

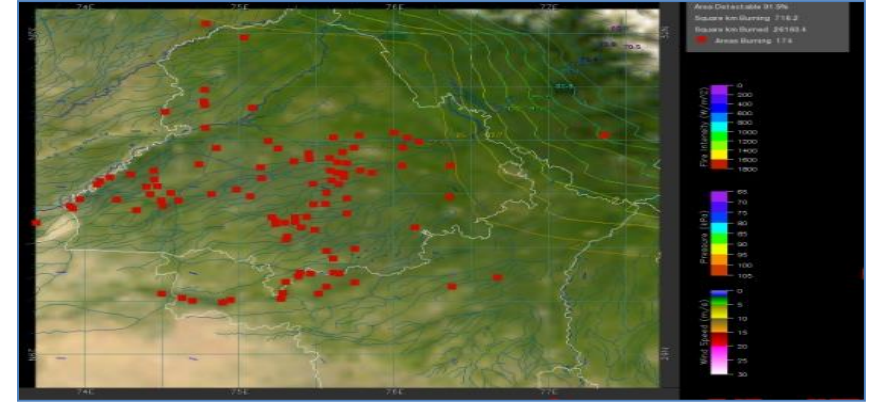
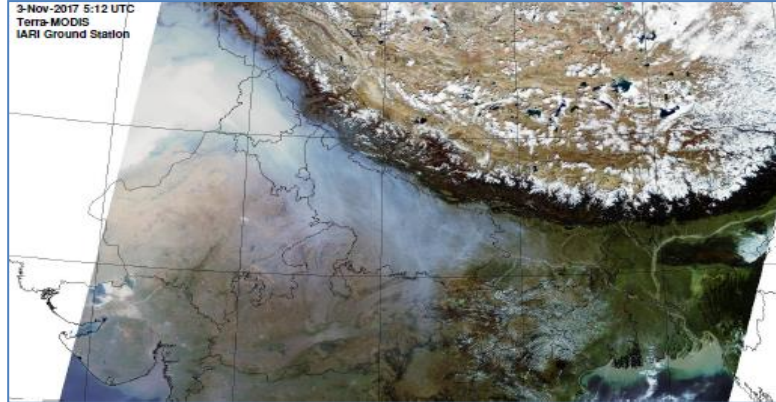


MONITORING PADDY RESIDUE BURNING IN INDIA USING SATELLITE REMOTE SENSING DURING 2025

Bulletin
No. 44

Events Date:
28-Oct-2025

Issued on:
28-Oct-2025



Consortium for Research on Agroecosystem Monitoring and Modeling from Space (CREAMS)
Laboratory,

Division of Agricultural Physics, ICAR – Indian Agricultural Research Institute, New Delhi – 110012

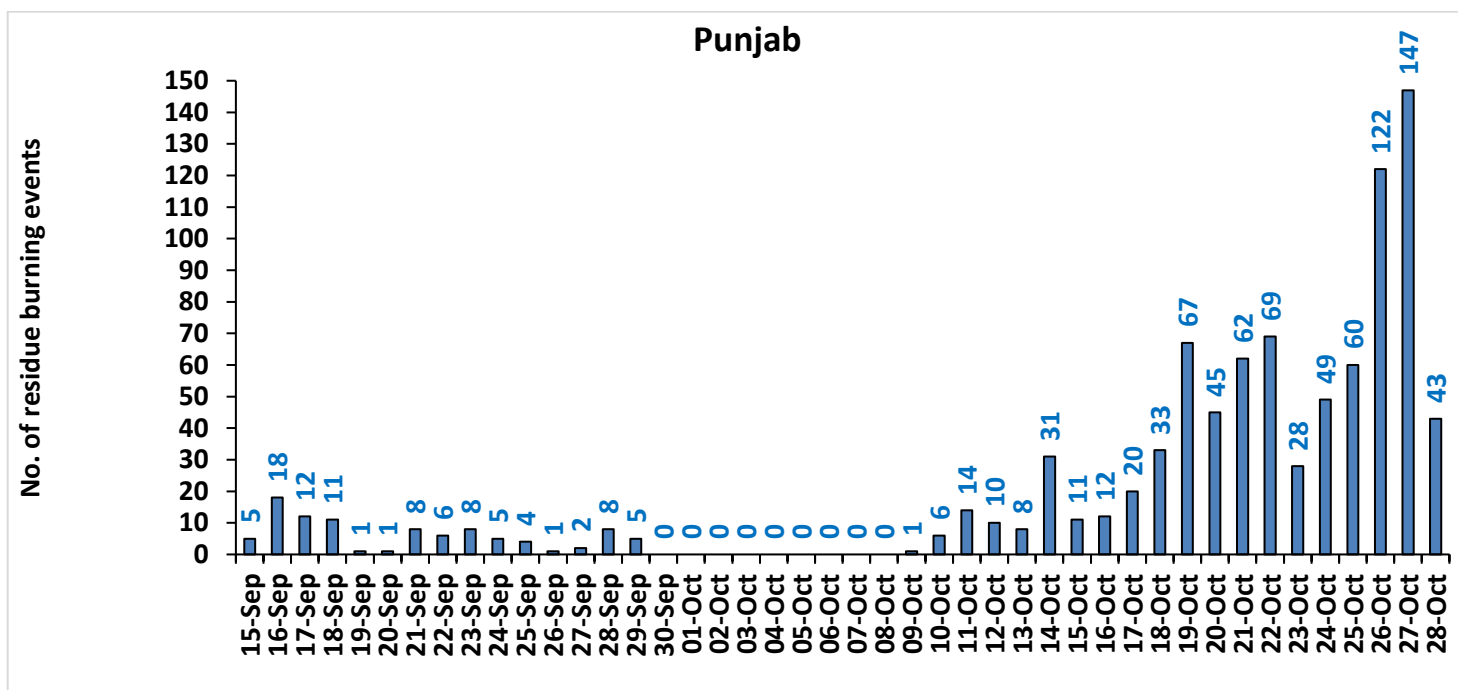
<https://creams.iari.res.in>



Highlights for 28-Oct-2025

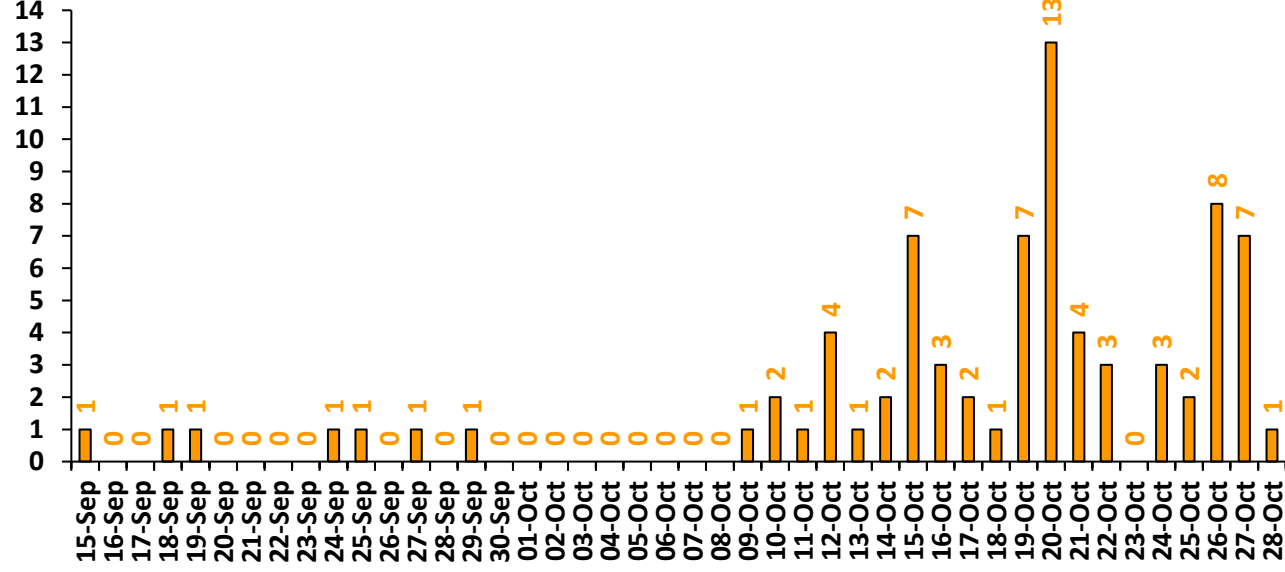
- The active fire events due to rice residue burning were monitored using satellite remote sensing, following the "Standard Protocol for Estimation of Crop Residue Burning Fire Events using Satellite Data".
- Satellites detected **50** residue burning events in the six study States on **28-Oct-2025**.
- The state wise events detected on **28-Oct-2025** were **43** in Punjab, **01** in Haryana, **00** in UP, **00** in Delhi, **06** in Rajasthan and **00** in MP.
- Total **3015** burning events were detected in the six states between **15-Sept-2025** and **28-Oct-2025**, which are distributed as **933, 79, 973, 03, 544** and **483** in Punjab, Haryana, UP, Delhi, Rajasthan and MP, respectively.
- Detection of residue burning events was hampered by the presence of clouds over Haryana, Uttar Pradesh, Rajasthan and Madhya Pradesh states.

Temporal distribution of rice residue burning events for the study States in 2025



