



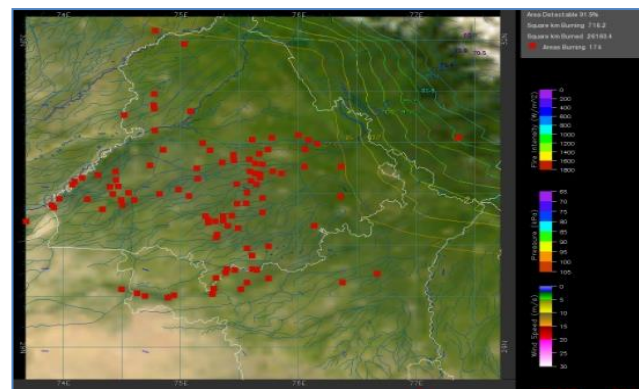
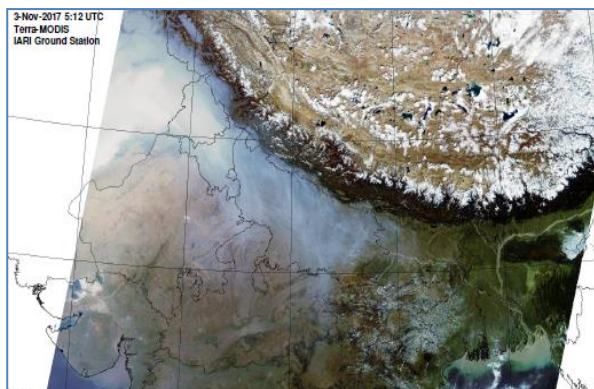
## Bulletin No. 3

Events Date:  
03-Oct-2020

Issued on:  
04-Oct-2020



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



Prepared by:

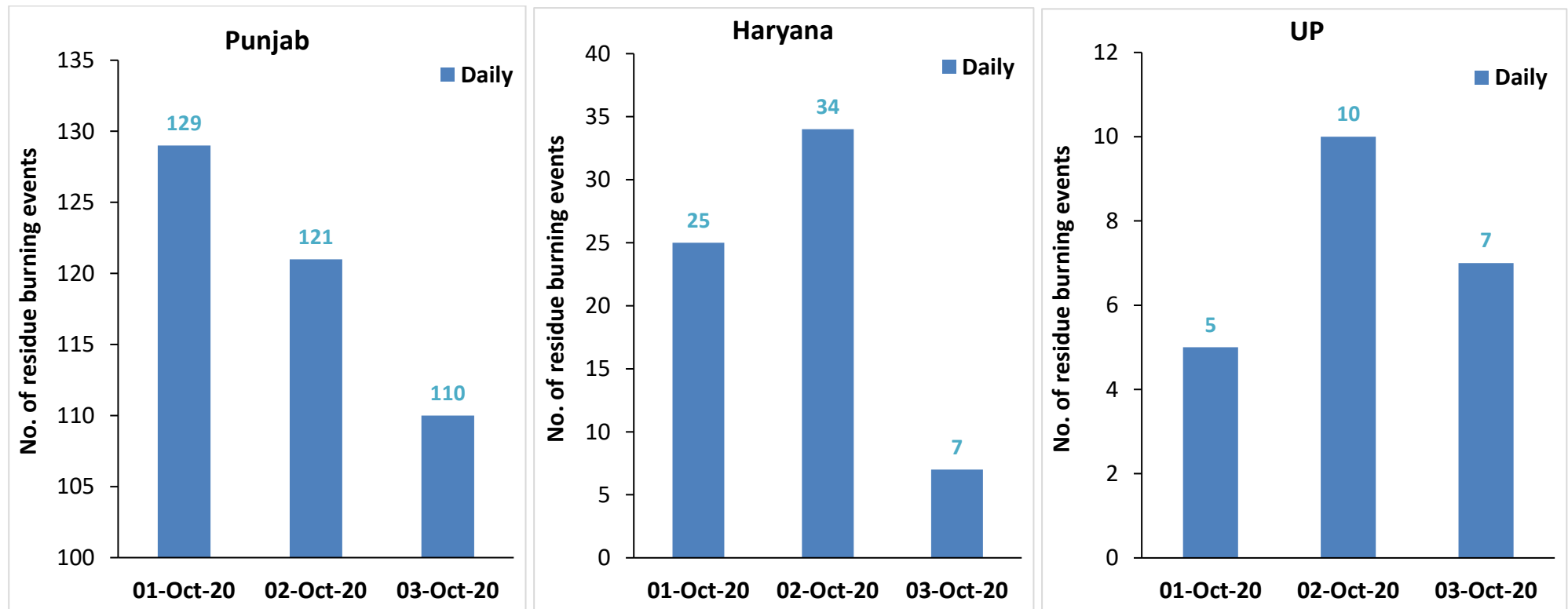
Consortium for Research on Agroecosystem Monitoring and Modeling from Space (CREAMS) Laboratory,  
Division of Agricultural Physics, ICAR – Indian Agricultural Research Institute, New Delhi – 110012

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

## Highlights for 03-October-2020

- Satellites detected **124** residue burning events in the three study States on 03-Oct-2020.
- The state wise events detected were **110** in Punjab, **07** in Haryana and **07** in UP.
- In Punjab, burning/fire events were concentrated in Amritsar and Tarn Taran.
- In Haryana and Uttar Pradesh, the burning events were scattered.
- The number of burning events was highest on 3-Oct in Punjab in the last four years.

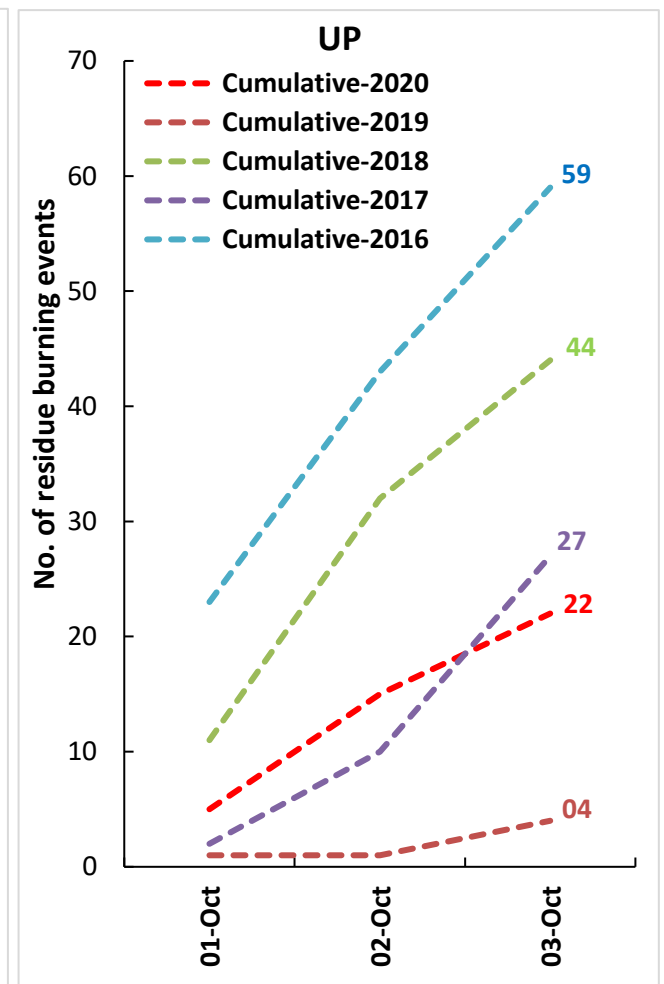
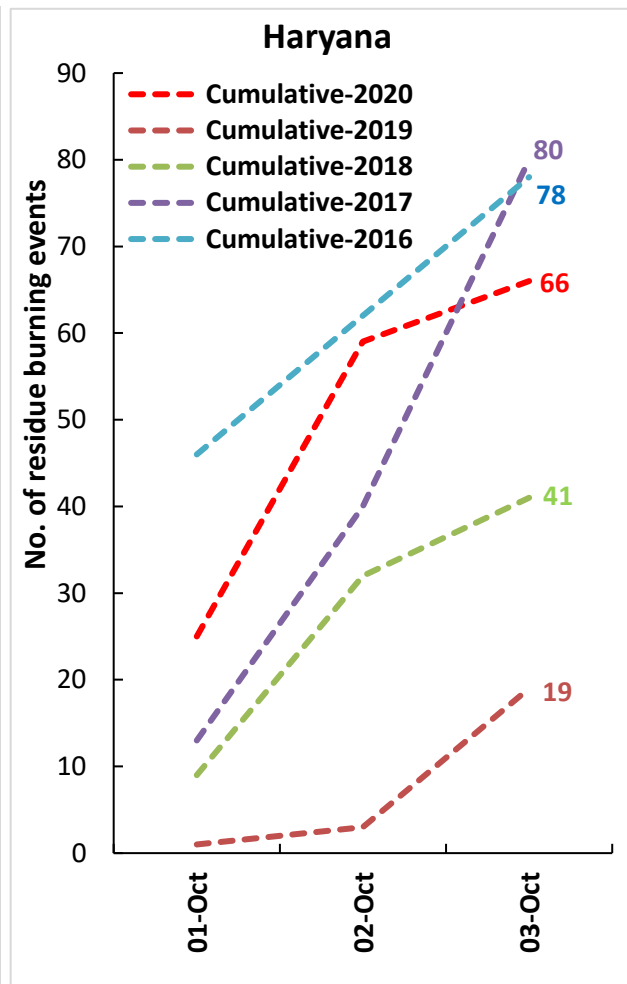
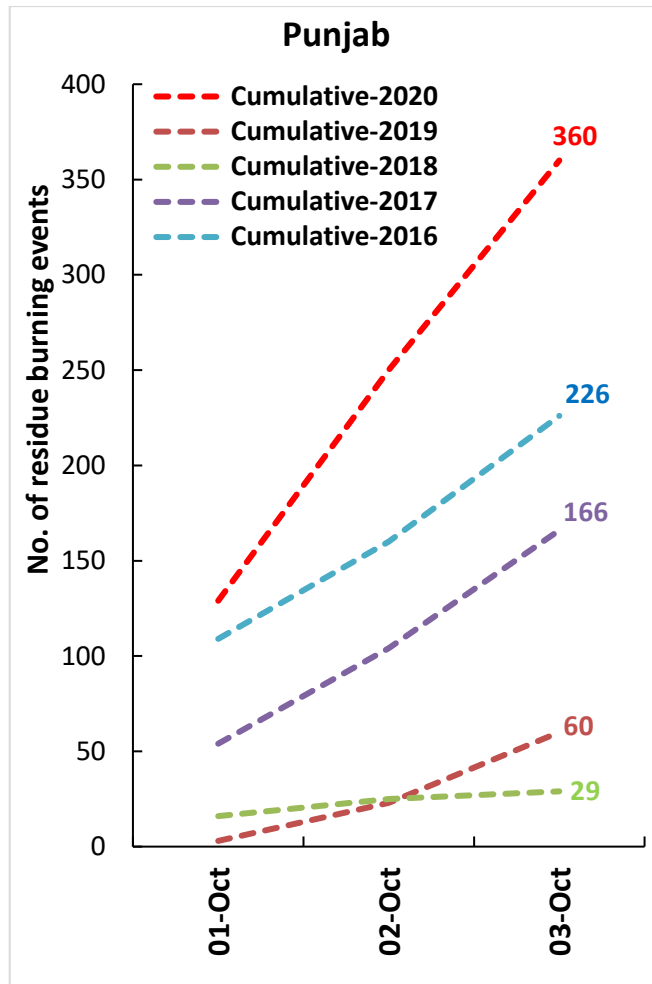
### Temporal distribution of residue burning events for the three study States



