



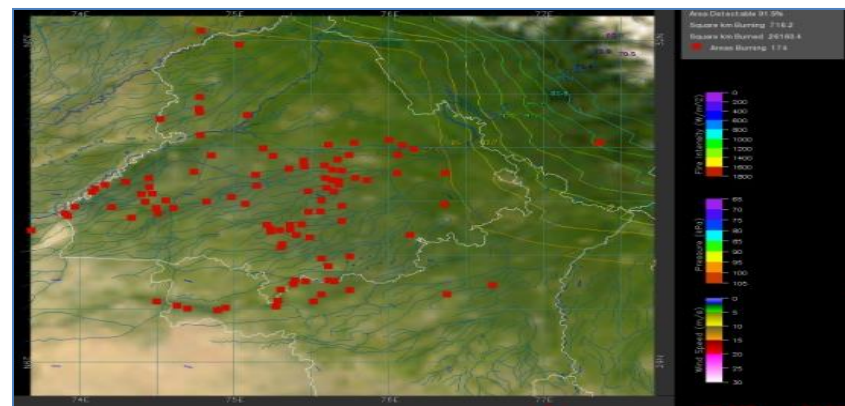
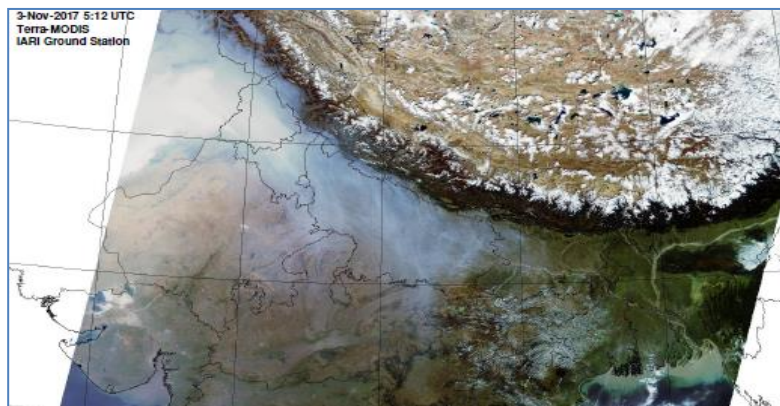
**Bulletin
No. 76**

**Events Date:
29-Nov-2023**

**Issued on:
29-Nov-2023**



MONITORING PADDY RESIDUE BURNING IN INDIA USING SATELLITE REMOTE SENSING DURING 2023



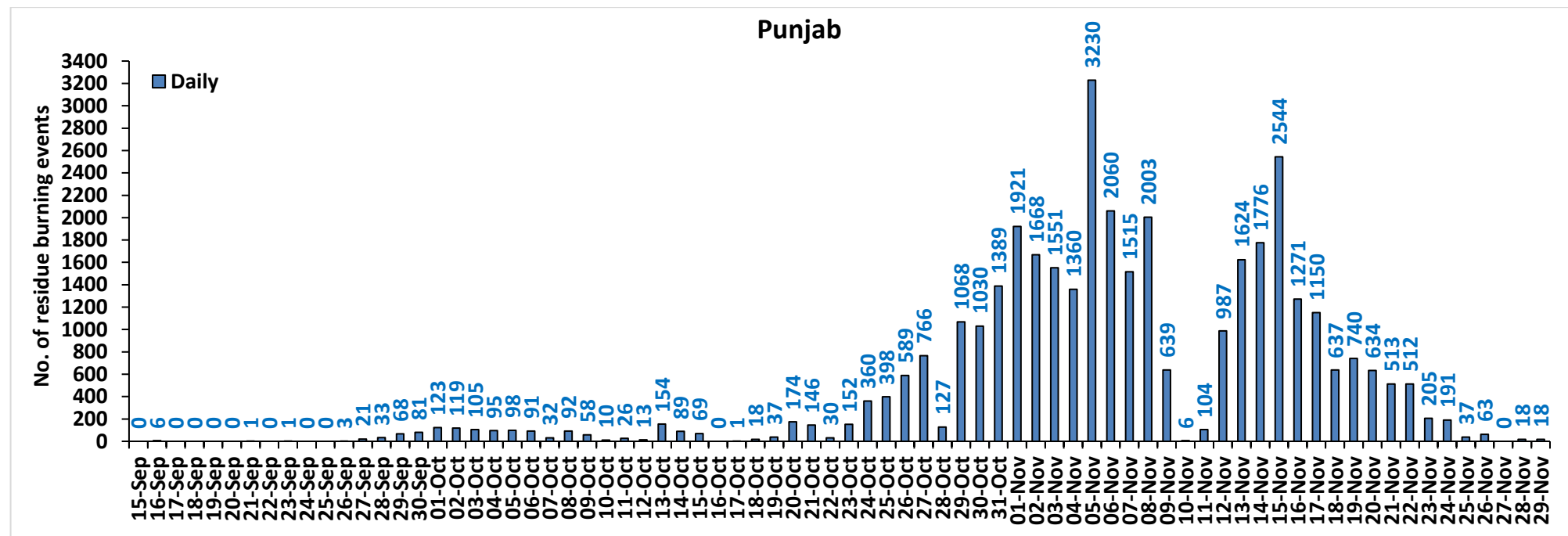
**Consortium for Research on Agroecosystem Monitoring and Modeling from Space (CREAMS) Laboratory,
Division of Agricultural Physics, ICAR – Indian Agricultural Research Institute, New Delhi – 110012**