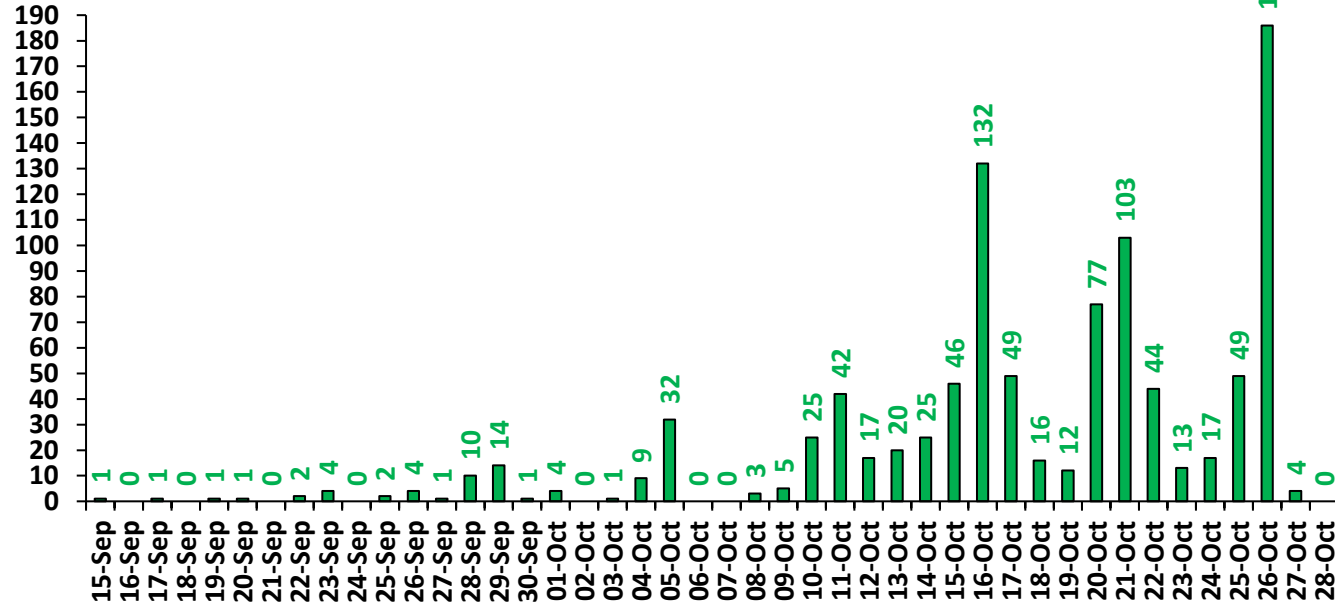
Haryana

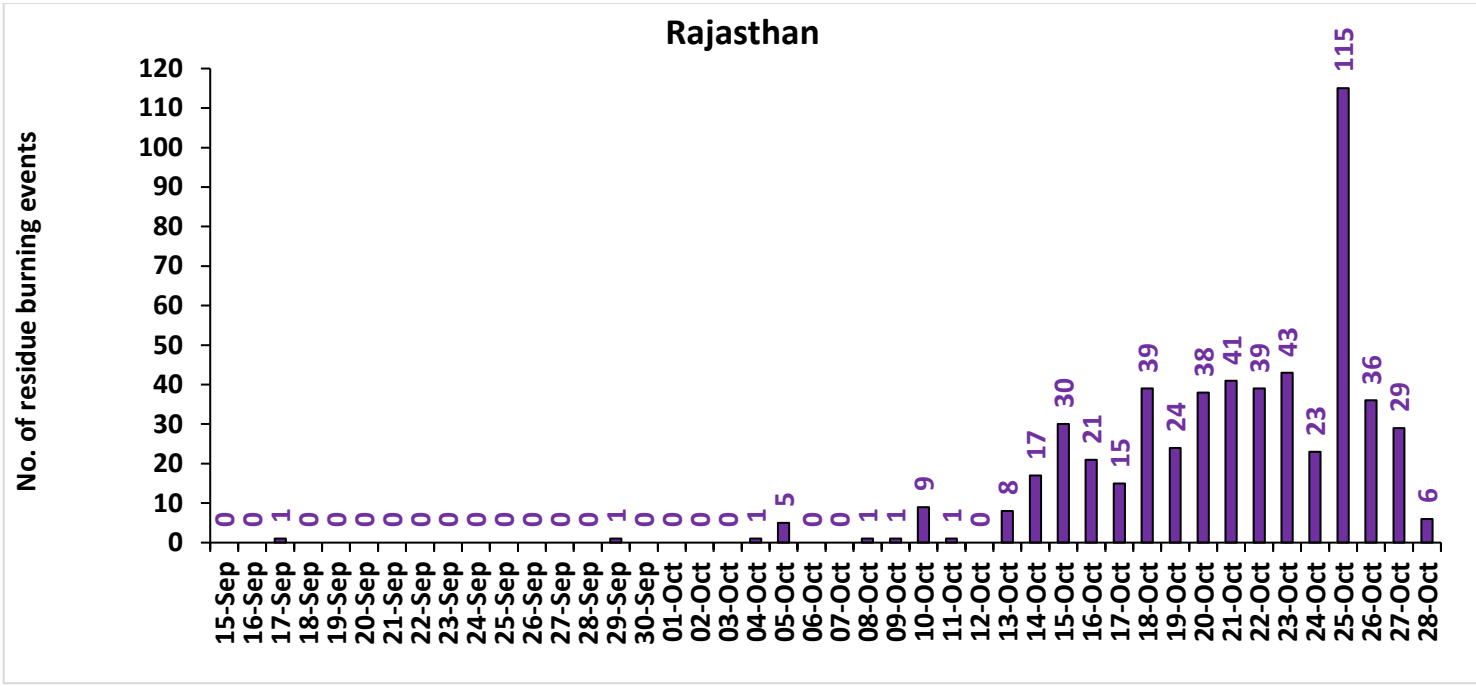
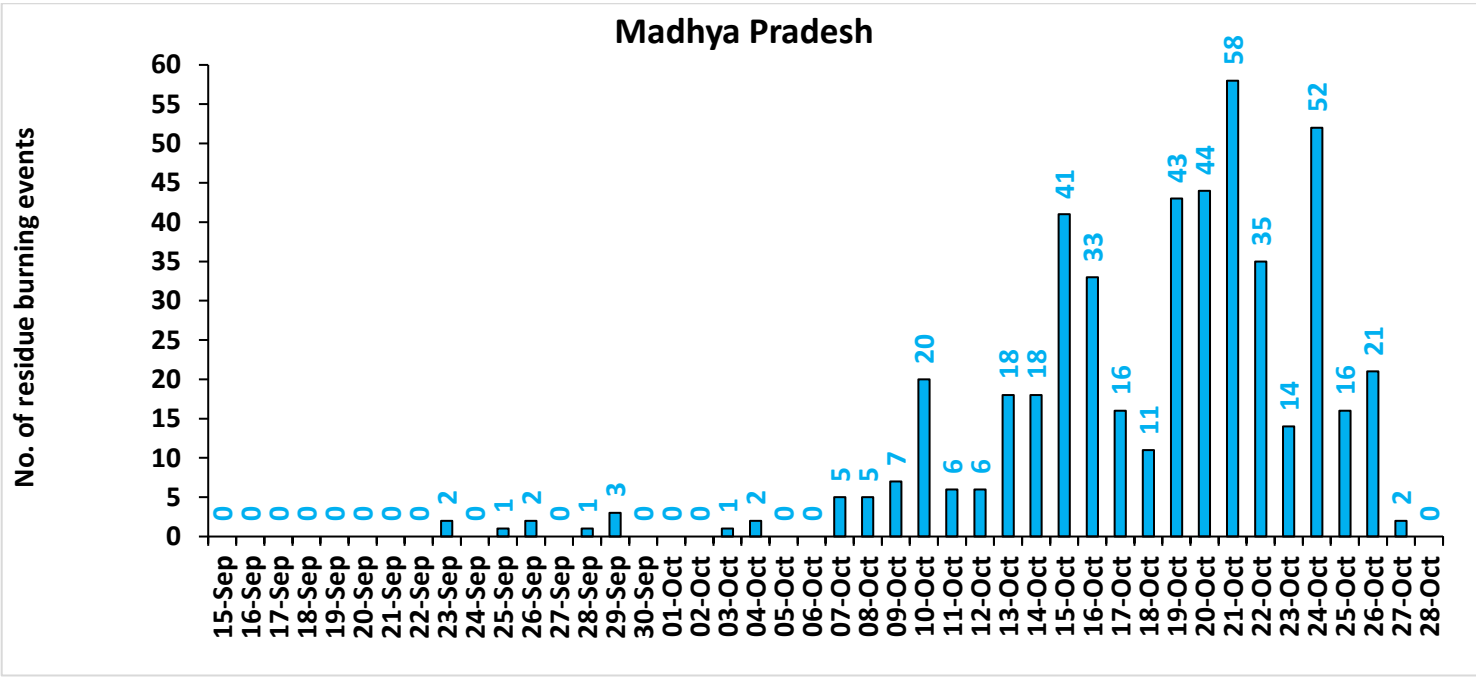
No. of residue burning events

