



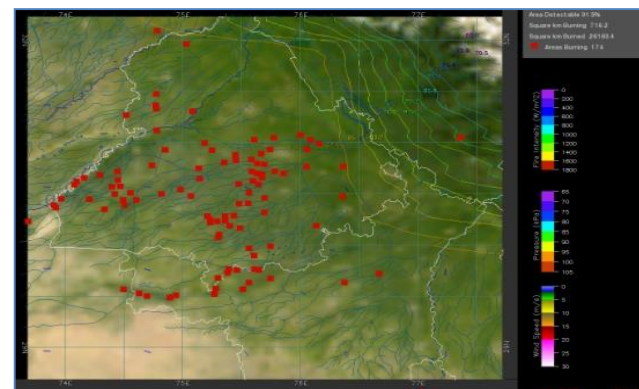
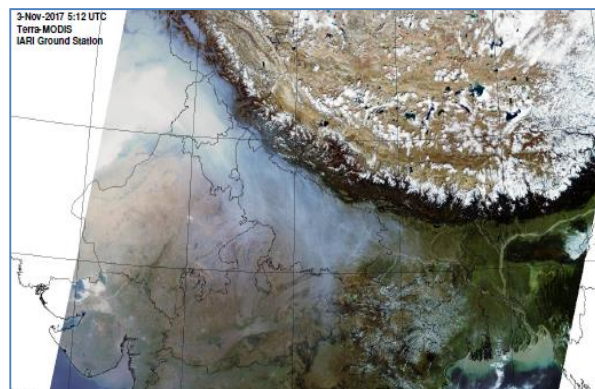
**Bulletin
No. 51**

**Events Date:
21-May-2026**

**Issued on:
21-May-2026**



MONITORING WHEAT RESIDUE BURNING IN INDIA USING SATELLITE REMOTE SENSING DURING 2026



Prepared by:

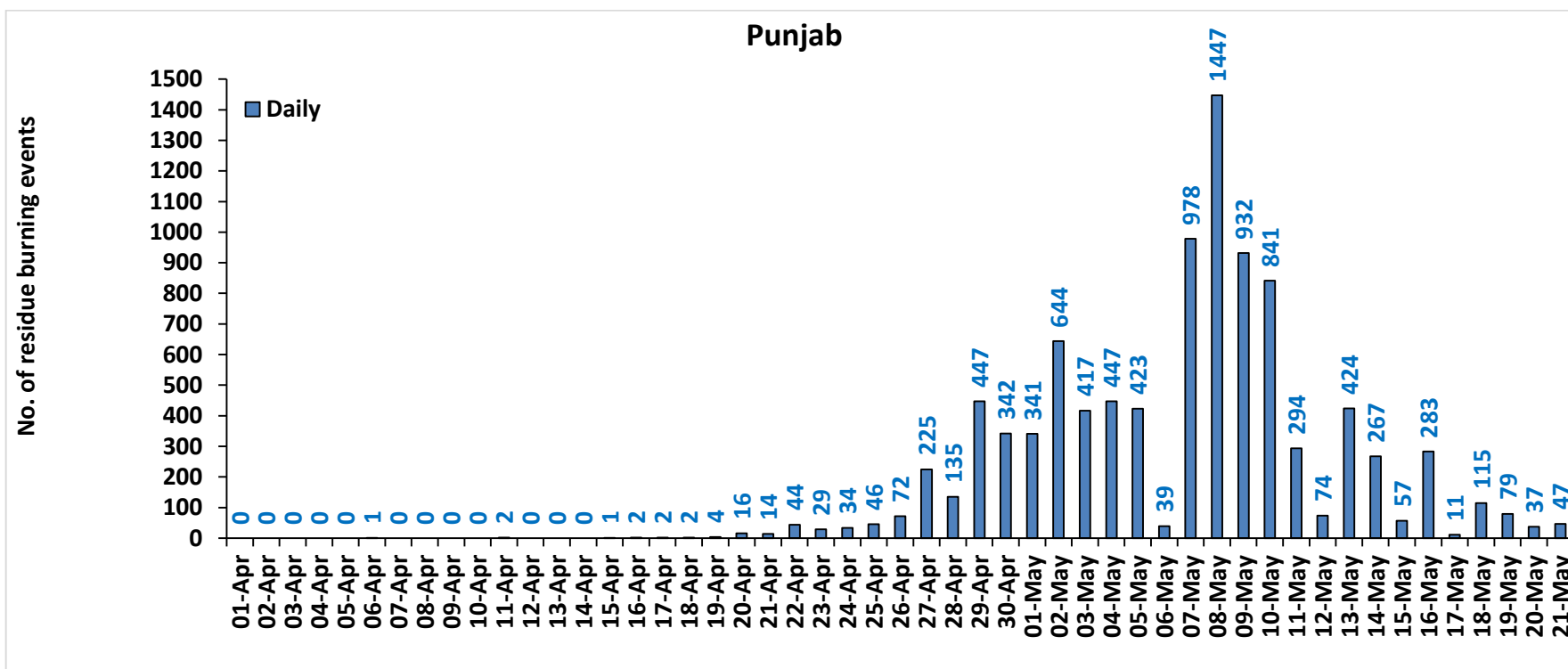
**Consortium for Research on Agroecosystem Monitoring and Modeling from Space (CREAMS) Laboratory,
Division of Agricultural Physics, ICAR – Indian Agricultural Research Institute, New Delhi – 110012**

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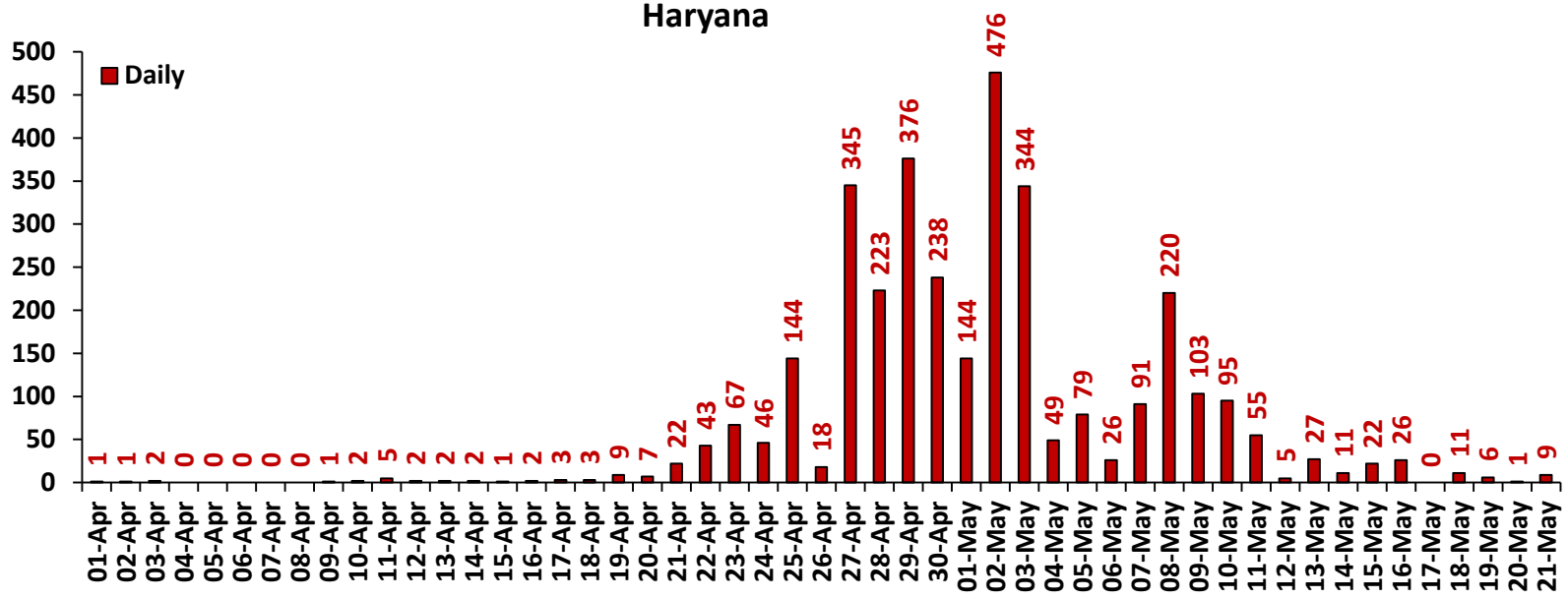
Highlights for 21-May-2026

- 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 **208** residue burning events in the five study States on **21-May-2026**.
- The state wise events detected on **21-May-2026** were **47** in Punjab, **09** in Haryana, **00** in Delhi, **41** in Uttar Pradesh and **111** in Madhya Pradesh.
- Total **66526** burning events were detected in the five states between **01-Apr-2026** and **21-May-2026**, which are distributed as **9615**, **3365**, **15523**, **64** and **37959** in Punjab, Haryana, UP, Delhi and MP, respectively.
- Detection of residue burning events was hampered by the presence of clouds over Madhya Pradesh states.

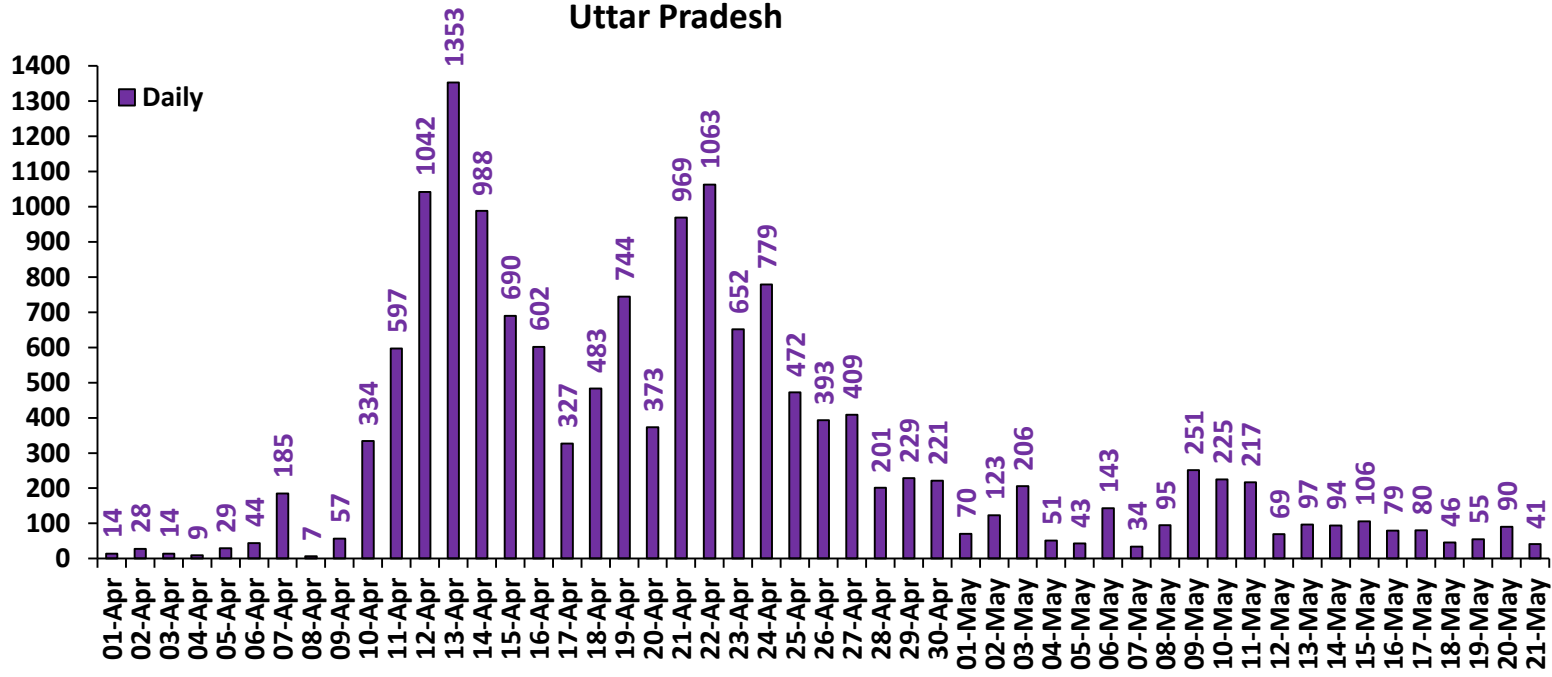
Temporal distribution of wheat residue burning events for the study States in 2026