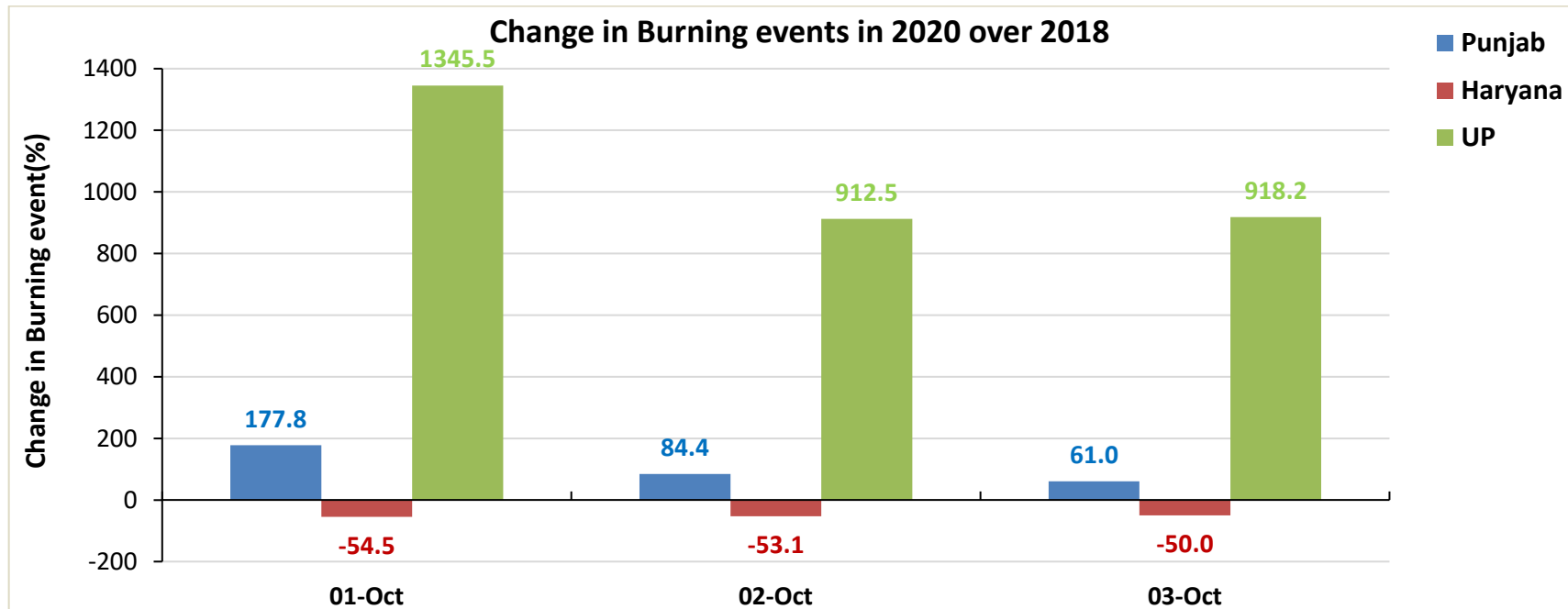
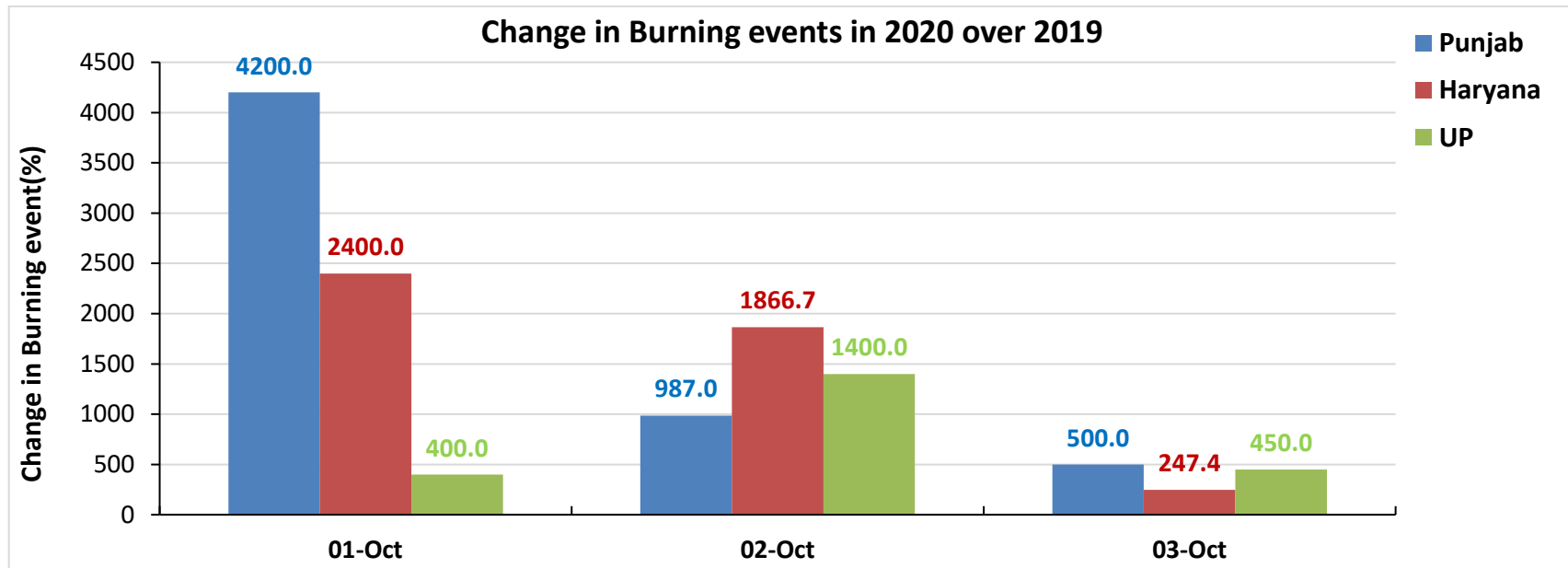
**Comparison of residue burning events in current year (2020) with previous years (2019, 2018, 2017 & 2016) for the three study**