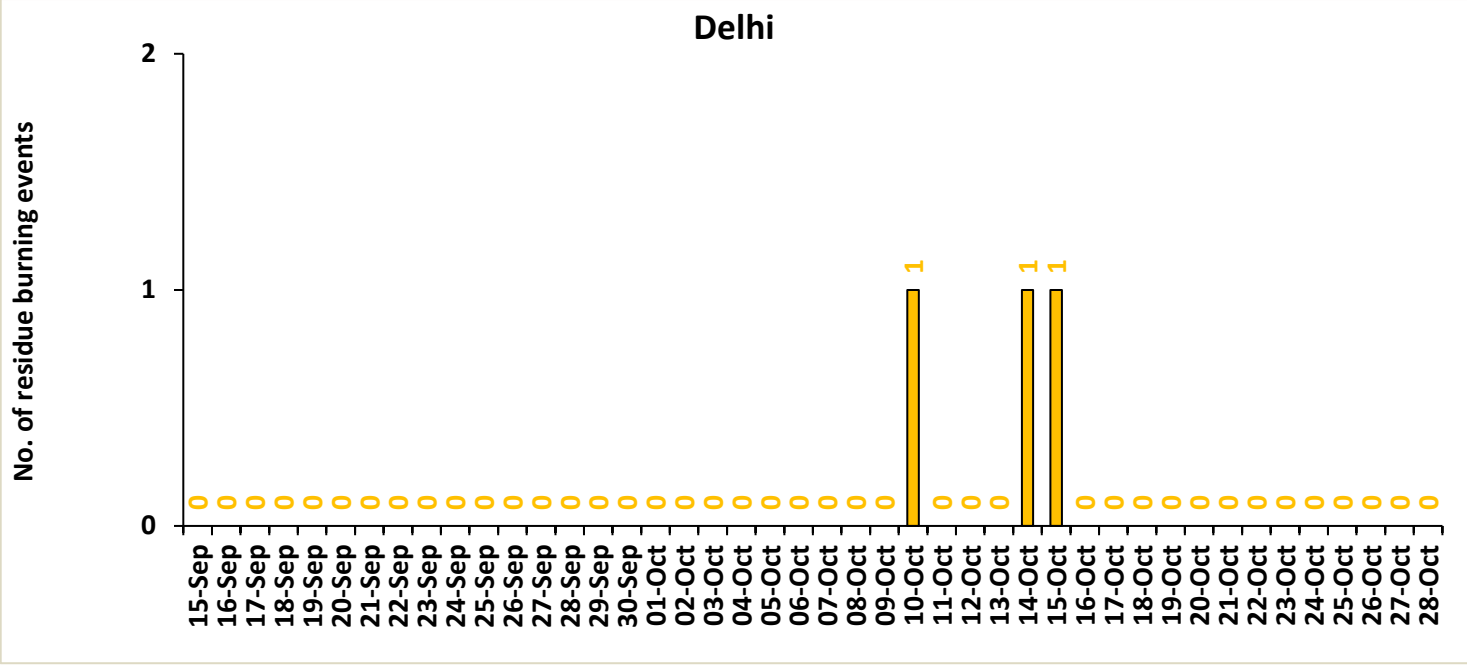


Uttar Pradesh

No. of residue burning events

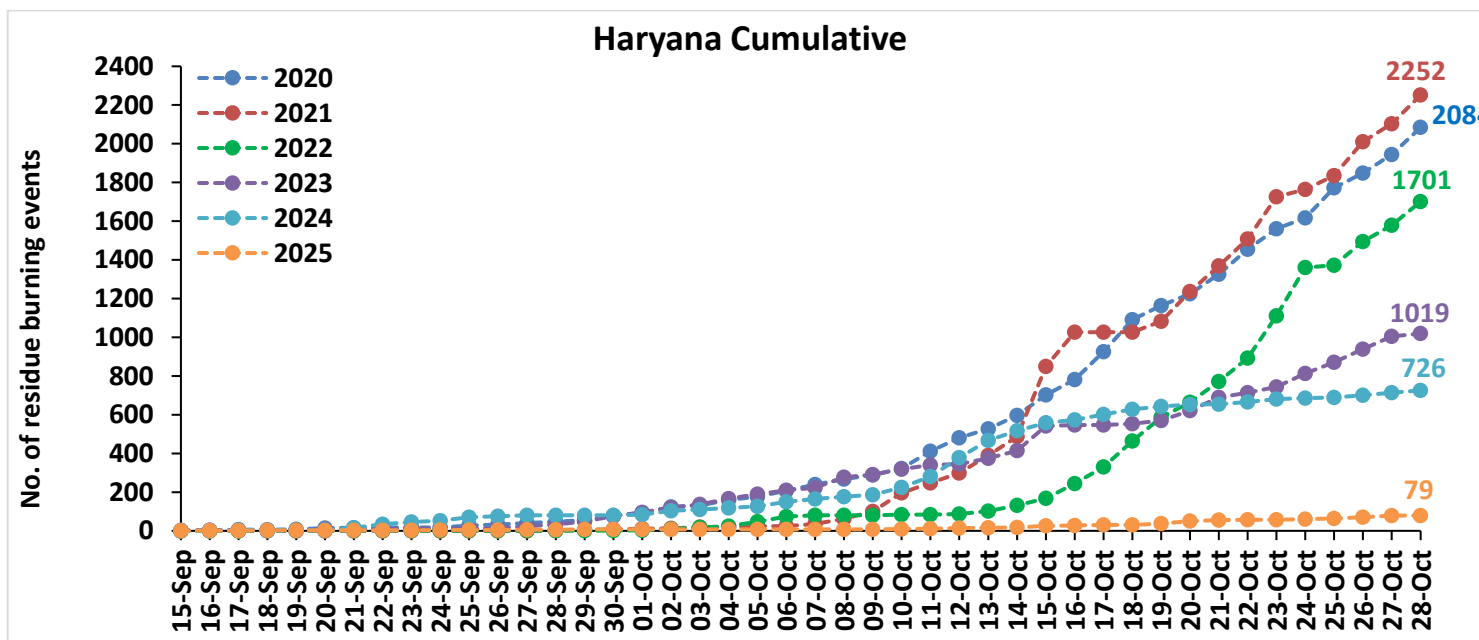
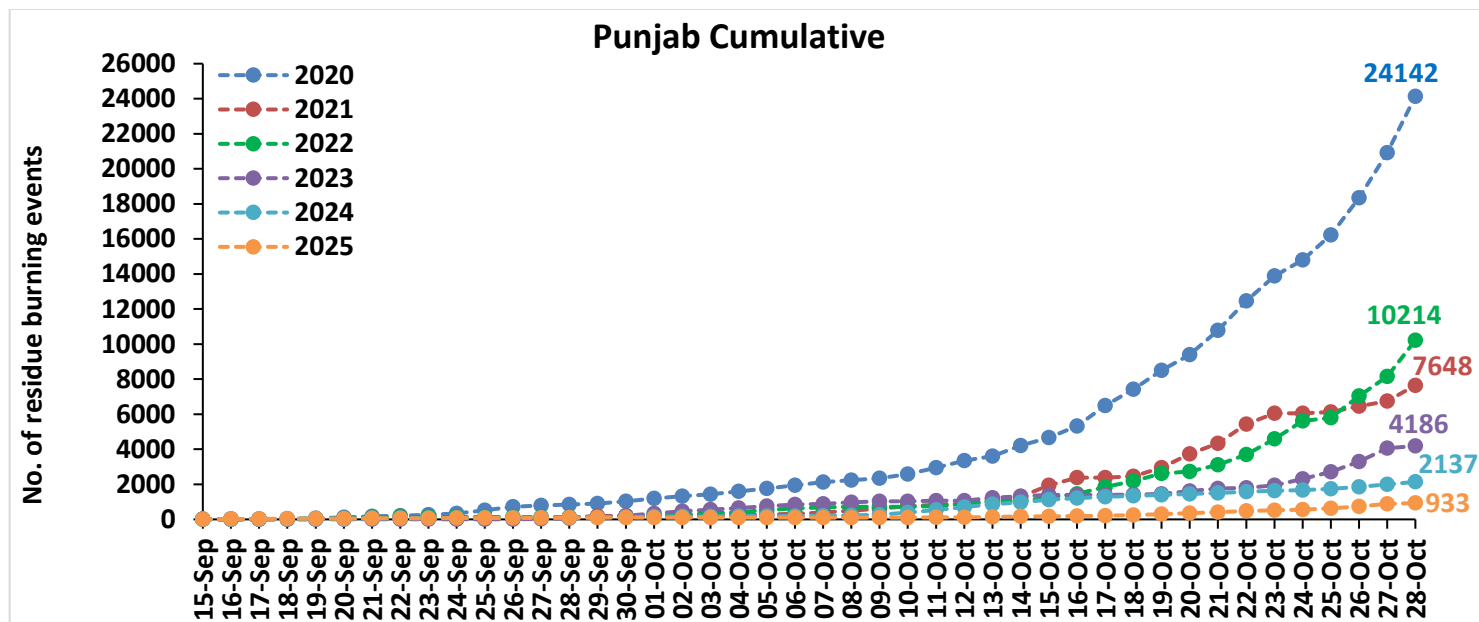


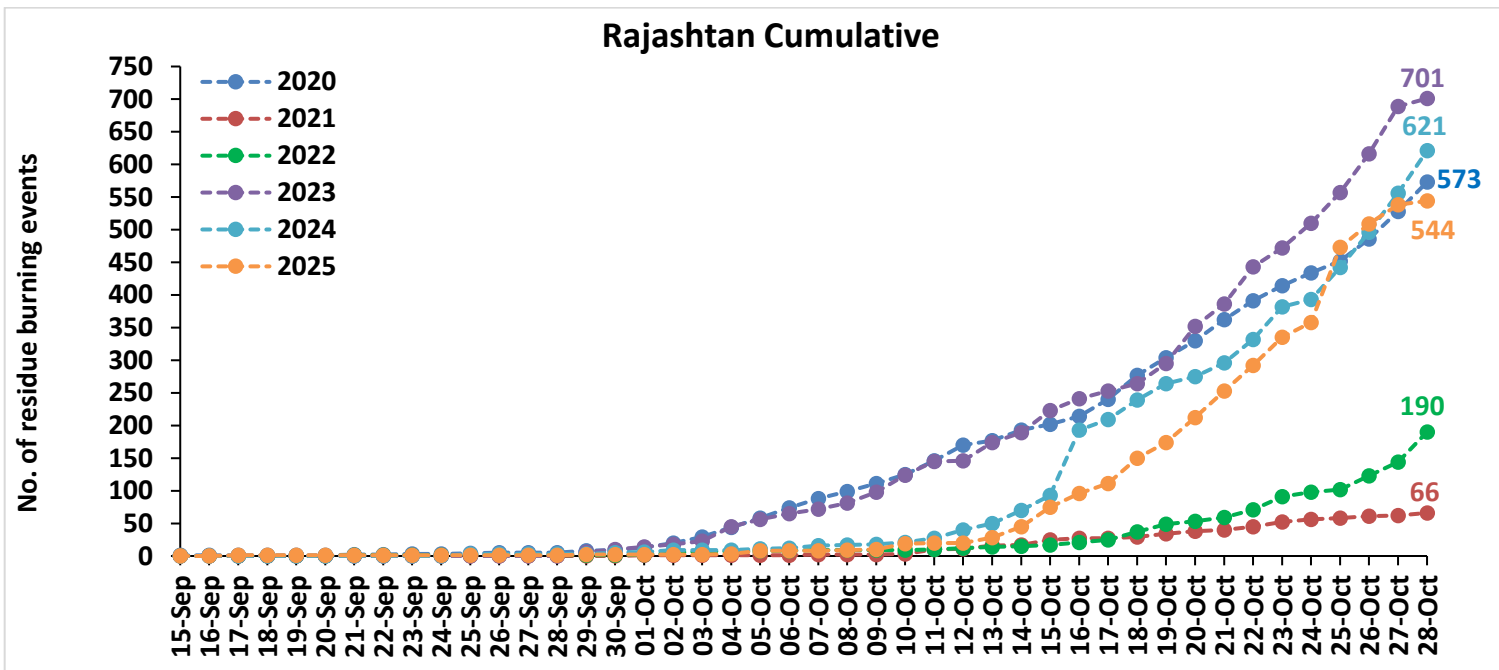
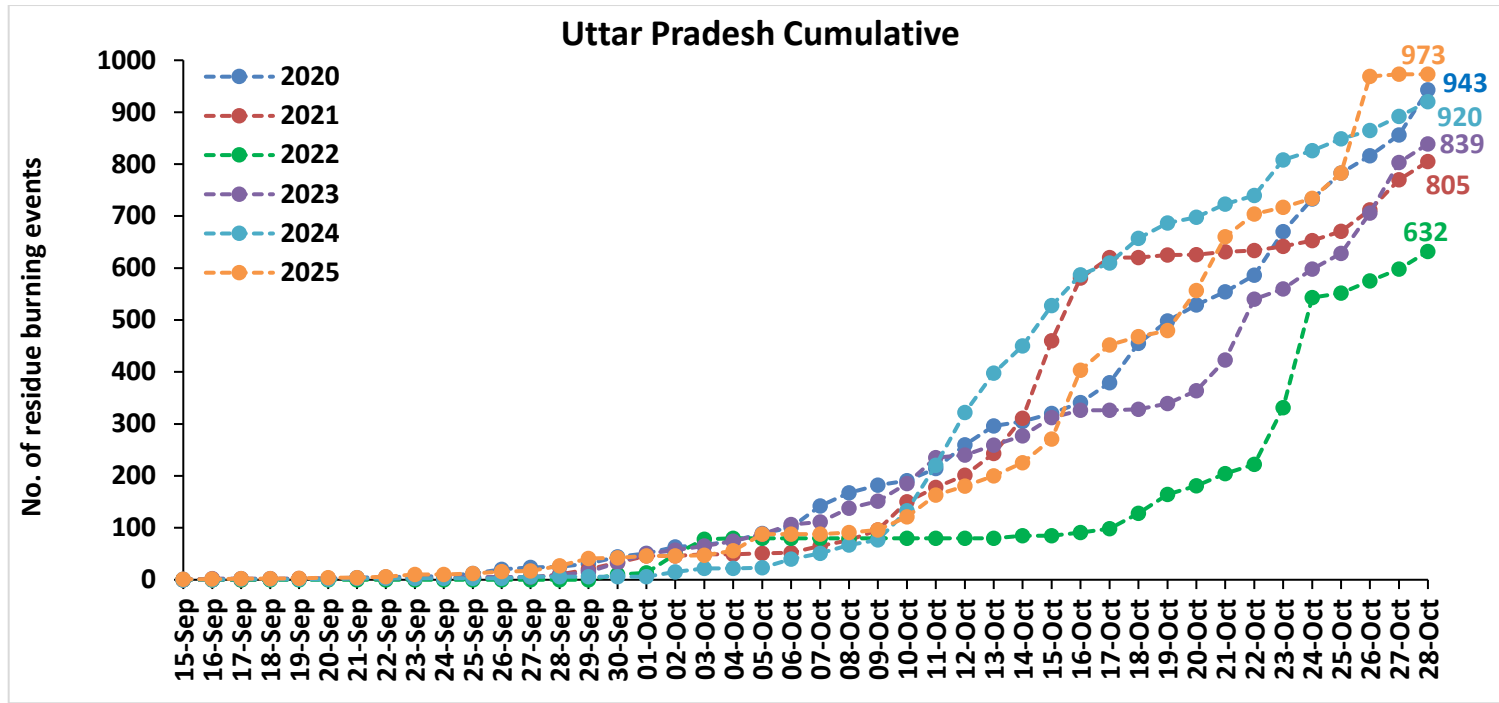