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

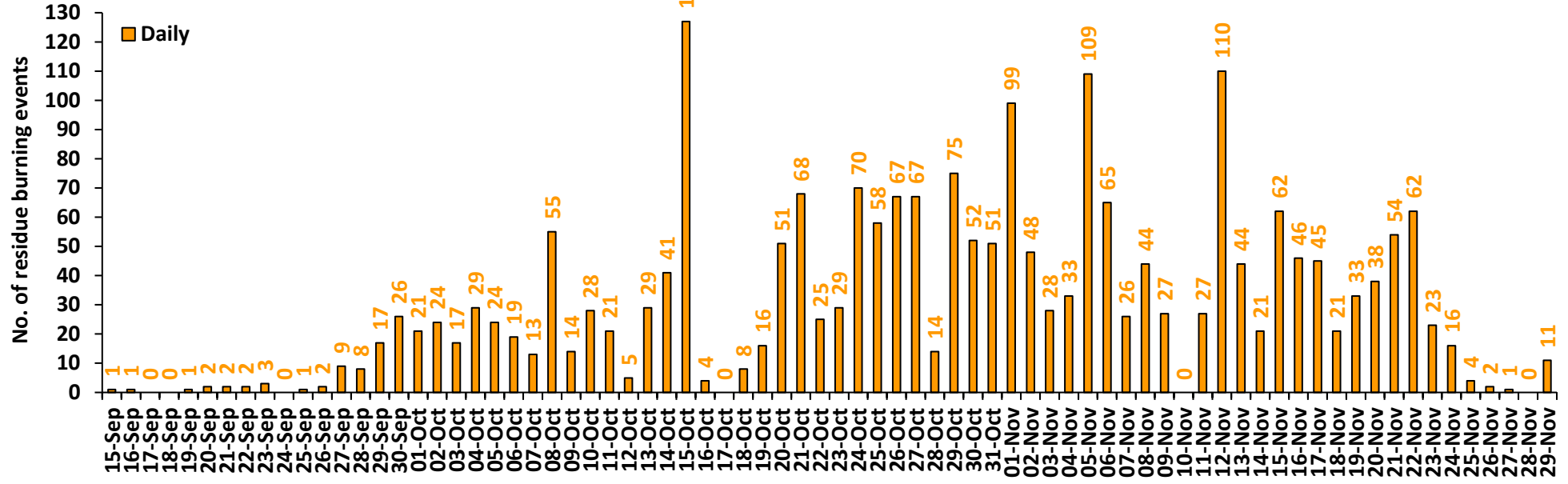
Highlights for 29-Nov-2023

- 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 **214** residue burning events in the six study States on 29-Nov-2023.
- The state wise events detected on 29-Nov-2023 were **18** in Punjab, **11** in Haryana, **173** in UP, **00** in Delhi, **01** in Rajasthan and **11** in MP.