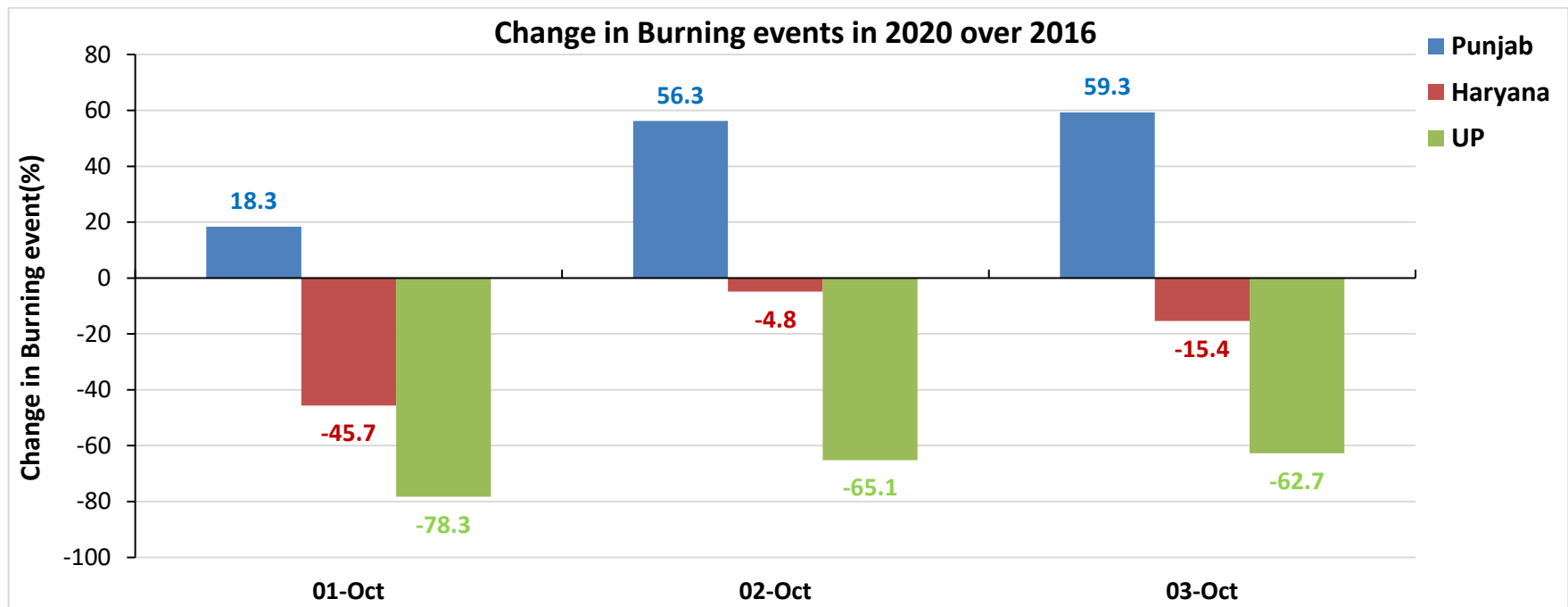
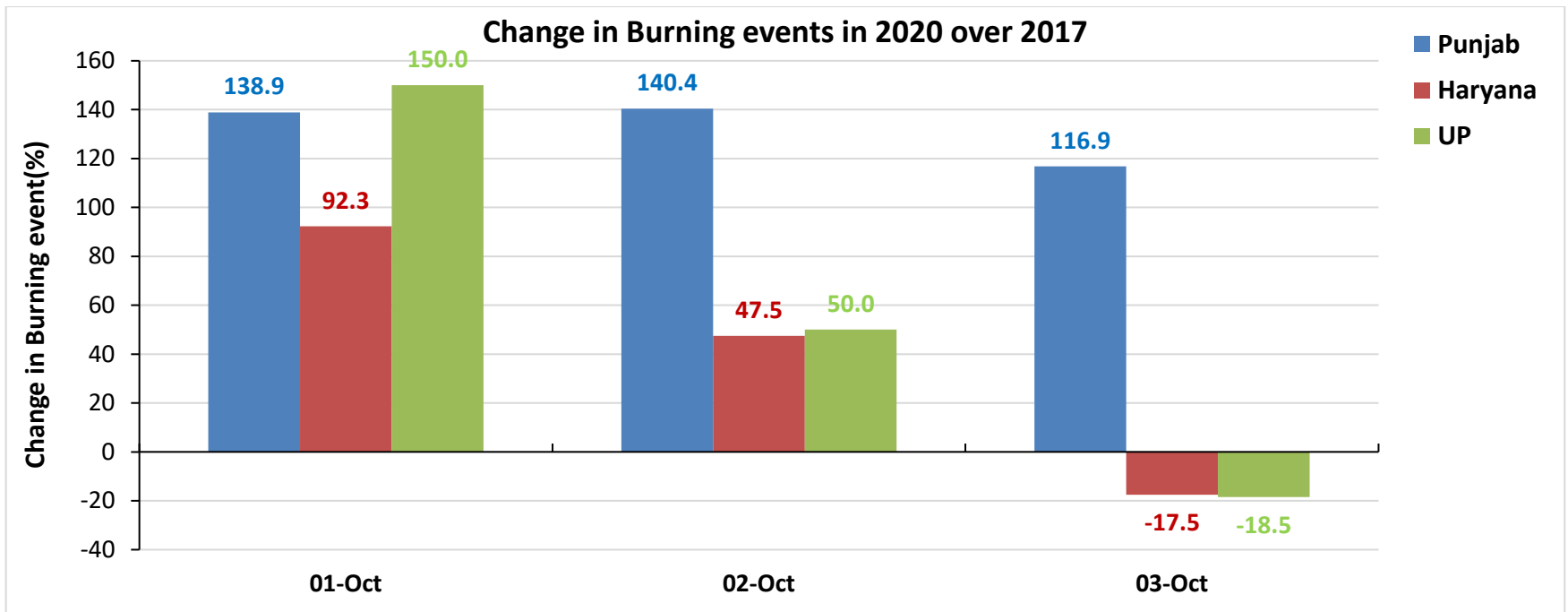
**States**

**(01-Oct to 03-Oct)**



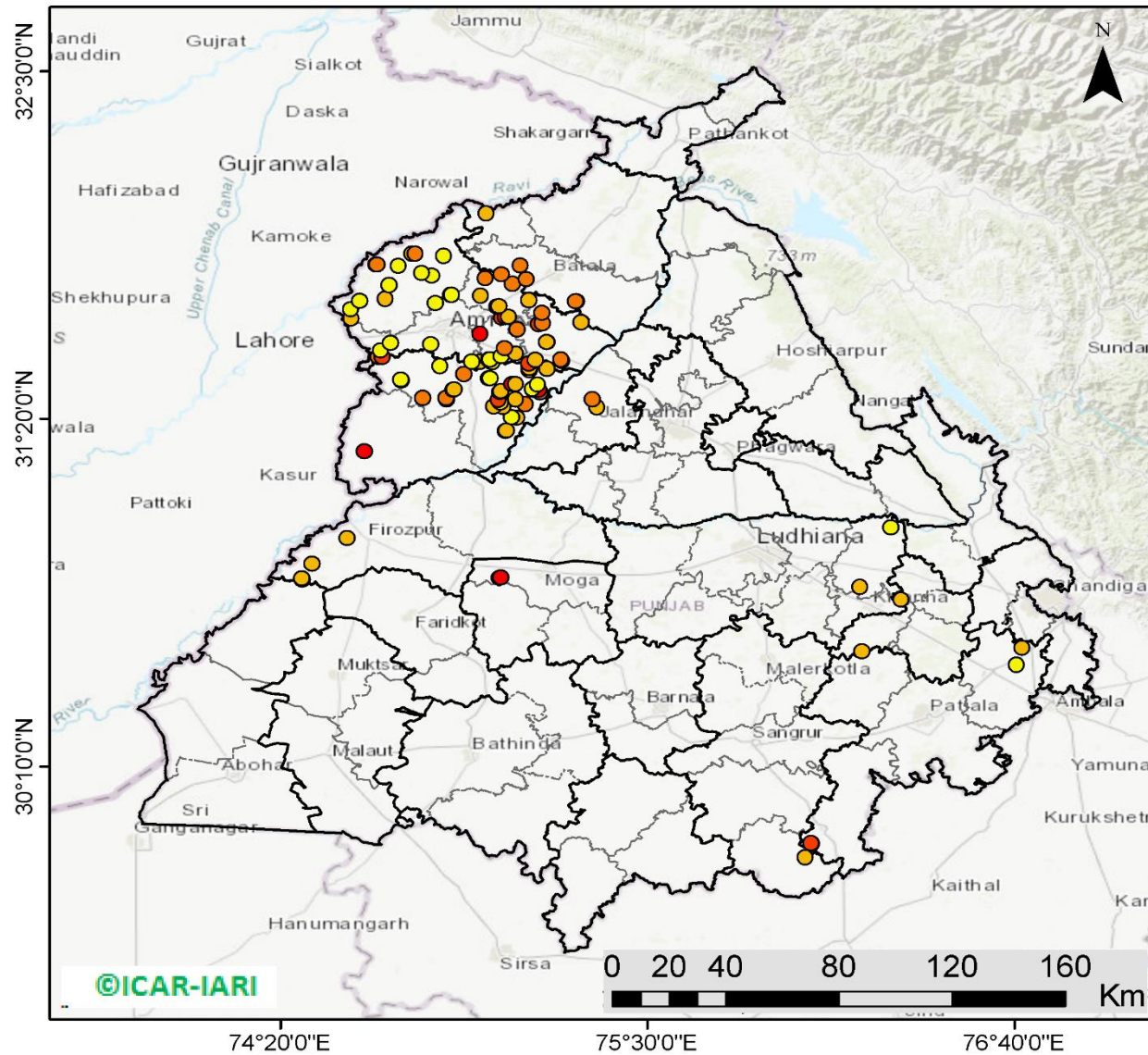
**Percent Change in Burning events in 2020 over 2019, 2018, 2017 and 2016 (Daily Cumulative)**





