

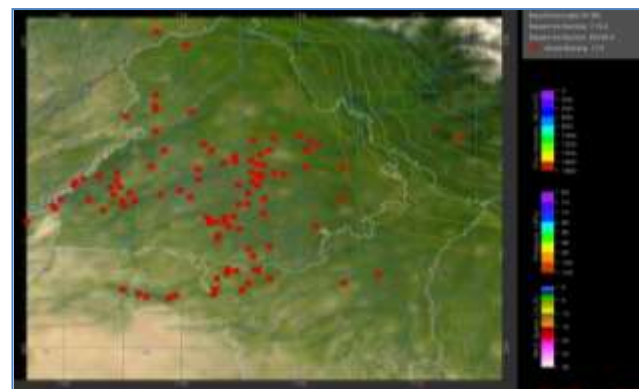


MONITORING PADDY RESIDUE BURNING IN NORTH INDIA USING SATELLITE REMOTE SENSING DURING 2020

**Bulletin
No. 8**

**Events Date:
08-Oct-2020**

**Issued on:
09-Oct-2020**



Prepared by:

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

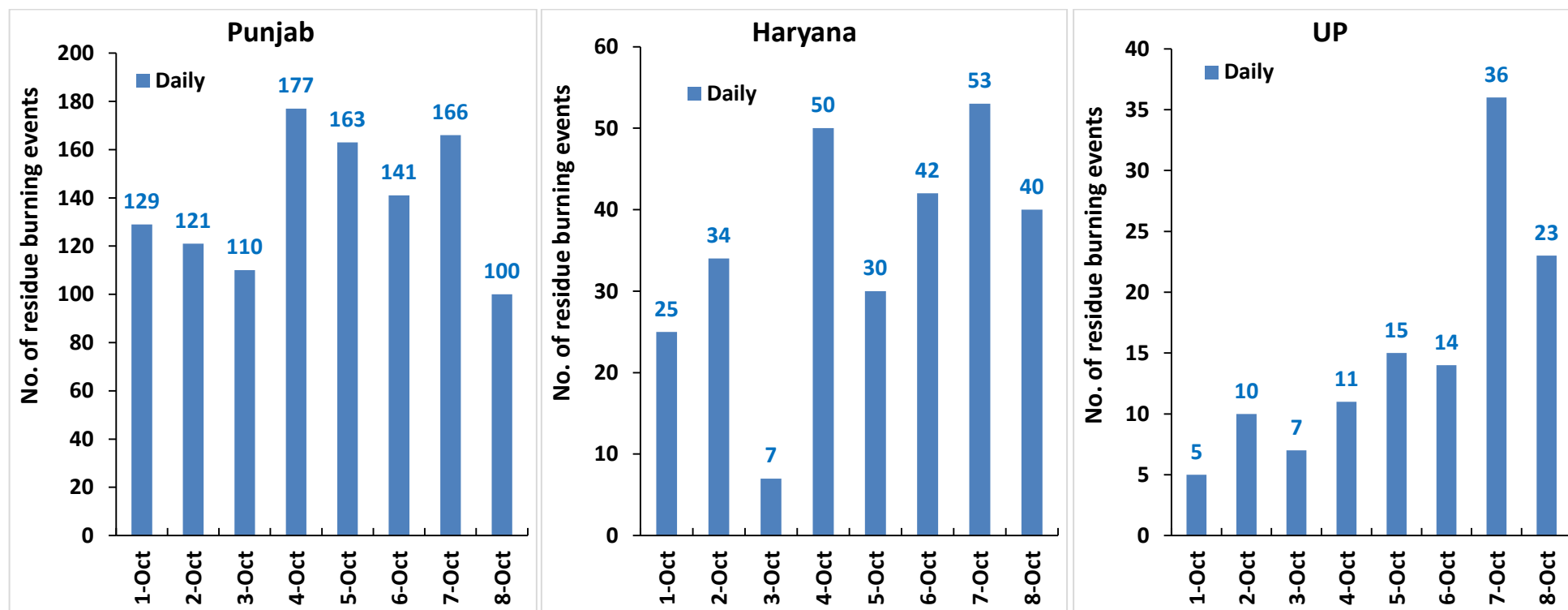
<http://creams.iari.res.in>



Highlights for 08-October-2020

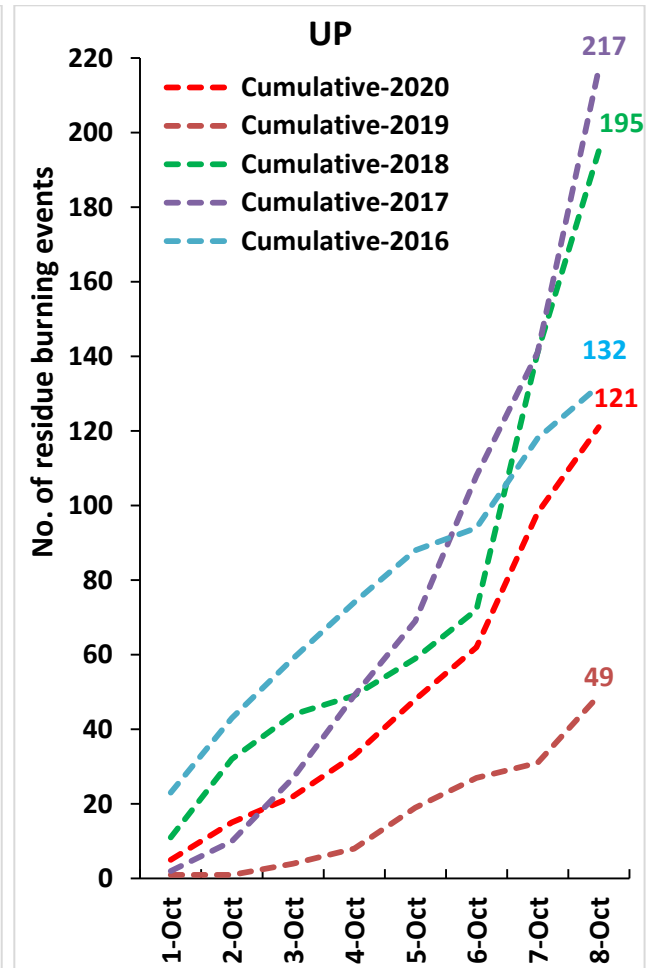
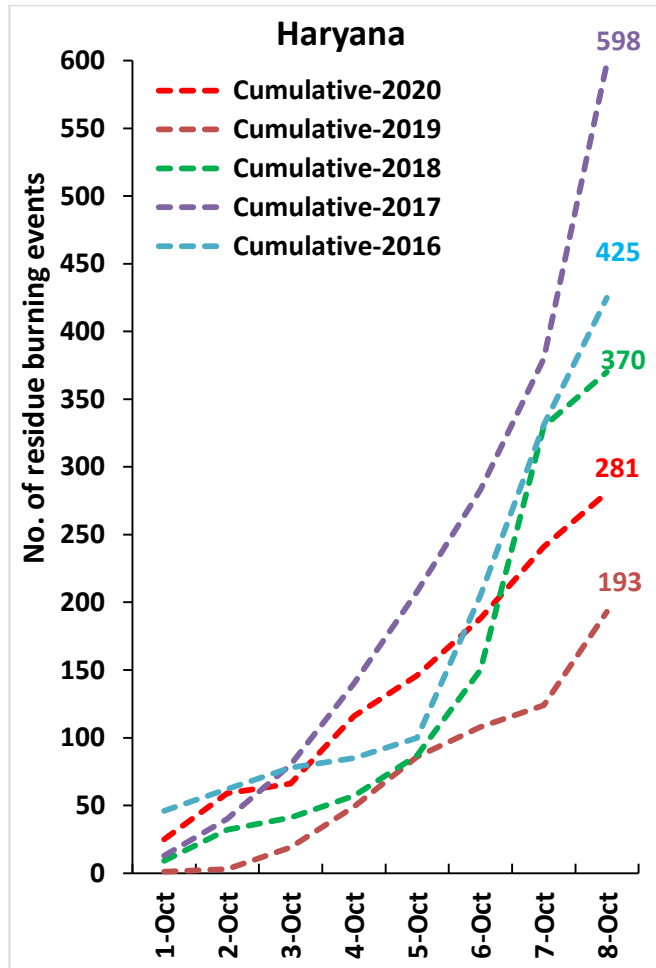
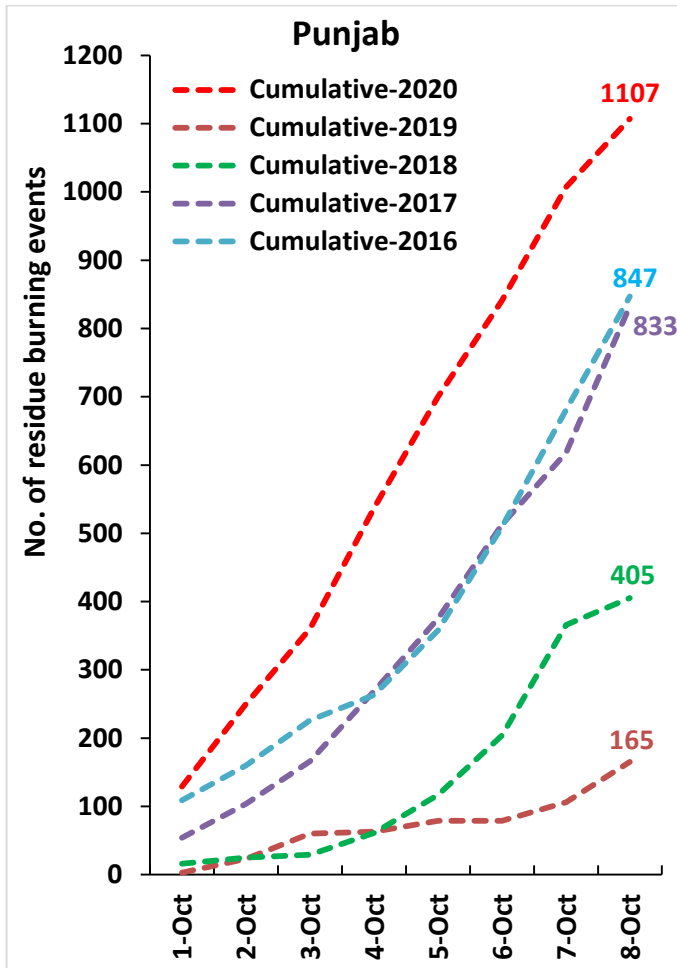
- Satellites detected **163** residue burning events in the three study States on 08-Oct-2020.
- The state wise events detected on 08-Oct-2020 were **100** in Punjab, **40** in Haryana and **23** in UP.
- In Punjab, burning/fire events were concentrated in Amritsar, Tarn Taran and Patiala districts.
- In Haryana and Uttar Pradesh, the burning events were scattered.
- Total **1509** burning events were detected in the three States between **01-Oct-2020** and **08-Oct-2020**, which are distributed as **1107**, **281** and **121** in Punjab, Haryana and UP, respectively.
- In all the three states, the cumulative number of burning events between 1-Oct and 8-Oct 2020 were higher than in 2019.