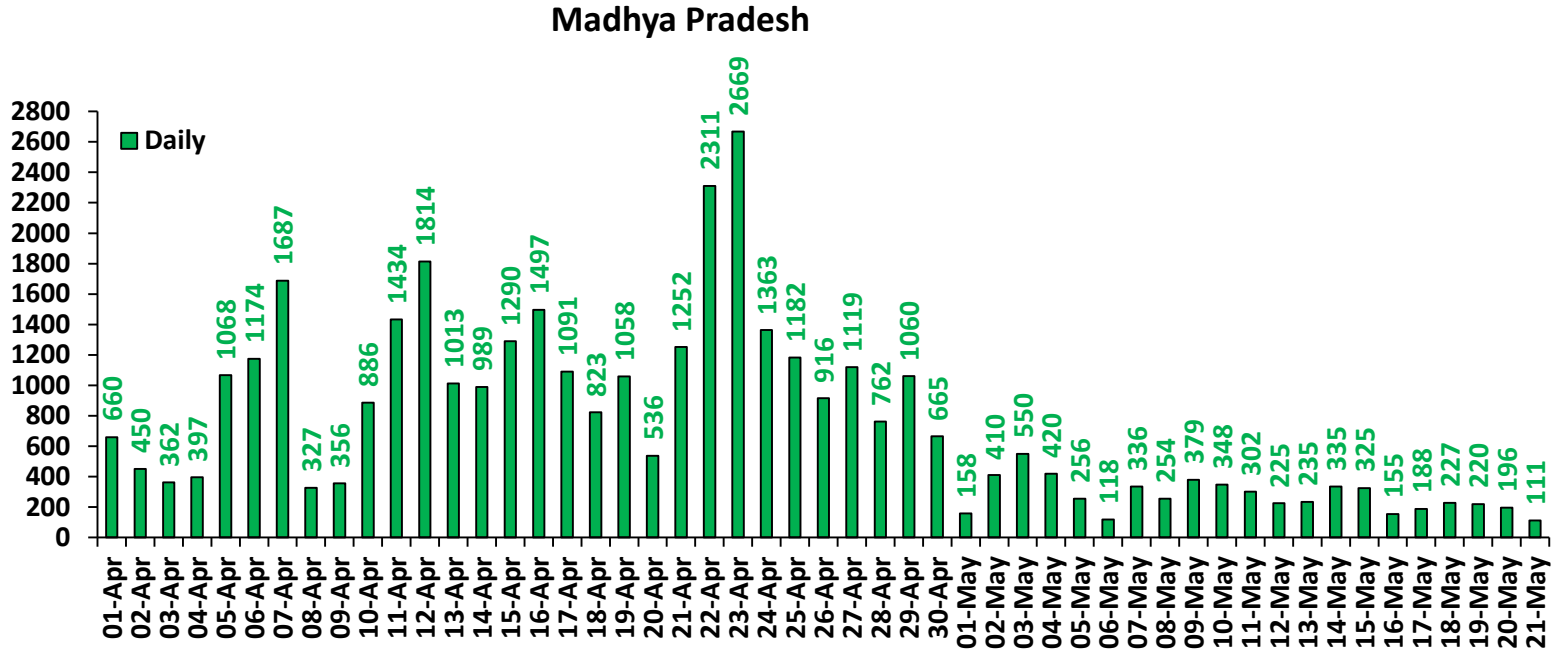
No. of residue burning events



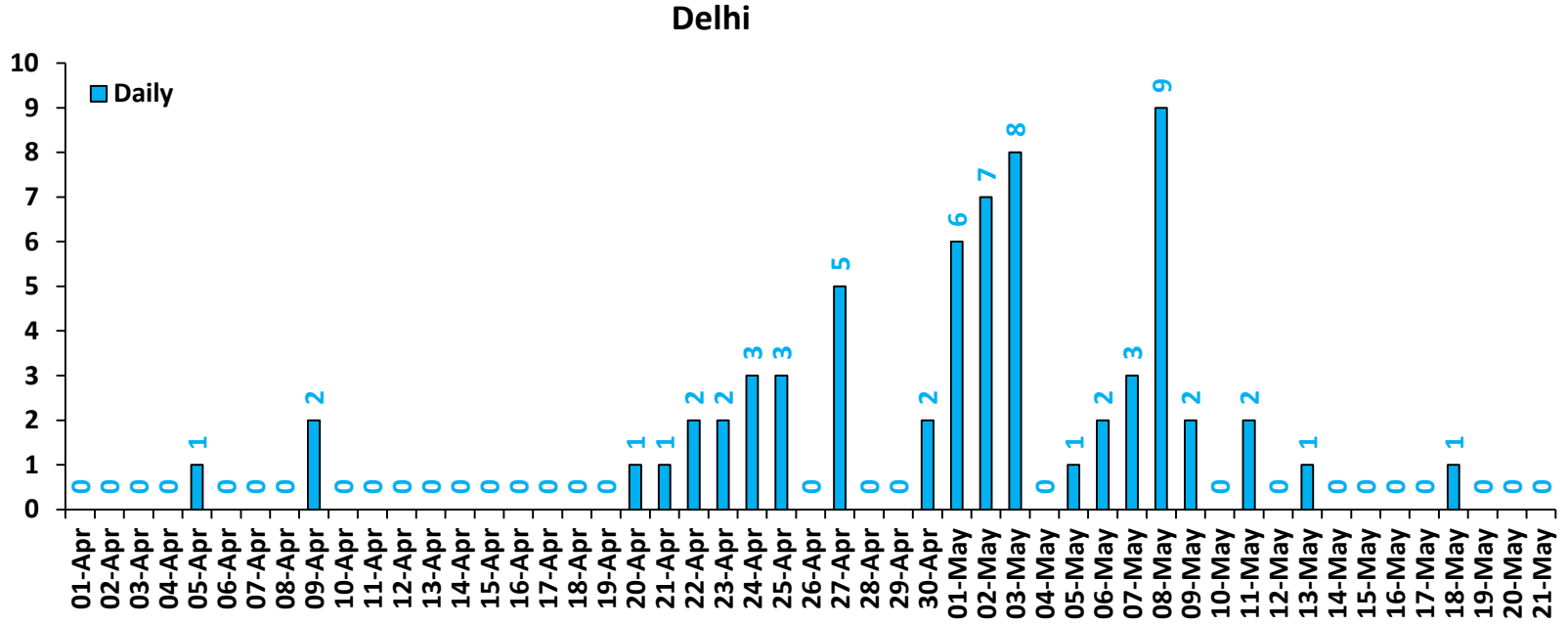
No. of residue burning events



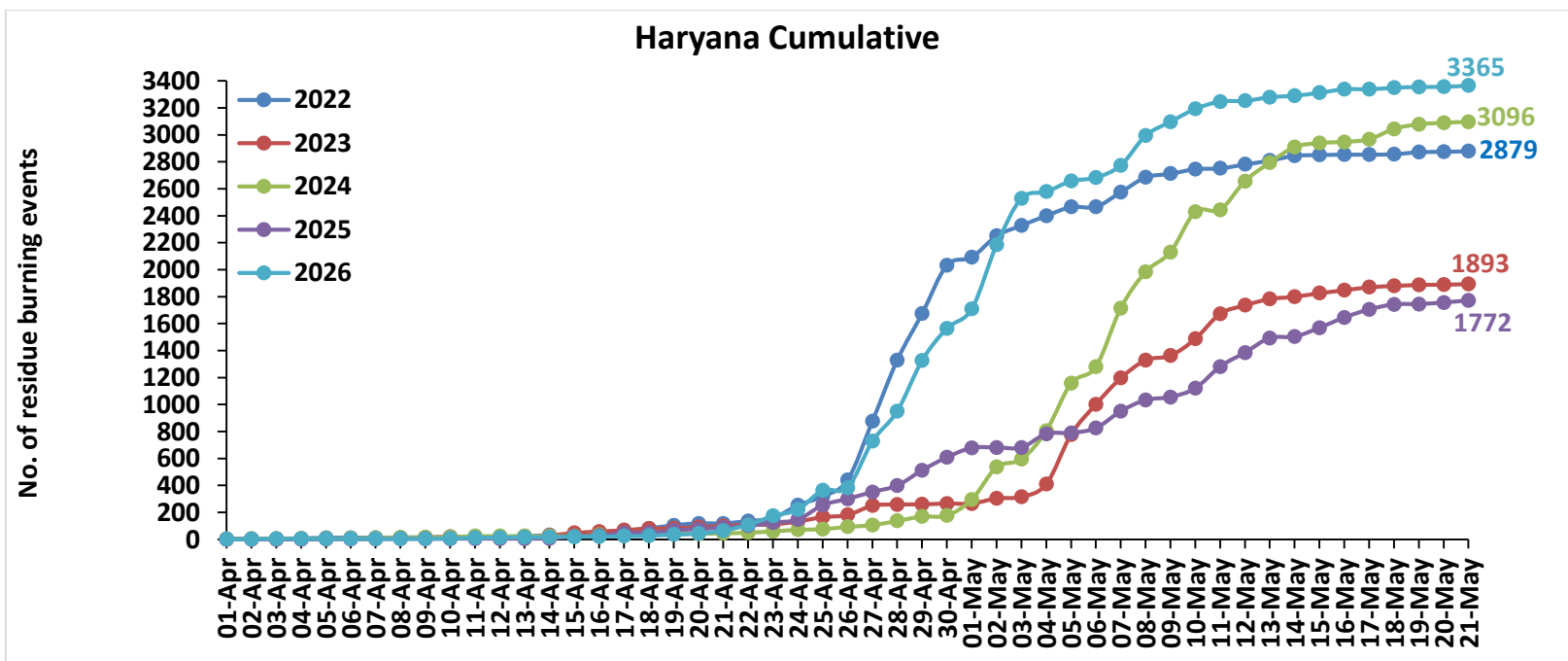
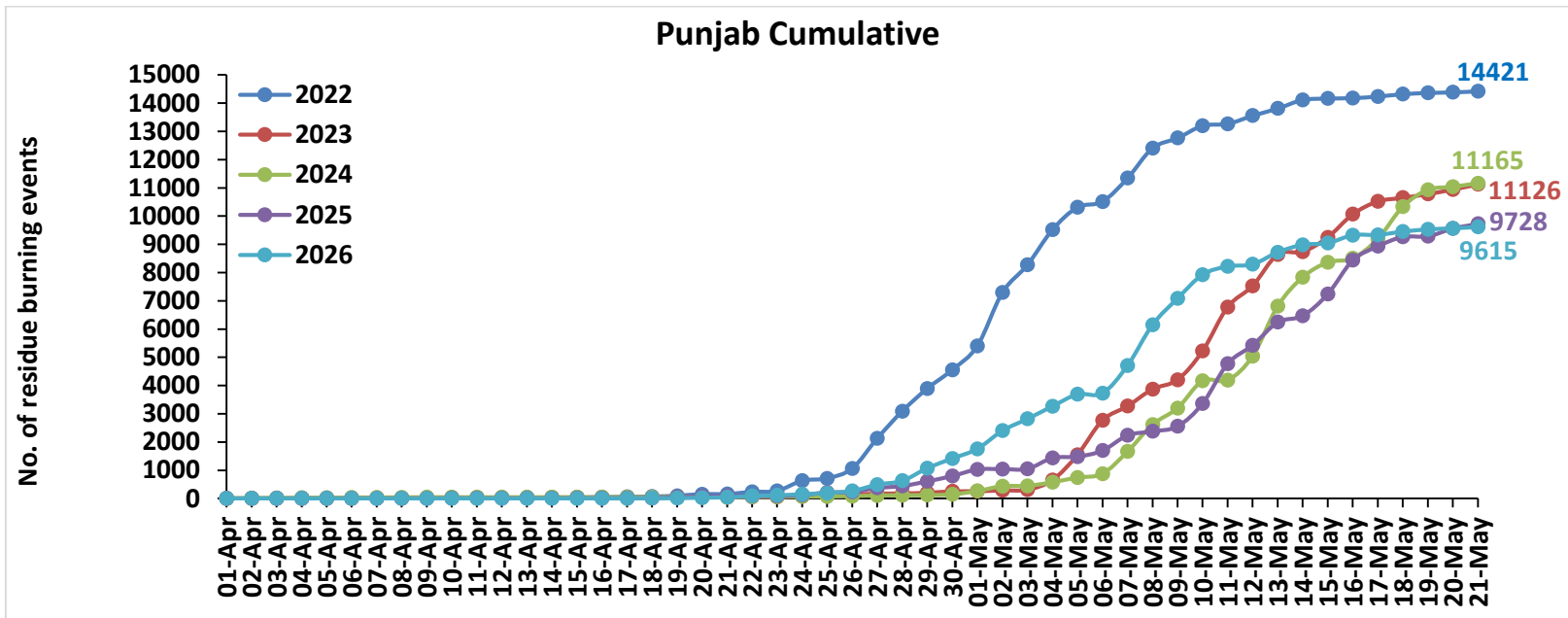
No. of residue burning events