- Total **57209** burning events were detected in the six states between 15-Sept-2023 and 29-Nov-2023, which are distributed as **36650**, **2296**, **3985**, **05**, **1773** and **12500** in Punjab, Haryana, UP, Delhi, Rajasthan and MP, respectively.
- Detection of residue burning events was hampered by the presence of clouds over Madhya Pradesh state.

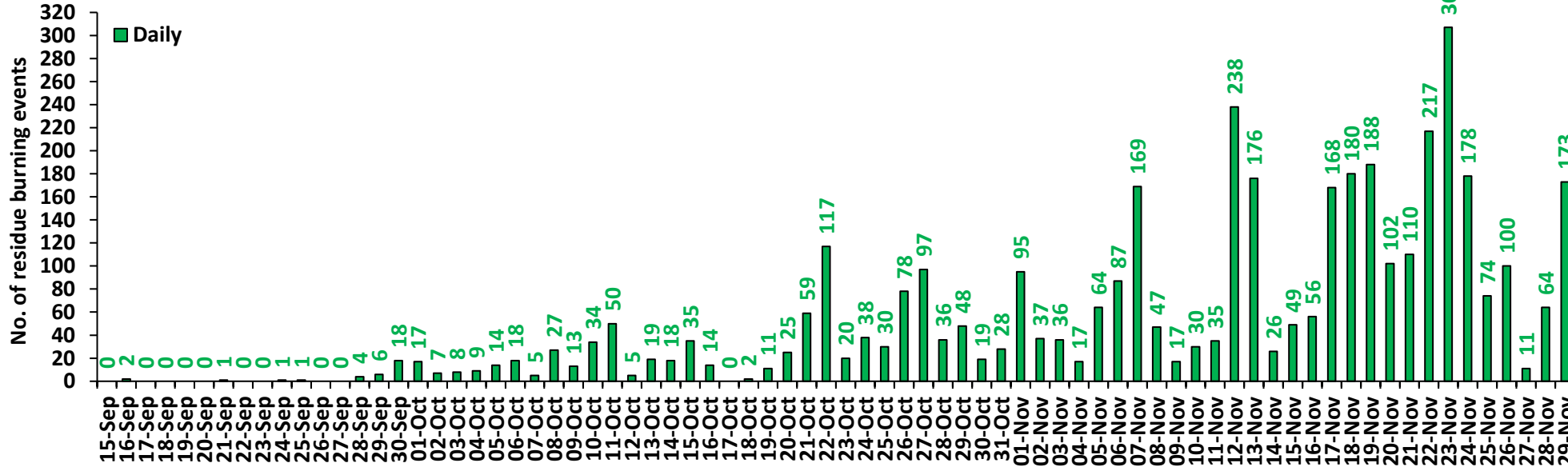
Temporal distribution of rice residue burning events for the study States in 2023