Temporal distribution of residue burning events for the three study States in 2020

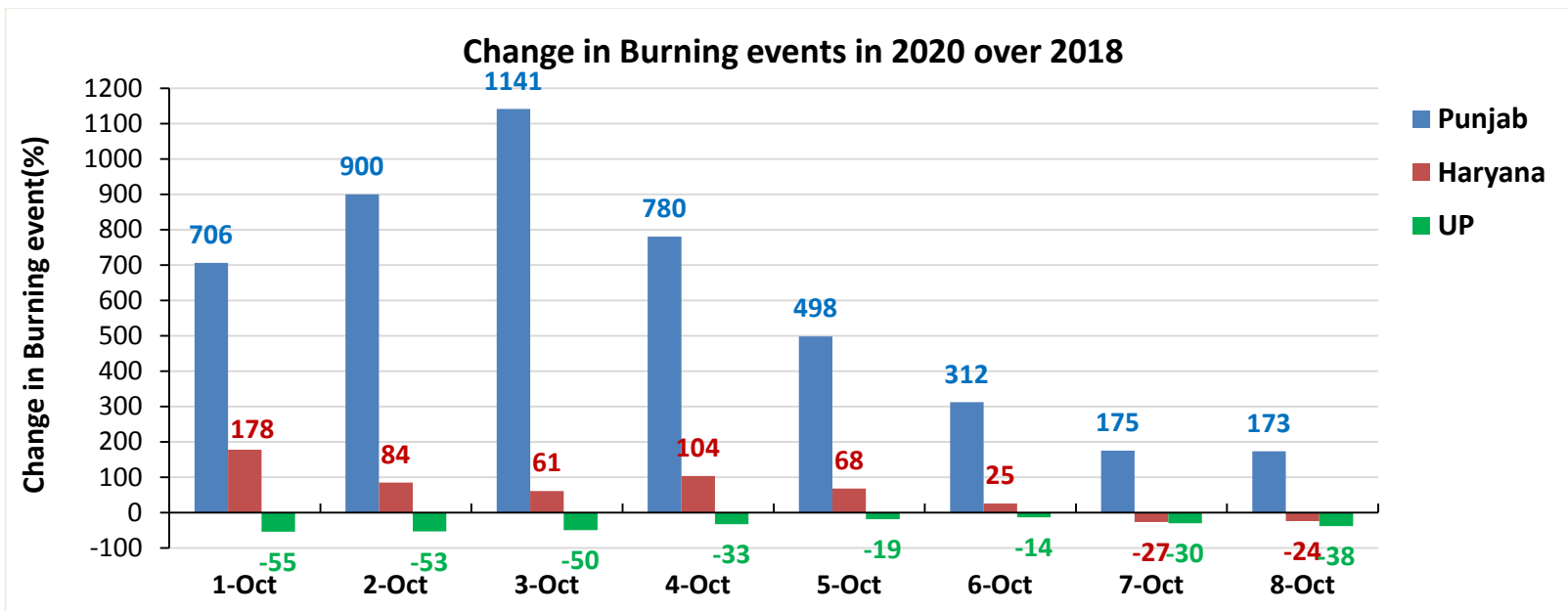
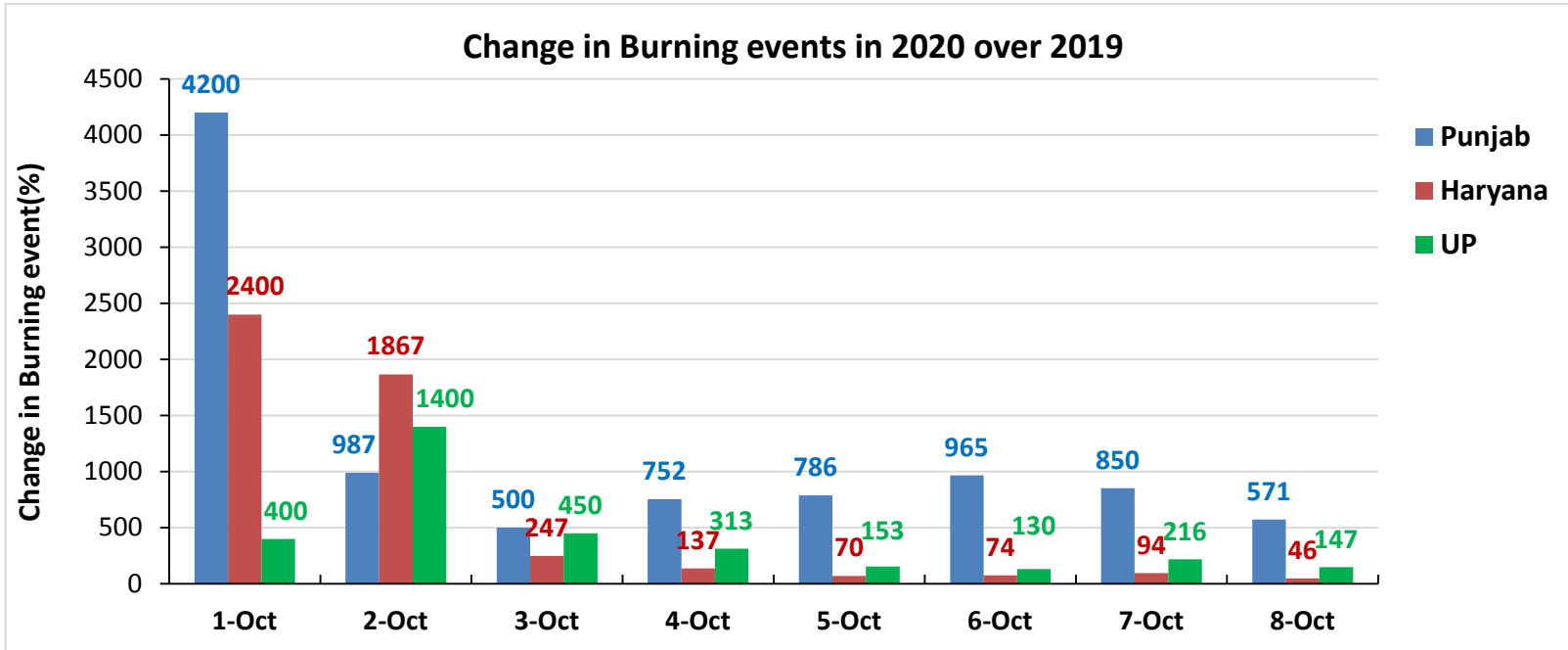