# Punjab

## RICE RESIDUE BURNING IN PUNJAB



**110** burning events detected in Punjab on 03rd October 2020

### Fire Intensity (W/m<sup>2</sup>)

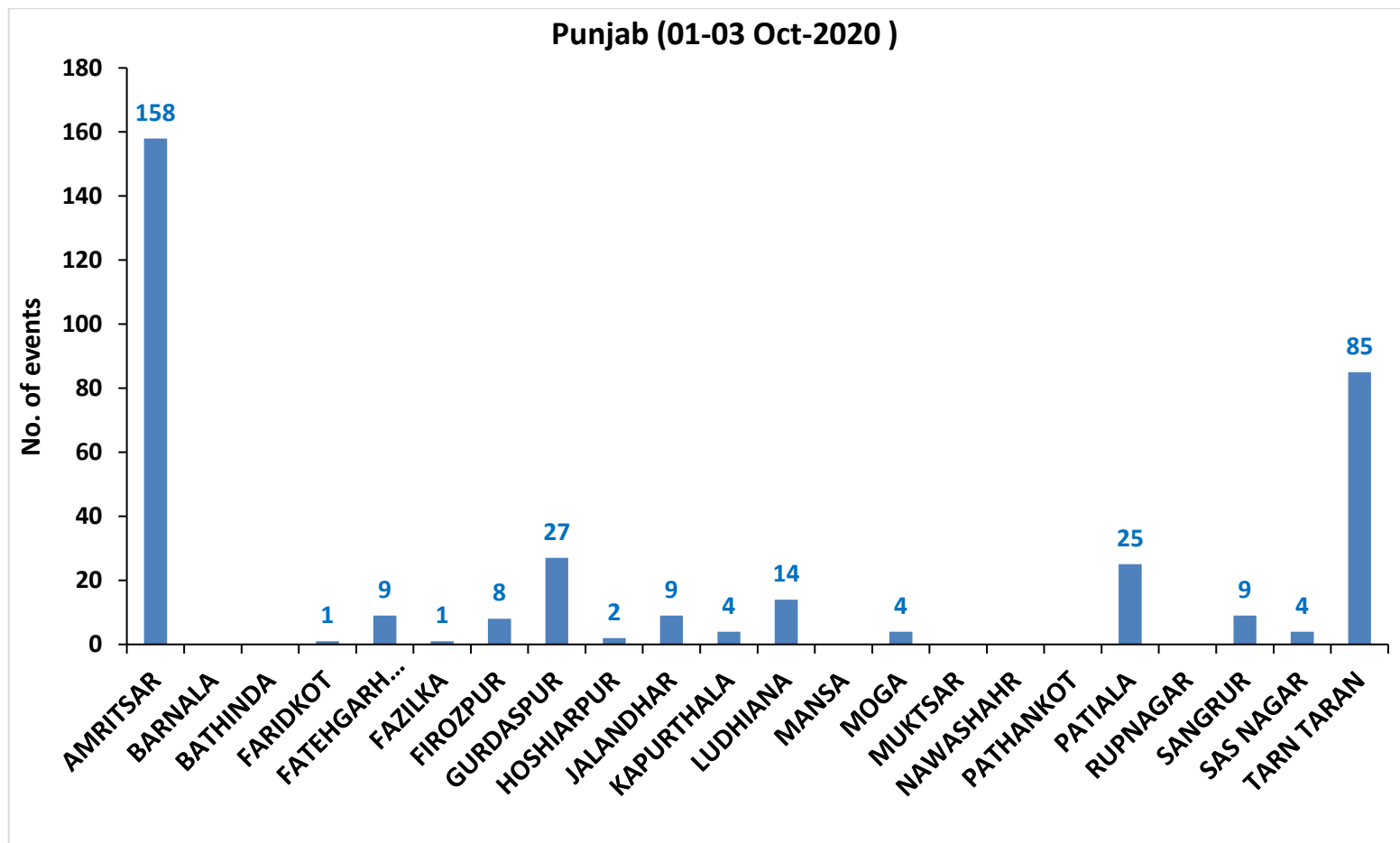
- 0 - 5
- 6 - 10
- 11 - 15
- 16 - 20
- >20

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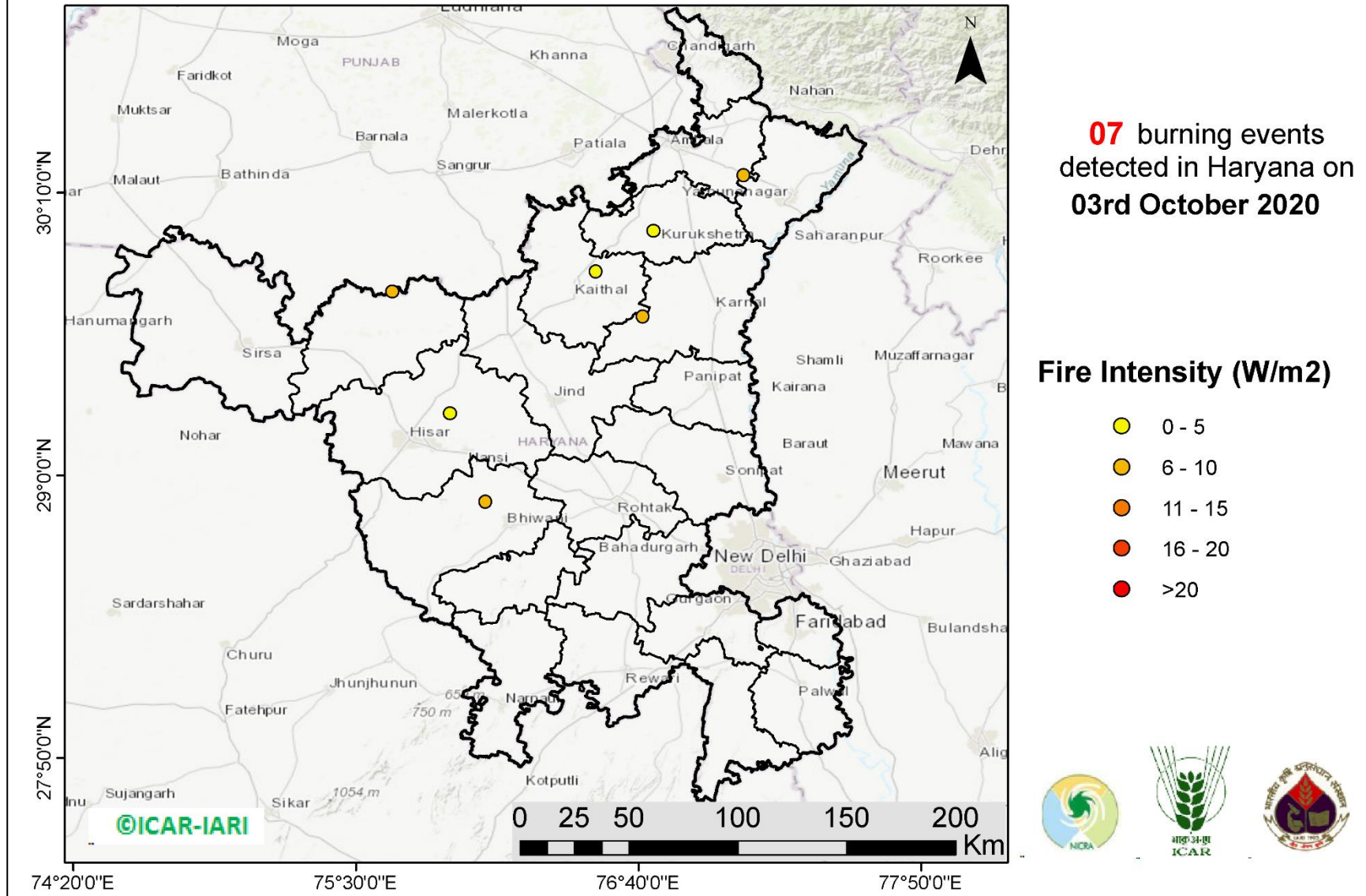
<http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