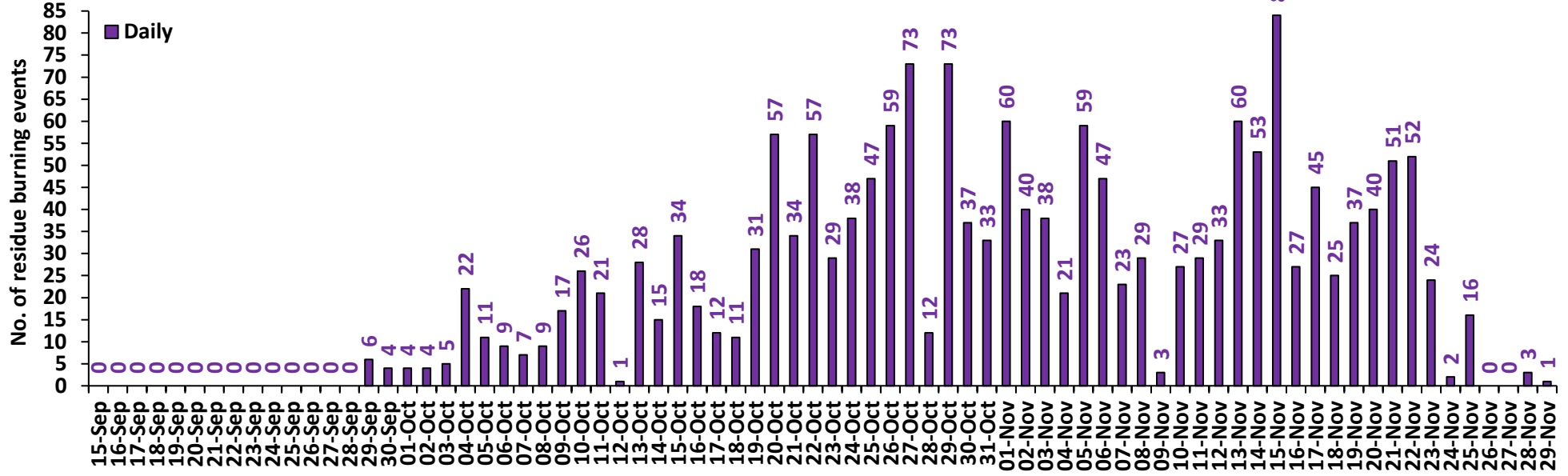
Haryana



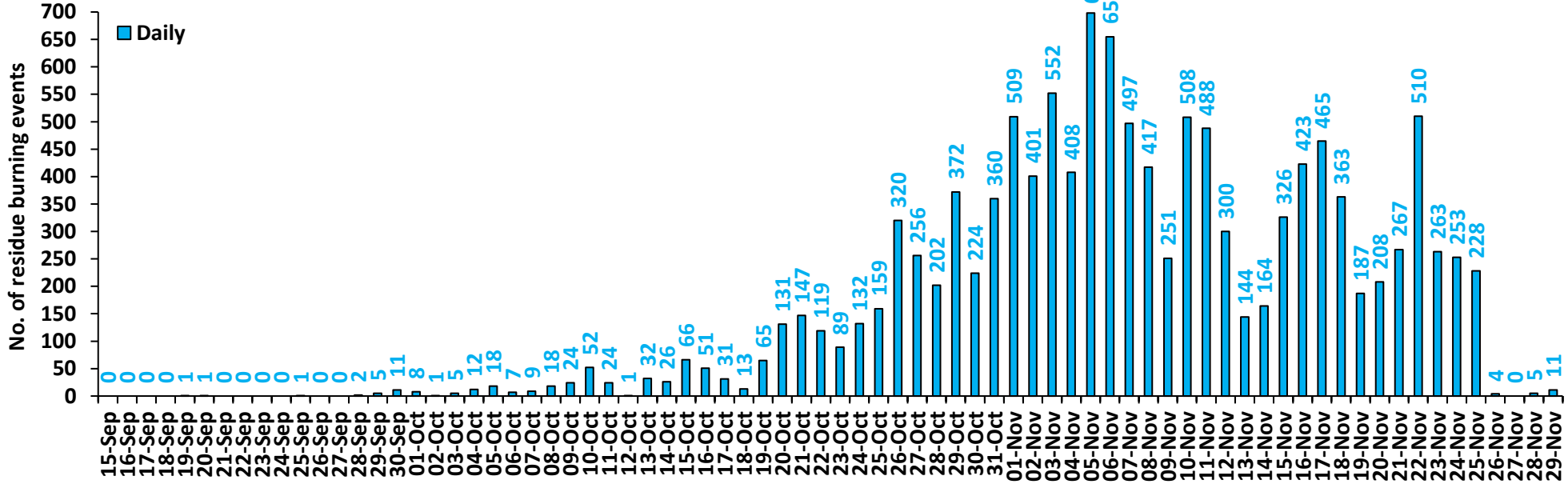