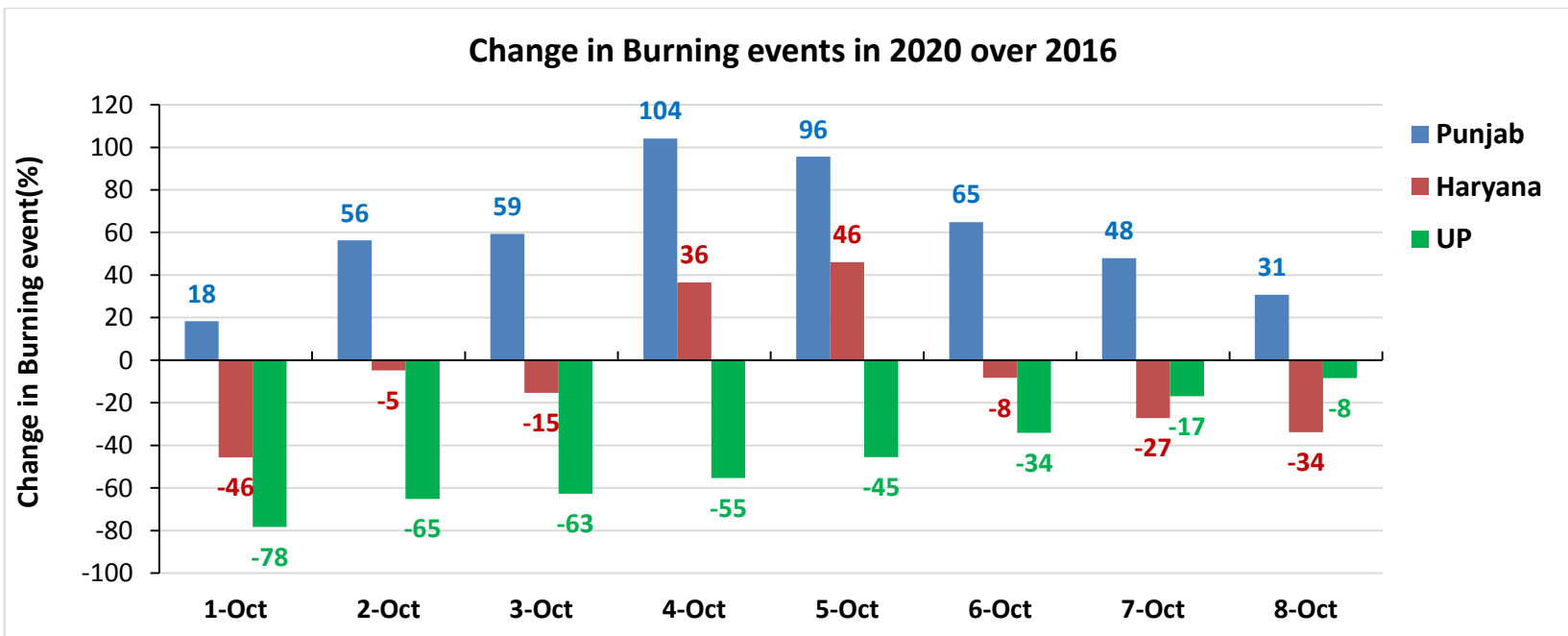
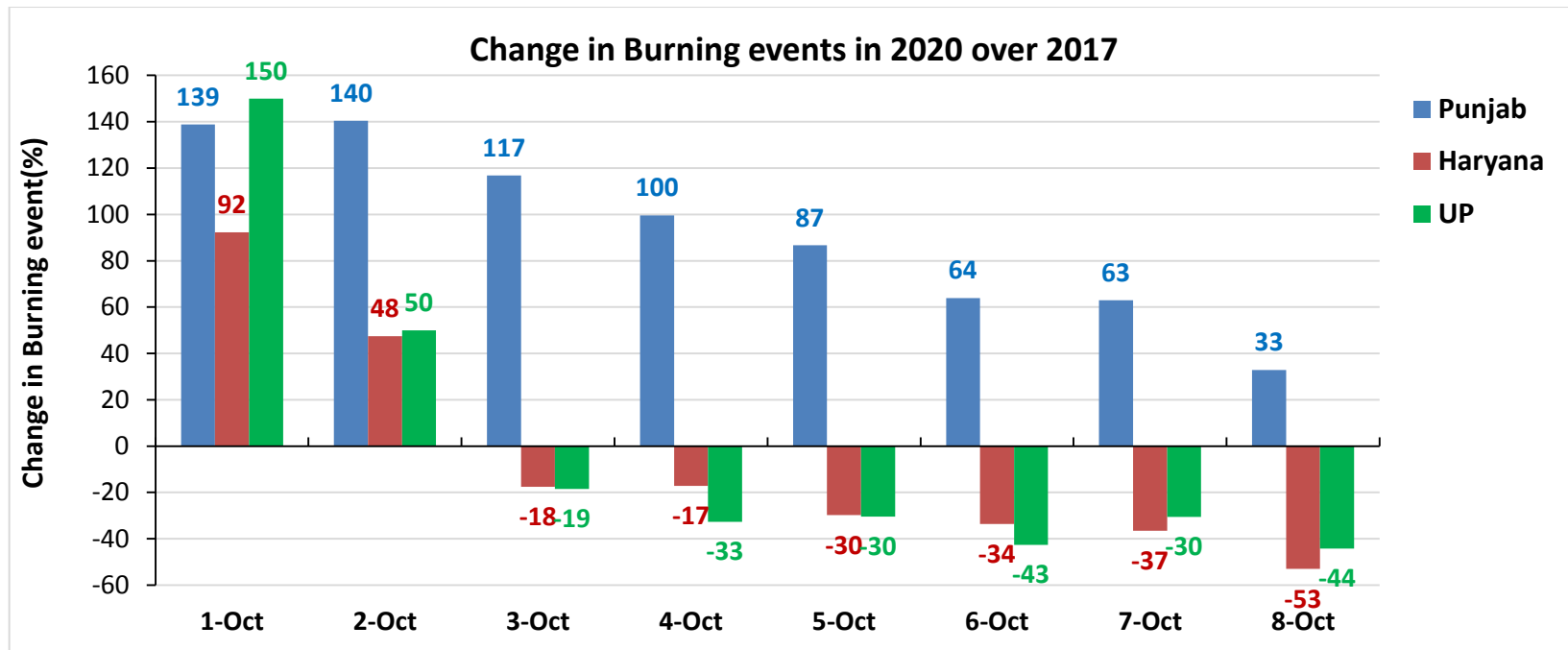
Comparison of residue burning events in current year (2020) with previous years (2019, 2018, 2017 & 2016) for the three study States

(01-Oct to 08-Oct)

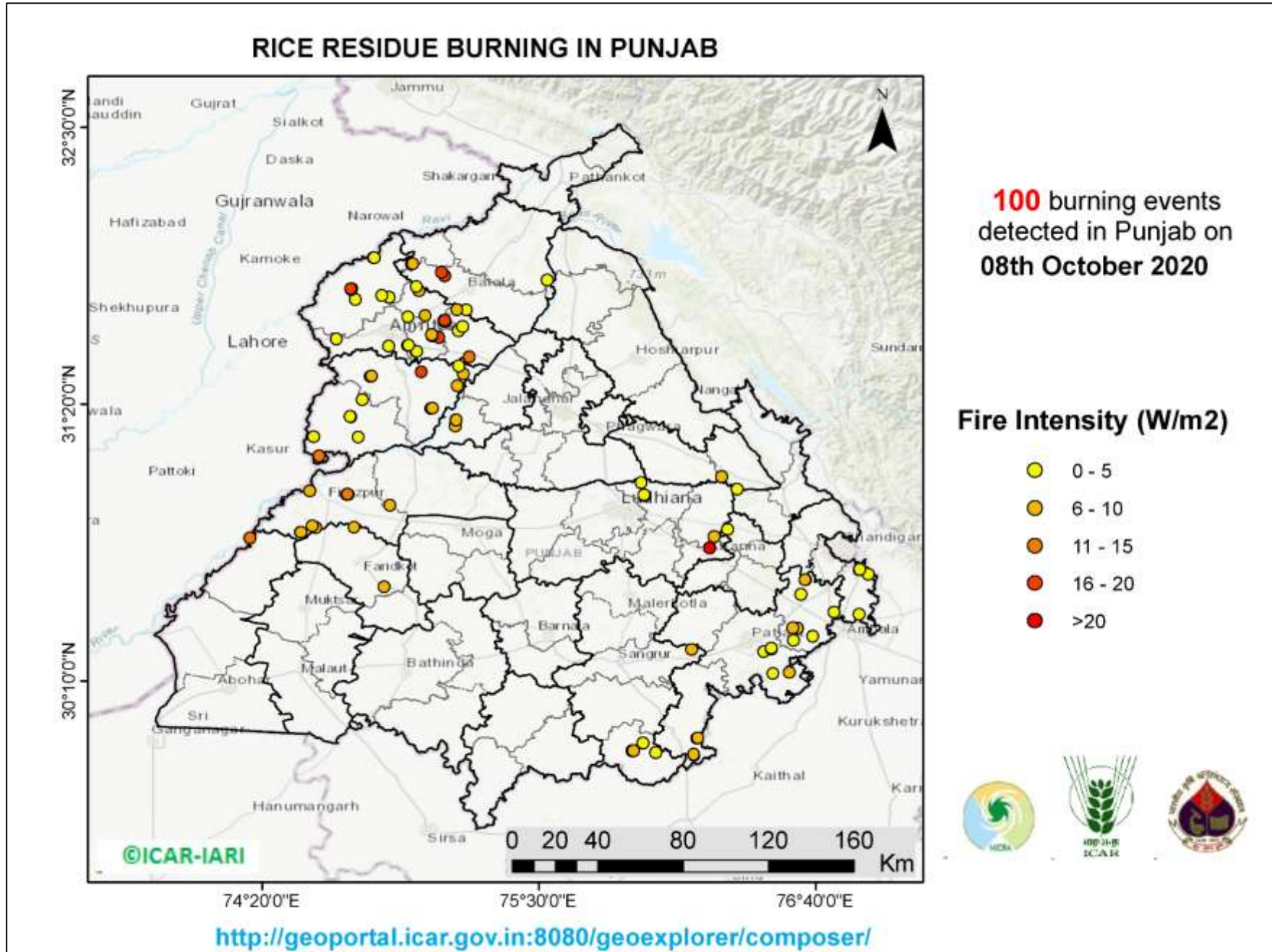


Percent Change in Burning events in 2020 over 2019, 2018, 2017 and 2016 (Daily Cumulative)