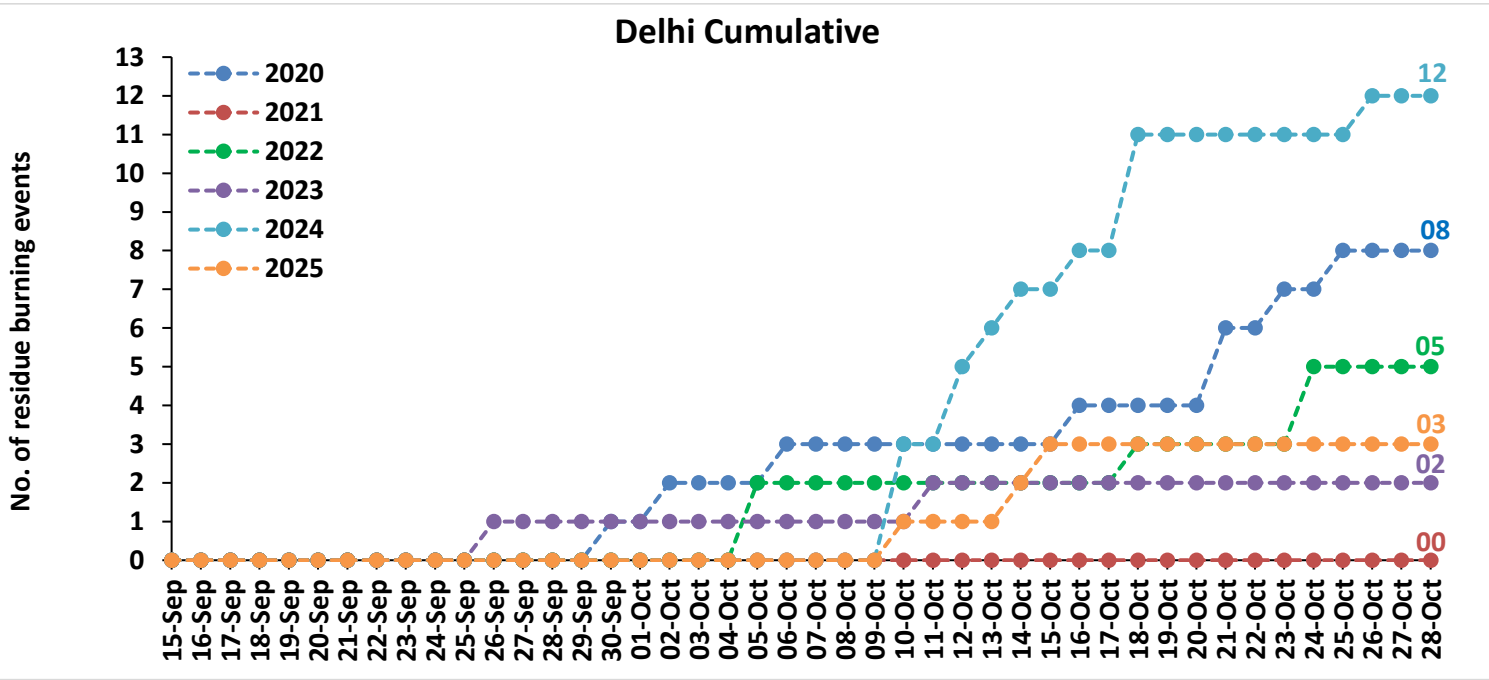
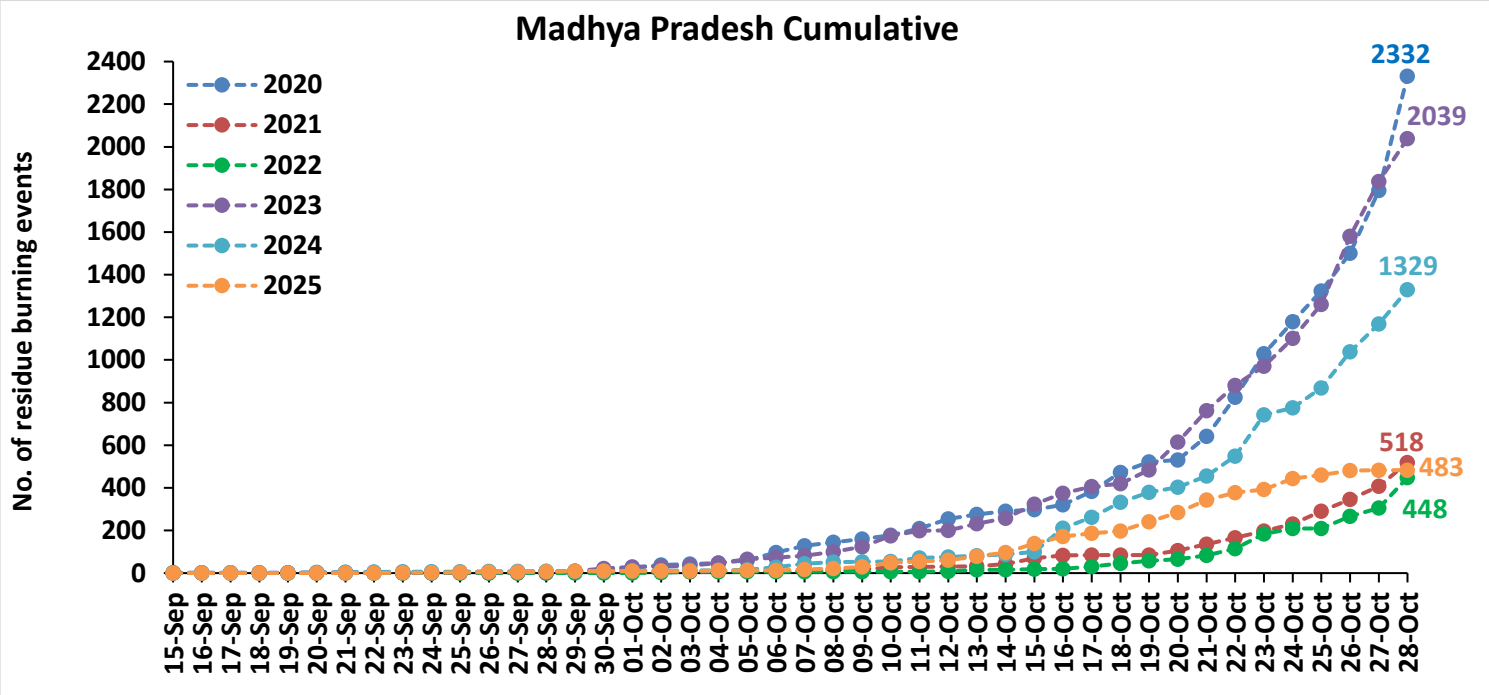


Comparison of residue burning events in current year (2025) with previous years (2020,2021,2022, 2023 and 2024) for the study

States

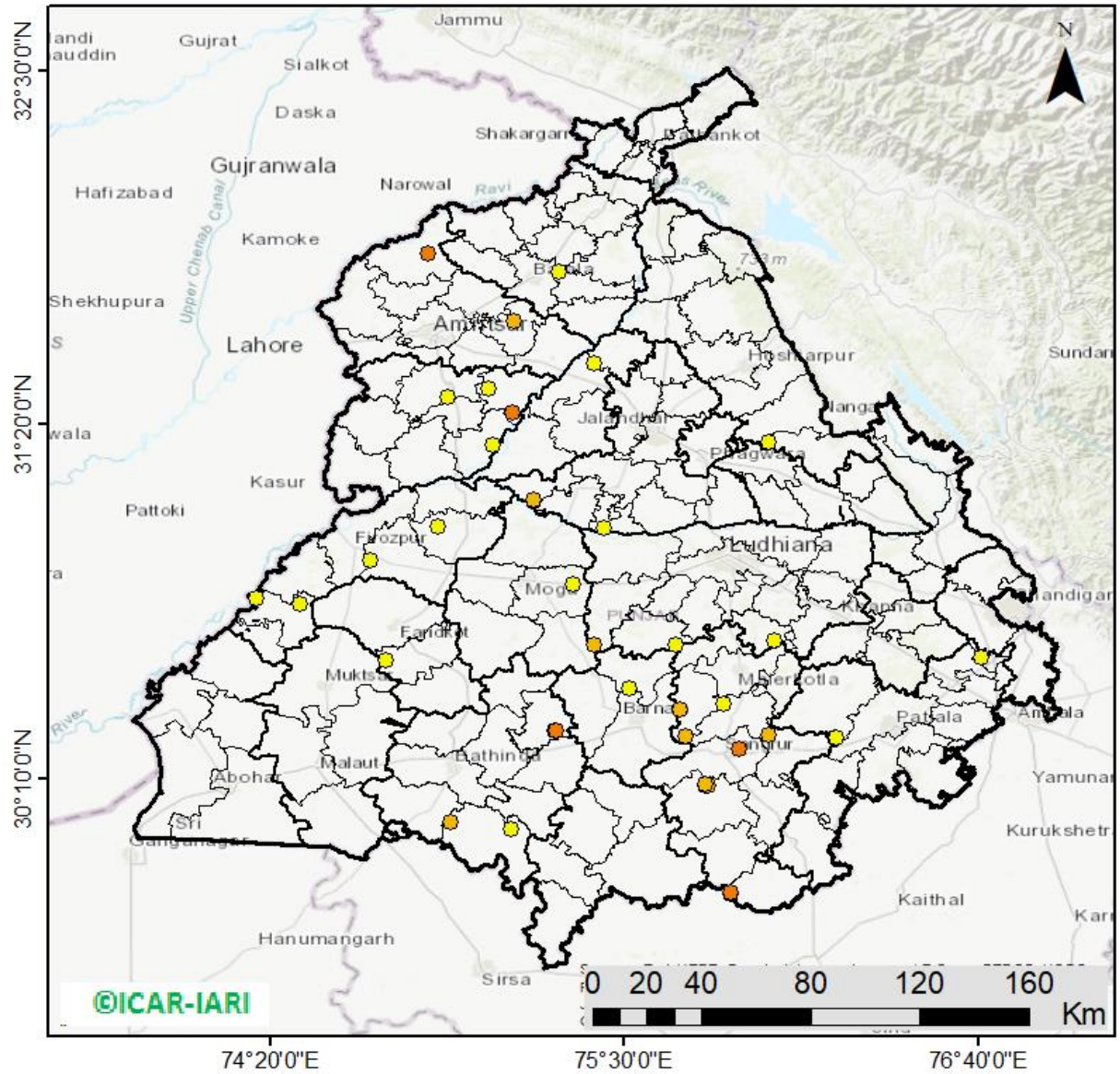






Punjab

RICE RESIDUE BURNING IN PUNJAB



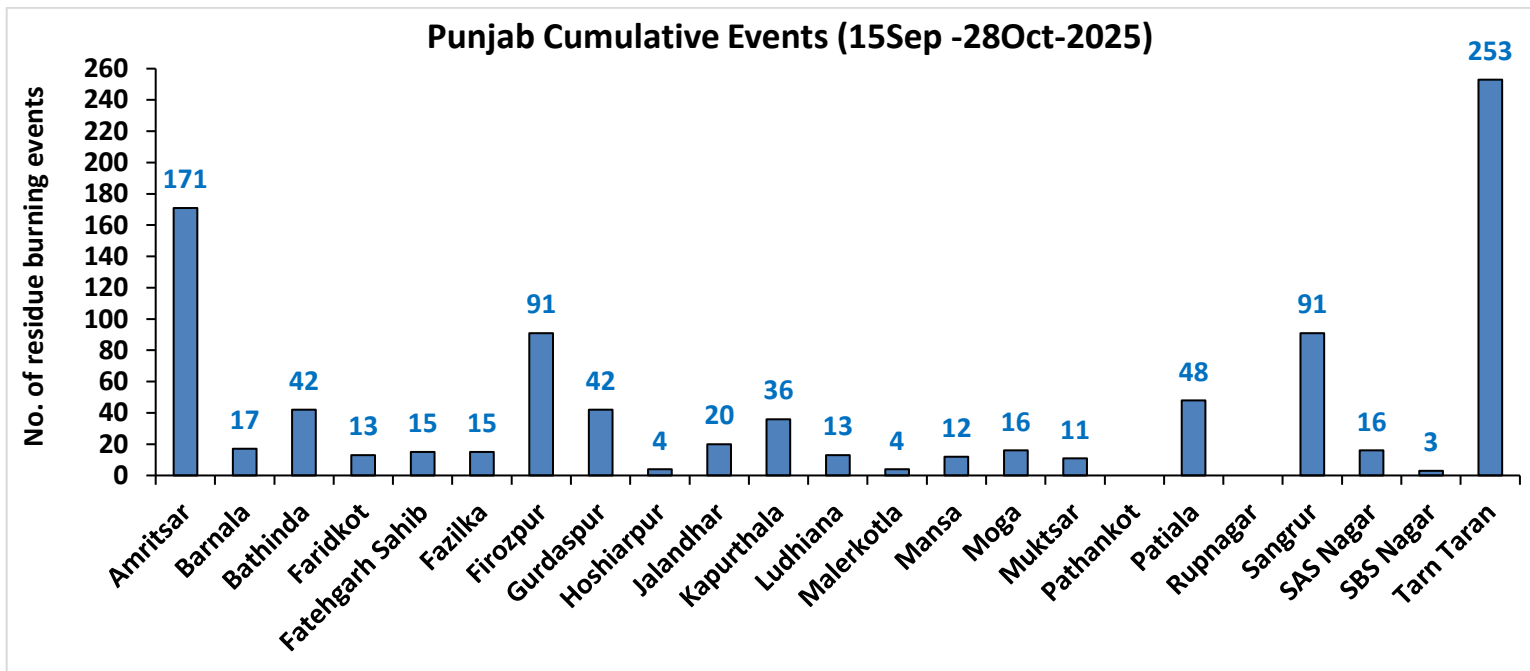
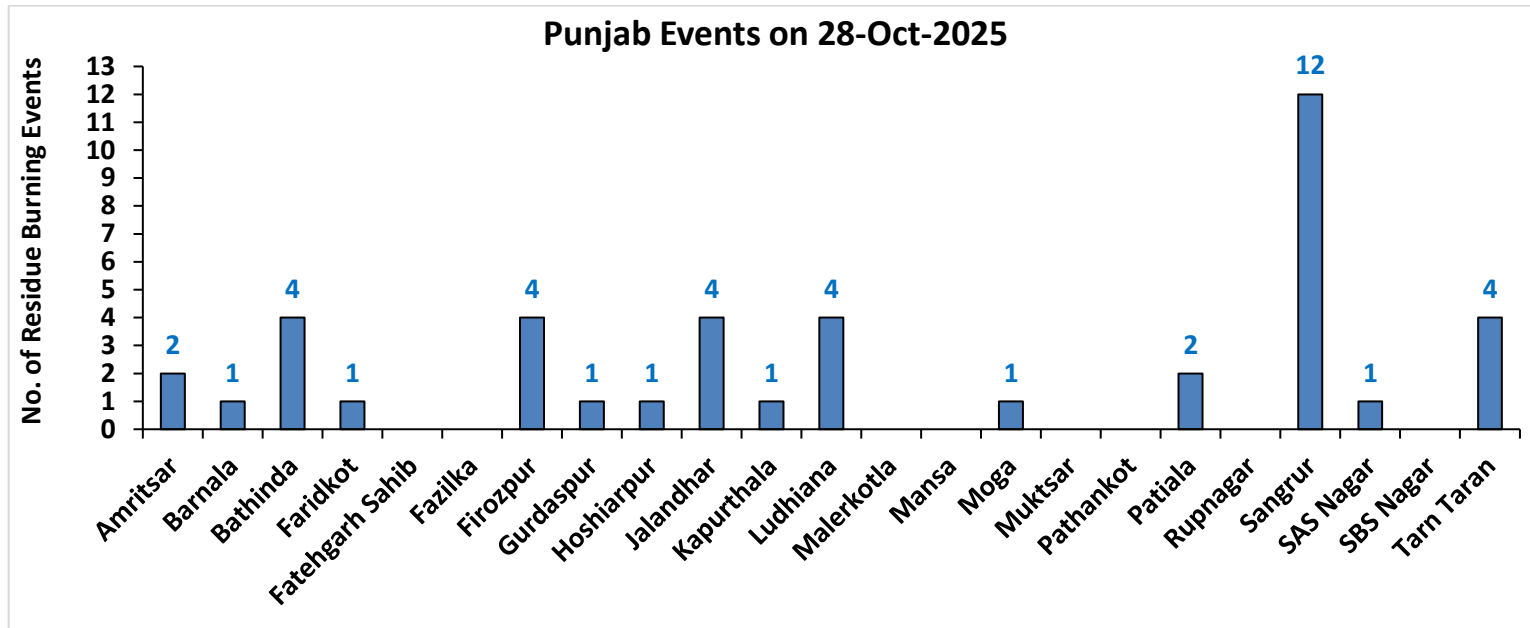
43 burning events detected in Punjab during (28th Oct 2025)