Uttar Pradesh



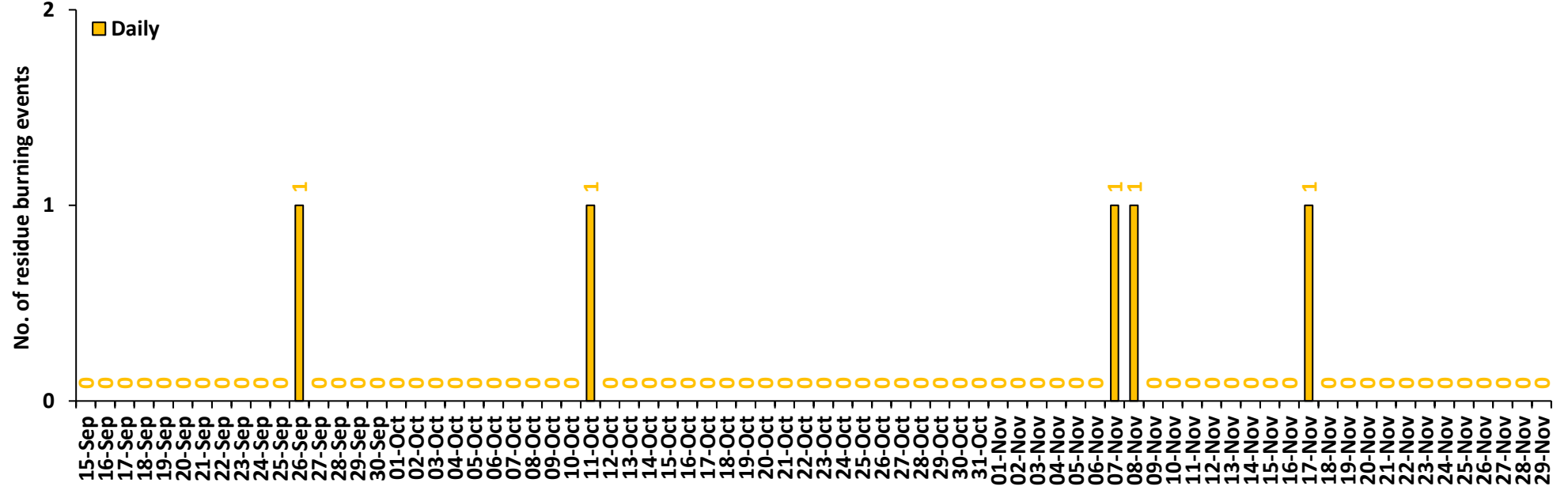
Rajasthan