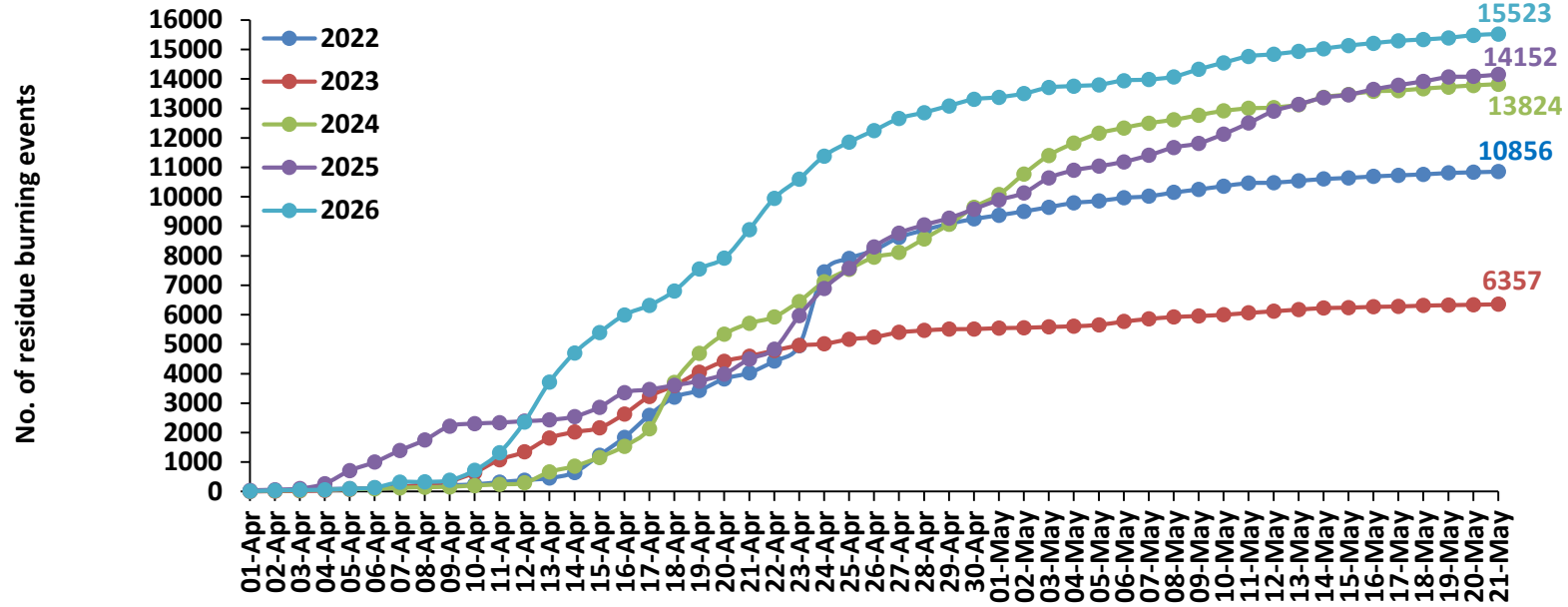
No. of residue burning events



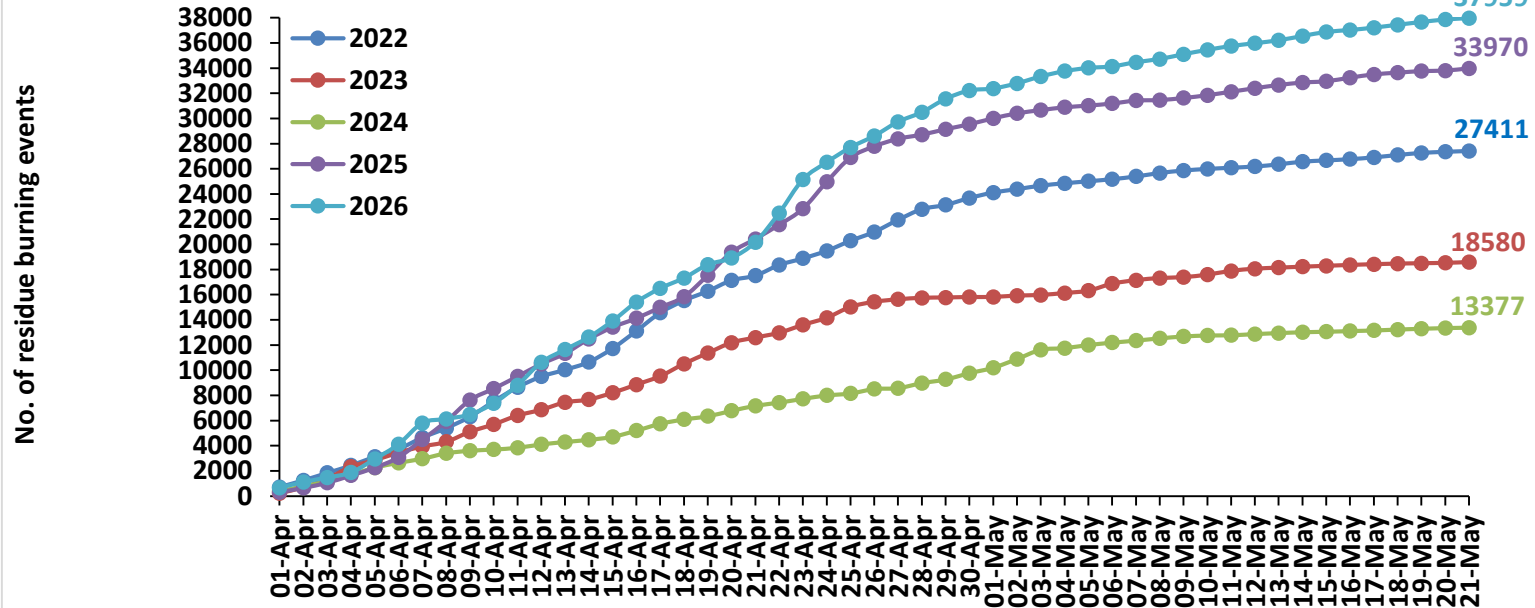
Comparison of residue burning events in current year (2026) with previous year (2022,2023,2024 and 2025) for the study States



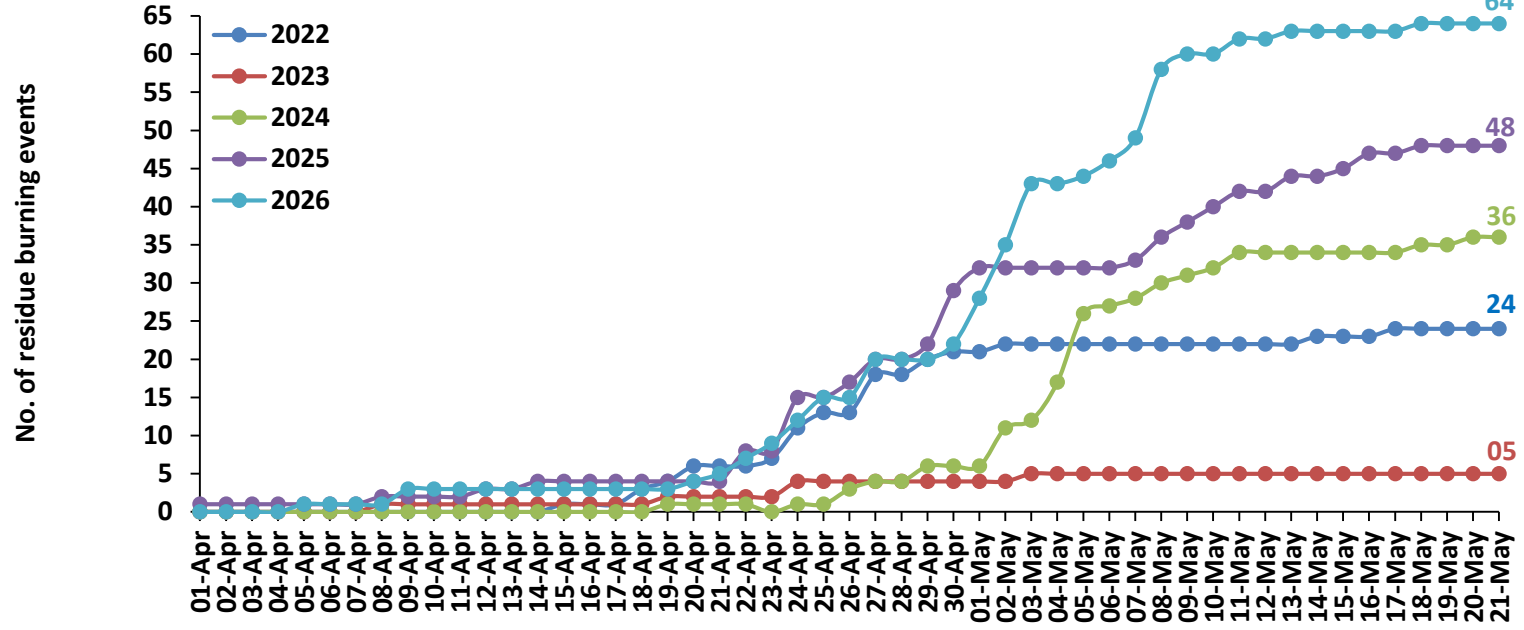
Uttar Pradesh Cumulative



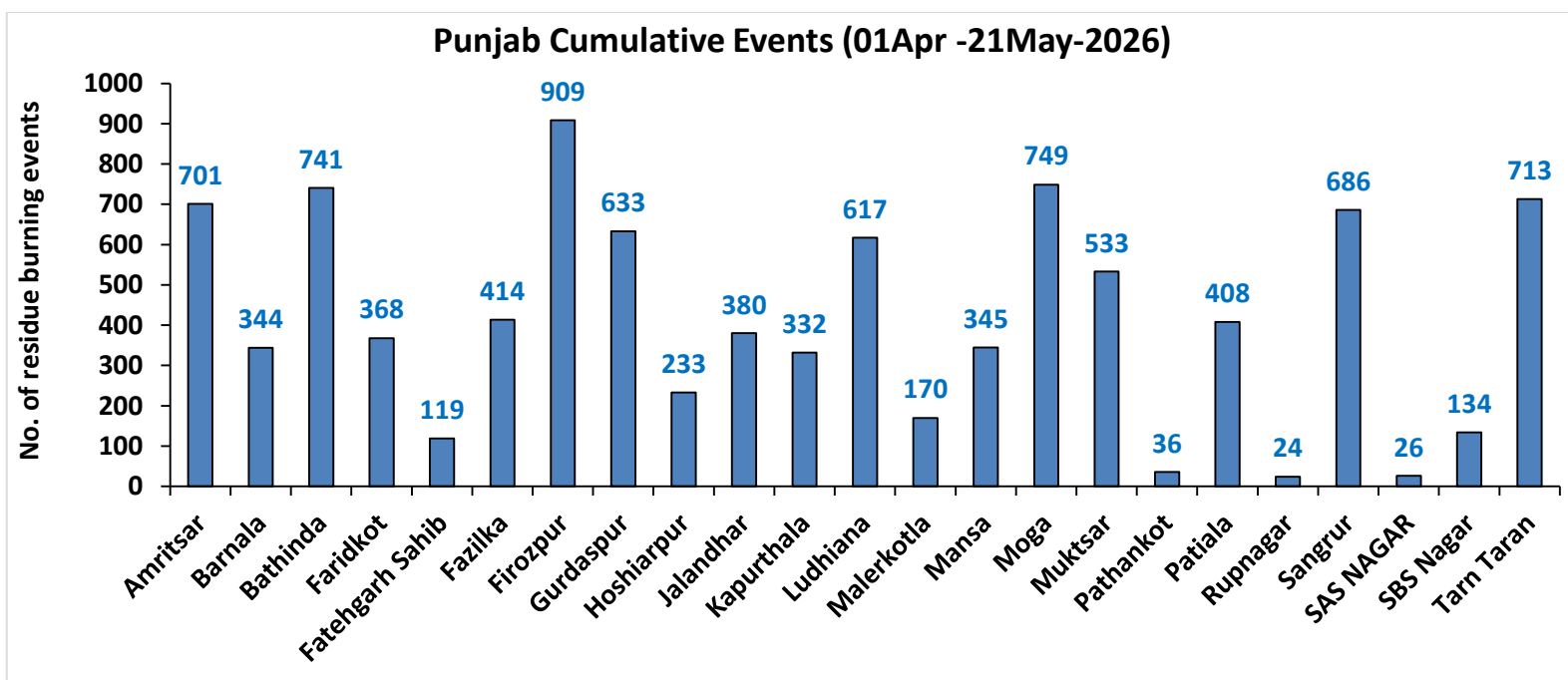
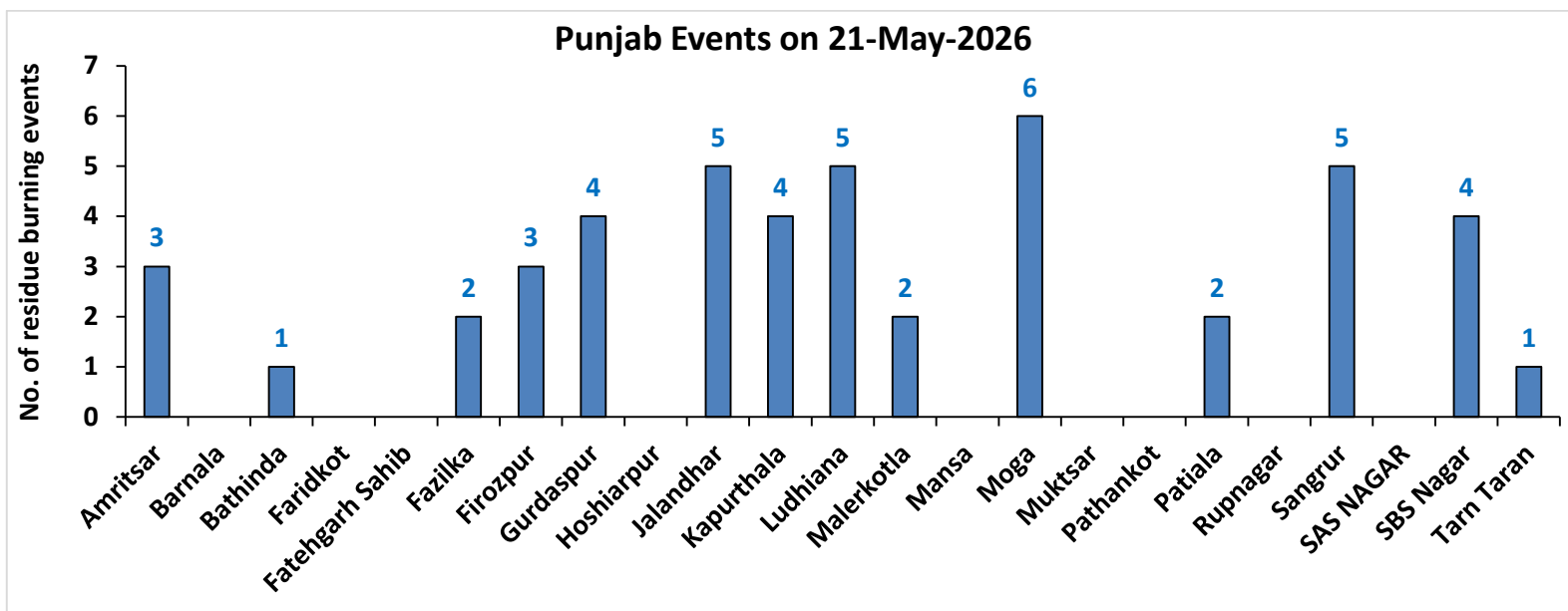
Madhya Pradesh Cumulative