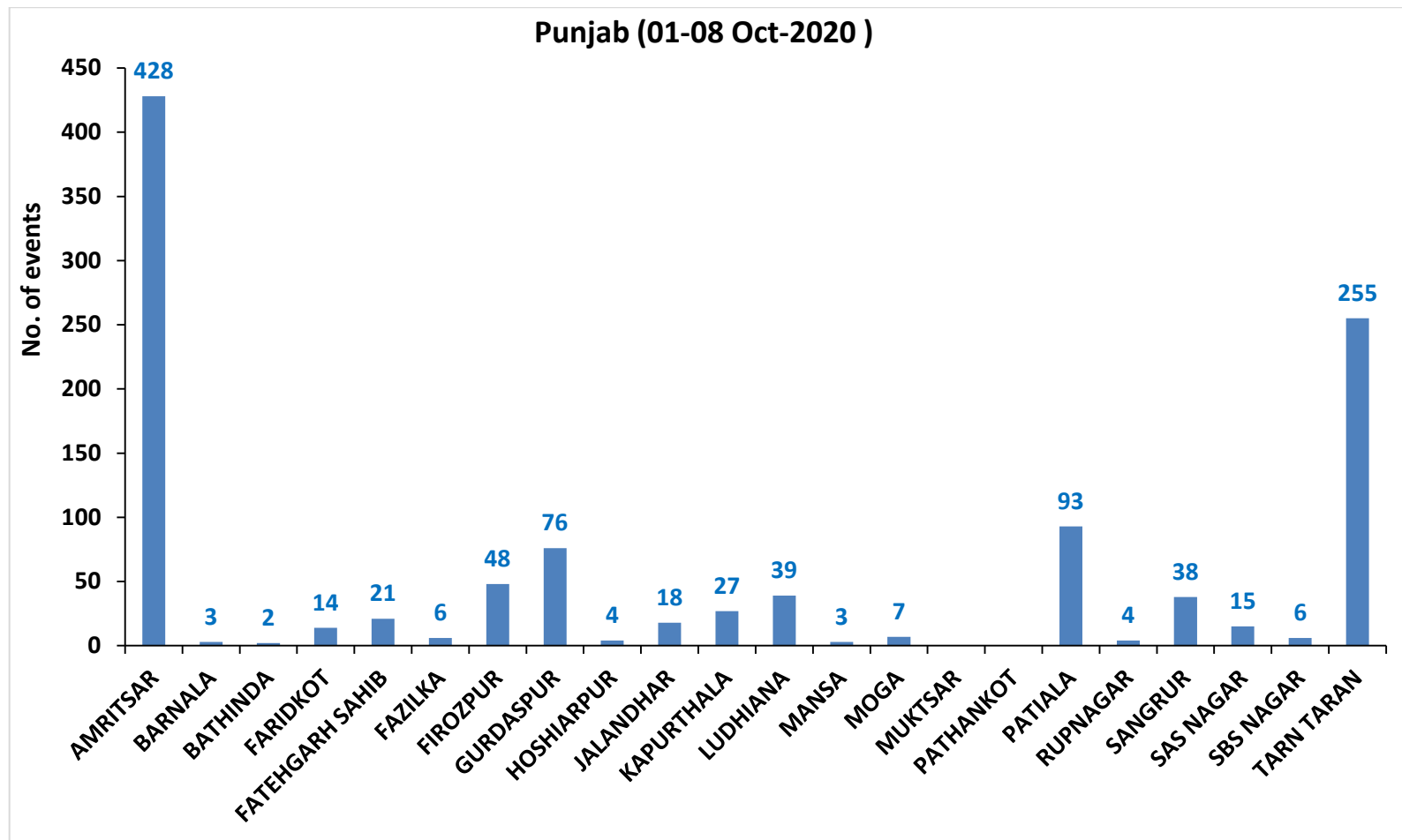




(a) Punjab

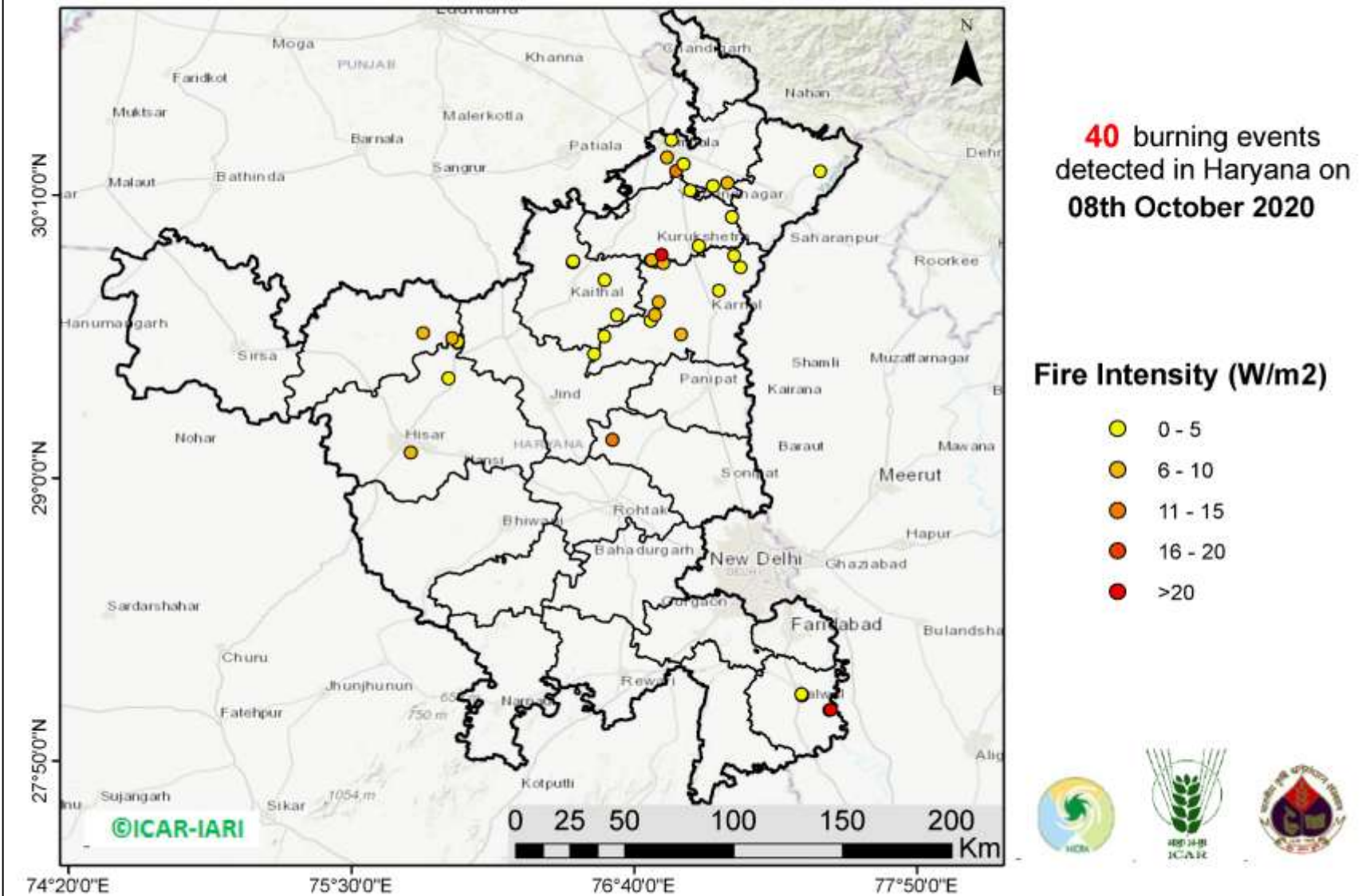


District-wise cumulative number of residue burning events in Punjab (01-08 Oct-2020)