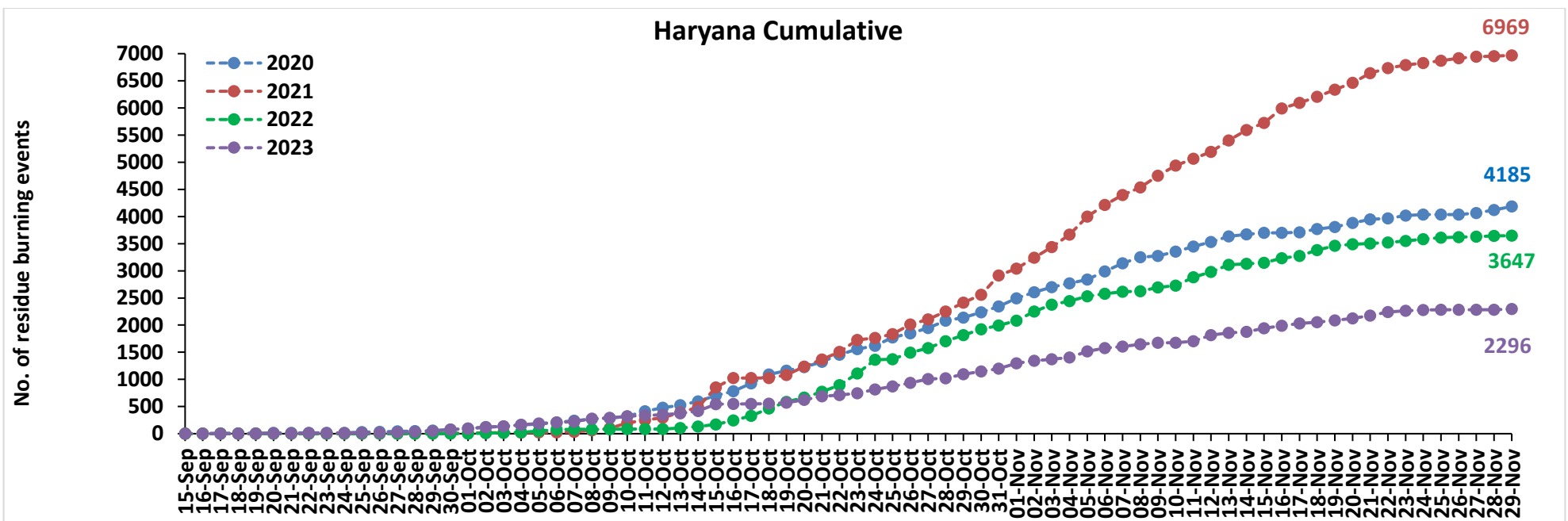
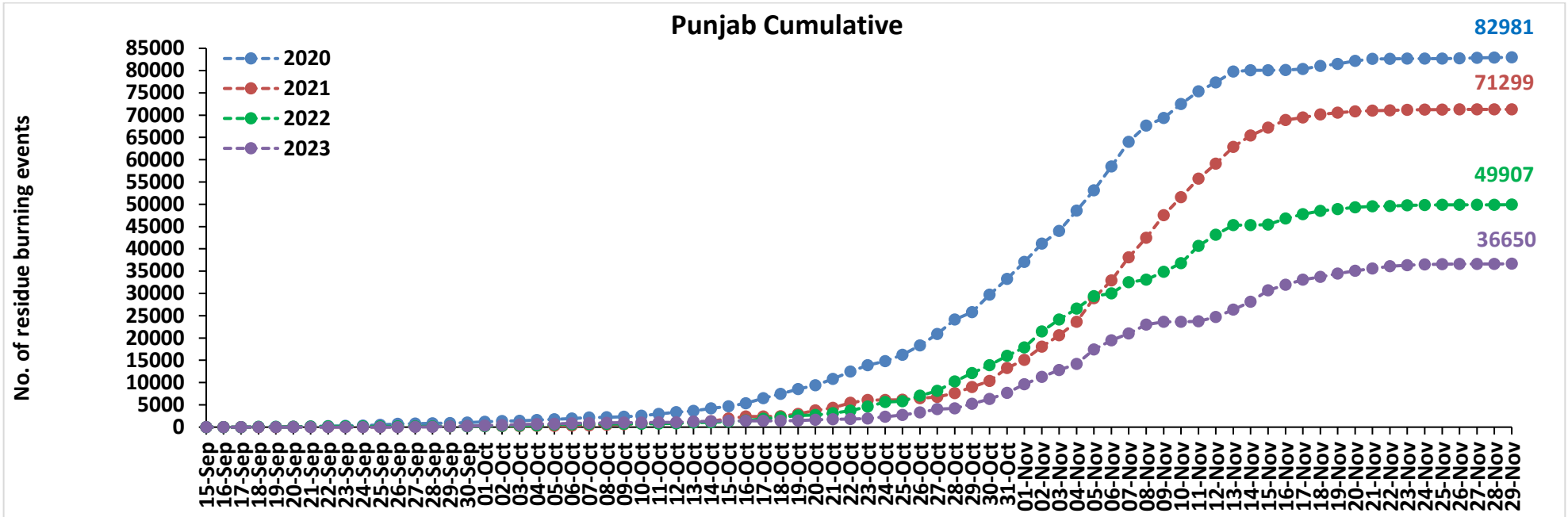
Madhya Pradesh