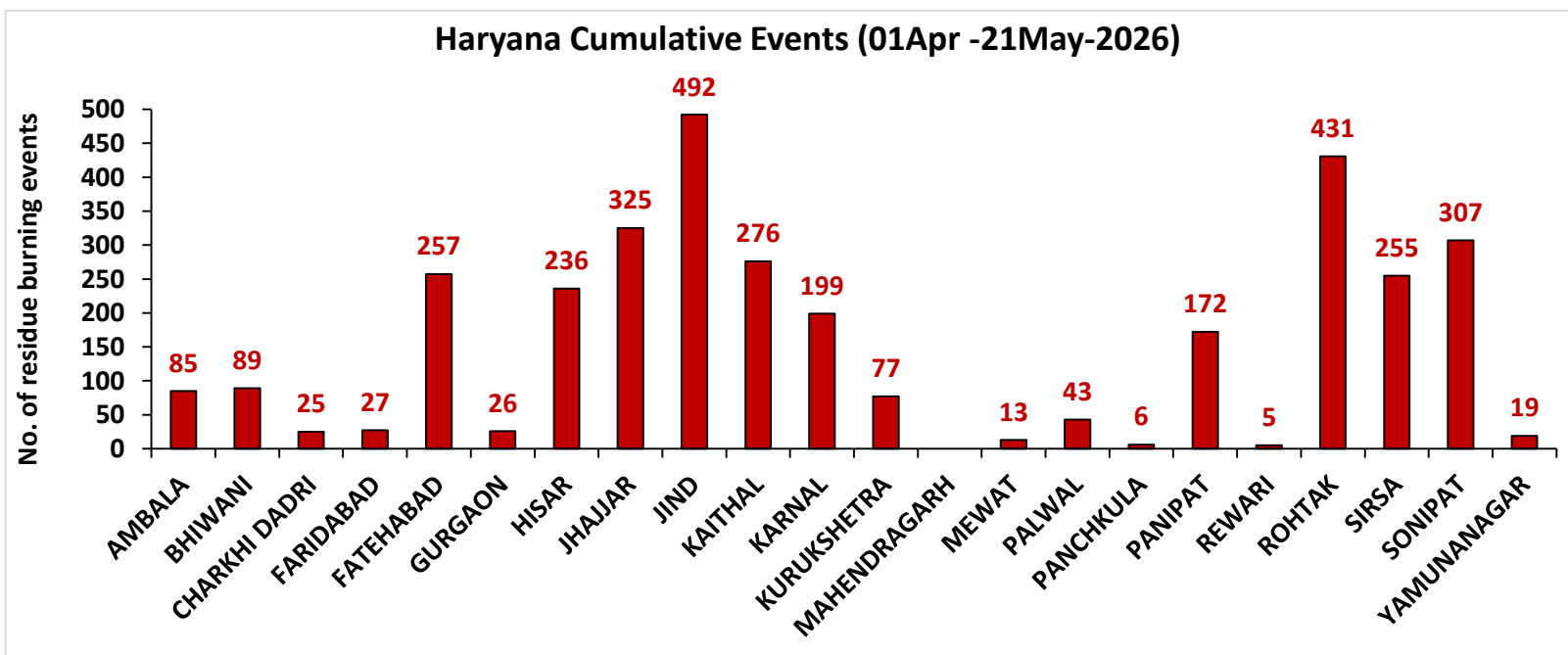
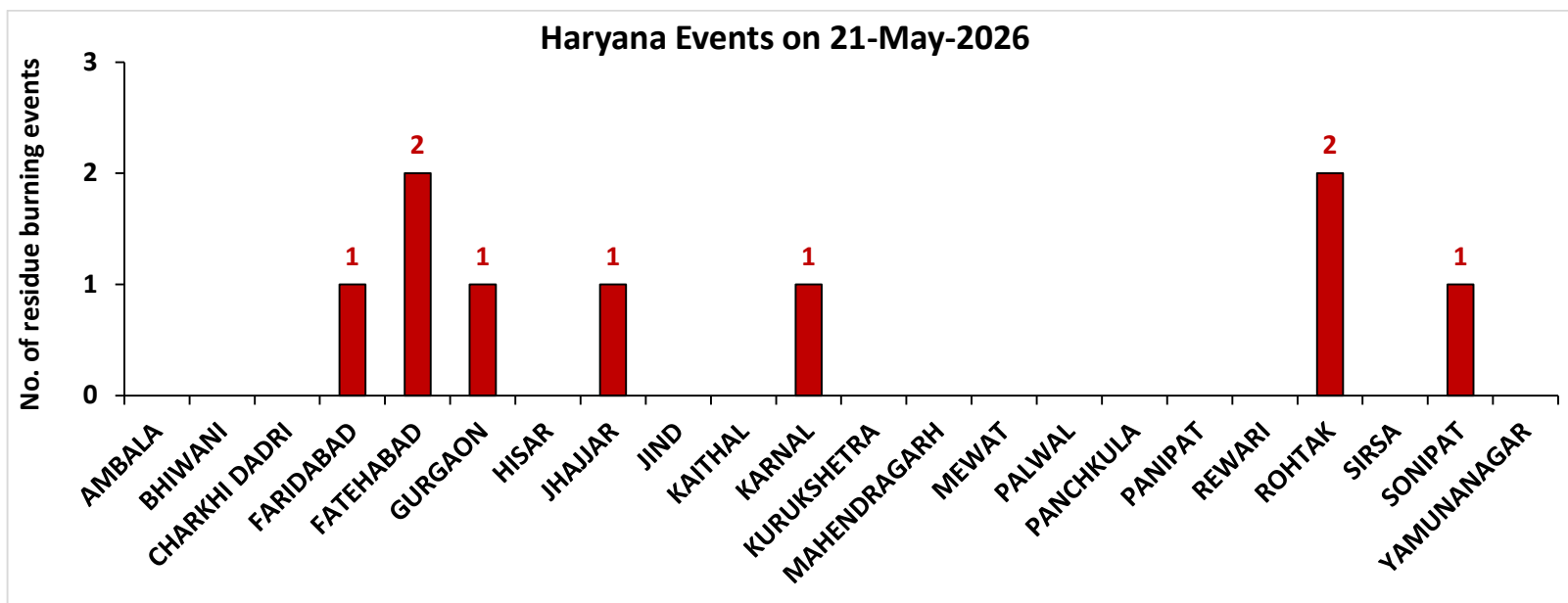
Delhi Cumulative



District-wise cumulative number of residues burning events in Punjab (01Apr-21May-2026)

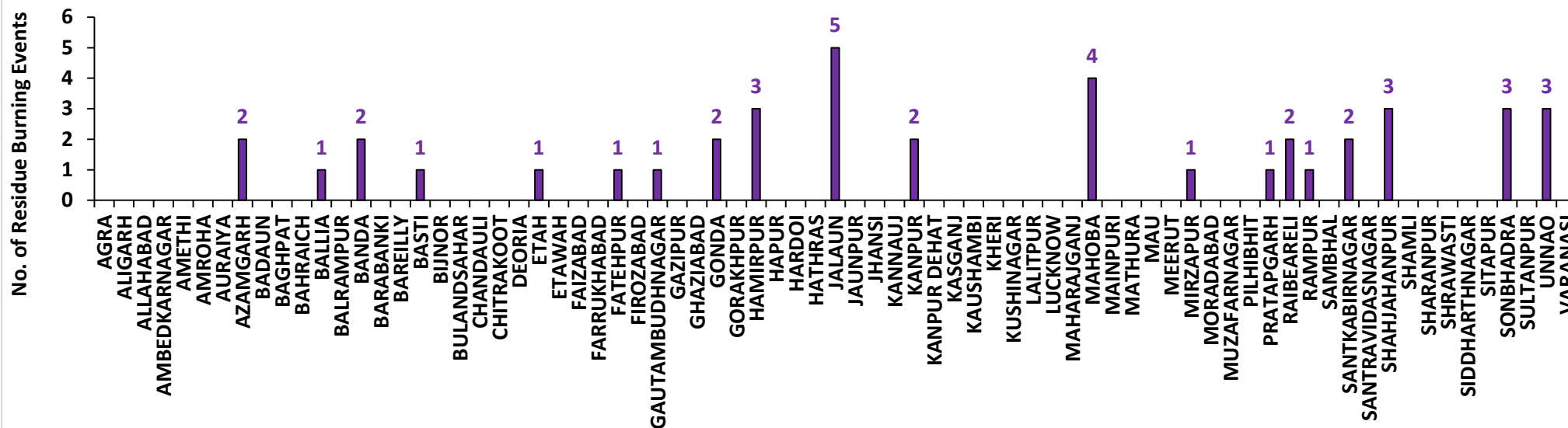


District-wise cumulative number of residues burning events in Haryana (01Apr-21May-2026)

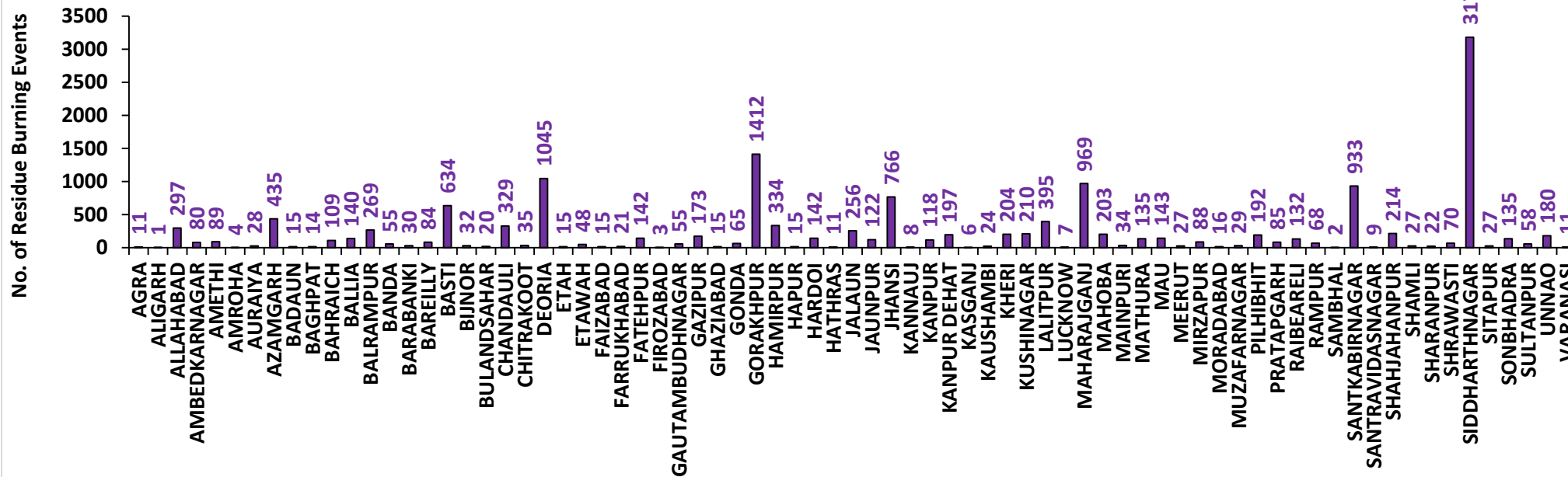


District-wise cumulative number of residues burning events in Uttar Pradesh (01Apr-21May-2026)