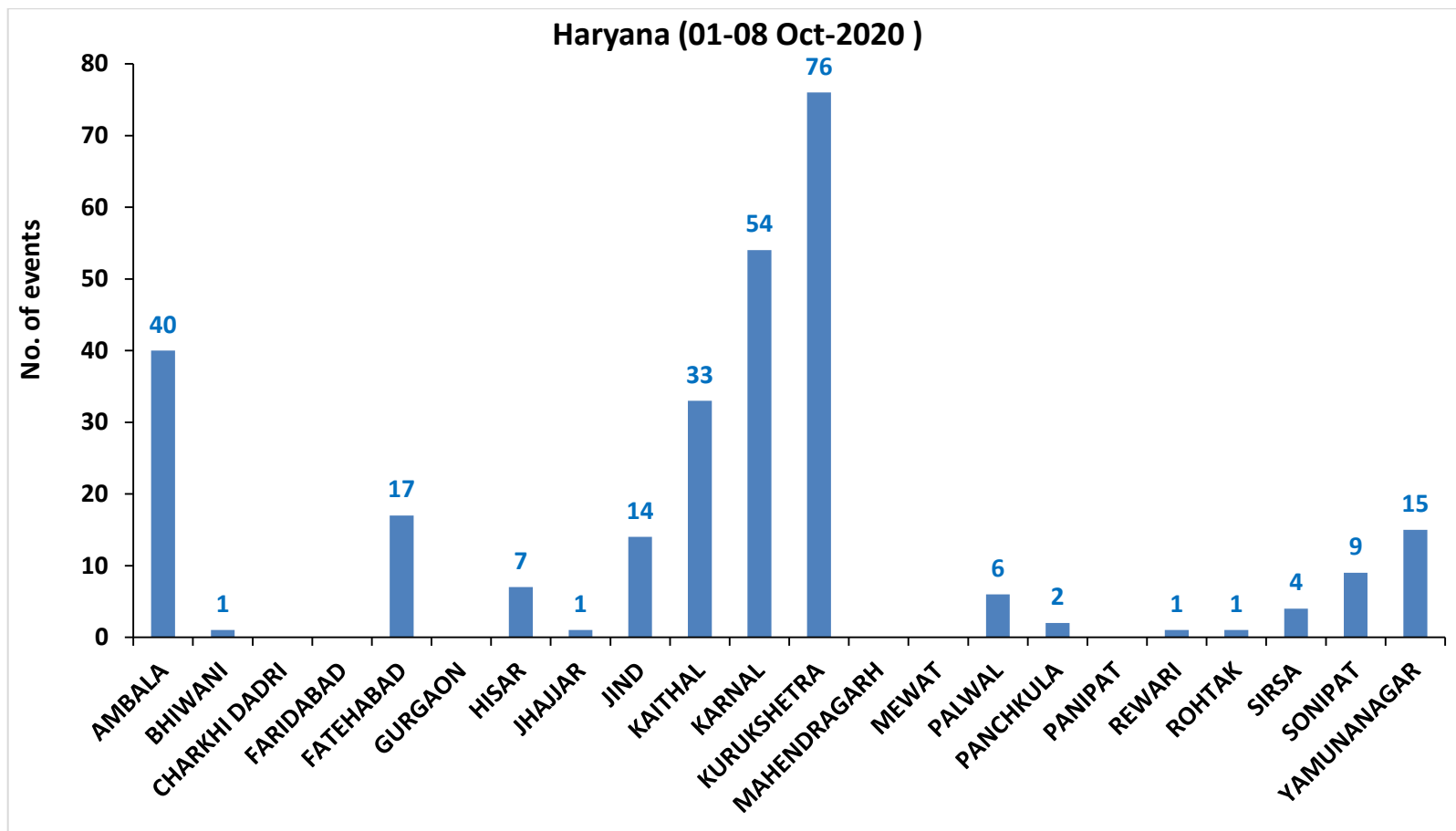
(b) Haryana

RICE RESIDUE BURNING IN HARYANA



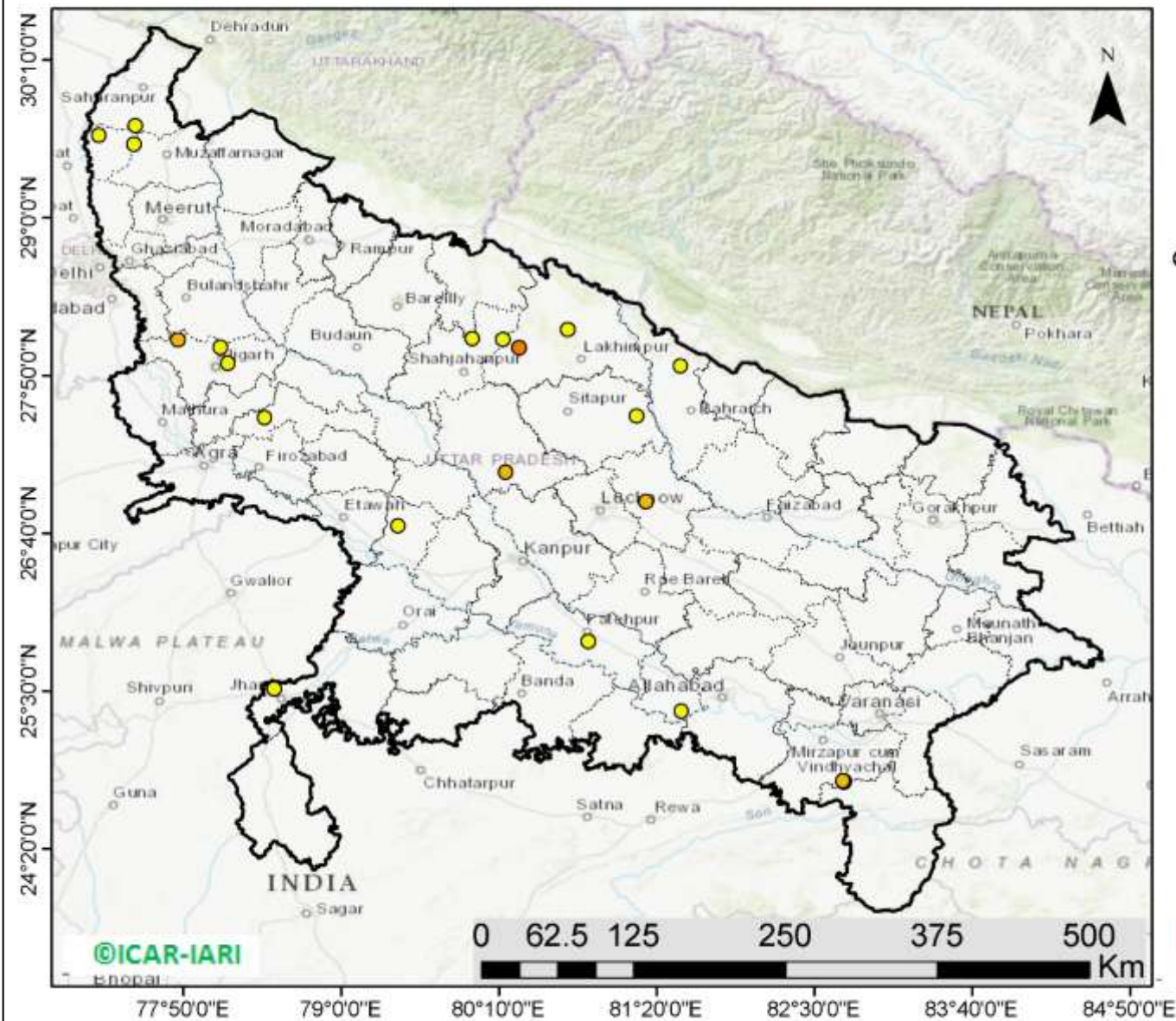
<http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

District-wise cumulative number of residue burning events in Haryana (01-08 Oct-2020)



(c) Uttar Pradesh

RICE RESIDUE BURNING IN UTTAR PRADESH



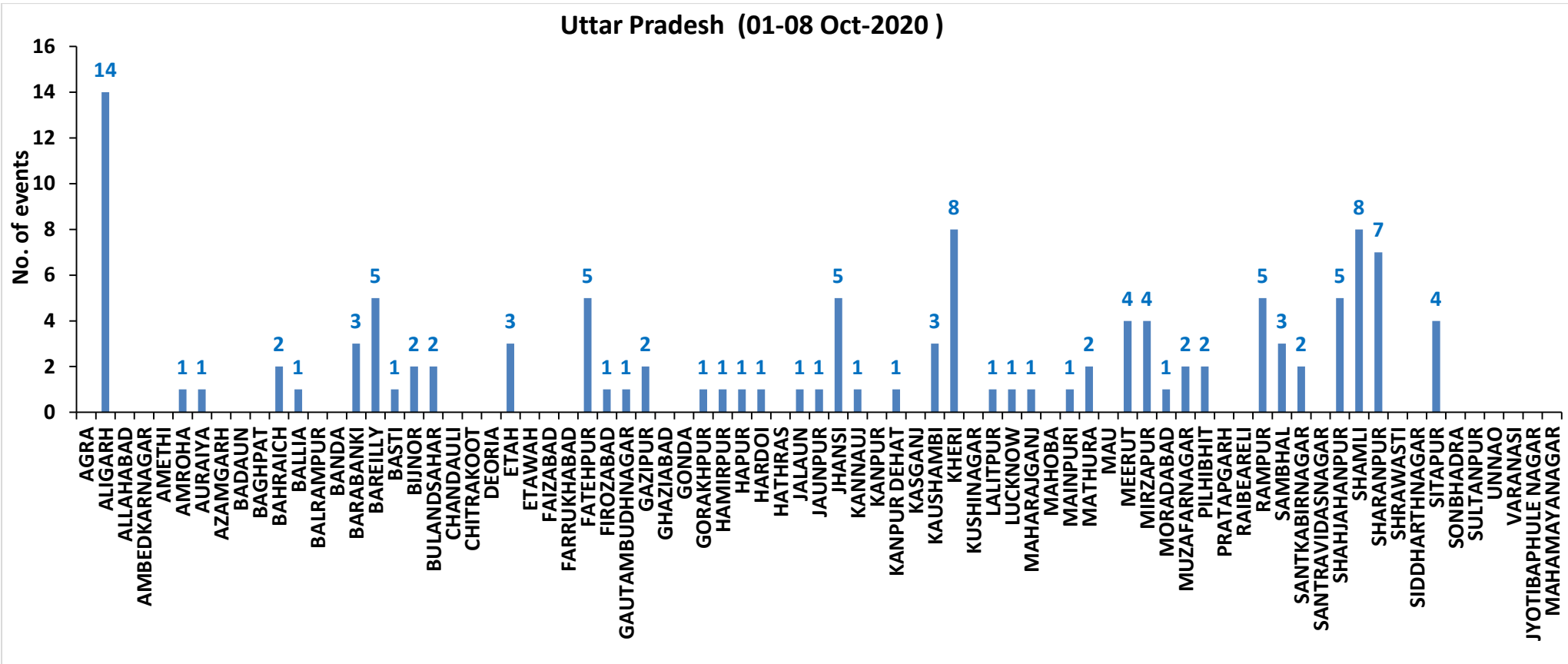
23 burning events detected in Uttar Pradesh on 08th October 2020

Fire Intensity (W/m²)

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

<http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

District-wise cumulative number of residue burning events in Uttar Pradesh (01-08 Oct-2020)



State-wise and date-wise number of residue burning events detected in 2016, 2017, 2018, 2019 and 2020
(Period: 01-08 October)

Date	Punjab					Haryana					UP					Total				
	2020	2019	2018	2017	2016	2020	2019	2018	2017	2016	2020	2019	2018	2017	2016	2020	2019	2018	2017	2016
01-Oct	129	3	16	54	109	25	1	9	13	46	5	1	11	2	23	159	5	36	69	178
02-Oct	121	20	9	50	51	34	2	23	27	16	10	0	21	8	20	165	22	53	85	87
03-Oct	110	37	4	62	66	07	16	9	40	16	07	3	12	17	16	124	56	25	119	98
04-Oct	177	3	32	103	37	50	30	16	60	7	11	4	5	22	15	238	37	53	185	59
05-Oct	163	16	56	106	95	30	37	30	68	15	15	11	10	20	14	208	64	96	194	124
06-Oct	141	0	87	138	152	42	22	63	75	105	14	8	13	39	6	197	30	163	252	263
07-Oct	166	27	162	105	171	53	16	180	97	126	36	4	69	33	24	255	47	411	235	321
08-Oct	100	59	39	215	166	40	69	40	218	94	23	18	54	76	14	163	146	133	509	274
Total	1107	165	405	833	847	281	193	370	598	425	121	49	195	217	132	1509	407	970	1648	1404

