:59:46	D	3.10
128	SATNA	MAIHAR	npp	24.22630	80.79940	5/9/2022	12:19:29	D	2.50
129	SATNA	MAIHAR	npp	24.22950	80.79540	5/9/2022	12:19:29	D	9.80
130	SATNA	MAIHAR	npp	24.23420	80.81380	5/9/2022	12:19:29	D	13.40
131	SATNA	MAIHAR	npp	24.23760	80.81650	5/9/2022	13:59:46	D	5.40
132	SATNA	MAIHAR	npp	24.24070	80.81180	5/9/2022	12:19:29	D	13.40
133	SATNA	MAIHAR	npp	24.35570	80.84030	5/9/2022	01:09:29	N	0.50
134	SATNA	MAIHAR	Terra	24.12400	80.62800	5/9/2022	10:40:32	D	8.70
135	SATNA	MAJHGAWAN	npp	24.75680	80.87780	5/9/2022	12:19:29	D	8.10
136	SATNA	MAJHGAWAN	npp	24.75720	80.88230	5/9/2022	12:19:29	D	9.40
137	SATNA	MAJHGAWAN	npp	24.75830	80.88370	5/9/2022	12:19:29	D	8.10
138	SATNA	MAJHGAWAN	npp	24.75870	80.88830	5/9/2022	12:19:29	D	9.40
139	SATNA	MAJHGAWAN	npp	24.76120	80.87800	5/9/2022	13:59:46	D	8.10
140	SATNA	MAJHGAWAN	npp	24.76190	80.88760	5/9/2022	13:59:46	D	4.90
141	SATNA	MAJHGAWAN	npp	24.77300	81.02460	5/9/2022	12:19:29	D	4.00
142	SATNA	MAJHGAWAN	npp	24.77450	81.03040	5/9/2022	12:19:29	D	4.00
143	SATNA	MAJHGAWAN	Terra	24.76000	80.88400	5/9/2022	10:40:32	D	16.20
144	SATNA	NAGOD	npp	24.60060	80.61800	5/9/2022	12:19:29	D	3.90
145	SATNA	NAGOD	npp	24.60220	80.62420	5/9/2022	12:19:29	D	7.50
146	SATNA	NAGOD	npp	24.60430	80.61920	5/9/2022	12:19:29	D	7.30
147	SATNA	RAGURAJNAGAR	npp	24.66890	80.77570	5/9/2022	12:19:29	D	5.10
148	SATNA	RAGURAJNAGAR	npp	24.67200	80.77540	5/9/2022	01:09:29	N	0.90
149	SATNA	RAGURAJNAGAR	npp	24.72460	80.75180	5/9/2022	13:59:46	D	2.60
150	SATNA	RAGURAJNAGAR	Terra	24.65400	80.78300	5/9/2022	10:40:32	D	11.20
151	SATNA	RAMPURBAGHLEAN	npp	24.64380	80.99640	5/9/2022	12:19:29	D	5.70