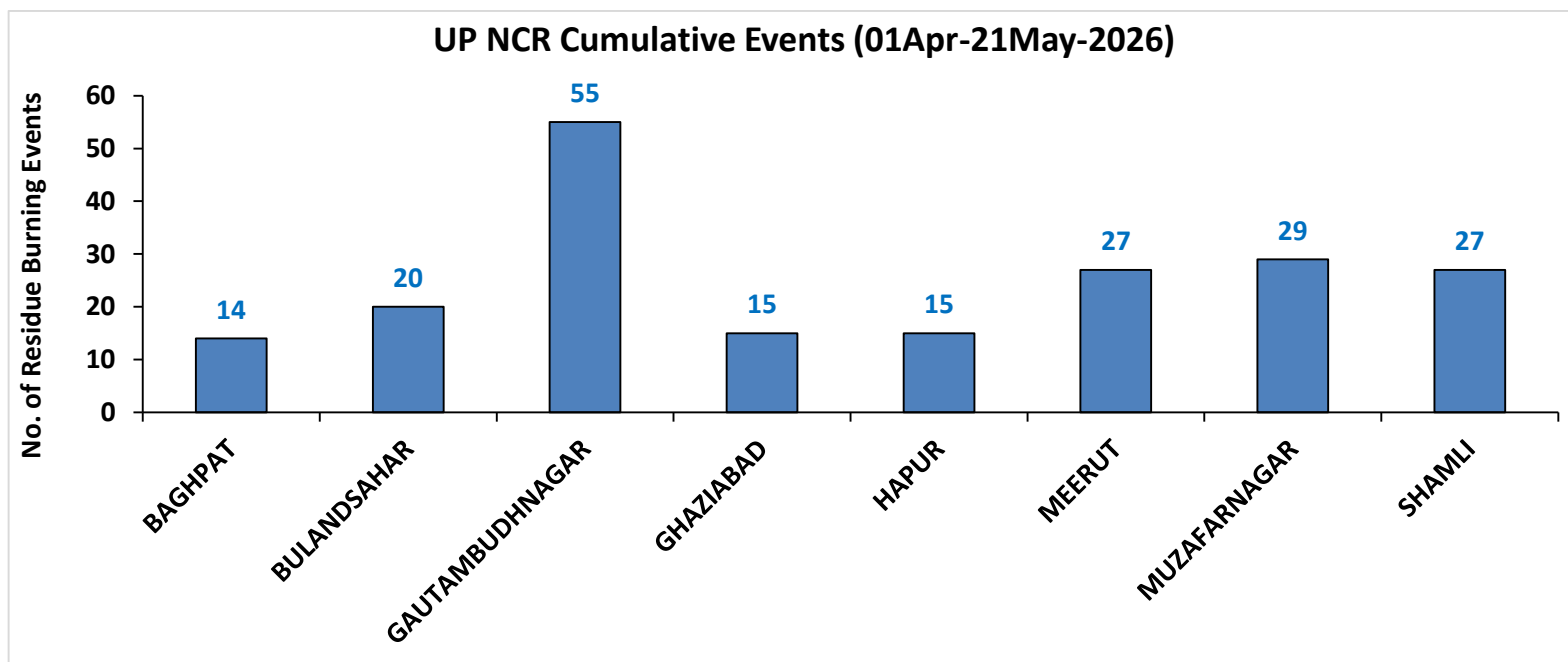
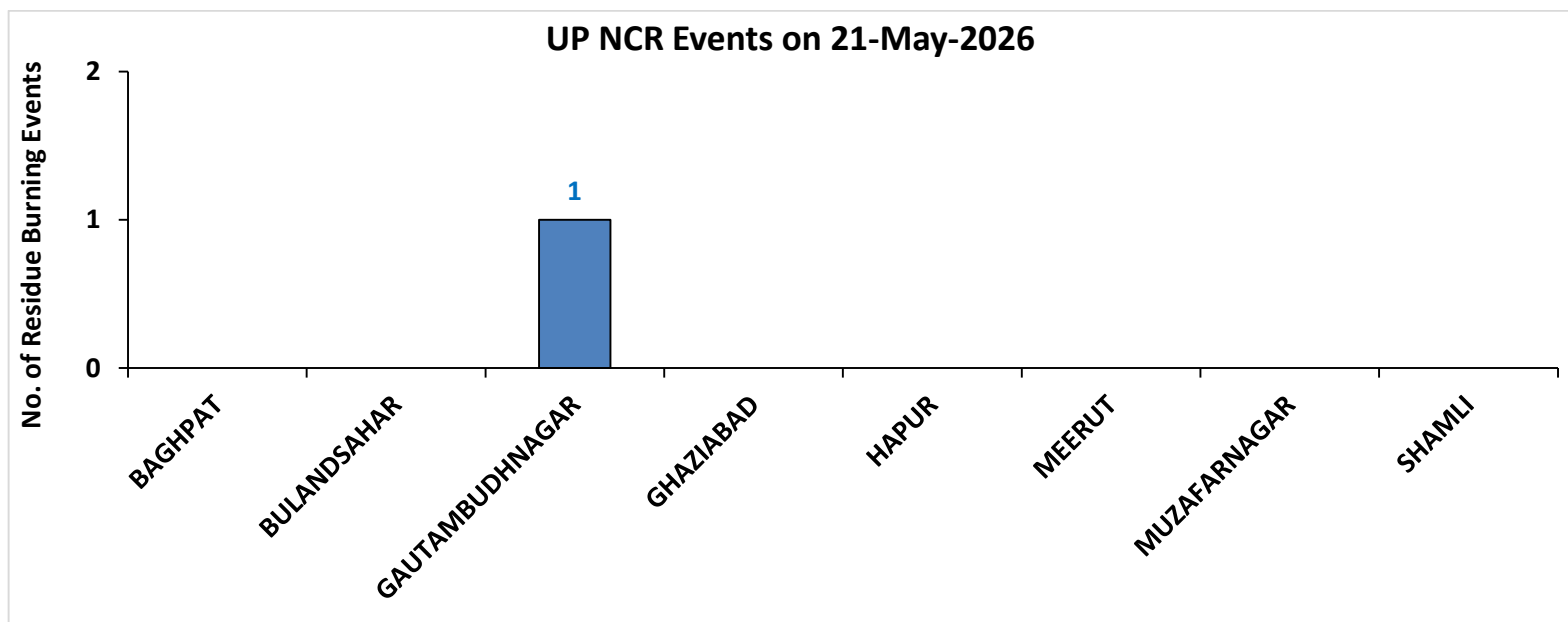
Uttar Pradesh Events on 21-May-2026



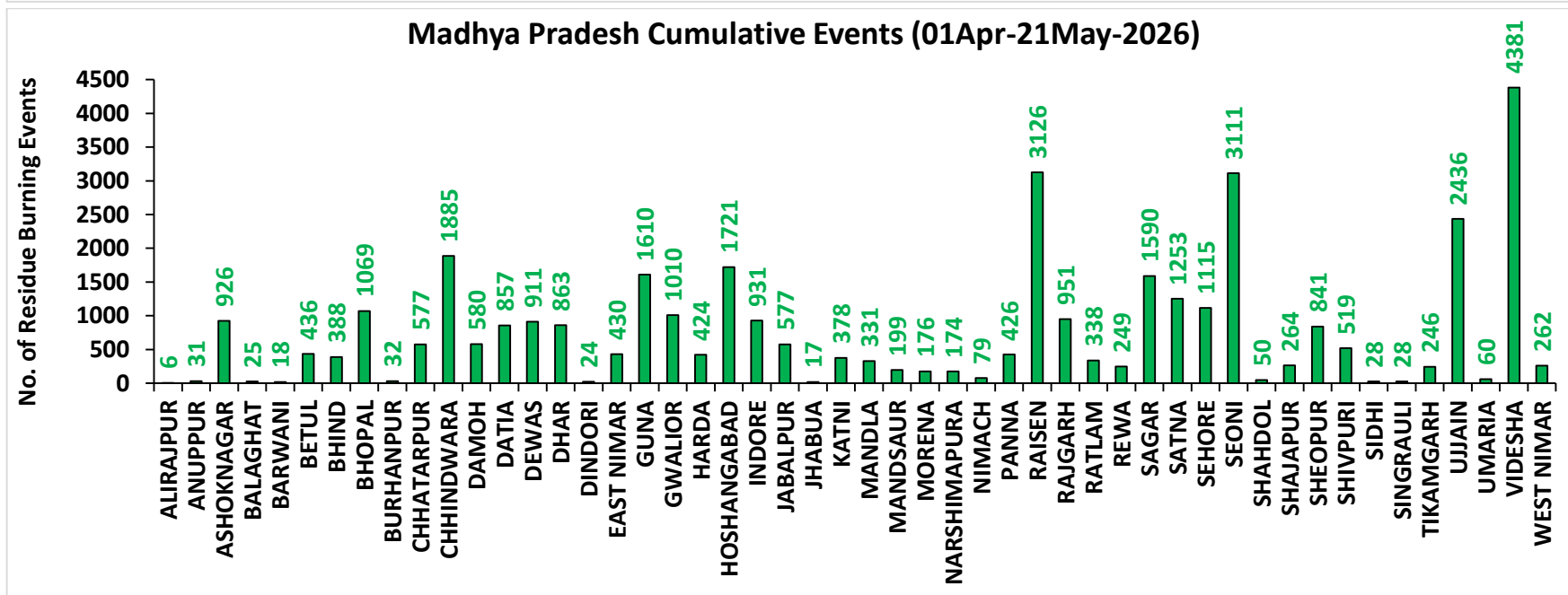
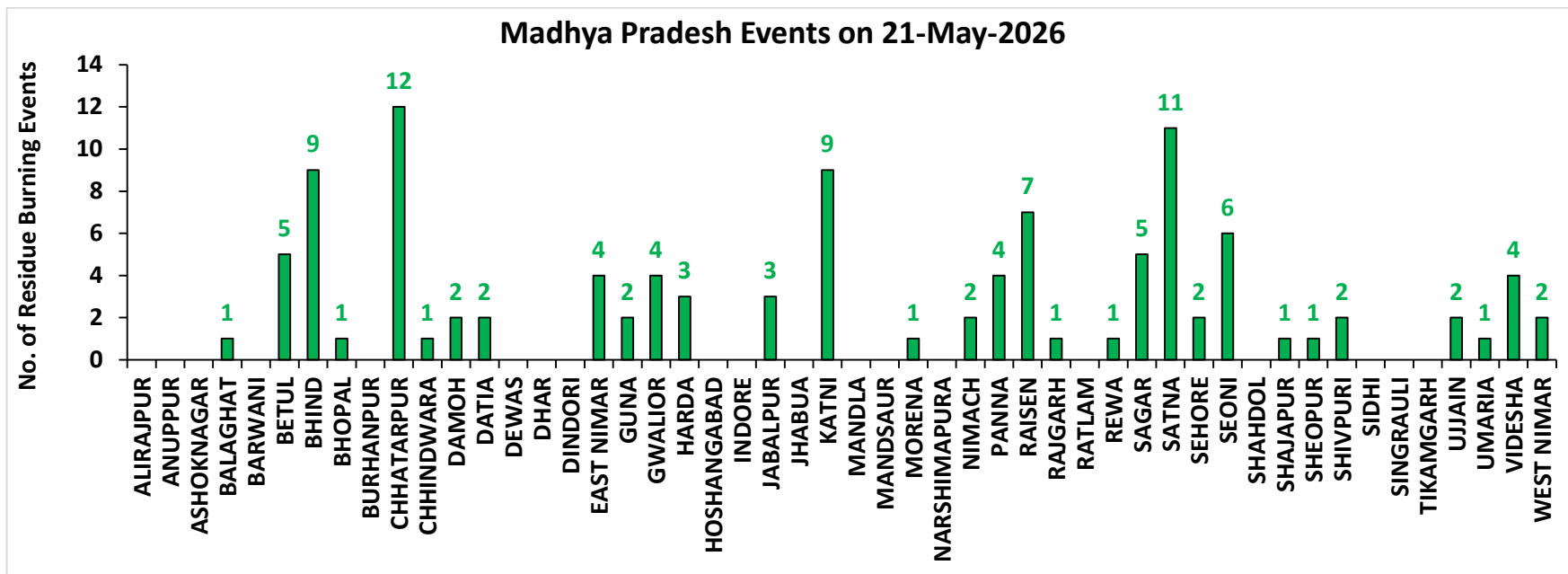
Uttar Pradesh Cumulative Events (01Apr-21May-2026)



District-wise cumulative number of residues burning events in UP NCR (01Apr-21May-2026)



District-wise cumulative number of residues burning events in Madhya Pradesh (01Apr-21May-2026)



District-wise cumulative number of wheat residue burning events detected in 2022, 2023,2024,2025 and 2026
(Period: 01 April-21 May)

(a) Punjab

District	01 Apr-21 May				
	2022	2023	2024	2025	2026
Amritsar	1234	859	974	1075	701
Barnala	472	540	318	327	344
Bathinda	829	583	621	631	741
Faridkot	524	460	306	258	368
Fatehgarh Sahib	72	134	153	126	119
Fazilka	526	383	436	341	414
Firozpur	1422	893	891	712	909
Gurdaspur	1122	944	1298	844	633
Hoshiarpur	479	402	479	305	233
Jalandhar	822	559	373	397	380
Kapurthala	724	484	463	516	332
Ludhiana	944	857	754	586	617
Malerkotla	412	331	124	131	170
Mansa	1096	1008	307	256	345
Moga	725	587	739	833	749
Muksar	166	91	484	381	533
Pathankot	457	423	132	73	36
Patiala	74	32	484	414	408
Rupnagar	1011	811	56	26	24
Sangrur	27	11	561	618	686
SAS NAGAR (Mohali)	217	160	58	28	26
SBS Nagar	1066	574	199	172	134
Tarn Taran	0	0	955	678	713
Total	14421	11126	11165	9728	9615