**District-wise cumulative number of residue burning events in Punjab (01-03 Oct-2020)**



(b) Haryana

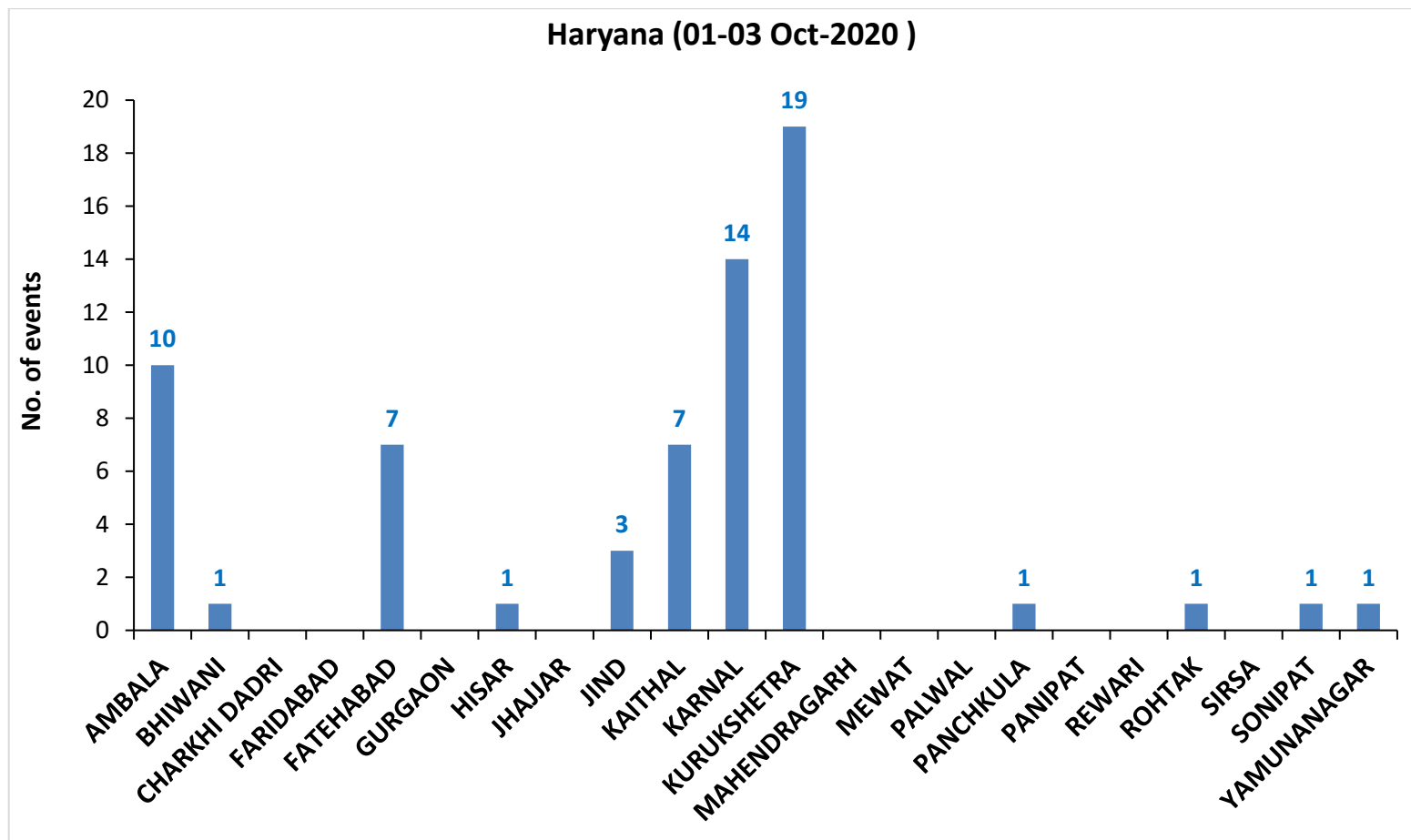
RICE RESIDUE BURNING IN HARYANA



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

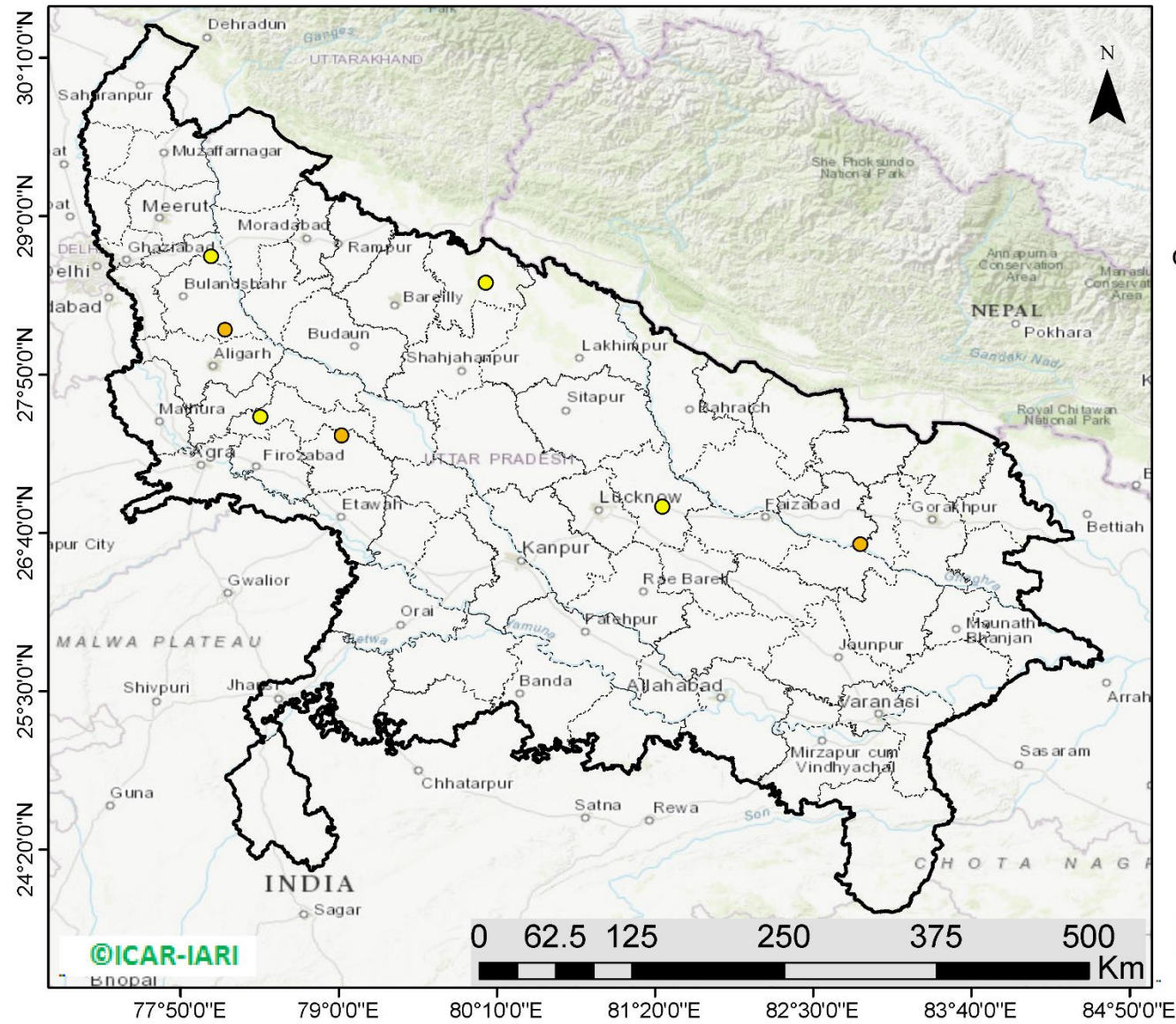


**District-wise cumulative number of residue burning events in Haryana (01-03 Oct-2020)**



### (c) Uttar Pradesh

## RICE RESIDUE BURNING IN UTTAR PRADESH



**07** burning events  
detected in Uttar Pradesh on  
**03rd October 2020**

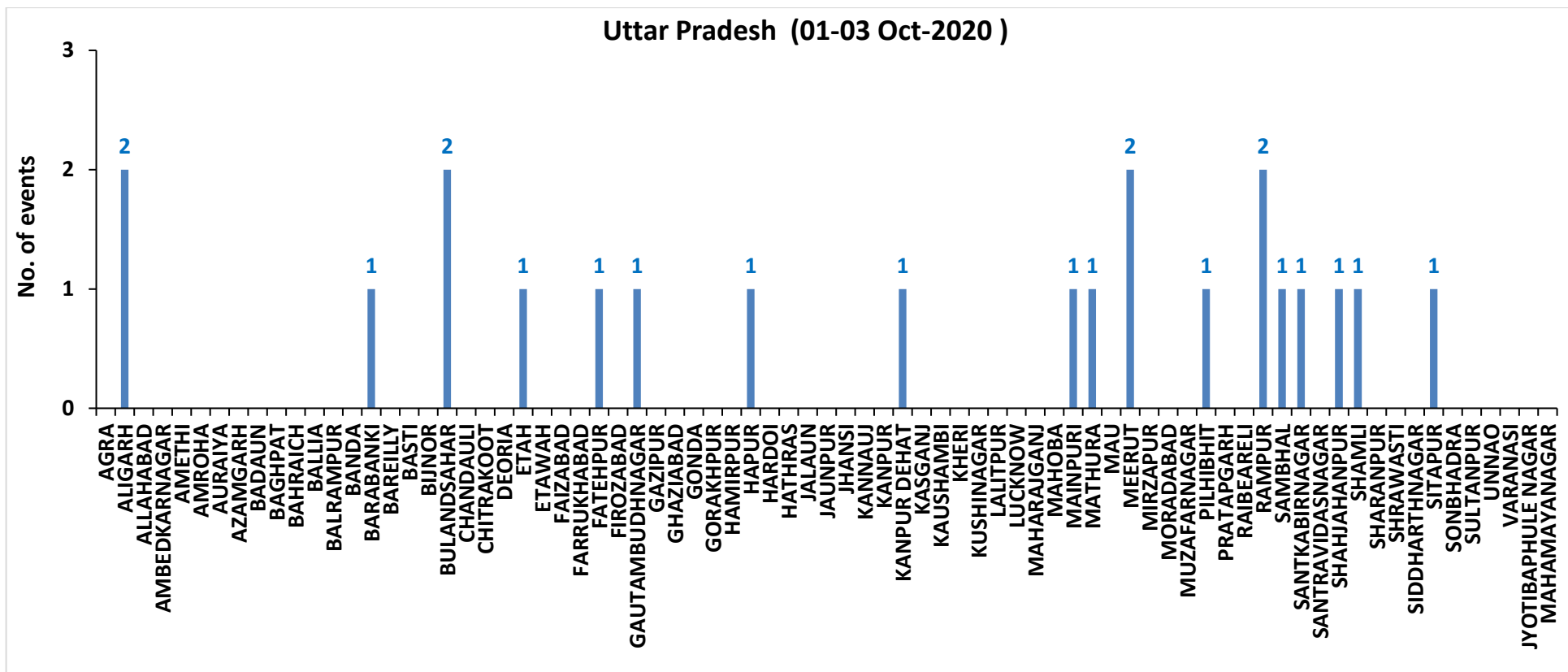
### Fire Intensity (W/m<sup>2</sup>)