Fire Intensity (W/m²)

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

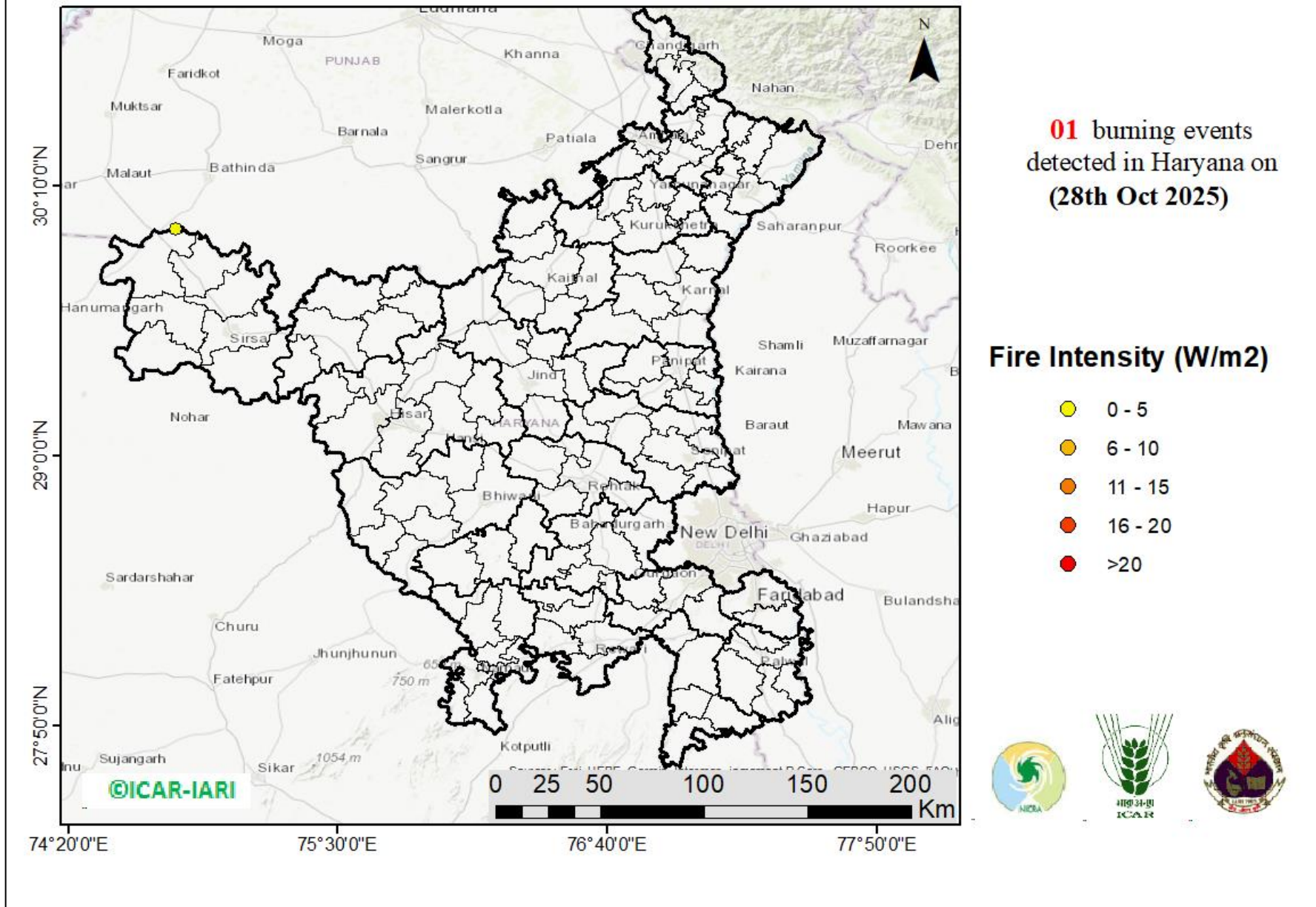


District-wise cumulative number of residues burning events in Punjab (15Sep-28Oct-2025)

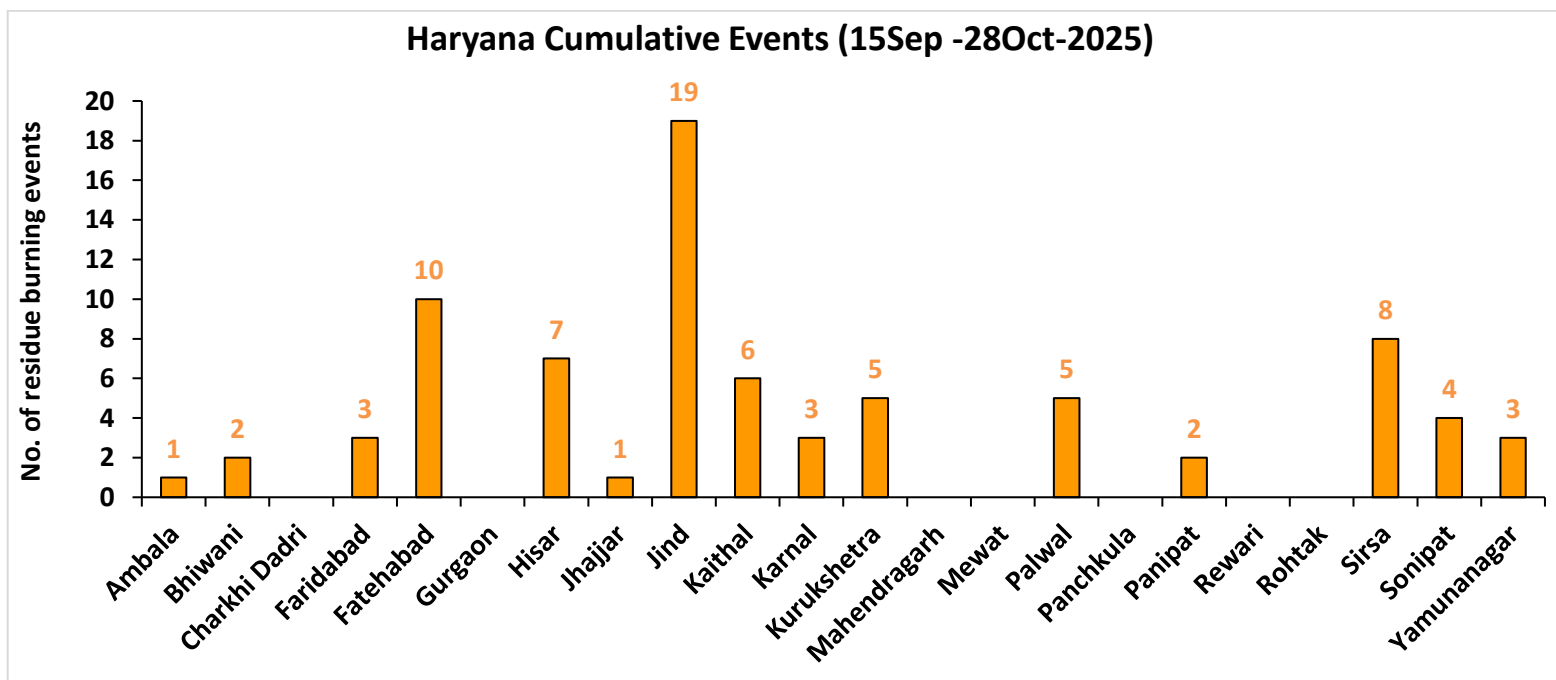
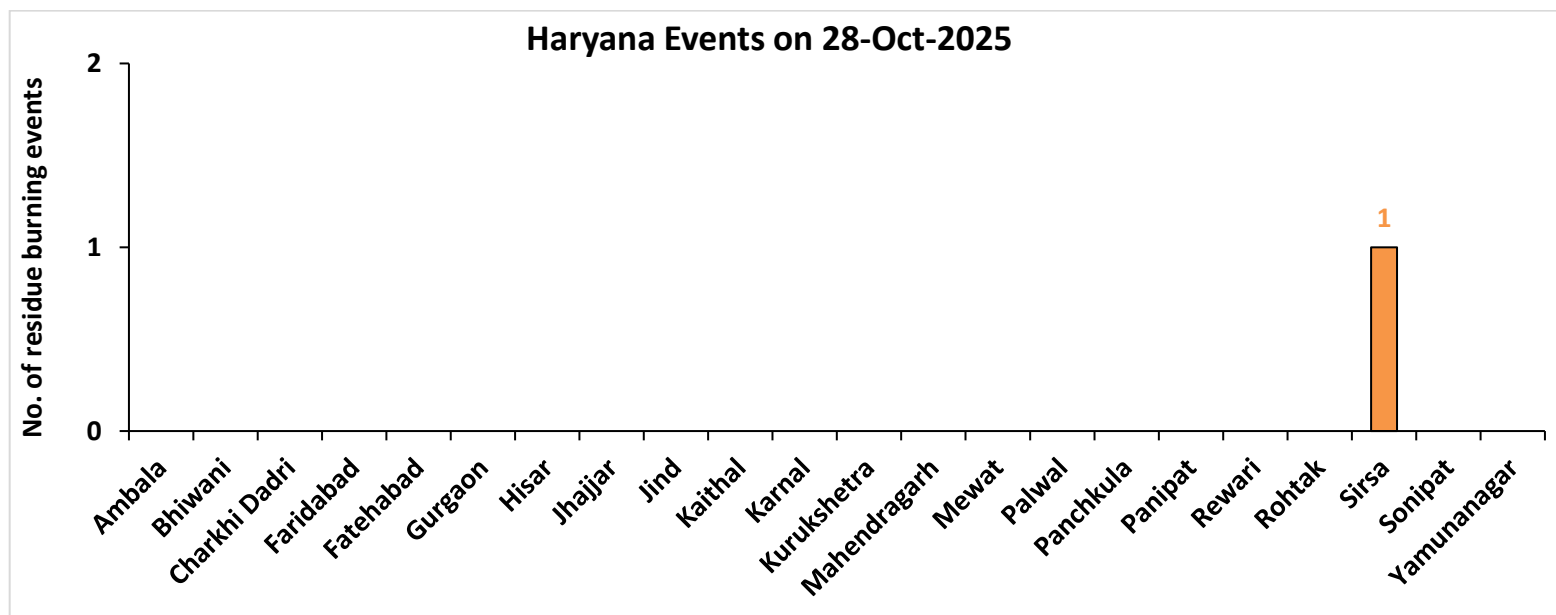