(b) Haryana

District	01 Apr-21 May				
	2022	2023	2024	2025	2026
AMBALA	92	83	142	84	85
BHIWANI	76	23	94	36	89
CHARKHI DADRI	10	7	41	35	25
FARIDABAD	17	16	14	6	27
FATEHABAD	274	268	233	216	257
GURGAON	7	9	10	0	26
HISAR	151	113	133	67	236
JHAJJAR	122	66	266	148	325
JIND	346	156	317	172	492
KAITHAL	306	190	269	170	276
KARNAL	382	227	393	157	199
KURUKSHETRA	142	57	169	65	77
MAHENDRAGARH	0	0	0	0	0
MEWAT	1	8	3	0	13
PALWAL	33	28	30	13	43
PANCHKULA	3	2	7	0	6
PANIPAT	220	110	154	81	172
REWARI	3	3	1	0	5
ROHTAK	211	94	330	139	431
SIRSA	186	260	180	140	255
SONIPAT	275	133	271	207	307
YAMUNANAGAR	22	40	39	36	19
Total	2879	1893	3096	1772	3365

(c) Uttar Pradesh

District	01 Apr-21 May																	
	2022	2023	2024	2025	2026	GAUTAMBUDHNAGAR	29	24	30	52	55	MUZAFARNAGAR	55	33	45	80	29	
AGRA	2	0	2	9	11	GAZIPUR	104	48	150	154	173	PILHIBHIT	326	64	266	493	192	
ALIGARH	19	33	40	84	1	GHAZIABAD	13	10	31	43	15	PRATAPGARH	24	15	48	36	85	
ALLAHABAD	110	39	176	208	297	GONDA	21	29	47	82	65	RAIBARELI	100	17	109	150	132	
AMBEDKARNAGAR	11	13	36	67	80	GORAKHPUR	973	368	694	880	1412	RAMPUR	117	32	128	169	68	
AMETHI	0	0	0	0	89	HAMIRPUR	18	41	75	312	334	SAMBHAL	0	0	0	0	2	
AMROHA	9	5	6	12	4	HAPUR	0	0	0	0	15	SANTKABIRNAGAR	691	430	812	516	933	
AURAIYA	104	14	42	65	28	HARDOI	115	80	118	301	142	SANTRAVIDASNAGAR	1	2	5	2	9	
AZAMGARH	88	76	273	195	435	HATHRAS	0	1	0	7	11	SHAHJAHANPUR	347	100	223	481	214	
BADAUN	9	8	23	52	15	JALAUN	26	19	169	316	256	SHAMLI	0	0	0	0	27	
BAGHPAT	7	3	12	22	14	JAUNPUR	22	6	83	53	122	SHARANPUR	32	21	18	49	22	
BAHRAICH	109	45	116	205	109	JHANSI	108	141	462	635	766	SHRAWASTI	86	43	145	132	70	
BALLIA	150	205	394	230	140	KANNAUJ	0	1	3	9	8	SIDDHARTHANAGAR	2539	1852	3267	2354	3179	
BALRAMPUR	243	97	299	219	269	KANPUR	13	4	37	78	118	SITAPUR	23	25	41	88	27	
BANDA	10	4	18	40	55	KANPUR DEHAT	32	22	46	117	197	SONBHADRA	126	40	25	39	135	
BARABANKI	9	3	33	58	30	KASGANJ	0	0	0	0	6	SULTANPUR	60	30	96	75	58	
BAREILLY	114	22	117	198	84	KAUSHAMBI	8	6	8	26	24	UNNAO	69	18	128	169	180	
BASTI	428	226	577	342	634	KHERI	163	77	172	316	204	VARANASI	1	0	2	3	11	
BIJNOR	54	28	20	82	32	KUSHINAGAR	224	95	358	251	210	Total	10856	6357	13824	14152	15523	
BULANDSAHAR	8	11	6	22	20	LALITPUR	66	68	202	623	395							
CHANDAULI	292	62	339	197	329	LUCKNOW	13	0	13	28	7							
CHITRAKOOT	24	3	11	20	35	MAHARAJGANJ	1495	977	1744	1034	969							
DEORIA	732	440	984	873	1045	MAHOBA	6	44	55	168	203							
ETAH	2	6	8	52	15	MAINPURI	6	7	19	72	34							
ETAWAH	3	5	20	51	48	MATHURA	24	53	67	134	135							
FAIZABAD	6	12	22	17	15	MAU	86	64	155	99	143							
FARRUKHABAD	3	2	7	26	21	MEERUT	20	26	39	37	27							
FATEHPUR	47	33	82	92	142	MIRZAPUR	72	15	16	38	88							
FIROZABAD	1	0	2	1	3	MORADABAD	8	14	8	12	16							

(d) Uttar Pradesh NCR

District	01 Apr-21 May				
	2022	2023	2024	2025	2026
BAGHPAT	7	3	12	22	14
BULANSAHAR	8	11	6	22	20
GAUTAMBUDHNAGAR	29	24	30	52	55
GHAZIABAD	13	10	31	43	15
HAPUR	0	0	0	0	15
MEERUT	20	26	39	37	27
MUZAFARNAGAR	55	33	45	80	29
SHAMLI	0	0	0	0	27
Total	132	107	163	256	202

(e) Delhi

District	01 Apr-21 May				
	2022	2023	2024	2025	2026
CENTRAL	0	0	0	1	0
EAST	0	0	0	0	0
NEW DELHI	0	0	0	0	0
NORTH	19	2	19	27	34
NORTH EAST	1	0	0	0	0
NORTH WEST DELHI	1	0	3	9	9
SHAHADRA	0	0	0	0	0
SOUTH	1	0	0	0	0
SOUTH EAST	0	0	0	0	0
SOUTH WEST DELHI	1	2	14	9	19
WEST DELHI	1	1	0	2	2
Total	24	5	36	48	64

(f) Madhya Pradesh

District	01 Apr-21 May										
	2022	2023	2024	2025	2026	PANNA	177	73	190	329	426
ALIRAJPUR	0	0	2	3	6	RAISEN	2637	1670	1326	2483	3126
ANUPPUR	35	2	6	28	31	RAJGARH	158	180	49	524	951
ASHOKNAGAR	645	231	355	1549	926	RATLAM	198	292	78	333	338
BALAGHAT	28	1	3	13	25	REWA	189	66	150	178	249
BARWANI	7	7	4	8	18	SAGAR	772	579	415	1482	1590
BETUL	203	60	66	175	436	SATNA	1009	242	621	870	1253
BHIND	73	57	111	313	388	SEHORE	947	654	331	845	1115
BHOPAL	966	493	259	1116	1069	SEONI	1529	814	872	1493	3111
BURHANPUR	12	4	3	14	32	SHAHNOL	111	8	24	62	50
CHHATARPUR	164	161	325	641	577	SHAJAPUR	407	548	221	1064	264
CHHINDWARA	522	267	269	737	1885	SHEOPUR	377	450	509	1056	841
DAMOH	219	255	208	738	580	SHIVPURI	197	121	169	752	519
DATIA	388	287	563	755	857	SIDHI	32	3	8	22	28
DEWAS	575	567	104	844	911	SINGRAULI	123	3	8	61	28
DHAR	1009	880	179	1014	863	TIKAMGARH	39	84	106	243	246
DINDORI	45	5	8	49	24	UJJAIN	1242	1788	524	2208	2436
EAST NIMAR	83	108	35	225	430	UMARIA	62	13	22	58	60
GUNA	760	393	320	1905	1610	VIDESHA	3738	1745	1178	4457	4381
GWALIOR	618	397	660	705	1010	WEST NIMAR	40	66	38	187	262
HARDA	397	275	81	209	424	Total	27411	18580	13377	33970	37959
HOSHANGABAD	4065	2757	1586	1590	1721						
INDORE	971	1010	396	1335	931						
JABALPUR	887	484	496	401	577						
JHABUA	2	6	2	10	17						
KATNI	307	138	218	262	378						
MANDLA	182	45	109	174	331						
MANDSAUR	67	112	20	152	199						
MORENA	47	37	41	98	176						
NARSHIMAPURA	129	100	98	128	174						
NIMACH	21	42	11	72	79						

State-wise and date-wise number of wheat residue burning events detected in 2022, 2023,2024,2025 and 2026
(Period: 01 April-21 May)

Date	Punjab					Haryana					UP					Delhi					MP				
	2022	2023	2024	2025	2026	2022	2023	2024	2025	2026	2022	2023	2024	2025	2026	2022	2023	2024	2025	2026	2022	2023	2024	2025	2026
01-Apr	6	0	9	1	0	2	1	1	0	1	10	0	19	43	14	0	0	0	1	0	715	231	388	306	660
02-Apr	1	0	6	1	0	1	0	3	0	1	22	15	12	20	28	0	0	0	0	0	531	462	394	345	450
03-Apr	3	0	5	1	0	2	0	0	0	2	21	9	12	38	14	0	0	0	0	0	589	682	392	399	362
04-Apr	2	0	6	2	0	2	1	2	0	0	29	10	18	167	9	0	0	0	0	0	589	956	532	583	397
05-Apr	2	2	2	1	0	4	1	1	1	0	21	41	16	443	29	0	0	0	0	1	698	511	548	614	1068
06-Apr	0	4	7	2	1	1	1	1	1	0	16	47	11	288	44	0	0	0	0	0	612	611	390	826	1174
07-Apr	0	6	3	1	0	0	2	4	0	0	46	30	35	393	185	0	0	0	0	0	908	484	321	1408	1687
08-Apr	1	4	4	0	0	2	3	2	1	0	37	100	23	357	7	0	1	0	1	0	749	365	432	1437	327
09-Apr	0	5	3	0	0	0	5	1	1	1	16	98	13	469	57	0	0	0	0	2	907	801	204	1699	356
10-Apr	4	5	0	1	0	3	4	2	0	2	24	295	46	89	334	0	0	0	0	0	1217	592	97	912	886
11-Apr	2	1	0	1	2	2	1	7	1	5	78	439	37	32	597	0	0	0	0	0	1129	698	140	967	1434
12-Apr	0	2	0	0	0	0	0	0	0	2	67	262	52	51	1042	0	0	0	1	0	847	459	265	994	1814
13-Apr	3	2	0	0	0	3	3	0	0	2	70	473	369	43	1353	0	0	0	0	0	537	586	193	833	1013
14-Apr	7	5	0	0	0	9	7	0	2	2	193	201	195	113	988	0	0	0	1	0	618	227	172	1155	989
15-Apr	1	0	0	2	1	7	19	0	16	1	579	141	302	315	690	1	0	0	0	0	1079	536	235	933	1290
16-Apr	13	1	1	0	2	14	10	10	4	2	609	473	378	496	602	0	0	0	0	0	1390	651	493	707	1497
17-Apr	10	3	0	1	2	12	10	2	20	3	751	594	596	107	327	0	0	0	0	0	1441	665	545	866	1091
18-Apr	12	1	1	0	2	17	12	5	0	3	611	370	1564	143	483	2	0	0	0	0	972	985	345	846	823
19-Apr	29	6	0	32	4	23	3	1	19	9	231	456	988	144	744	1	1	1	0	0	748	850	250	1704	1058
20-Apr	56	1	1	26	16	14	8	0	10	7	395	368	652	237	373	2	0	0	0	1	856	830	437	1821	536
21-Apr	4	3	5	15	14	0	8	3	11	22	202	174	369	506	969	0	0	0	0	1	379	404	394	1067	1252
22-Apr	77	9	5	1	44	17	9	5	13	43	398	192	216	340	1063	0	0	0	4	2	839	379	254	1122	2311
23-Apr	35	3	4	2	29	22	3	10	23	67	519	170	528	1131	652	1	0	0	0	2	524	626	300	1274	2669
24-Apr	360	19	8	40	34	96	22	11	24	46	2515	56	663	930	779	4	2	0	7	3	605	567	271	2135	1363
25-Apr	82	39	3	87	46	65	32	5	106	144	450	153	429	677	472	2	0	0	0	3	796	859	157	1930	1182
26-Apr	354	22	11	20	72	122	16	17	47	18	277	77	407	733	393	0	0	2	2	0	706	409	350	892	916
27-Apr	1064	28	22	138	225	436	69	13	51	345	436	158	168	465	409	5	0	1	3	5	955	195	74	604	1119
28-Apr	965	12	10	69	135	453	9	31	48	223	249	67	455	275	201	0	0	0	0	0	849	122	397	326	762
29-Apr	802	20	5	165	447	345	1	33	113	376	213	43	492	233	229	2	0	2	2	0	340	24	290	434	1060
30-Apr	662	52	25	191	342	359	6	7	96	238	166	4	579	307	221	1	0	0	7	2	547	38	500	392	665