- 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 (01-03 Oct-2020)



**State-wise and date-wise number of residue burning events detected in 2016, 2017, 2018, 2019 and 2020**  
**(Period: 01-03 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
<b>01-Oct</b>	129	3	16	54	109	25	1	9	13	46	5	1	11	2	23	159	5	36	69	178
<b>02-Oct</b>	121	20	9	50	51	34	2	23	27	16	10	0	21	8	20	165	22	53	85	87
<b>03-Oct</b>	110	37	4	62	66	07	16	9	40	16	07	3	12	17	16	124	56	25	119	98
<b>Total</b>	<b>360</b>	<b>60</b>	<b>29</b>	<b>166</b>	<b>226</b>	<b>66</b>	<b>19</b>	<b>41</b>	<b>80</b>	<b>78</b>	<b>22</b>	<b>4</b>	<b>44</b>	<b>27</b>	<b>59</b>	<b>448</b>	<b>83</b>	<b>114</b>	<b>273</b>	<b>363</b>

**District-wise and date wise number of residue burning events detected in 2016, 2017, 2018, 2019 and 2020**  
**(Period: 01-03 October)**

**(a) Punjab**

Districts	01-03 Oct				
	2016	2017	2018	2019	2020
AMRITSAR	96	97	15	32	158
BARNALA	1	0	0	0	0
BATHINDA	4	2	4	0	0
FARIDKOT	3	2	0	0	1
FATEHGARH SAHIB	6	0	2	0	9
FAZILKA	0	0	0	1	1
FIROZPUR	13	3	2	0	8
GURDASPUR	2	1	1	0	27
HOSHIARPUR	1	0	2	0	2
JALANDHAR	8	2	0	0	9
KAPURTHALA	12	0	0	0	4
LUDHIANA	8	3	0	1	14
MANSA	4	0	0	0	0
MOGA	0	1	0	2	4
MUKTSAR	0	0	0	1	0
NAWASHAHR	0	0	1	1	0
PATHANKOT	0	0	0	0	0
PATIALA	8	5	0	1	25
RUPNAGAR	0	0	0	0	0
SANGRUR	7	4	0	0	9
SAS NAGAR	0	4	1	0	4
TARN TARAN	53	42	1	21	85
<b>Total</b>	<b>226</b>	<b>166</b>	<b>29</b>	<b>60</b>	<b>360</b>

**(b) Haryana**

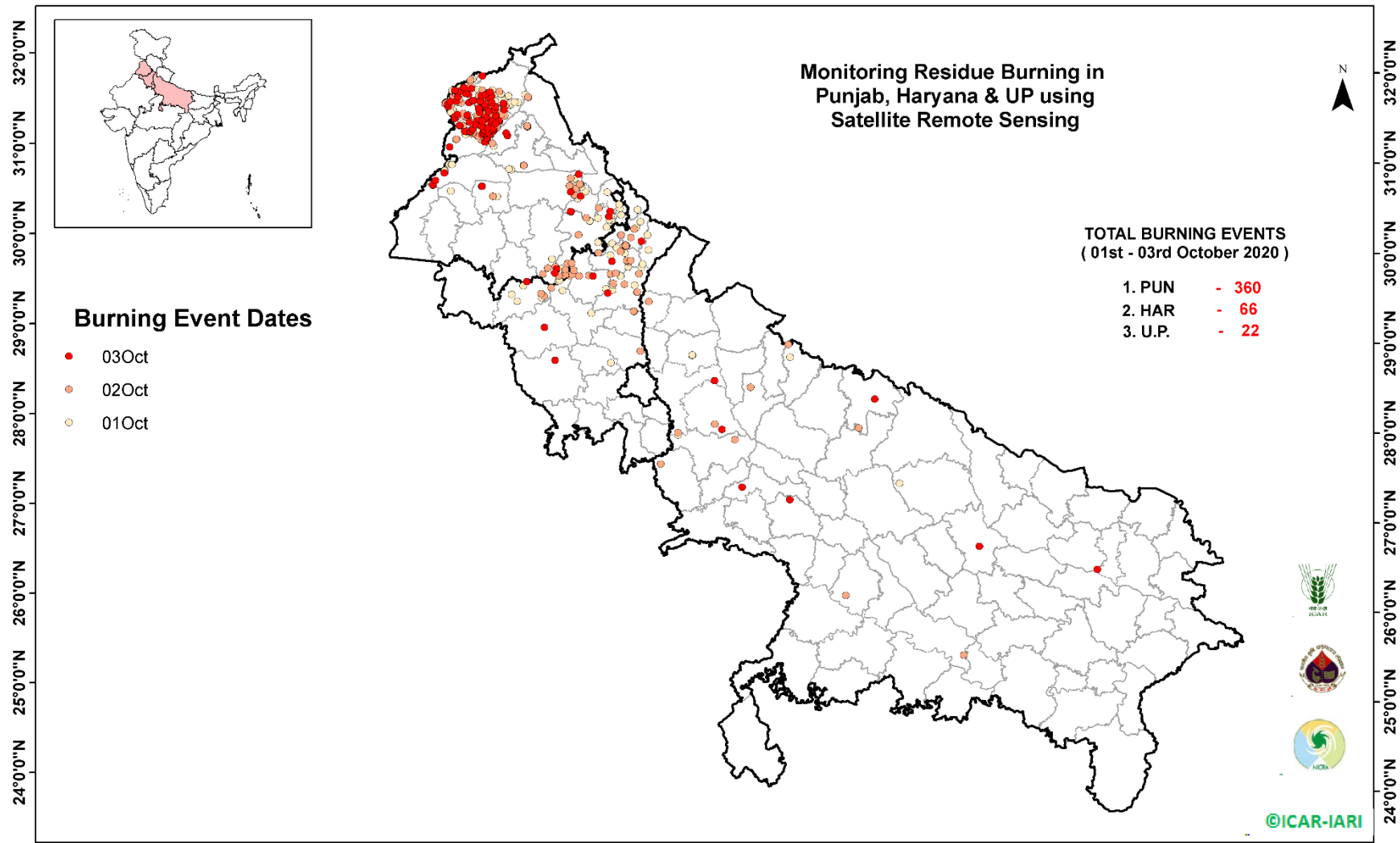
Districts	01-03 Oct				
	2016	2017	2018	2019	2020
AMBALA	5	6	9	1	10
BHIWANI	0	0	0	0	1
CHARKHI DADRI	0	0	0	0	0
FARIDABAD	0	0	1	0	0
FATEHABAD	1	7	0	3	7
GURGAON	0	0	0	0	0
HISAR	2	1	2	0	1
JHAJJAR	0	0	1	0	0
JIND	2	7	0	0	3
KAITHAL	16	4	1	2	7
KARNAL	34	24	10	5	14
KURUKSHETRA	15	24	10	8	19
MAHENDRAGARH	0	0	0	0	0
MEWAT	0	0	0	0	0
PALWAL	0	0	0	0	0
PANCHKULA	0	0	1	0	1
PANIPAT	1	5	3	0	0
REWARI	0	0	0	0	0
ROHTAK	0	0	0	0	1
SIRSA	0	0	0	0	0
SONIPAT	0	0	1	0	1
YAMUNANAGAR	2	2	2	0	1
<b>Total</b>	<b>78</b>	<b>80</b>	<b>41</b>	<b>19</b>	<b>66</b>

(C)