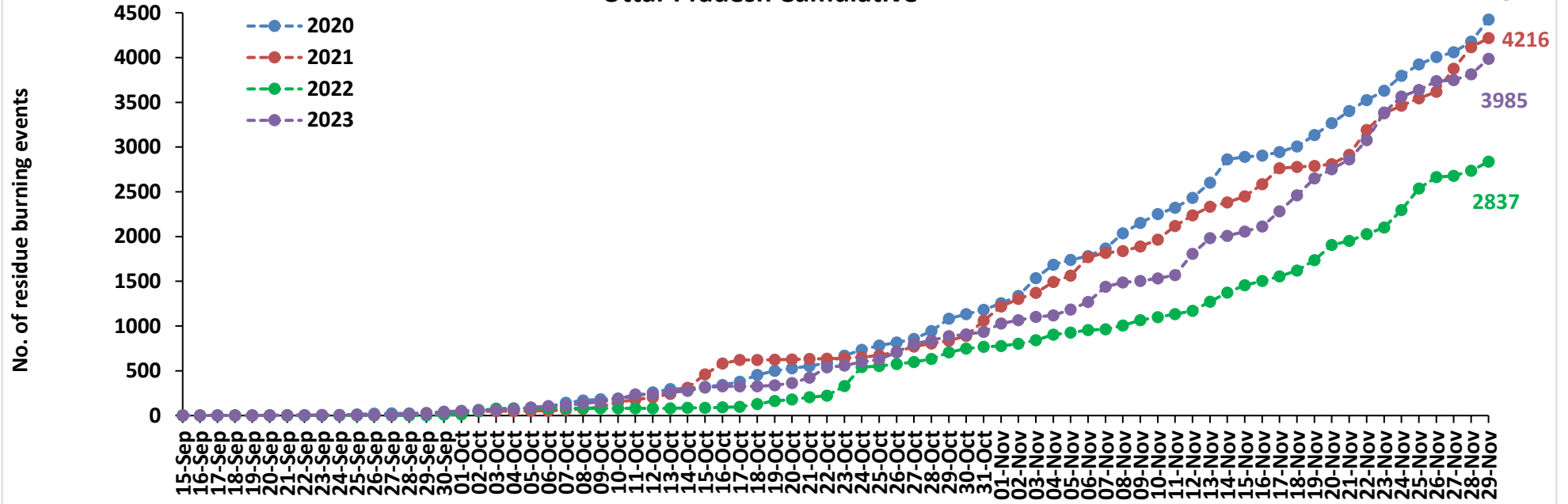
Delhi



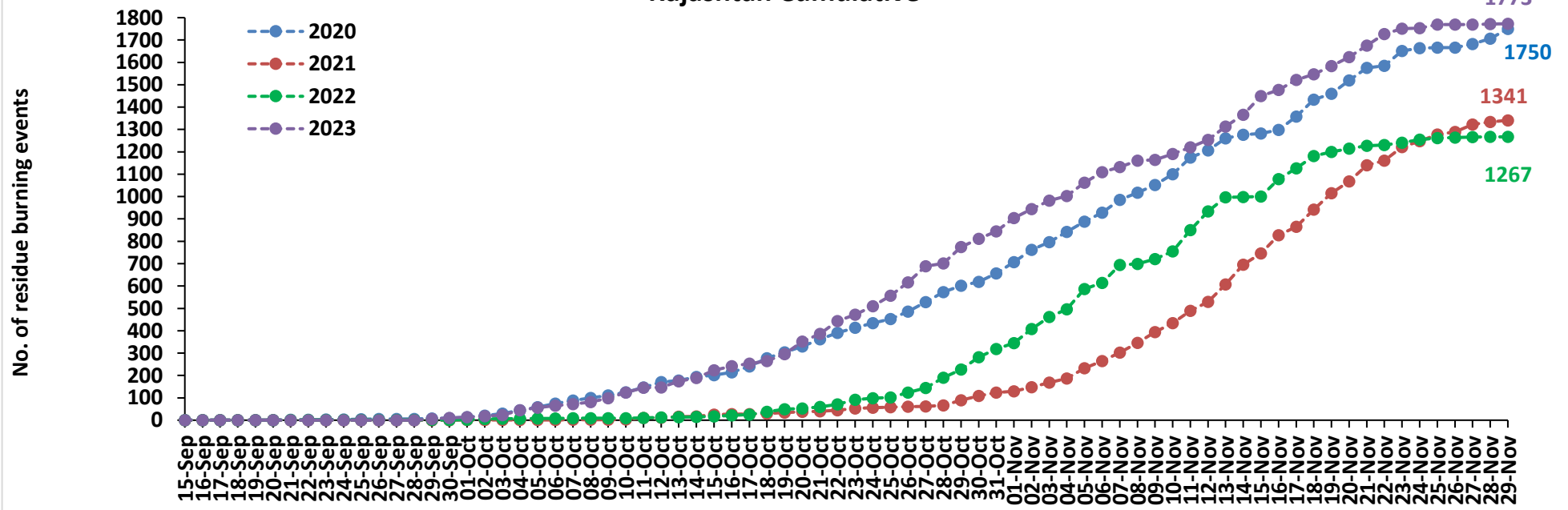
Comparison of residue burning events in current year (2023) with previous years (2020, 2021 and 2022) for the study State