01-May	848	3	119	232	341	59	0	119	70	144	126	32	430	309	70	0	0	0	3	6	437	8	429	470	158
02-May	1887	31	172	12	644	159	38	240	3	476	132	13	699	243	123	1	0	5	0	7	265	107	693	395	410
03-May	979	24	11	8	417	77	12	58	0	344	141	26	633	506	206	0	1	1	0	8	283	51	734	259	550
04-May	1247	343	128	385	447	72	94	211	101	49	147	25	416	257	51	0	0	5	0	0	188	151	133	224	420
05-May	796	892	168	48	423	65	368	352	7	79	64	45	334	141	43	0	0	9	0	1	159	186	247	136	256
06-May	202	1221	133	213	39	2	224	123	36	26	107	113	183	148	143	0	0	1	0	2	166	555	189	165	118
07-May	827	502	785	540	978	108	194	435	125	91	52	89	163	219	34	0	0	1	1	3	215	279	160	233	336
08-May	1065	604	954	140	1447	110	133	268	83	220	130	66	110	269	95	0	0	2	3	9	275	171	180	44	254
09-May	357	331	584	180	932	27	34	147	22	103	103	34	159	139	251	0	0	1	2	2	199	71	149	159	379
10-May	437	1019	966	806	841	34	124	298	65	95	113	42	146	314	225	0	0	1	2	0	123	197	79	223	348
11-May	67	1554	22	1410	294	6	186	16	161	55	101	63	85	373	217	0	0	2	2	2	99	299	19	276	302
12-May	289	752	849	654	74	29	63	212	104	5	17	56	29	406	69	0	0	0	0	0	94	174	93	278	225
13-May	253	1113	1771	816	424	29	47	137	108	27	60	57	98	231	97	0	0	0	2	1	173	83	79	256	235
14-May	306	98	1024	230	267	35	16	115	10	11	63	51	249	226	94	1	0	0	0	0	214	76	69	198	335
15-May	49	507	529	765	57	6	27	30	66	22	38	15	97	99	106	0	0	0	1	0	99	69	38	101	325
16-May	16	818	143	1197	283	3	21	9	76	26	49	27	103	183	79	0	0	0	2	0	98	70	53	283	155
17-May	55	453	683	498	11	0	23	19	60	0	37	13	29	144	80	1	0	0	0	0	143	59	49	262	188
18-May	85	130	1144	332	115	3	9	77	37	11	34	29	65	128	46	0	0	1	1	1	187	46	72	135	227
19-May	42	132	597	22	79	15	8	34	3	6	46	15	55	144	55	0	0	0	0	0	167	32	63	127	220
20-May	22	160	107	274	37	3	2	11	11	1	24	15	54	22	90	0	0	1	0	0	86	28	54	41	196
21-May	35	184	130	166	47	4	4	8	16	9	21	15	43	66	41	0	0	0	0	0	69	63	35	174	111
Total	14421	11126	11165	9728	9615	2879	1893	3096	1772	3365	10856	6357	13824	14152	15523	24	5	36	48	64	27411	18580	13377	33970	37959

Details of wheat residue burning events in Punjab on 21-May-2026

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m ²)
1	AMRITSAR	AJNALA	S-NPP	31.94953	74.80264	13:50:51	D	7.00
2	AMRITSAR	AJNALA	S-NPP	31.95306	74.80201	13:50:51	D	7.00
3	AMRITSAR	AJNALA	S-NPP	31.95366	74.80666	13:50:51	D	7.00
4	BATHINDA	BHAGTA BHAI KA	S-NPP	30.47249	75.06575	13:50:51	D	13.30
5	FAZILKA	ARNIWALA SHEIKH SUBANPUR	AQUA	30.32700	74.27400	15:42:04	D	9.60
6	FAZILKA	JALALABAD	S-NPP	30.59664	74.17422	13:50:51	D	14.40
7	FIROZPUR	FIROZPUR	S-NPP	31.11930	74.76746	13:50:51	D	7.80
8	FIROZPUR	FIROZPUR	S-NPP	31.12279	74.76684	13:50:51	D	7.80
9	FIROZPUR	GURUHAR SAHAI	S-NPP	30.71235	74.22862	13:50:51	D	10.60
10	GURDASPUR	DHARIWAL	S-NPP	31.87694	75.30752	13:50:51	D	3.60
11	GURDASPUR	DHARIWAL	S-NPP	31.87811	75.25790	13:50:51	D	6.90
12	GURDASPUR	KALANAUR	AQUA	32.02800	75.16300	15:42:04	D	8.00
13	GURDASPUR	SRI HARGOBINDPUR	S-NPP	31.72849	75.36855	13:50:51	D	11.20
14	JALANDHAR	LOHIAN	AQUA	31.09400	75.23300	15:42:04	D	11.40
15	JALANDHAR	MEHATPUR	S-NPP	31.03298	75.43533	13:50:51	D	14.60
16	JALANDHAR	NAKODAR	S-NPP	31.08036	75.49084	13:50:51	D	9.30
17	JALANDHAR	NAKODAR	S-NPP	31.18344	75.54407	13:50:51	D	8.20
18	JALANDHAR	PHILLAUR	AQUA	31.16100	75.87000	15:42:04	D	45.70
19	KAPURTHALA	DHILWAN	S-NPP	31.42806	75.30222	13:50:51	D	6.10
20	KAPURTHALA	PHAGWARA	S-NPP	31.32767	75.74749	13:50:51	D	10.10
21	KAPURTHALA	PHAGWARA	S-NPP	31.33763	75.88868	13:50:51	D	11.50
22	KAPURTHALA	SULTANPUR LODHI	S-NPP	31.34017	75.17016	13:50:51	D	12.90
23	LUDHIANA	JAGRAON	S-NPP	30.74893	75.56954	13:50:51	D	3.50
24	LUDHIANA	JAGRAON	S-NPP	30.81934	75.56458	13:50:51	D	8.40
25	LUDHIANA	RAIKOT	S-NPP	30.61121	75.50365	13:50:51	D	27.10
26	LUDHIANA	RAIKOT	S-NPP	30.62377	75.63291	13:50:51	D	8.80
27	LUDHIANA	RAIKOT	AQUA	30.61200	75.61200	15:42:04	D	10.70
28	MALERKOTLA	AMARGARH	AQUA	30.43100	75.99400	15:42:04	D	11.70
29	MALERKOTLA	MALERKOTLA	S-NPP	30.56557	75.97269	13:50:51	D	5.90
30	MOGA	KOT ISE KHAN AT DHARAMKOT	S-NPP	30.86409	75.20033	13:50:51	D	4.20
31	MOGA	KOT ISE KHAN AT DHARAMKOT	S-NPP	30.88605	75.15508	13:50:51	D	2.60
32	MOGA	KOT ISE KHAN AT DHARAMKOT	S-NPP	30.88902	75.23533	13:50:51	D	7.90

33	MOGA	KOT ISE KHAN AT DHARAMKOT	S-NPP	30.94052	75.21221	13:50:51	D	9.20
34	MOGA	MOGA 2	S-NPP	30.74186	75.12222	13:50:51	D	26.00
35	MOGA	MOGA 2	S-NPP	30.74201	75.12058	13:50:51	D	26.30
36	PATIALA	BHUNARHERI	S-NPP	30.23878	76.44284	13:50:51	D	16.90
37	PATIALA	SAMANA	S-NPP	30.00039	76.19269	13:50:51	D	18.50
38	SANGRUR	SANGRUR	S-NPP	30.17946	75.69962	02:40:09	N	3.70
39	SANGRUR	SANGRUR	S-NPP	30.18039	75.69469	02:40:09	N	3.70
40	SANGRUR	SANGRUR	S-NPP	30.18309	75.70053	02:40:09	N	12.90
41	SANGRUR	SHER PUR	S-NPP	30.38092	75.76998	13:50:51	D	1.70
42	SANGRUR	SHER PUR	S-NPP	30.39213	75.70642	13:50:51	D	1.80
43	SBS NAGAR	AUR	S-NPP	31.09024	75.99152	13:50:51	D	13.90
44	SBS NAGAR	AUR	S-NPP	31.09393	75.99091	13:50:51	D	4.90
45	SBS NAGAR	AUR	S-NPP	31.09762	75.99031	13:50:51	D	4.90
46	SBS NAGAR	AUR	AQUA	31.03700	76.02000	15:42:04	D	17.90
47	TARN TARAN	CHOHLA SAHIB	S-NPP	31.26772	75.04732	13:50:51	D	8.80

Details of wheat residue burning events in Haryana on 21-May-2026

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m ²)
1	FARIDABAD	FARIDABAD	S-NPP	28.33642	77.22291	02:40:09	N	1.40
2	FATEHABAD	KULAN	S-NPP	29.71174	75.93247	13:50:51	D	3.70
3	FATEHABAD	RATIA	S-NPP	29.62955	75.51533	13:50:51	D	3.80
4	GURGAON	SOHNA	S-NPP	28.27245	77.20779	02:40:09	N	0.70
5	JHAJJAR	BAHADURGARH	S-NPP	28.77643	76.94527	02:40:09	N	0.80
6	KARNAL	INDRI	S-NPP	29.93635	77.02406	13:50:51	D	21.30
7	ROHTAK	ROHTAK	S-NPP	29.03340	76.61566	13:50:51	D	8.70
8	ROHTAK	ROHTAK	S-NPP	29.03712	76.61508	13:50:51	D	11.10
9	SONIPAT	GOHANA	S-NPP	29.05006	76.69011	13:50:51	D	2.50

Details of wheat residue burning events in Uttar Pradesh on 21-May-2026

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m ²)
1	AZAMGARH	NIZAMABAD	S-NPP	25.92586	82.96885	13:52:00	D	3.42
2	AZAMGARH	NIZAMABAD	S-NPP	25.92649	82.97079	13:52:00	D	3.62
3	BALLIA	BALLIA	S-NPP	25.80000	84.36867	12:12:00	D	3.28
4	BANDA	BABERU	S-NPP	25.59207	80.57555	13:52:00	D	2.60
5	BANDA	BANDA	S-NPP	25.87441	80.37106	00:58:00	N	4.93
6	BASTI	HARRAIYA	S-NPP	26.67862	82.50871	13:52:00	D	5.47
7	ETAH	ETAH	S-NPP	27.52372	78.58313	13:54:00	D	5.40
8	FATEHPUR	BINKI	S-NPP	26.01171	80.27428	02:38:00	N	0.51
9	GAUTAMBUDHNAGAR	DADRI	S-NPP	28.64791	77.55921	02:38:00	N	0.75
10	GONDA	TARABGANJ	S-NPP	26.88522	81.89881	13:52:00	D	5.33
11	GONDA	TARABGANJ	S-NPP	26.88603	81.90286	13:52:00	D	9.61
12	HAMIRPUR	HAMIRPUR	S-NPP	25.83326	80.12105	02:38:00	N	1.32
13	HAMIRPUR	MAUDAHA	S-NPP	25.55391	80.16763	02:38:00	N	0.88
14	HAMIRPUR	MAUDAHA	S-NPP	25.55426	80.16900	02:38:00	N	0.83
15	JALAUN	KALPI	S-NPP	26.13950	79.68847	13:52:00	D	8.70
16	JALAUN	MADHOGARH	S-NPP	26.32483	79.15382	13:52:00	D	4.11
17	JALAUN	MADHOGARH	S-NPP	26.40129	79.18587	13:52:00	D	8.02
18	JALAUN	MADHOGARH	S-NPP	26.40418	79.18524	13:52:00	D	5.68
19	JALAUN	MADHOGARH	AQUA	26.39598	79.29254	15:43:00	D	19.54
20	KANPUR	KANPUR NAGAR	S-NPP	26.21572	80.53294	13:52:00	D	8.22
21	KANPUR	KANPUR NAGAR	S-NPP	26.22023	80.53239	13:52:00	D	8.22
22	MAHOBA	CHARKHARI	S-NPP	25.38980	79.81393	13:52:00	D	16.81
23	MAHOBA	CHARKHARI	S-NPP	25.43056	79.76585	13:52:00	D	10.53
24	MAHOBA	CHARKHARI	S-NPP	25.49332	79.73421	02:38:00	N	1.24
25	MAHOBA	CHARKHARI	S-NPP	25.49829	79.73561	02:38:00	N	1.15
26	MIRZAPUR	MARIHAN	S-NPP	24.91727	82.59435	13:52:00	D	22.44
27	PRATAPGARH	KUNDA	S-NPP	25.83267	81.57883	02:38:00	N	3.17
28	RAIBEARELI	SALON	S-NPP	26.01041	81.44311	13:52:00	D	5.65
29	RAIBEARELI	SALON	S-NPP	26.01063	81.44462	13:52:00	D	11.21
30	RAMPUR	BILASPUR	S-NPP	28.89758	79.21143	13:54:00	D	8.12
31	SANTKABIRNAGAR	Ghanghata	S-NPP	26.58648	83.03715	13:52:00	D	3.21
32	SANTKABIRNAGAR	Ghanghata	S-NPP	26.58678	83.04081	13:52:00	D	3.21