## Uttar Pradesh

Districts	01-03 Oct																
	2016	2017	2018	2019	2020	GAUTAMBUDHNAGAR	0	0	0	0	1	MUZAFARNAGAR	0	0	1	1	0
AGRA	0	0	0	0	0	GAZIPUR	1	0	1	0	0	PILHIBHIT	3	3	0	0	1
ALIGARH	0	0	1	0	2	GHAZIABAD	0	0	0	0	0	PRATAPGARH	6	3	0	2	0
ALLAHABAD	0	0	0	0	0	GONDA	0	0	1	0	0	RAIBEARELI	0	0	0	0	0
AMBEDKARNAGAR	0	0	0	0	0	GORAKHPUR	0	0	0	0	0	RAMPUR	0	0	0	0	2
AMETHI	0	0	0	0	0	HAMIRPUR	0	0	2	0	0	SAMBHAL	17	4	4	0	1
AMROHA	0	0	0	0	0	HAPUR	0	0	1	0	1	SANTKABIRNAGAR	2	0	0	0	1
AURAIYA	7	4	4	0	0	HARDOI	0	0	0	0	0	SANTRAVIDASNAGAR	0	0	0	0	0
AZAMGARH	0	0	0	0	0	HATHRAS	0	0	0	0	0	SHAHJAHANPUR	0	0	0	0	1
BADAUN	0	0	0	0	0	JALAUN	0	0	0	0	0	SHAMLI	13	6	14	0	1
BAGHPAT	0	0	0	0	0	JAUNPUR	0	0	0	0	0	SHARANPUR	0	0	0	0	0
BAHRAICH	0	0	0	0	0	JHANSI	0	0	0	0	0	SHRAWASTI	0	0	0	0	0
BALLIA	0	0	0	0	0	KANNAUJ	0	0	0	0	0	SIDDHARTHANAGAR	0	0	0	0	0
BALRAMPUR	0	0	0	0	0	KANPUR	0	0	0	0	0	SITAPUR	1	0	0	0	1
BANDA	0	0	1	0	0	KANPUR DEHAT	0	0	0	0	1	SONBHADRA	1	1	1	0	0
BARABANKI	2	0	2	0	1	KASGANJ	0	0	0	0	0	SULTANPUR	0	0	0	0	0
BAREILLY	4	0	0	1	0	KAUSHAMBI	0	0	0	0	0	UNNAO	0	0	0	0	0
BASTI	0	0	0	0	0	KHERI	0	0	2	0	0	VARANASI	0	0	0	0	0
BIJNOR	0	0	0	0	0	KUSHINAGAR	2	4	3	0	0	JYOTIBAPHULE NAGAR	0	0	0	0	0
BULANDSAHAR	0	0	1	0	2	LALITPUR	0	0	0	0	0	MAHAMAYANAGAR	0	0	0	0	0
CHANDAULI	0	1	0	0	0	LUCKNOW	0	0	0	0	0	<b>Total</b>	<b>59</b>	<b>27</b>	<b>44</b>	<b>4</b>	<b>22</b>
CHITRAKOOT	0	0	0	0	0	MAHARAJGANJ	0	0	0	0	0						
DEORIA	0	0	0	0	0	MAHOPA	0	0	0	0	0						
ETAH	0	0	0	0	1	MAINPURI	0	0	0	0	1						
ETAWAH	0	0	0	0	0	MATHURA	0	0	1	0	1						
FAIZABAD	0	0	0	0	0	MAU	0	0	4	0	0						
FARRUKHABAD	0	0	0	0	0	MEERUT	0	0	0	0	2						
FATEHPUR	0	0	0	0	1	MIRZAPUR	0	0	0	0	0						
FIROZABAD	0	0	0	0	0	MORADABAD	0	1	0	0	0						

## Map of Cumulative Burning Events (01-03 Oct 2020)



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

**Details of residue burning events in Punjab on 03-Oct-2020**

S. No.	District	Tehsil / Block	Satellite	Longitude	Latitude	Time (IST)	Day / Night	Fire Power (W/m <sup>2</sup> )
1	AMRITSAR	AJNALA	AQUA	74.55800	31.66900	13:50:00	D	6.70
2	AMRITSAR	AJNALA	S-NPP	74.55679	31.69985	12:54:00	D	1.90
3	AMRITSAR	AJNALA	S-NPP	74.82583	31.72136	12:54:00	D	2.50
4	AMRITSAR	AJNALA	S-NPP	74.58511	31.72812	12:54:00	D	3.80
5	AMRITSAR	AJNALA	AQUA	74.66700	31.73600	13:50:00	D	6.10
6	AMRITSAR	AJNALA	S-NPP	74.67876	31.78234	12:54:00	D	4.00
7	AMRITSAR	AJNALA	S-NPP	74.81428	31.81400	12:54:00	D	1.90
8	AMRITSAR	AJNALA	S-NPP	74.78262	31.82251	12:54:00	D	1.40
9	AMRITSAR	AJNALA	S-NPP	74.70825	31.84562	12:54:00	D	2.10
10	AMRITSAR	AJNALA	S-NPP	74.63710	31.85009	12:54:00	D	9.10
11	AMRITSAR	AJNALA	S-NPP	74.64052	31.85090	12:54:00	D	10.10
12	AMRITSAR	AJNALA	S-NPP	74.85268	31.87980	12:54:00	D	1.50
13	AMRITSAR	AJNALA	AQUA	74.75100	31.88700	13:50:00	D	7.90
14	AMRITSAR	AJNALA	AQUA	74.76200	31.88800	13:50:00	D	12.00
15	AMRITSAR	AMRITSAR I	S-NPP	74.96846	31.52448	14:30:00	D	5.60
16	AMRITSAR	AMRITSAR I	S-NPP	74.99578	31.53142	12:54:00	D	3.20
17	AMRITSAR	AMRITSAR I	S-NPP	74.99680	31.53193	12:54:00	D	3.70
18	AMRITSAR	AMRITSAR I	S-NPP	74.99909	31.53221	12:54:00	D	4.20
19	AMRITSAR	AMRITSAR I	S-NPP	75.03491	31.54357	14:30:00	D	3.80
20	AMRITSAR	AMRITSAR I	AQUA	75.08100	31.55200	13:50:00	D	5.70
21	AMRITSAR	AMRITSAR I	S-NPP	75.04610	31.56947	14:30:00	D	11.80
22	AMRITSAR	AMRITSAR I	AQUA	74.96900	31.61900	13:50:00	D	27.80
23	AMRITSAR	AMRITSAR I	AQUA	75.03600	31.67200	13:50:00	D	19.60
24	AMRITSAR	AMRITSAR I	AQUA	75.04800	31.67400	13:50:00	D	23.60
25	AMRITSAR	AMRITSAR I	AQUA	75.05900	31.67500	13:50:00	D	7.40
26	AMRITSAR	AMRITSAR I	S-NPP	75.02122	31.70998	12:54:00	D	15.10
27	AMRITSAR	AMRITSAR I	S-NPP	75.02777	31.71152	12:54:00	D	5.80
28	AMRITSAR	AMRITSAR I	AQUA	74.97000	31.74600	13:50:00	D	6.60
29	AMRITSAR	AMRITSAR I	S-NPP	74.87461	31.74888	12:54:00	D	2.30
30	AMRITSAR	AMRITSAR I	S-NPP	74.87794	31.74967	12:54:00	D	3.30



31	AMRITSAR	AMRITSAR I	AQUA	75.07100	31.78700	13:50:00	D	11.20
32	AMRITSAR	AMRITSAR I	AQUA	74.98400	31.80500	13:50:00	D	10.30
33	AMRITSAR	AMRITSAR II	S-NPP	74.94196	31.52451	12:54:00	D	3.40
34	AMRITSAR	AMRITSAR II	AQUA	74.64500	31.54100	13:50:00	D	13.90
35	AMRITSAR	AMRITSAR II	AQUA	74.65600	31.54200	13:50:00	D	17.50
36	AMRITSAR	AMRITSAR II	S-NPP	74.65126	31.56178	12:54:00	D	1.40
37	AMRITSAR	AMRITSAR II	S-NPP	74.81036	31.58294	14:30:00	D	3.70
38	AMRITSAR	AMRITSAR II	S-NPP	74.68291	31.58740	12:54:00	D	2.60
39	AMRITSAR	AMRITSAR II	AQUA	74.95500	31.66200	13:50:00	D	71.30
40	AMRITSAR	BABA BAKALA	S-NPP	75.12449	31.49677	14:30:00	D	7.20
41	AMRITSAR	BABA BAKALA	S-NPP	75.12425	31.50390	14:30:00	D	9.70
42	AMRITSAR	BABA BAKALA	AQUA	75.12200	31.51900	13:50:00	D	16.50
43	AMRITSAR	BABA BAKALA	S-NPP	75.22881	31.52884	14:30:00	D	14.40
44	AMRITSAR	BABA BAKALA	AQUA	75.14400	31.53100	13:50:00	D	7.20
45	AMRITSAR	BABA BAKALA	S-NPP	75.22501	31.53191	14:30:00	D	11.40
46	AMRITSAR	BABA BAKALA	S-NPP	75.18041	31.58986	12:54:00	D	5.30
47	AMRITSAR	BABA BAKALA	S-NPP	75.17888	31.59054	12:54:00	D	8.90
48	AMRITSAR	BABA BAKALA	AQUA	75.08500	31.63400	13:50:00	D	10.60
49	AMRITSAR	BABA BAKALA	AQUA	75.15400	31.65200	13:50:00	D	19.20
50	AMRITSAR	BABA BAKALA	AQUA	75.16600	31.65400	13:50:00	D	13.50
51	AMRITSAR	BABA BAKALA	S-NPP	75.28831	31.65762	12:54:00	D	6.10
52	AMRITSAR	BABA BAKALA	AQUA	75.16500	31.68800	13:50:00	D	10.80
53	AMRITSAR	BABA BAKALA	AQUA	75.12200	31.73100	13:50:00	D	5.70
54	FATEHGARH SAHIB	ALMOH	S-NPP	76.18142	30.55239	12:54:00	D	7.80
55	FATEHGARH SAHIB	KHAMANOH	S-NPP	76.30596	30.72575	12:54:00	D	6.00
56	FAZILKA	JALALABAD	S-NPP	74.40224	30.79306	12:54:00	D	5.60
57	FIROZPUR	FIROZPUR	S-NPP	74.40060	30.79822	12:54:00	D	5.60
58	FIROZPUR	FIROZPUR	S-NPP	74.43423	30.84584	14:30:00	D	8.20
59	FIROZPUR	FIROZPUR	AQUA	74.54500	30.93300	13:50:00	D	5.60
60	GURDASPUR	BATALA	S-NPP	75.27349	31.72647	12:54:00	D	13.30
61	GURDASPUR	BATALA	S-NPP	75.27180	31.72705	12:54:00	D	10.30
62	GURDASPUR	BATALA	AQUA	75.11600	31.80200	13:50:00	D	11.20
63	GURDASPUR	BATALA	S-NPP	75.03495	31.81822	12:54:00	D	12.40