152	SATNA	RAMPURBAGHLEAN	npp	24.67460	80.99630	5/9/2022	01:09:29	N	1.20
153	SATNA	RAMPURBAGHLEAN	npp	24.72820	80.95270	5/9/2022	13:59:46	D	2.70
154	SATNA	RAMPURBAGHLEAN	npp	24.76670	81.02650	5/9/2022	12:19:29	D	4.00
155	SATNA	RAMPURBAGHLEAN	Terra	24.41000	80.88100	5/9/2022	10:40:32	D	6.90
156	SATNA	UCHAHAR	npp	24.35510	80.79220	5/9/2022	13:59:46	D	6.70
157	SATNA	UCHAHAR	npp	24.35830	80.79220	5/9/2022	13:59:46	D	7.80
158	SATNA	UCHAHAR	npp	24.41060	80.84910	5/9/2022	13:59:46	D	2.60
159	SEONI	GHANSAUR	npp	22.40030	79.70470	5/9/2022	13:59:46	D	12.70
160	SEONI	GHANSAUR	npp	22.40060	79.70850	5/9/2022	13:59:46	D	14.00
161	SEONI	GHANSAUR	npp	22.43060	79.84370	5/9/2022	01:09:29	N	1.80
162	SEONI	GHANSAUR	npp	22.78060	80.22090	5/9/2022	13:59:46	D	7.60
163	SEONI	GHANSAUR	Aqua	22.39800	79.71100	5/9/2022	13:50:43	D	30.30
164	SEONI	LAKHNADOU	npp	22.34340	79.68080	5/9/2022	13:59:46	D	12.70
165	SHAH DOL	BEOHARI	npp	24.06950	81.37920	5/9/2022	13:59:46	D	2.20
166	SHAJAPUR	AGAR	Terra	23.64200	75.90500	5/9/2022	10:40:32	D	44.20
167	SHAJAPUR	SHAJAPUR	npp	23.39890	76.34950	5/9/2022	02:49:46	N	2.00
168	SHAJAPUR	SHAJAPUR	npp	23.44640	76.25980	5/9/2022	02:49:46	N	1.50
169	SHEOPUR	KARAHAL	npp	25.28810	76.94280	5/9/2022	02:49:46	N	1.60
170	SHEOPUR	SHEOPUR	npp	25.68290	76.53480	5/9/2022	01:09:29	N	1.40
171	SHEOPUR	SHEOPUR	npp	25.68670	76.53400	5/9/2022	01:09:29	N	1.90
172	SHEOPUR	SHEOPUR	npp	25.70340	76.55150	5/9/2022	01:09:29	N	3.40
173	SHEOPUR	SHEOPUR	npp	25.72230	76.68080	5/9/2022	13:59:46	D	14.90
174	SHEOPUR	SHEOPUR	npp	25.74530	76.72130	5/9/2022	13:59:46	D	13.50
175	SHEOPUR	SHEOPUR	npp	25.76130	76.64880	5/9/2022	02:49:46	N	2.00
176	SHEOPUR	SHEOPUR	npp	25.76160	76.64900	5/9/2022	02:49:46	N	2.40
177	SHEOPUR	SHEOPUR	Aqua	25.59400	76.55000	5/9/2022	13:50:43	D	13.00
178	SHIVPURI	NARWAR	npp	25.57100	78.09140	5/9/2022	13:59:46	D	7.90
179	SHIVPURI	NARWAR	npp	25.65610	78.26060	5/9/2022	13:59:46	D	5.40
180	SHIVPURI	NARWAR	Aqua	25.64900	78.26100	5/9/2022	13:50:43	D	18.60
181	SINGRAULI	SINGRAULI	npp	24.03920	82.46950	5/9/2022	01:09:29	N	2.80
182	TIKAMGARH	NIVARI	npp	25.50760	78.87680	5/9/2022	12:19:29	D	6.50
183	UJJAIN	BARNAGAR	npp	23.25720	75.40190	5/9/2022	02:49:46	N	1.50
184	UJJAIN	BARNAGAR	npp	23.26250	75.40330	5/9/2022	02:49:46	N	1.50

185	UJJAIN	BARNAGAR	Terra	23.13700	75.40800	5/9/2022	10:40:32	D	21.60
186	UJJAIN	MEHIDPUR	npp	23.55020	75.65840	5/9/2022	02:49:46	N	0.60
187	UJJAIN	MEHIDPUR	npp	23.68510	75.70590	5/9/2022	02:49:46	N	0.30
188	UJJAIN	MEHIDPUR	npp	23.68680	75.71130	5/9/2022	02:49:46	N	1.10
189	UJJAIN	MEHIDPUR	npp	23.68770	75.70770	5/9/2022	02:49:46	N	1.10
190	UJJAIN	MEHIDPUR	npp	23.68960	75.71100	5/9/2022	02:49:46	N	1.20
191	UMARIA	PALI	Terra	23.28000	81.30300	5/9/2022	10:40:32	D	10.50
192	VIDESHA	BASODA	npp	23.76650	77.87340	5/9/2022	13:59:46	D	17.20
193	VIDESHA	BASODA	npp	23.76860	77.87130	5/9/2022	13:59:46	D	20.00
194	VIDESHA	GYARASPUR	npp	23.52090	78.05840	5/9/2022	02:49:46	N	0.70
195	VIDESHA	NATERAN	npp	23.93810	77.77600	5/9/2022	01:09:29	N	1.40
196	VIDESHA	NATERAN	npp	23.93930	77.77720	5/9/2022	01:09:29	N	1.70
197	VIDESHA	VIDESHA	npp	23.70660	77.66880	5/9/2022	01:09:29	N	2.10
198	VIDESHA	VIDESHA	npp	23.71080	77.67120	5/9/2022	01:09:29	N	1.30
199	VIDESHA	VIDESHA	npp	23.71310	77.66940	5/9/2022	01:09:29	N	1.30

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)**

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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)