District-wise and date wise cumulative number of residue burning events detected in 2016, 2017, 2018, 2019 and 2020
(Period: 01-08 October)

(a) Punjab

Districts	01-08 Oct				
	2016	2017	2018	2019	2020
AMRITSAR	261	273	236	79	428
BARNALA	1	1	0	0	3
BATHINDA	20	13	12	0	2
FARIDKOT	28	42	0	0	14
FATEHGARH					
SAHIB	56	19	5	0	21
FAZILKA	0	0	0	2	6
FIROZPUR	46	57	15	3	48
GURDASPUR	21	17	18	6	76
HOSHIARPUR	6	4	3	2	4
JALANDHAR	46	41	0	3	18
KAPURTHALA	42	12	1	0	27
LUDHIANA	28	67	14	4	39
MANSA	8	7	1	5	3
MOGA	5	5	0	2	7
MUKTSAR	28	8	2	1	0
PATHANKOT	0	0	0	0	0
PATIALA	61	73	27	14	93
RUPNAGAR	2	2	0	0	4
SANGRUR	15	42	17	2	38
SAS NAGAR	10	14	9	2	15
SBS NAGAR	13	8	4	2	6
TARN TARAN	150	128	41	38	255
Total	847	833	405	165	1107

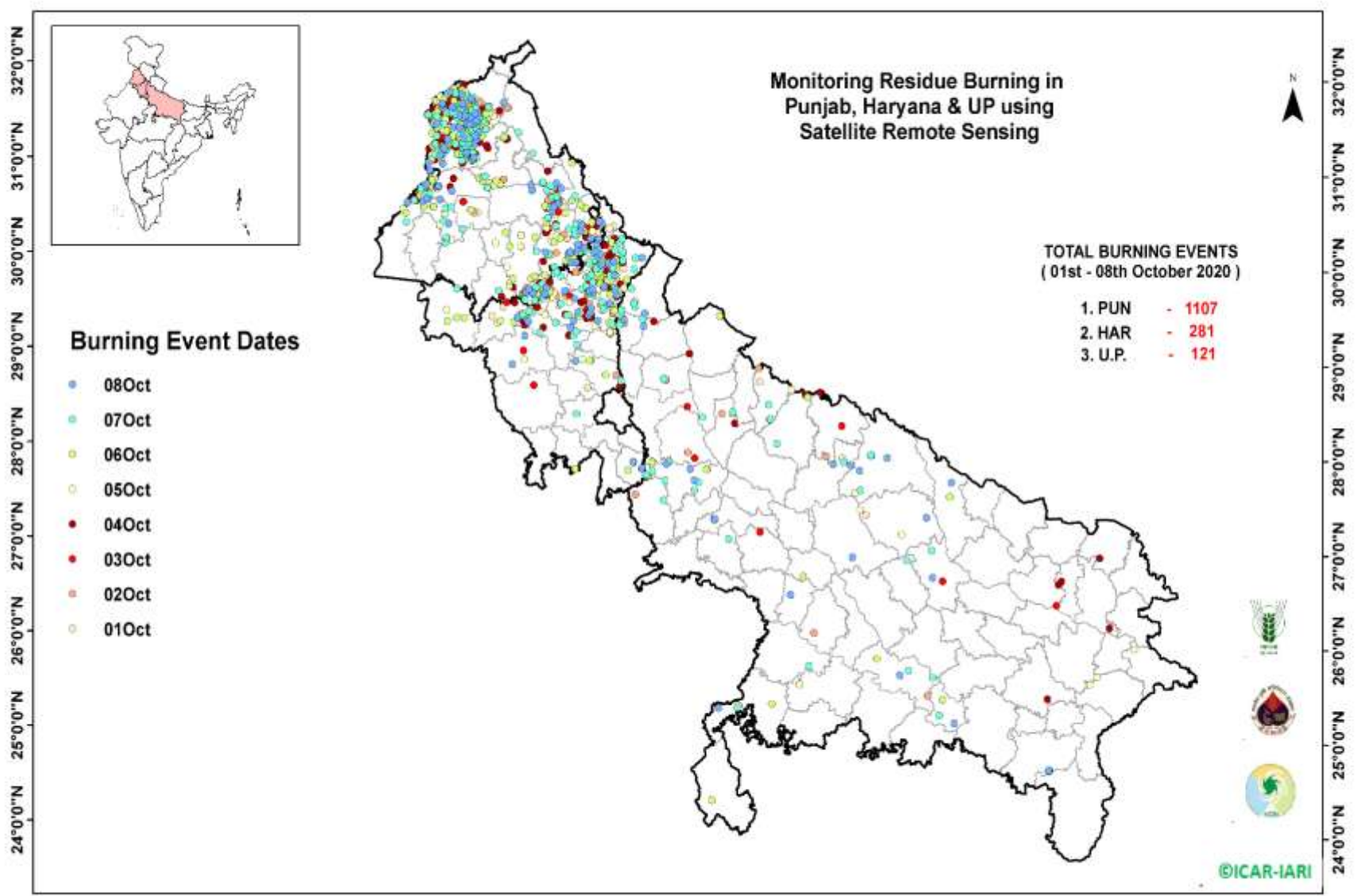
(b) Haryana

Districts	01-08 Oct				
	2016	2017	2018	2019	2020
AMBALA	24	44	29	3	40
BHIWANI	0	1	0	0	1
CHARKHI DADRI	0	0	0	0	0
FARIDABAD	2	4	12	1	0
FATEHABAD	4	26	7	6	17
GURGAON	0	0	0	0	0
HISAR	3	4	4	1	7
JHAJJAR	0	0	3	1	1
JIND	11	23	17	3	14
KAITHAL	110	93	51	42	33
KARNAL	168	206	96	81	54
KURUKSHETRA	84	155	101	44	76
MAHENDRAGARH	0	0	0	0	0
MEWAT	0	0	0	0	0
PALWAL	0	0	0	1	6
PANCHKULA	0	0	3	3	2
PANIPAT	6	11	21	1	0
REWARI	0	0	0	0	1
ROHTAK	0	0	0	0	1
SIRSA	8	5	4	0	4
SONIPAT	0	7	3	0	9
YAMUNANAGAR	5	19	19	6	15
Total	425	598	370	193	281

(C)
Uttar Pradesh

Districts	01-08 Oct																
	2016	2017	2018	2019	2020	GAUTAMBUDHNAGAR	0	0	0	0	1	MUZAFARNAGAR	0	2	1	1	2
AGRA	0	0	0	0	0	GAZIPUR	1	0	1	0	2	PILHIBHIT	4	13	2	2	2
ALIGARH	0	5	4	0	14	GHAZIABAD	0	0	0	0	0	PRATAPGARH	9	20	16	9	0
ALLAHABAD	0	0	3	0	0	GONDA	0	1	2	0	0	RAIBEARELI	0	0	0	0	0
AMBEDKARNAGAR	0	0	0	0	0	GORAKHPUR	0	0	0	0	1	RAMPUR	0	0	0	0	5
AMETHI	0	0	0	0	0	HAMIRPUR	0	0	3	0	1	SAMBHAL	42	18	20	1	3
AMROHA	0	0	0	0	1	HAPUR	0	0	1	0	1	SANTKABIRNAGAR	2	1	4	1	2
AURAIYA	21	18	13	0	1	HARDOI	0	0	0	0	1	SANTRAVIDASNAGAR	0	0	0	1	0
AZAMGARH	0	0	0	0	0	HATHRAS	0	0	2	0	0	SHAHJAHANPUR	0	0	0	0	5
BADAUN	0	0	0	0	0	JALAUN	0	0	0	0	1	SHAMLI	29	95	55	9	8
BAGHPAT	0	0	0	0	0	JAUNPUR	0	0	0	0	1	SHARANPUR	0	0	0	2	7
BAHRAICH	0	0	1	0	2	JHANSI	0	0	0	0	5	SHRAWASTI	0	0	0	0	0
BALLIA	0	0	0	1	1	KANNAUJ	0	0	0	0	1	SIDDHARTHANAGAR	0	0	0	0	0
BALRAMPUR	0	0	0	0	0	KANPUR	0	0	1	0	0	SITAPUR	3	0	1	0	4
BANDA	0	0	1	0	0	KANPUR DEHAT	0	0	0	0	1	SONBHADRA	3	1	2	0	0
BARABANKI	2	1	13	0	3	KASGANJ	0	0	0	0	0	SULTANPUR	0	0	0	0	0
BAREILLY	8	1	3	3	5	KAUSHAMBI	0	0	0	0	3	UNNAO	0	0	0	0	0
BASTI	0	0	0	0	1	KHERI	0	1	5	0	8	VARANASI	0	0	0	0	0
BIJNOR						KUSHINAGAR						JYOTIBAPHULE NAGAR					
	0	0	0	0	2		4	30	17	9	0		0	0	0	0	0
BULANDSAHAR	0	0	1	0	2	LALITPUR	0	0	0	0	1	MAHAMAYANAGAR	0	0	0	0	0
CHANDAULI	0	1	2	1	0	LUCKNOW	0	0	0	0	1	Total	132	217	195	49	121
CHITRAKOOT	0	0	0	0	0	MAHARAJGANJ	2	3	0	1	1						
DEORIA	0	0	0	0	0	MAHOBAB	0	0	1	0	0						
ETAH	0	0	0	0	3	MAINPURI	0	0	0	0	1						
ETAWAH	0	1	2	0	0	MATHURA	0	0	2	0	2						
FAIZABAD	0	0	0	0	0	MAU	1	3	14	3	0						
FARRUKHABAD	0	1	0	0	0	MEERUT	0	0	0	0	4						
FATEHPUR	0	0	0	0	5	MIRZAPUR	1	0	0	2	4						
FIROZABAD	0	0	1	0	1	MORADABAD	0	1	1	3	1						