64	GURDASPUR	BATALA	AQUA	75.09600	31.84800	13:50:00	D	11.00
65	GURDASPUR	DERA BABA NANAK	AQUA	74.98700	32.02300	13:50:00	D	9.10
66	KAPURTHALA	KAPURTHALA	AQUA	75.34000	31.37200	13:50:00	D	9.80
67	KAPURTHALA	KAPURTHALA	AQUA	75.32400	31.39900	13:50:00	D	12.00
68	LUDHIANA	SAMRALA	AQUA	76.17600	30.77000	13:50:00	D	10.00
69	LUDHIANA	SAMRALA	S-NPP	76.27381	30.96783	12:54:00	D	4.50
70	MOGA	MOGA	S-NPP	75.02969	30.79966	12:54:00	D	13.40
71	MOGA	MOGA	S-NPP	75.03309	30.80046	12:54:00	D	27.10
72	PATIALA	RAJPURA	S-NPP	76.67284	30.50743	12:54:00	D	3.30
73	PATIALA	RAJPURA	S-NPP	76.69143	30.56505	12:54:00	D	6.50
74	PATIALA	SAMANA	S-NPP	76.02197	29.90781	12:54:00	D	11.20
75	PATIALA	SAMANA	S-NPP	76.01959	29.90891	12:54:00	D	17.00
76	SANGRUR	MOONAK	S-NPP	76.00231	29.86232	12:54:00	D	6.60
77	TARN TARAN	KHADOOR SAHIB	S-NPP	75.04871	31.29220	12:54:00	D	5.20
78	TARN TARAN	KHADOOR SAHIB	S-NPP	75.05204	31.29297	12:54:00	D	5.20
79	TARN TARAN	KHADOOR SAHIB	S-NPP	75.08302	31.33696	12:54:00	D	7.40
80	TARN TARAN	KHADOOR SAHIB	S-NPP	75.08430	31.33734	12:54:00	D	6.90
81	TARN TARAN	KHADOOR SAHIB	S-NPP	75.06823	31.33834	14:30:00	D	4.40
82	TARN TARAN	KHADOOR SAHIB	AQUA	75.04100	31.37300	13:50:00	D	6.50
83	TARN TARAN	KHADOOR SAHIB	S-NPP	75.01103	31.37580	14:30:00	D	6.10
84	TARN TARAN	KHADOOR SAHIB	AQUA	75.11100	31.38200	13:50:00	D	10.90
85	TARN TARAN	KHADOOR SAHIB	S-NPP	75.03149	31.38809	12:54:00	D	4.70
86	TARN TARAN	KHADOOR SAHIB	S-NPP	75.02609	31.39760	14:30:00	D	15.10
87	TARN TARAN	KHADOOR SAHIB	S-NPP	74.86179	31.39891	14:30:00	D	5.60
88	TARN TARAN	KHADOOR SAHIB	S-NPP	75.08169	31.39950	14:30:00	D	6.00
89	TARN TARAN	KHADOOR SAHIB	AQUA	74.78500	31.40300	13:50:00	D	15.00
90	TARN TARAN	KHADOOR SAHIB	S-NPP	74.85951	31.40329	14:30:00	D	11.20
91	TARN TARAN	KHADOOR SAHIB	AQUA	75.15800	31.42100	13:50:00	D	13.70
92	TARN TARAN	KHADOOR SAHIB	S-NPP	75.03120	31.42262	14:30:00	D	6.90
93	TARN TARAN	KHADOOR SAHIB	S-NPP	75.03307	31.42626	14:30:00	D	6.50
94	TARN TARAN	KHADOOR SAHIB	S-NPP	75.13675	31.42991	14:30:00	D	6.60
95	TARN TARAN	KHADOOR SAHIB	AQUA	75.15600	31.43000	13:50:00	D	22.70
96	TARN TARAN	KHADOOR SAHIB	S-NPP	74.88142	31.43081	12:54:00	D	8.90

97	TARN TARAN	KHADOOR SAHIB	S-NPP	74.88480	31.43161	12:54:00	D	8.90
98	TARN TARAN	KHADOOR SAHIB	S-NPP	75.13467	31.43281	14:30:00	D	4.70
99	TARN TARAN	KHADOOR SAHIB	S-NPP	75.15025	31.44756	14:30:00	D	4.70
100	TARN TARAN	KHADOOR SAHIB	AQUA	75.07000	31.44900	13:50:00	D	38.30
101	TARN TARAN	KHADOOR SAHIB	AQUA	75.08100	31.45000	13:50:00	D	8.40
102	TARN TARAN	KHADOOR SAHIB	S-NPP	74.71765	31.46165	12:54:00	D	4.10
103	TARN TARAN	KHADOOR SAHIB	S-NPP	74.71586	31.46432	12:54:00	D	4.90
104	TARN TARAN	KHADOOR SAHIB	S-NPP	74.99550	31.46836	12:54:00	D	3.50
105	TARN TARAN	KHADOOR SAHIB	S-NPP	74.99881	31.46914	12:54:00	D	4.40
106	TARN TARAN	KHADOOR SAHIB	AQUA	74.91600	31.48300	13:50:00	D	11.50
107	TARN TARAN	KHADOOR SAHIB	S-NPP	75.18046	31.50132	12:54:00	D	5.30
108	TARN TARAN	KHADOOR SAHIB	S-NPP	74.84067	31.51031	12:54:00	D	5.00
109	TARN TARAN	KHADOOR SAHIB	S-NPP	75.00656	31.52366	12:54:00	D	3.30
110	TARN TARAN	PATTI	AQUA	74.60000	31.22400	13:50:00	D	22.10

**Details of residue burning events in Haryana on 03-Oct-2020**

S. No.	District	Tehsil / Block	Satellite	Longitude	Latitude	Time (IST)	Day / Night	Fire Power (W/m <sup>2</sup> )
1	AMBALA	BARARA	S-NPP	77.10034	30.23849	12:54:00	D	8.30
2	BHIWANI	BAWANI_KHERA	S-NPP	76.03429	28.89118	12:54:00	D	8.50
3	FATEHABAD	RATIA	S-NPP	75.64960	29.75789	14:30:00	D	7.00
4	HISAR	HANSI	S-NPP	75.88847	29.25531	12:54:00	D	2.70
5	KAITHAL	KAITHAL	S-NPP	76.49036	29.84156	12:54:00	D	2.50
6	KARNAL	ASSANDH	S-NPP	76.68425	29.65509	12:54:00	D	5.30
7	KURUKSHETRA	THANESAR	S-NPP	76.72772	30.00931	12:54:00	D	3.00

**Details of residue burning events in Uttar Pradesh on 03-Oct-2020**

S. No.	District	Tehsil / Block	Satellite	Longitude	Latitude	Time (IST)	Day / Night	Fire Power (W/m <sup>2</sup> )
1	BARABANKI	NAWABGANJ	S-NPP	81.38663	26.85977	12:48:00	D	3.30
2	BULANDSAHAR	SHIKARPUR	METOP-2	78.16149	28.16092	20:12:00	N	8.00
3	ETAH	JALESAR	S-NPP	78.42101	27.51927	12:48:00	D	3.80
4	HAPUR	GARHMUKTESAR	S-NPP	78.05833	28.70117	01:36:00	N	0.50
5	MAINPURI	MAINPURI	S-NPP	79.02116	27.38422	12:48:00	D	9.40
6	PILHIBHIT	PURANPUR	S-NPP	80.08501	28.50975	01:36:00	N	0.90
7	SANTKABIRNAGAR	GHANGHATA	METOP-2	82.84941	26.57988	20:12:00	N	7.00

**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 / 1000	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)

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