Haryana

RICE RESIDUE BURNING IN HARYANA

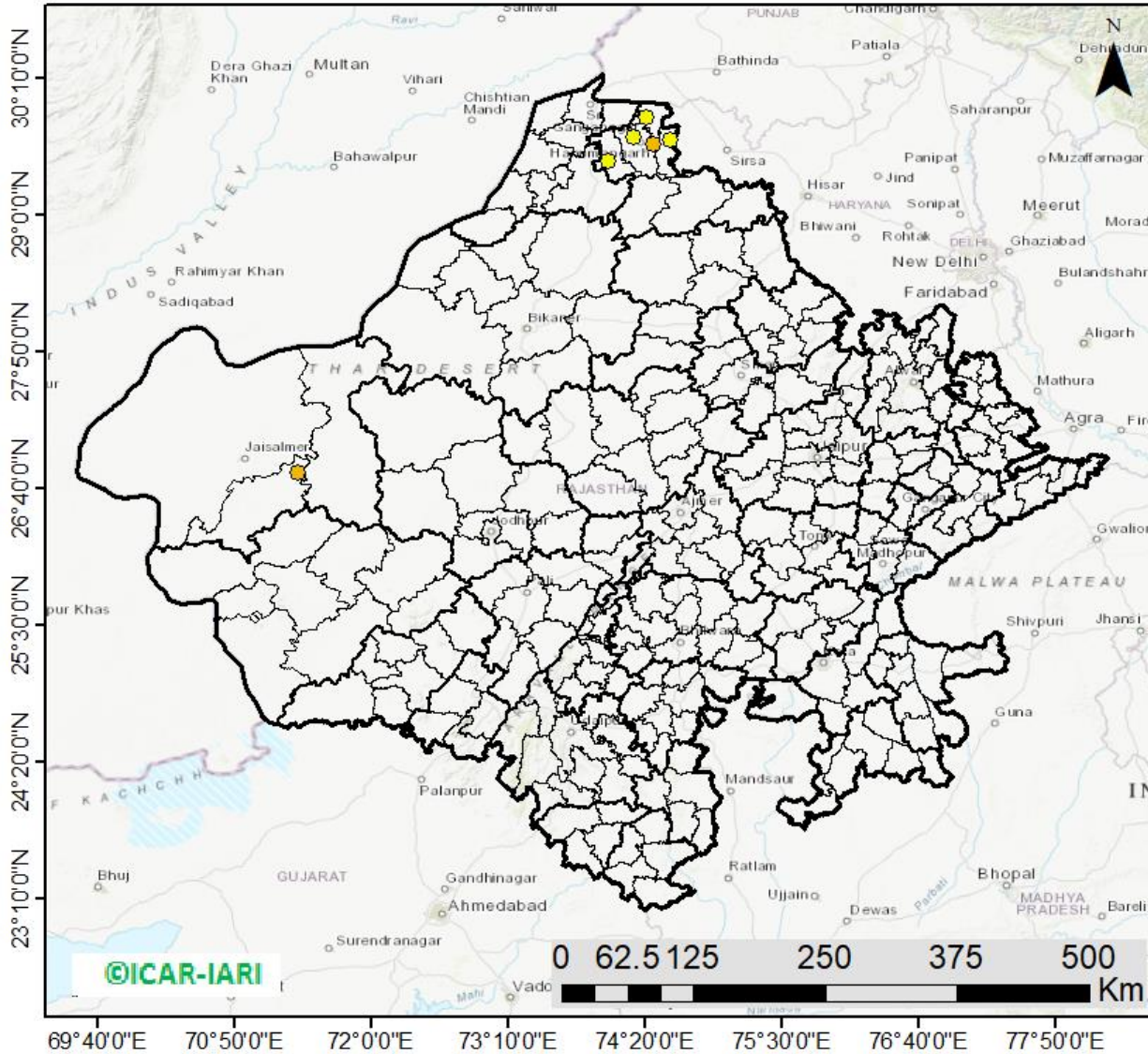


District-wise cumulative number of residues burning events in Haryana (15Sep-28Oct-2025)



Rajasthan

RICE RESIDUE BURNING IN RAJASTHAN



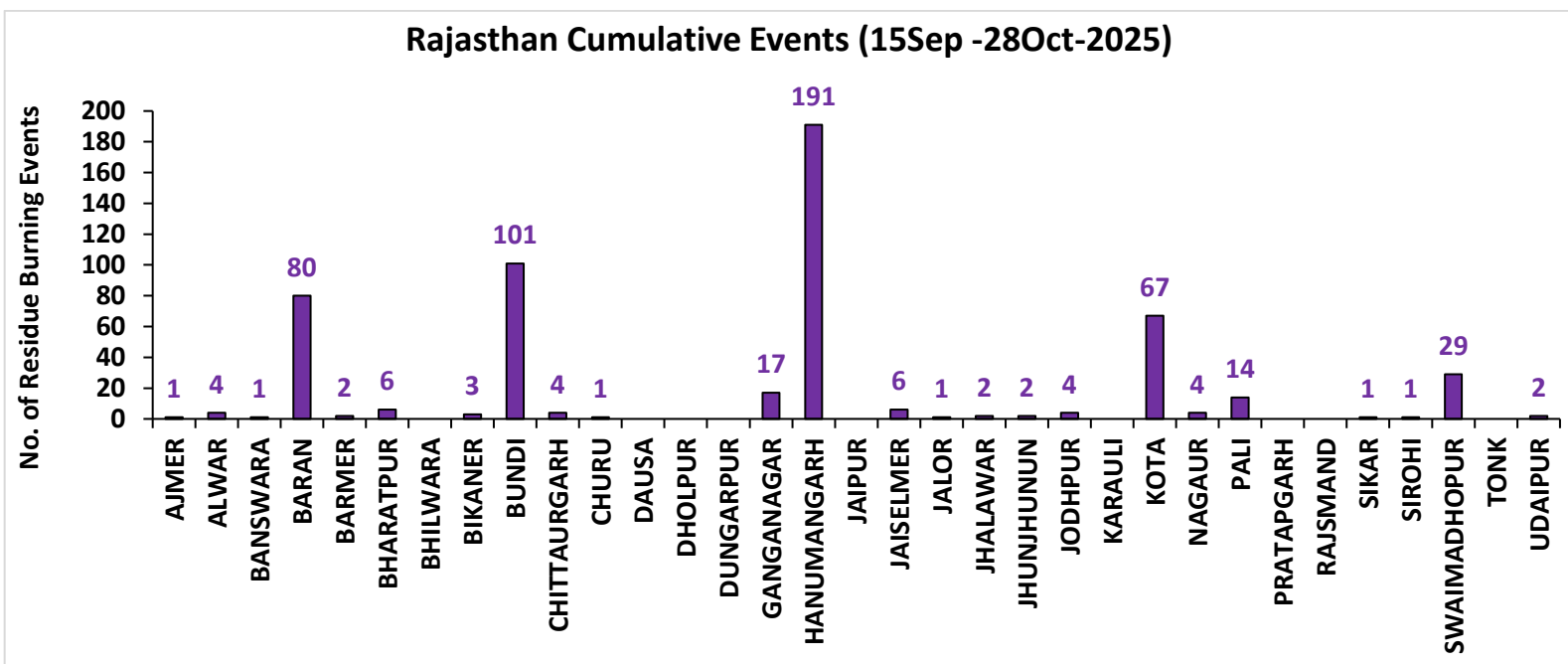
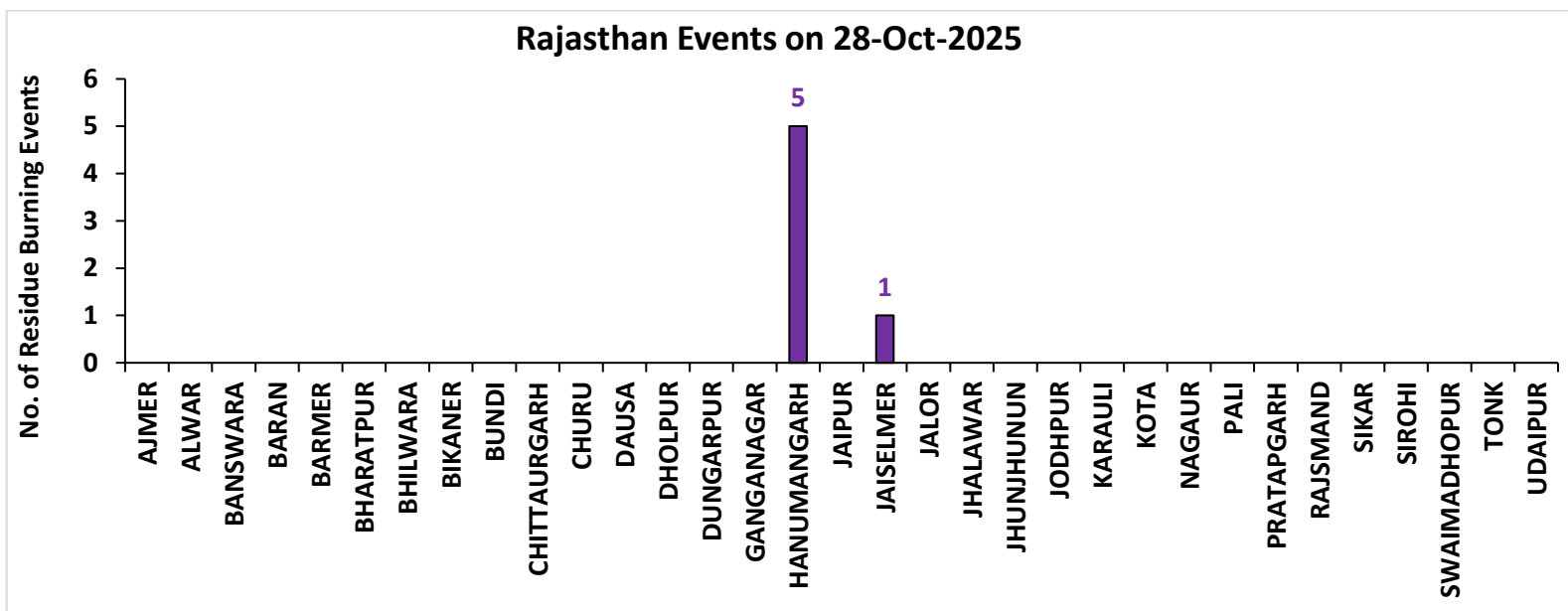
06 burning events
detected in Rajasthan on
(28th Oct 2025)