Map of Cumulative Burning Events (01-08 Oct 2020)



[\(http://geoportal.icar.gov.in:8080/geoexplorer/composer/\)](http://geoportal.icar.gov.in:8080/geoexplorer/composer/)

Details of residue burning events in Punjab on 08-Oct-2020

S. No.	District	Tehsil / Block	Satellite	Longitude	Latitude	Time (IST)	Day / Night	Fire Power (W/m ²)
1	AMRITSAR	AJNALA	S-NPP	74.72724	31.77541	13:00:00	D	4.70
2	AMRITSAR	AJNALA	S-NPP	74.87094	31.78329	13:00:00	D	2.80
3	AMRITSAR	AJNALA	S-NPP	74.83971	31.79076	13:00:00	D	1.90
4	AMRITSAR	AJNALA	S-NPP	74.70930	31.81502	13:00:00	D	25.60
5	AMRITSAR	AJNALA	S-NPP	74.71138	31.81860	13:00:00	D	22.90
6	AMRITSAR	AJNALA	S-NPP	74.70792	31.81956	13:00:00	D	15.10
7	AMRITSAR	AJNALA	S-NPP	74.80378	31.94998	13:00:00	D	4.80
8	AMRITSAR	AJNALA	S-NPP	74.80606	31.95058	13:00:00	D	4.10
9	AMRITSAR	AMRITSAR I	S-NPP	74.98360	31.55486	13:00:00	D	4.00
10	AMRITSAR	AMRITSAR I	S-NPP	74.98605	31.55524	13:00:00	D	4.70
11	AMRITSAR	AMRITSAR I	S-NPP	75.04939	31.62206	13:00:00	D	4.10
12	AMRITSAR	AMRITSAR I	S-NPP	75.04807	31.62653	13:00:00	D	7.80
13	AMRITSAR	AMRITSAR I	S-NPP	75.10221	31.68159	13:00:00	D	14.10
14	AMRITSAR	AMRITSAR I	S-NPP	75.10517	31.68176	13:00:00	D	7.90
15	AMRITSAR	AMRITSAR I	S-NPP	75.10090	31.68605	13:00:00	D	14.10
16	AMRITSAR	AMRITSAR I	S-NPP	75.10385	31.68621	13:00:00	D	18.30
17	AMRITSAR	AMRITSAR I	S-NPP	74.99461	31.81075	13:00:00	D	8.60
18	AMRITSAR	AMRITSAR I	S-NPP	74.98392	31.82745	13:00:00	D	3.90
19	AMRITSAR	AMRITSAR II	S-NPP	74.86700	31.57694	13:00:00	D	1.90
20	AMRITSAR	AMRITSAR II	S-NPP	74.94724	31.58033	13:00:00	D	4.90
21	AMRITSAR	AMRITSAR II	S-NPP	74.95266	31.58153	13:00:00	D	4.90
22	AMRITSAR	AMRITSAR II	S-NPP	74.64773	31.60838	13:00:00	D	4.10
23	AMRITSAR	AMRITSAR II	S-NPP	74.94897	31.69994	13:00:00	D	4.70
24	AMRITSAR	AMRITSAR II	S-NPP	75.02134	31.70642	13:00:00	D	9.10
25	AMRITSAR	BABA BAKALA	AQUA	75.20800	31.53300	14:10:00	D	14.50
26	AMRITSAR	BABA BAKALA	AQUA	75.08000	31.61400	14:10:00	D	17.00
27	AMRITSAR	BABA BAKALA	S-NPP	75.16191	31.64203	13:00:00	D	4.00
28	AMRITSAR	BABA BAKALA	S-NPP	75.17896	31.65994	13:00:00	D	2.50
29	AMRITSAR	BABA BAKALA	S-NPP	75.19402	31.73038	13:00:00	D	2.50
30	AMRITSAR	BABA BAKALA	S-NPP	75.15481	31.73117	13:00:00	D	5.70
31	FARIDKOT	FARIDKOT	S-NPP	74.84809	30.56299	13:00:00	D	5.70

32	FARIDKOT	FARIDKOT	S-NPP	74.72192	30.81337	13:00:00	D	6.40
33	FATEHGARH SAHIB	KHAMANOH	S-NPP	76.29543	30.80554	13:00:00	D	3.30
34	FAZILKA	JALALABAD	S-NPP	74.28423	30.76984	13:00:00	D	11.70
35	FIROZPUR	FIROZPUR	S-NPP	74.49547	30.79295	13:00:00	D	7.50
36	FIROZPUR	FIROZPUR	S-NPP	74.49734	30.79344	13:00:00	D	5.80
37	FIROZPUR	FIROZPUR	S-NPP	74.55886	30.81244	13:00:00	D	7.80
38	FIROZPUR	FIROZPUR	S-NPP	74.56088	30.81251	13:00:00	D	6.30
39	FIROZPUR	FIROZPUR	S-NPP	74.54433	30.81913	13:00:00	D	6.80
40	FIROZPUR	FIROZPUR	S-NPP	74.69087	30.95126	13:00:00	D	6.00
41	FIROZPUR	FIROZPUR	S-NPP	74.69662	30.95252	13:00:00	D	8.70
42	FIROZPUR	FIROZPUR	S-NPP	74.69401	30.95301	13:00:00	D	13.10
43	FIROZPUR	FIROZPUR	S-NPP	74.53529	30.96683	13:00:00	D	7.80
44	FIROZPUR	ZIRA	S-NPP	74.87325	30.90812	13:00:00	D	6.40
45	GURDASPUR	BATALA	AQUA	75.10300	31.87400	14:10:00	D	17.10
46	GURDASPUR	BATALA	S-NPP	75.08987	31.88857	13:00:00	D	19.30
47	GURDASPUR	DERA BABA NANAK	S-NPP	74.96371	31.92311	13:00:00	D	8.40
48	GURDASPUR	DERA BABA NANAK	S-NPP	74.96904	31.92428	13:00:00	D	7.90
49	GURDASPUR	GURDASPUR	S-NPP	75.53598	31.85604	13:00:00	D	4.10
50	KAPURTHALA	SULTANPUR LODHI	S-NPP	75.14864	31.24202	13:00:00	D	5.50
51	KAPURTHALA	SULTANPUR LODHI	S-NPP	75.15124	31.26635	13:00:00	D	5.90
52	KAPURTHALA	SULTANPUR LODHI	S-NPP	75.15273	31.26676	13:00:00	D	7.90
53	LUDHIANA	KHANNA	AQUA	76.22000	30.72800	14:10:00	D	30.90
54	LUDHIANA	LUDHIANA EAST	S-NPP	75.94515	30.94601	13:00:00	D	6.30
55	LUDHIANA	LUDHIANA EAST	S-NPP	75.94393	30.95033	13:00:00	D	4.10
56	LUDHIANA	LUDHIANA EAST	S-NPP	75.93222	31.00217	13:00:00	D	3.10
57	LUDHIANA	SAMRALA	S-NPP	76.23895	30.77564	13:00:00	D	6.20
58	PATIALA	PATIALA	S-NPP	76.48757	30.19707	13:00:00	D	3.00
59	PATIALA	PATIALA	S-NPP	76.55516	30.20216	13:00:00	D	6.40
60	PATIALA	PATIALA	S-NPP	76.44893	30.28925	13:00:00	D	1.30
61	PATIALA	PATIALA	S-NPP	76.48053	30.30034	13:00:00	D	3.70
62	PATIALA	PATIALA	S-NPP	76.47937	30.30459	13:00:00	D	3.20
63	PATIALA	RAJPURA	S-NPP	76.57326	30.33747	13:00:00	D	1.50
64	PATIALA	RAJPURA	S-NPP	76.65580	30.35447	13:00:00	D	2.10

65	PATIALA	RAJPURA	S-NPP	76.58555	30.38748	13:00:00	D	5.30
66	PATIALA	RAJPURA	S-NPP	76.59013	30.38845	13:00:00	D	5.30
67	PATIALA	RAJPURA	TERRA	76.57000	30.39000	10:55:00	D	9.50
68	PATIALA	RAJPURA	S-NPP	76.74429	30.45601	13:00:00	D	3.00
69	PATIALA	RAJPURA	S-NPP	76.60516	30.53205	13:00:00	D	3.30
70	PATIALA	RAJPURA	S-NPP	76.62474	30.59287	13:00:00	D	9.50
71	PATIALA	RAJPURA	S-NPP	76.62202	30.59315	13:00:00	D	5.40
72	PATIALA	SAMANA	S-NPP	76.15513	29.85308	13:00:00	D	9.00
73	PATIALA	SAMANA	S-NPP	76.15392	29.85745	13:00:00	D	9.00
74	PATIALA	SAMANA	S-NPP	76.16660	29.92482	13:00:00	D	4.10
75	PATIALA	SAMANA	S-NPP	76.17152	29.92585	13:00:00	D	6.40
76	RUPNAGAR	CHAMKOR SAHIB	S-NPP	76.33532	30.97468	13:00:00	D	2.40
77	SANGRUR	MOONAK	S-NPP	75.99306	29.86490	13:00:00	D	3.50
78	SANGRUR	MOONAK	S-NPP	75.89409	29.87197	13:00:00	D	4.70
79	SANGRUR	MOONAK	S-NPP	75.89922	29.87305	13:00:00	D	7.10
80	SANGRUR	MOONAK	S-NPP	75.93893	29.90486	13:00:00	D	4.70
81	SANGRUR	SANGRUR	S-NPP	76.14493	30.29864	13:00:00	D	5.40
82	SAS NAGAR	DERABASSI	S-NPP	76.85040	30.44720	13:00:00	D	4.00
83	SAS NAGAR	DERABASSI	S-NPP	76.88918	30.61686	13:00:00	D	4.30
84	SAS NAGAR	DERABASSI	S-NPP	76.85150	30.63537	13:00:00	D	3.10
85	SAS NAGAR	DERABASSI	S-NPP	76.85352	30.63651	13:00:00	D	3.00
86	SBS NAGAR	BALACHAUR	S-NPP	76.27101	31.02829	13:00:00	D	6.80
87	TARN TARAN	KHADOOR SAHIB	S-NPP	75.04560	31.31481	13:00:00	D	5.80
88	TARN TARAN	KHADOOR SAHIB	S-NPP	75.05101	31.31599	13:00:00	D	7.20
89	TARN TARAN	KHADOOR SAHIB	S-NPP	75.15697	31.41139	13:00:00	D	8.20
90	TARN TARAN	KHADOOR SAHIB	S-NPP	74.79002	31.44942	13:00:00	D	5.10
91	TARN TARAN	KHADOOR SAHIB	S-NPP	74.79558	31.45066	13:00:00	D	6.30
92	TARN TARAN	KHADOOR SAHIB	S-NPP	75.18220	31.45966	13:00:00	D	5.40
93	TARN TARAN	KHADOOR SAHIB	S-NPP	75.00608	31.46861	13:00:00	D	16.80
94	TARN TARAN	KHADOOR SAHIB	S-NPP	75.16342	31.49407	13:00:00	D	4.20
95	TARN TARAN	PATTI	S-NPP	74.57545	31.11603	13:00:00	D	10.30
96	TARN TARAN	PATTI	S-NPP	74.74015	31.19362	13:00:00	D	4.00
97	TARN TARAN	PATTI	S-NPP	74.55054	31.19538	13:00:00	D	3.70