33	SHAHJAHANPUR	PUWANYA	S-NPP	27.98264	80.10788	13:54:00	D	6.30
34	SHAHJAHANPUR	SHAHJAHANPUR	S-NPP	27.86405	79.78415	13:54:00	D	9.80
35	SHAHJAHANPUR	SHAHJAHANPUR	S-NPP	27.86426	79.78578	13:54:00	D	14.22
36	SONBHADRA	GHARAWAL	S-NPP	24.72566	82.97147	13:52:00	D	4.28
37	SONBHADRA	GHARAWAL	S-NPP	24.80308	82.94328	13:52:00	D	13.16
38	SONBHADRA	GHARAWAL	S-NPP	24.80339	82.94664	13:52:00	D	14.22
39	UNNAO	BIGHAPUR	S-NPP	26.21330	80.64012	13:52:00	D	14.63
40	UNNAO	BIGHAPUR	S-NPP	26.21784	80.63958	13:52:00	D	6.93
41	UNNAO	PURWA	S-NPP	26.59371	80.78654	13:52:00	D	9.76

Details of wheat residue burning events in Madhya Pradesh on 21-May-2026

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m ²)
1	BALAGHAT	KIRNAPUR	S-NPP	21.56515	80.54683	13:52:00	D	5.12
2	BETUL	BETUL	S-NPP	22.08572	78.03352	13:52:00	D	10.97
3	BETUL	BHAINSDEHI	S-NPP	21.65018	77.99862	13:52:00	D	9.97
4	BETUL	BHAINSDEHI	S-NPP	21.65383	77.99809	13:52:00	D	9.97
5	BETUL	BHAINSDEHI	S-NPP	21.71725	77.25407	13:52:00	D	12.53
6	BETUL	BHAINSDEHI	AQUA	21.71413	77.25172	15:43:00	D	15.45
7	BHIND	BHIND	S-NPP	26.40974	79.07138	13:52:00	D	8.75
8	BHIND	BHIND	S-NPP	26.41386	79.07079	13:52:00	D	21.85
9	BHIND	BHIND	S-NPP	26.41752	79.06608	13:52:00	D	4.12
10	BHIND	BHIND	S-NPP	26.51344	79.00339	13:52:00	D	4.90
11	BHIND	LAHAR	S-NPP	26.16203	78.84248	13:52:00	D	7.93
12	BHIND	LAHAR	S-NPP	26.17104	78.84931	13:52:00	D	14.90
13	BHIND	MAHGAWAN	S-NPP	26.33207	78.77986	13:52:00	D	2.99
14	BHIND	MAJHGAWAN	S-NPP	26.22594	79.04113	13:52:00	D	5.41
15	BHIND	MAJHGAWAN	S-NPP	26.27316	79.08850	13:52:00	D	5.40
16	BHOPAL	HUZUR	S-NPP	23.39343	77.47202	02:38:00	N	0.99
17	CHHATARPUR	BARAMALEHRA	S-NPP	24.45513	79.22541	02:38:00	N	4.03
18	CHHATARPUR	BARAMALEHRA	S-NPP	24.45593	79.22542	02:38:00	N	4.28
19	CHHATARPUR	BARAMALEHRA	S-NPP	24.49779	79.15413	13:52:00	D	17.97
20	CHHATARPUR	BARAMALEHRA	S-NPP	24.51162	79.32467	02:38:00	N	0.51

21	CHHATARPUR	BIJAWAR	S-NPP	24.73352	79.50564	13:52:00	D	4.97
22	CHHATARPUR	BIJAWAR	S-NPP	24.73511	79.50558	13:52:00	D	30.30
23	CHHATARPUR	CHHATARPUR	S-NPP	24.84620	79.45696	02:38:00	N	1.32
24	CHHATARPUR	CHHATARPUR	S-NPP	24.84742	79.45750	02:38:00	N	1.41
25	CHHATARPUR	RAJNAGAR	S-NPP	24.82882	80.00208	13:52:00	D	10.58
26	CHHATARPUR	RAJNAGAR	S-NPP	24.89834	80.00203	13:52:00	D	28.55
27	CHHATARPUR	RAJNAGAR	S-NPP	24.90127	80.00378	13:52:00	D	65.09
28	CHHATARPUR	RAJNAGAR	S-NPP	24.92084	79.72974	02:38:00	N	2.16
29	CHHINDWARA	CHHINDWARA	S-NPP	22.14984	79.02399	02:40:00	N	2.12
30	DAMOH	JABERA	S-NPP	23.67873	79.69390	13:52:00	D	9.23
31	DAMOH	PATERA	S-NPP	23.87556	79.81322	13:52:00	D	8.58
32	DATIA	DATIA	S-NPP	25.54405	78.30821	02:38:00	N	1.36
33	DATIA	DATIA	S-NPP	25.63134	78.56867	02:38:00	N	1.27
34	EAST NIMAR	HARSUD	S-NPP	21.63718	76.69989	13:52:00	D	15.87
35	EAST NIMAR	HARSUD	AQUA	21.70720	77.04752	15:43:00	D	15.79
36	EAST NIMAR	KHANDWA	S-NPP	21.61722	76.40860	13:52:00	D	4.07
37	EAST NIMAR	KHANDWA	S-NPP	22.02929	76.36813	13:52:00	D	3.94
38	GUNA	ARON	S-NPP	24.37119	77.40487	02:38:00	N	1.76
39	GUNA	GUNA	S-NPP	24.86611	77.27815	02:38:00	N	2.21
40	GWALIOR	BHITARWAR	S-NPP	25.88476	78.05980	13:52:00	D	7.10
41	GWALIOR	BHITARWAR	AQUA	26.06604	78.06097	15:43:00	D	16.07
42	GWALIOR	DABRA	S-NPP	25.98402	78.27771	02:38:00	N	2.27
43	GWALIOR	DABRA	S-NPP	25.98516	78.27526	02:38:00	N	2.49
44	HARDA	HARDA	S-NPP	22.36988	77.00650	02:40:00	N	1.95
45	HARDA	HARDA	S-NPP	22.43122	76.95959	02:40:00	N	1.36
46	HARDA	TIMURNI	AQUA	22.10127	77.40394	15:43:00	D	12.17
47	JABALPUR	JABALPUR	S-NPP	23.10470	80.14793	02:38:00	N	2.57
48	JABALPUR	KUNDAM	S-NPP	23.31243	80.53060	13:52:00	D	6.53
49	JABALPUR	MAJHOULI	S-NPP	23.50970	79.94045	13:52:00	D	9.03
50	KATNI	BAHURIBAND	S-NPP	23.57613	79.99923	13:52:00	D	5.10
51	KATNI	BAHURIBAND	S-NPP	23.58033	79.99863	13:52:00	D	5.10
52	KATNI	BAHURIBAND	S-NPP	23.70992	80.08074	13:52:00	D	10.82
53	KATNI	BIJERAGHOGARH	S-NPP	23.99086	80.54938	13:52:00	D	10.15

54	KATNI	BIJERAGHOGARH	S-NPP	23.99089	80.55149	13:52:00	D	13.05
55	KATNI	DHIMERKHEDA	S-NPP	23.59651	80.32716	13:52:00	D	6.96
56	KATNI	DHIMERKHEDA	S-NPP	23.63093	80.39898	13:52:00	D	19.90
57	KATNI	DHIMERKHEDA	S-NPP	23.63525	80.39843	13:52:00	D	19.90
58	KATNI	RITHI	S-NPP	23.77728	80.24491	02:38:00	N	2.75
59	MORENA	KAILARAS	AQUA	26.31733	77.66351	15:43:00	D	18.71
60	NIMACH	JAWAD	S-NPP	24.93056	74.84135	13:52:00	D	2.61
61	NIMACH	JAWAD	AQUA	24.82165	75.24310	15:43:00	D	8.37
62	PANNA	GUNAU	S-NPP	24.44588	80.15955	02:38:00	N	0.98
63	PANNA	PAWAI	S-NPP	24.34517	79.92518	02:38:00	N	1.22
64	PANNA	SHAHNAGAR	S-NPP	24.05207	80.19219	13:52:00	D	9.94
65	PANNA	SHAHNAGAR	S-NPP	24.05257	80.19652	13:52:00	D	9.94
66	RAISEN	BAGAMGANJ	S-NPP	23.57789	78.31693	02:38:00	N	1.54
67	RAISEN	BAGAMGANJ	S-NPP	23.60229	78.43717	02:38:00	N	1.28
68	RAISEN	GAIKATGANJ	S-NPP	23.36227	78.16904	02:38:00	N	3.25
69	RAISEN	RAISEN	S-NPP	23.39313	77.70759	13:52:00	D	5.58
70	RAISEN	RAISEN	S-NPP	23.40966	77.71944	13:52:00	D	5.61
71	RAISEN	SILVANI	S-NPP	23.41308	78.56306	02:38:00	N	0.95
72	RAISEN	SILVANI	S-NPP	23.41501	78.56418	02:38:00	N	1.03
73	RAJGARH	BIYAVRA	S-NPP	24.00720	77.14111	02:38:00	N	3.45
74	REWA	TEONTHAR	S-NPP	25.04003	81.73744	13:52:00	D	3.04
75	SAGAR	BANDA	S-NPP	24.03783	78.71501	02:38:00	N	4.02
76	SAGAR	BANDA	S-NPP	24.03946	78.71943	02:38:00	N	3.33
77	SAGAR	BINA	S-NPP	24.05219	78.19162	02:38:00	N	1.12
78	SAGAR	DEVRI	S-NPP	23.56792	78.86063	02:38:00	N	1.86
79	SAGAR	RAHAT GARH	S-NPP	23.93235	78.47488	13:52:00	D	18.14
80	SATNA	AMARPATAN	S-NPP	24.38813	81.16070	13:52:00	D	15.94
81	SATNA	NAGOD	S-NPP	24.46872	80.57144	13:52:00	D	6.27
82	SATNA	NAGOD	S-NPP	24.56037	80.51842	02:38:00	N	2.44
83	SATNA	NAGOD	S-NPP	24.56123	80.51469	02:38:00	N	5.70
84	SATNA	NAGOD	S-NPP	24.64474	80.57653	02:38:00	N	1.14
85	SATNA	RAGURAJNAGAR	S-NPP	24.73350	80.66747	02:38:00	N	1.48
86	SATNA	RAMPURBAGHLEAN	S-NPP	24.55865	81.02389	13:52:00	D	15.95

87	SATNA	UCHAHAR	S-NPP	24.51698	80.80826	13:52:00	D	24.57
88	SATNA	UCHAHAR	S-NPP	24.52147	80.80769	13:52:00	D	17.62
89	SATNA	UCHAHAR	S-NPP	24.52972	80.82394	02:38:00	N	0.50
90	SATNA	UCHAHAR	S-NPP	24.53083	80.81741	00:58:00	N	3.49
91	SEHORE	AASHTA	S-NPP	22.90318	76.50922	02:38:00	N	0.66
92	SEHORE	NASRULLAHGANJ	S-NPP	22.72406	77.10806	02:38:00	N	3.64
93	SEONI	BARGHAT	S-NPP	21.92412	79.78451	13:52:00	D	4.64
94	SEONI	GHANSAUR	S-NPP	22.46548	79.87988	02:38:00	N	2.61
95	SEONI	KEWLARI	S-NPP	22.53674	80.01786	02:38:00	N	3.54
96	SEONI	LAKHNADOU	S-NPP	22.33409	79.52171	02:38:00	N	0.90
97	SEONI	SEONI	S-NPP	22.14618	79.53577	02:38:00	N	4.30
98	SEONI	SEONI	S-NPP	22.14697	79.53223	02:38:00	N	4.30
99	SHAJAPUR	MOMAN BARODIY	S-NPP	23.56342	76.20071	02:38:00	N	1.08
100	SHEOPUR	SHEOPUR	AQUA	25.75770	76.57349	15:43:00	D	11.03
101	SHIVPURI	NARWAR	S-NPP	25.63137	78.25993	02:38:00	N	2.14
102	SHIVPURI	SHIVPURI	S-NPP	25.41274	77.74008	02:38:00	N	3.45
103	UJJAIN	MEHIDPUR	AQUA	23.51996	75.70406	15:43:00	D	11.83
104	UJJAIN	TARANA	AQUA	23.37209	76.11020	15:43:00	D	8.97
105	UMARIA	BANDHOGARH	S-NPP	23.27283	80.84955	13:52:00	D	13.77
106	VIDESHA	BASODA	S-NPP	23.91404	78.04560	02:38:00	N	0.61
107	VIDESHA	GYARASPUR	S-NPP	23.68668	78.08805	02:38:00	N	3.78
108	VIDESHA	KORWAI	S-NPP	24.21119	78.07586	02:38:00	N	0.71
109	VIDESHA	SIRANJ	S-NPP	23.97928	77.73521	02:38:00	N	1.29
110	WEST NIMAR	KASRAWAD	S-NPP	21.95189	75.61259	13:52:00	D	14.11
111	WEST NIMAR	KHARGON	S-NPP	21.96482	75.35861	13:52:00	D	7.35

The study used data received from following Satellites at NRSC Ground Station/ NASA FIRMS

S. No.	Satellite Name	Sensor	Resolution (meter)	Day / Night Passes
1.	Suomi NPP	VIIRS	375 / 750	Both
2.	Terra	MODIS	1000	Both
3.	Aqua	MODIS	1000	Both

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

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GIS Maps of fire events can be visualized online on ICAR KRISHI Geoportal website <https://creams.iari.res.in/geokrishi/>

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