Fire Intensity (W/m²)

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



District-wise cumulative number of residues burning events in Rajasthan (15Sep-28Oct-2025)



District-wise cumulative number of residues burning events detected in 2020, 2021, 2022, 2023, 2024 and 2025
(Period: 15 September -28 October)

(a) Punjab

District	15 Sep- 28 Oct					
	2020	2021	2022	2023	2024	2025
Amritsar	2581	991	1245	1003	489	171
Barnala	367	142	198	41	16	17
Bathinda	533	172	320	49	29	42
Faridkot	1197	452	130	64	23	13
Fatehgarh Sahib	792	288	440	201	76	15
Fazilka	322	107	102	38	27	15
Firozpur	3253	522	626	350	223	91
Gurdaspur	1729	395	732	83	64	42
Hoshiarpur	292	75	117	6	2	4
Jalandhar	664	314	510	111	27	20
Kapurthala	1202	484	687	184	99	36
Ludhiana	876	482	453	167	43	13
Malerkotla	0	0	0	18	32	4
Mansa	379	66	171	205	48	12
Moga	628	254	244	136	30	16
Muktsar	692	194	116	23	11	11
Pathankot	8	0	0	1	0	0
Patiala	2367	711	1093	507	266	48
Rupnagar	102	46	98	8	5	0
Sangrur	1675	238	844	359	201	91
SAS NAGAR (Mohali)	102	56	65	101	31	16
SBS Nagar	54	36	27	18	6	3
Tarn Taran	4327	1623	1996	513	389	253
Total	24142	7648	10214	4186	2137	933

(b) Haryana

District	15 Sep- 28 Oct					
	2020	2021	2022	2023	2024	2025
AMBALA	280	123	133	137	77	1
BHIWANI	0	0	0	2	0	2
CHARKHI DADRI	0	0	0	0	0	0
FARIDABAD	1	2	1	3	35	3
FATEHABAD	176	186	221	157	43	10
GURGAON	0	0	0	0	0	0
HISAR	11	9	29	61	20	7
JHAJJAR	3	0	0	5	3	1
JIND	69	110	161	125	53	19
KAITHAL	467	622	464	136	137	6
KARNAL	481	635	234	59	76	3
KURUKSHETRA	366	396	269	119	109	5
MAHENDRAGARH	0	0	0	0	0	0
MEWAT	0	0	0	0	0	0
PALWAL	34	33	22	49	29	5
PANCHKULA	0	0	0	1	14	0
PANIPAT	16	27	24	20	28	2
REWARI	0	0	0	0	0	0
ROHTAK	6	0	0	9	11	0
SIRSA	47	23	36	20	20	8
SONIPAT	18	8	13	53	41	4
YAMUNANAGAR	109	78	94	63	30	3
Total	2084	2252	1701	1019	726	79

(c) Uttar Pradesh

District	15 Sep- 28 Oct																			
	2020	2021	2022	2023	2024	2025	GAUTAMBU DHNAGAR	6	9	8	9	26	6	MUZAFARNAGAR	3	3	1	2	7	2
AGRA	2	0	0	4	0	3	GAZIPUR	0	0	0	1	0	0	PILHIBHIT	10	113	87	80	33	66
ALIGARH	72	25	26	78	155	47	GHAZIABAD	6	3	2	13	10	3	PRATAPGARH	4	0	1	5	1	3
ALLAHABAD	0	2	2	2	1	2	GONDA	0	0	0	0	0	5	RAIBEARELI	1	1	2	3	2	5
AMBEDKARNA GAR	0	0	0	0	2	3	GORAKHPU R	1	0	0	1	1	1	RAMPUR	72	55	46	55	18	16
AMETHI	2	2	4	2	0	1	HAMIRPUR	1	0	0	0	0	2	SAMBHAL	7	7	7	13	84	26
AMROHA	3	0	0	2	4	6	HAPUR	7	3	1	0	12	3	SANTKABIRNAGAR	0	0	1	1	0	1
AURAIYA	19	10	7	12	1	10	HARDOI	22	7	9	29	20	55	SANTRAVIDASNAG AR	0	0	0	0	0	0
AZAMGARH	0	0	0	1	0	0	HATHRAS	0	0	0	2	13	17	SHAHJAHANPUR	55	199	200	43	57	70
BADAUN	2	6	0	4	21	14	JALAUN	2	0	0	0	0	41	SHAMLI	24	17	6	5	8	4
BAGHPAT	5	1	1	1	3	3	JAUNPUR	1	1	0	1	0	0	SHARANPUR	56	29	8	8	8	22
BAHRAICH	36	8	5	5	6	25	JHANSI	35	7	1	38	11	25	SHRAWASTI	14	3	0	6	2	12
BALLIA	1	0	0	0	1	3	KANNAUJ	12	2	0	1	5	12	SIDDHARTHANAGAR	0	0	0	0	1	0
BALRAMPUR	8	3	1	2	0	3	KANPUR	6	7	10	21	2	8	SITAPUR	26	19	5	8	49	32
BANDA	0	0	0	0	0	3	KANPUR DEHAT	20	2	1	24	5	13	SONBHADRA	0	0	0	0	0	0
BARABANKI	23	24	23	46	70	57	KASGANJ	2	2	0	3	1	6	SULTANPUR	1	1	0	2	0	1
BAREILLY	26	18	11	26	16	26	KAUSHAMBI	19	11	3	21	3	13	UNNAO	7	1	0	13	8	9
BASTI	5	1	0	1	1	1	KHERI	56	67	75	11	21	28	VARANASI	1	0	0	0	0	0
BIJNOR	8	5	2	6	5	2	KUSHINAGA R	0	0	0	2	0	0	Total	943	805	632	839	920	973
BULANDSAHAR	25	2	7	6	30	3	LALITPUR	0	1	3	2	0	1							
CHANDAULI	0	0	0	0	0	0	LUCKNOW	4	5	1	4	5	6							
CHITRAKOOT	0	3	2	3	0	0	MAHARAJG ANJ	0	0	1	2	1	2							
DEORIA	3	0	1	2	0	2	MAHOBA	12	0	0	0	0	0							
ETAH	13	6	1	12	11	17	MAINPURI	18	10	11	22	18	29							
ETAWAH	13	8	6	42	11	31	MATHURA	81	64	16	84	85	80							
FAIZABAD	3	0	0	3	4	6	MAU	0	0	0	0	0	0							
FARRUKHABAD	2	0	0	1	0	1	MEERUT	16	5	4	3	9	0							
FATEHPUR	36	14	21	31	22	62	MIRZAPUR	6	5	2	0	2	0							
FIROZABAD	14	5	0	5	7	10	MORADABA D	8	3	0	4	21	7							

(d) Delhi

District	15 Sep- 28 Oct					
	2020	2021	2022	2023	2024	2025
CENTRAL	0	0	0	0	0	0
EAST	0	0	0	0	0	0
NEW DELHI	0	0	0	0	0	0
NORTH	2	0	5	2	8	3
NORTH EAST	0	0	0	0	0	0
NORTH WEST DELHI	3	0	0	0	4	0
SHAHADRA	0	0	0	0	0	0
SOUTH	1	0	0	0	0	0
SOUTH EAST	0	0	0	0	0	0
SOUTH WEST DELHI	0	0	0	0	0	0
WEST DELHI	2	0	0	0	0	0
Total	8	0	5	2	12	3

(e) Rajasthan

District	15 Sep- 28 Oct					
	2020	2021	2022	2023	2024	2025
AJMER	2	0	0	0	0	1
ALWAR	4	0	0	0	0	4
BANSWARA	0	0	0	0	0	1
BARAN	122	0	26	265	190	80
BARMER	3	0	0	0	0	2
BHARATPUR	2	0	0	2	7	6
BHILWARA	5	0	0	0	0	0
BIKANER	1	0	0	0	0	3
BUNDI	45	5	70	135	125	101
CHITTAURGARH	0	4	2	8	2	4
CHURU	0	0	0	0	0	1
DAUSA	0	0	0	0	0	0
DHOLPUR	0	0	0	0	0	0
DUNGARPUR	0	0	0	0	0	0
GANGANAGAR	9	2	9	15	27	17
HANUMANGARH	270	52	29	78	150	191
JAIPUR	2	0	0	0	0	0
JAISELMER	3	0	0	0	0	6
JALOR	0	0	0	0	0	1
JHALAWAR	2	0	2	8	1	2
JHUNJHUNUN	1	0	0	0	0	2
JODHPUR	2	0	0	0	0	4
KARALI	1	0	0	0	0	0
KOTA	62	3	36	146	79	67
NAGOUR	0	0	0	0	0	4
PALI	2	0	0	0	0	14
PRATAPGARH	5	0	0	0	0	0
RAJSMAND	0	0	0	0	0	0
SIKAR	0	0	0	0	0	1
SIROHI	1	0	0	0	0	1
SWAIMADHOPUR	26	0	16	44	40	29
TONK	3	0	0	0	0	0
UDAIPUR	0	0	0	0	0	2
Total	573	66	190	701	621	544

(f) Madhya Pradesh

District	15 Sep- 28 Oct													
	2020	2021	2022	2023	2024	2025	PANNA	12	1	0	3	6	1	
ALIRAJPUR	0	0	0	0	0	0	RAISEN	125	5	14	57	16	0	
ANUPPUR	0	0	0	0	0	0	RAJGARH	9	1	3	9	1	1	
ASHOKNAGAR	63	2	12	115	202	23	RATLAM	0	0	0	1	0	0	
BALAGHAT	0	0	0	0	0	0	REWA	27	2	2	2	0	0	
BARWANI	0	0	0	0	1	2	SAGAR	22	18	20	53	46	38	
BETUL	10	3	1	8	7	2	SATNA	77	12	2	18	8	3	
BHIND	43	1	14	44	33	17	SEHORE	37	17	34	52	20	41	
BHOPAL	25	6	7	19	4	4	SEONI	363	225	68	134	36	21	
BURHANPUR	0	0	0	3	0	0	SHAHDOL	0	0	0	2	1	0	
CHHATARPUR	4	0	0	3	2	0	SHAJAPUR	7	0	0	11	12	18	
CHHINDWARA	30	15	10	20	4	6	SHEOPUR	144	2	29	329	10	7	
DAMOH	48	18	16	34	26	12	SHIVPURI	53	2	11	51	109	12	
DATIA	228	10	20	202	68	14	SIDHI	0	0	0	0	0	0	
DEWAS	4	0	0	8	5	12	SINGRAULI	0	0	1	0	6	21	
DHAR	26	0	0	29	12	19	TIKAMGARH	3	0	0	3	0	0	
DINDORI	0	0	0	1	0	0	UJJAIN	5	0	0	14	8	7	
EAST NIMAR	13	5	5	4	2	23	UMARIA	0	0	0	0	1	0	
GUNA	39	2	36	299	409	55	VIDESHA	86	15	23	63	62	16	
GWALIOR	273	4	5	53	20	18	WEST NIMAR	26	1	2	17	4	5	
HARDA	12	18	7	25	8	11	Total	2332	518	448	2039	1329	483	
HOSHANGABAD	330	76	63	204	47	17								
INDORE	3	0	0	12	12	5								
JABALPUR	63	18	12	50	40	10								
JHABUA	0	0	0	0	0	0								
KATNI	36	1	0	13	2	3								
MANDLA	6	15	4	4	1	1								
MANDSAUR	6	0	0	2	16	2								
MORENA	37	5	3	38	29	22								
NARSHIMAPURA	37	18	24	30	32	11								
NIMACH	0	0	0	0	1	3								

State-wise and date-wise number of paddy residue burning events detected in 2020 ,2021 ,2022, 2023, 2024 and 2025

(Period: 15 September -28 October)