98	TARN TARAN	PATTI	S-NPP	74.70838	31.27964	13:00:00	D	5.00
99	TARN TARAN	PATTI	S-NPP	74.70550	31.28158	13:00:00	D	5.00
100	TARN TARAN	PATTI	S-NPP	74.75652	31.35171	13:00:00	D	4.40

Details of residue burning events in Haryana on 08-Oct-2020

S. No.	District	Tehsil / Block	Satellite	Longitude	Latitude	Time (IST)	Day / Night	Fire Power (W/m ²)
1	AMBALA	AMBALA	S-NPP	76.84087	30.26564	13:00:00	D	13.70
2	AMBALA	AMBALA	S-NPP	76.87087	30.29374	13:00:00	D	3.00
3	AMBALA	AMBALA	S-NPP	76.80279	30.32297	13:00:00	D	5.10
4	AMBALA	AMBALA	S-NPP	76.82158	30.39284	13:00:00	D	3.50
5	AMBALA	BARARA	S-NPP	76.99085	30.20409	13:00:00	D	2.50
6	AMBALA	BARARA	S-NPP	77.05214	30.21651	13:00:00	D	5.40
7	FATEHABAD	FATEHABAD	TERRA	75.79700	29.59700	10:55:00	D	8.30
8	FATEHABAD	TOHANA	S-NPP	75.91641	29.57769	13:00:00	D	9.10
9	HISAR	HISAR	METOP-1	75.74473	29.10415	21:22:00	N	7.00
10	HISAR	HISAR	S-NPP	75.90112	29.41191	13:00:00	D	1.70
11	HISAR	HISAR	S-NPP	75.93801	29.55879	13:00:00	D	4.10
12	HISAR	HISAR	S-NPP	75.93843	29.56221	13:00:00	D	3.90
13	JIND	JIND	S-NPP	76.50194	29.51153	13:00:00	D	4.50
14	KAITHAL	KAITHAL	S-NPP	76.54414	29.58433	13:00:00	D	4.10
15	KAITHAL	KAITHAL	S-NPP	76.59525	29.67211	13:00:00	D	2.60
16	KAITHAL	KAITHAL	S-NPP	76.54554	29.81735	13:00:00	D	3.50
17	KAITHAL	KAITHAL	S-NPP	76.41243	29.88982	13:00:00	D	5.20
18	KAITHAL	KAITHAL	S-NPP	76.41537	29.88986	13:00:00	D	3.50
19	KAITHAL	KAITHAL	S-NPP	76.41419	29.89416	13:00:00	D	3.50
20	KARNAL	GHARAUNDA	S-NPP	76.86046	29.59093	13:00:00	D	6.80
21	KARNAL	INDRI	S-NPP	77.10515	29.86907	13:00:00	D	2.60
22	KARNAL	INDRI	S-NPP	77.07973	29.91620	13:00:00	D	1.30
23	KARNAL	KARNAL	S-NPP	76.73499	29.64727	13:00:00	D	4.30
24	KARNAL	KARNAL	S-NPP	76.75234	29.67330	13:00:00	D	6.80
25	KARNAL	KARNAL	S-NPP	76.76738	29.72559	13:00:00	D	6.70
26	KARNAL	KARNAL	S-NPP	77.01710	29.77213	13:00:00	D	2.90
27	KURUKSHETRA	SHAHABAD	S-NPP	76.89799	30.18520	13:00:00	D	3.30
28	KURUKSHETRA	THANESAR	S-NPP	76.78622	29.88591	13:00:00	D	5.90
29	KURUKSHETRA	THANESAR	S-NPP	76.73483	29.89749	13:00:00	D	8.90
30	KURUKSHETRA	THANESAR	S-NPP	76.73941	29.89844	13:00:00	D	9.50
31	KURUKSHETRA	THANESAR	AQUA	76.78100	29.92000	14:10:00	D	26.20

32	KURUKSHETRA	THANESAR	S-NPP	76.93380	29.95625	13:00:00	D	1.60
33	PALWAL	PALWAL	S-NPP	77.47257	28.04247	13:00:00	D	8.60
34	PALWAL	PALWAL	S-NPP	77.47699	28.04338	13:00:00	D	38.90
35	PALWAL	PALWAL	S-NPP	77.35800	28.10346	13:00:00	D	3.90
36	PALWAL	PALWAL	S-NPP	77.35865	28.10630	13:00:00	D	7.20
37	PALWAL	PALWAL	S-NPP	77.35691	28.10769	13:00:00	D	3.90
38	SONIPAT	GOHANA	TERRA	76.57700	29.15800	11:00:00	D	11.20
39	YAMUNANAGAR	CHHACHHRAULII	S-NPP	77.43391	30.26348	13:00:00	D	2.90
40	YAMUNANAGAR	JAGADHRI	S-NPP	77.07046	30.07639	13:00:00	D	1.20

Details of residue burning events in Uttar Pradesh on 08-Oct-2020

S. No.	District	Tehsil / Block	Satellite	Longitude	Latitude	Time (IST)	Day / Night	Fire Power (W/m ²)
1	ALIGARH	GABHANA	S-NPP	78.10477	28.04256	01:42:00	N	1.10
2	ALIGARH	KHAIR	METOP-1	77.79267	28.09354	21:22:00	N	6.00
3	ALIGARH	KOL	S-NPP	78.16132	27.92406	01:42:00	N	0.40
4	AURAIYA	BIDHUNA	S-NPP	79.41991	26.72111	01:42:00	N	0.40
5	BAHRAICH	NANPARA	S-NPP	81.51099	27.90103	13:00:00	D	3.10
6	BARABANKI	NAWABGANJ	S-NPP	81.25374	26.89867	12:54:00	D	7.30
7	ETAH	JALESAR	S-NPP	78.43391	27.51829	13:00:00	D	1.60
8	FATEHPUR	FATEHPUR	S-NPP	80.82639	25.86734	12:54:00	D	1.70
9	HARDOI	BILGRAM	METOP-2	80.21913	27.11887	20:08:00	N	6.00
10	JHANSI	JHANSI	S-NPP	78.50577	25.51475	12:54:00	D	4.40
11	KAUSHAMBI	CHAIL	S-NPP	81.51698	25.35254	12:54:00	D	2.40
12	KHERI	LAKHIMPUR	S-NPP	80.67555	28.16949	13:00:00	D	3.00
13	KHERI	MOHMADI	S-NPP	80.31491	28.03736	13:00:00	D	10.90
14	MIRZAPUR	MARIHAN	S-NPP	82.71845	24.82594	12:54:00	D	24.50
15	MIRZAPUR	MARIHAN	S-NPP	82.71297	24.83211	12:54:00	D	4.30
16	MIRZAPUR	MARIHAN	S-NPP	82.72119	24.83347	12:54:00	D	7.40
17	MIRZAPUR	MARIHAN	S-NPP	82.71229	24.83553	12:54:00	D	9.50
18	SHAHJAHANPUR	PUWANYA	S-NPP	80.19625	28.09692	01:42:00	N	1.50
19	SHAHJAHANPUR	PUWANYA	S-NPP	79.97160	28.10370	01:42:00	N	1.30
20	SHAMLI	KAIRANA	S-NPP	77.20779	29.61006	13:00:00	D	2.70
21	SHAMLI	SHAMLI	S-NPP	77.46796	29.54325	13:00:00	D	2.10
22	SHARANPUR	RAMPUR MANIHARRAN	S-NPP	77.47824	29.67874	13:00:00	D	2.20
23	SITAPUR	BISWAN	S-NPP	81.18352	27.53267	13:00:00	D	4.30

The study used images received from following Satellites at IARI Satellite 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
4.	NOAA – 18	AVHRR	1000	Night
5.	NOAA – 19	AVHRR	1000	Night
6.	Metop - 1	AVHRR	1000	Night
7.	Metop - 2	AVHRR	1000	Night

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Softcopy of this report and latest statistics can be seen on <http://creams.iari.res.in>

GIS Maps of fire events can be visualized online on ICAR KRISHI Geoportal website: <http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

(Part of KRISHI Portal: <https://krishi.icar.gov.in> initiative)