Number of Paddy Residue Burning Events Detected

Date	Punjab						Haryana						Uttar Pradesh					
	2020	2021	2022	2023	2024	2025	2020	2021	2022	2023	2024	2025	2020	2021	2022	2023	2024	2025
15-Sep	5	0	14	0	11	5	2	0	0	1	1	1	1	0	0	0	0	1
16-Sep	0	2	0	6	0	18	1	0	0	1	0	0	0	0	0	2	0	0
17-Sep	5	0	1	0	5	11	3	0	0	0	1	0	0	0	0	0	1	0
18-Sep	17	9	7	0	2	12	0	0	1	0	0	1	0	1	0	0	0	1
19-Sep	30	5	18	0	0	1	2	0	0	1	0	1	0	1	0	0	0	1
20-Sep	67	8	10	0	13	1	6	0	0	2	1	0	2	0	0	0	0	1
21-Sep	54	0	56	1	21	8	2	0	0	2	13	0	1	0	0	1	2	0
22-Sep	34	0	30	0	11	6	1	0	0	2	18	0	1	0	0	0	0	2
23-Sep	49	0	3	1	6	8	0	0	0	3	12	0	1	0	0	0	0	4
24-Sep	78	5	0	0	12	5	0	0	0	0	6	1	1	1	0	1	0	0
25-Sep	184	11	0	0	12	4	11	0	0	1	18	1	5	0	0	1	0	2
26-Sep	190	19	0	3	5	1	5	0	0	2	5	0	8	0	0	0	0	4
27-Sep	78	37	0	21	0	2	8	0	0	9	5	1	4	1	0	0	3	1
28-Sep	55	28	0	33	0	8	6	1	0	8	0	0	1	6	0	4	0	10
29-Sep	63	64	0	68	21	5	9	4	0	17	0	1	6	10	0	6	0	14
30-Sep	116	27	8	81	10	0	22	2	0	26	1	0	13	13	10	18	0	1
01-Oct	165	13	45	123	26	0	15	4	1	21	3	0	7	13	3	17	0	4
02-Oct	141	0	83	119	16	0	30	2	7	24	20	0	12	0	36	7	9	0
03-Oct	110	9	75	105	8	0	8	6	8	17	6	0	4	3	29	8	7	1
04-Oct	162	23	65	95	9	0	29	2	7	29	9	0	8	0	2	9	0	9
05-Oct	161	18	130	98	5	0	17	3	24	24	8	0	14	2	0	14	1	32
06-Oct	171	42	85	91	3	0	30	0	26	19	23	0	12	1	0	18	17	0
07-Oct	197	72	62	32	18	0	32	11	6	13	14	0	41	13	0	5	11	0
08-Oct	95	108	19	92	20	0	29	27	0	55	13	0	25	11	0	27	16	3
09-Oct	121	114	3	58	33	1	20	39	1	14	10	1	15	20	0	13	10	5
10-Oct	232	150	4	10	123	6	33	95	2	28	38	2	9	54	0	34	56	25
11-Oct	377	64	45	26	143	14	90	51	0	21	55	1	23	28	0	50	87	42

25-Sep	0	0	0	0	0	0	1	0	0	0	3	0	0	0	0	1	0	1
26-Sep	0	0	0	1	0	0	1	0	0	0	0	0	2	0	0	0	2	2
27-Sep	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
28-Sep	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	0	1
29-Sep	0	0	0	0	0	0	3	0	0	6	0	1	0	4	0	5	0	3
30-Sep	1	0	0	0	0	0	1	0	0	4	2	0	5	0	0	11	0	0
01-Oct	0	0	0	0	0	0	4	1	1	4	1	0	13	0	1	8	3	0
02-Oct	1	0	0	0	0	0	7	0	3	4	3	0	12	0	1	1	0	0
03-Oct	0	0	0	0	0	0	9	0	2	5	0	0	5	1	5	5	2	1
04-Oct	0	0	0	0	0	0	15	0	0	22	0	1	4	2	0	12	0	2
05-Oct	0	0	2	0	0	0	14	0	1	11	2	5	13	1	0	18	2	0
06-Oct	1	0	0	0	0	0	16	0	0	9	1	0	37	1	0	7	12	0
07-Oct	0	0	0	0	0	0	14	1	1	7	4	0	31	1	0	9	17	5
08-Oct	0	0	0	0	0	0	11	0	0	9	1	1	17	2	0	18	7	5
09-Oct	0	0	0	0	0	0	12	0	0	17	1	1	15	4	0	24	2	7
10-Oct	0	0	0	0	3	1	14	1	0	26	3	9	18	10	0	52	1	20
11-Oct	0	0	0	1	0	0	21	7	1	21	6	1	32	2	0	24	17	6
12-Oct	0	0	0	0	2	0	24	1	2	1	13	0	44	1	1	1	5	6
13-Oct	0	0	0	0	1	0	7	5	2	28	10	8	21	2	7	32	5	18
14-Oct	0	0	0	0	1	1	16	1	1	15	20	17	15	11	1	26	7	18
15-Oct	0	0	0	0	0	1	9	8	2	34	23	30	8	27	2	66	11	41
16-Oct	1	0	0	0	1	0	12	2	4	18	100	21	23	13	2	51	112	33
17-Oct	0	0	0	0	0	0	26	0	4	12	16	15	63	1	11	31	51	16
18-Oct	0	0	1	0	3	0	37	2	12	11	30	39	88	0	15	13	71	11
19-Oct	0	0	0	0	0	0	27	5	12	31	25	24	49	1	12	65	46	43
20-Oct	0	0	0	0	0	0	26	4	4	57	11	38	9	21	7	131	24	44
21-Oct	2	0	0	0	0	0	32	2	6	34	21	41	112	30	18	147	53	58
22-Oct	0	0	0	0	0	0	29	5	12	57	36	39	183	29	31	119	93	35
23-Oct	1	0	0	0	0	0	23	7	20	29	50	43	204	32	70	89	194	14
24-Oct	0	0	2	0	0	0	20	4	7	38	11	23	150	34	26	132	32	52
25-Oct	1	0	0	0	0	0	18	2	4	47	49	115	144	60	0	159	94	16
26-Oct	0	0	0	0	1	0	34	3	21	59	54	36	178	55	57	320	170	21

27-Oct	0	0	0	0	0	0	42	1	21	73	60	29	294	62	38	256	130	2
28-Oct	0	0	0	0	0	0	45	4	46	12	65	6	537	110	143	202	160	0
Total	8	0	5	2	12	3	573	66	190	701	621	544	2332	518	448	2039	1329	483

Details of residue burning events in Punjab on 28-Oct-2025

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	AMRITSAR	AJNALA	S-NPP	31.90001	74.85339	14:28:30	D	11.60
2	AMRITSAR	TARSIKKA	S-NPP	31.67374	75.13754	14:28:30	D	6.20
3	BARNALA	MAHAL KALAN	S-NPP	30.46329	75.51929	12:48:56	D	4.60
4	BATHINDA	PHUL	S-NPP	30.32452	75.27042	14:28:30	D	7.60
5	BATHINDA	PHUL	S-NPP	30.32484	75.27689	14:28:30	D	13.40
6	BATHINDA	TALWANDI SABO	S-NPP	30.00095	75.12838	12:48:56	D	4.90
7	BATHINDA	TALWANDI SABO	S-NPP	30.02232	74.92751	12:48:56	D	6.80
8	FARIDKOT	KOT KAPURA	S-NPP	30.55787	74.71291	12:48:56	D	4.30
9	FIROZPUR	GHALL KHURD	S-NPP	30.88435	74.66308	14:28:30	D	4.00
10	FIROZPUR	GURUHAR SAHAI	S-NPP	30.74249	74.43001	14:28:30	D	4.00
11	FIROZPUR	GURUHAR SAHAI	S-NPP	30.76043	74.29011	14:28:30	D	3.70
12	FIROZPUR	ZIRA	S-NPP	30.99920	74.88707	14:28:30	D	4.80
13	GURDASPUR	QADIAN	S-NPP	31.83923	75.28741	12:48:56	D	2.20
14	HOSHIARPUR	GARH SHANKAR	S-NPP	31.27823	75.97708	12:48:56	D	1.80
15	JALANDHAR	LOHIAN	S-NPP	31.08124	75.20390	12:48:56	D	6.70
16	JALANDHAR	LOHIAN	S-NPP	31.08190	75.20338	12:48:56	D	10.20
17	JALANDHAR	LOHIAN	S-NPP	31.08655	75.20212	12:48:56	D	6.70
18	JALANDHAR	MEHATPUR	S-NPP	30.99236	75.43256	12:48:56	D	2.40
19	KAPURTHALA	NADALA	S-NPP	31.53633	75.40044	01:38:56	N	1.50
20	LUDHIANA	JAGRAON	S-NPP	30.60948	75.40401	12:48:56	D	5.60
21	LUDHIANA	MALOUD	S-NPP	30.62148	75.99477	12:48:56	D	5.50
22	LUDHIANA	MALOUD	S-NPP	30.62262	75.99506	12:48:56	D	4.90
23	LUDHIANA	RAIKOT	S-NPP	30.61016	75.67215	12:48:56	D	4.50
24	MOGA	MOGA 1	S-NPP	30.80615	75.33062	01:38:56	N	1.00
25	PATIALA	NABHA	S-NPP	30.30129	76.19656	12:48:56	D	3.50
26	PATIALA	NABHA	S-NPP	30.30215	76.20016	12:48:56	D	4.60
27	SANGRUR	ANDANA	S-NPP	29.78460	75.85168	12:48:56	D	7.80
28	SANGRUR	ANDANA	S-NPP	29.79082	75.85388	12:48:56	D	10.10
29	SANGRUR	BHAWANIGARH	S-NPP	30.31031	75.97829	14:28:30	D	6.10

30	SANGRUR	DHURI	S-NPP	30.41397	75.82866	14:28:30	D	4.10
31	SANGRUR	SANGRUR	S-NPP	30.26398	75.88245	14:28:30	D	9.90
32	SANGRUR	SANGRUR	S-NPP	30.26504	75.88124	14:28:30	D	11.00
33	SANGRUR	SHER PUR	S-NPP	30.30511	75.70509	14:28:30	D	5.10
34	SANGRUR	SHER PUR	S-NPP	30.39397	75.68378	14:28:30	D	7.70
35	SANGRUR	SUNAM	S-NPP	30.14190	75.77600	14:28:30	D	6.00
36	SANGRUR	SUNAM	S-NPP	30.14298	75.77002	14:28:30	D	5.80
37	SANGRUR	SUNAM	S-NPP	30.14327	75.77694	14:28:30	D	8.90
38	SANGRUR	SUNAM	S-NPP	30.14835	75.76878	14:28:30	D	6.00
39	SAS NAGAR	MAJRI	S-NPP	30.56545	76.67661	12:48:56	D	1.10
40	TARN TARAN	CHOHLA SAHIB	S-NPP	31.26682	75.06577	14:28:30	D	4.00
41	TARN TARAN	KHADUR SAHIB	S-NPP	31.37330	75.13473	14:28:30	D	11.70
42	TARN TARAN	KHADUR SAHIB	S-NPP	31.45087	75.05347	12:48:56	D	1.70
43	TARN TARAN	NAUSHERA PANNUAN	S-NPP	31.42326	74.91872	12:48:56	D	4.80

Details of residue burning events in Haryana on 28-Oct-2025

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	SIRSA	DABWALI	S-NPP	29.97761	74.79823	01:38:56	N	0.60

Details of residue burning events in Rajasthan on 28-Oct-2025

S. No.	District	Tehsil / Block	Satellite	Latitude	Longitude	ACQ_TIME	Day / Night	Fire Power (W/m2)
1	HANUMANGARH	HANUMANGARH	S-NPP	29.58864	74.40044	14:32:00	D	5.97
2	HANUMANGARH	HANUMANGARH	S-NPP	29.65281	74.23943	12:52:00	D	4.33
3	HANUMANGARH	PILIBANGA	S-NPP	29.44971	74.02006	14:32:00	D	2.50
4	HANUMANGARH	SANGHRIYA	S-NPP	29.82533	74.33810	12:52:00	D	3.70
5	HANUMANGARH	TIBI	S-NPP	29.63478	74.54482	14:32:00	D	3.56
6	JAISELMER	FATEHGARH	TERRA	26.79141	71.36671	10:23:00	D	7.01

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

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