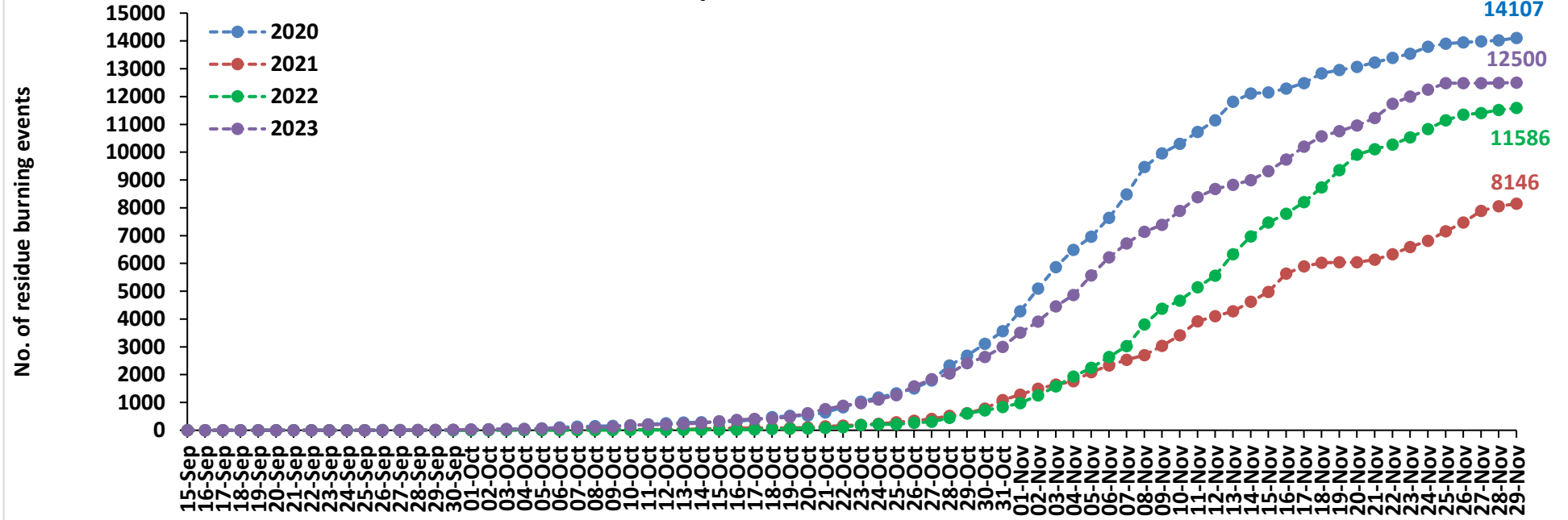
Uttar Pradesh Cumulative



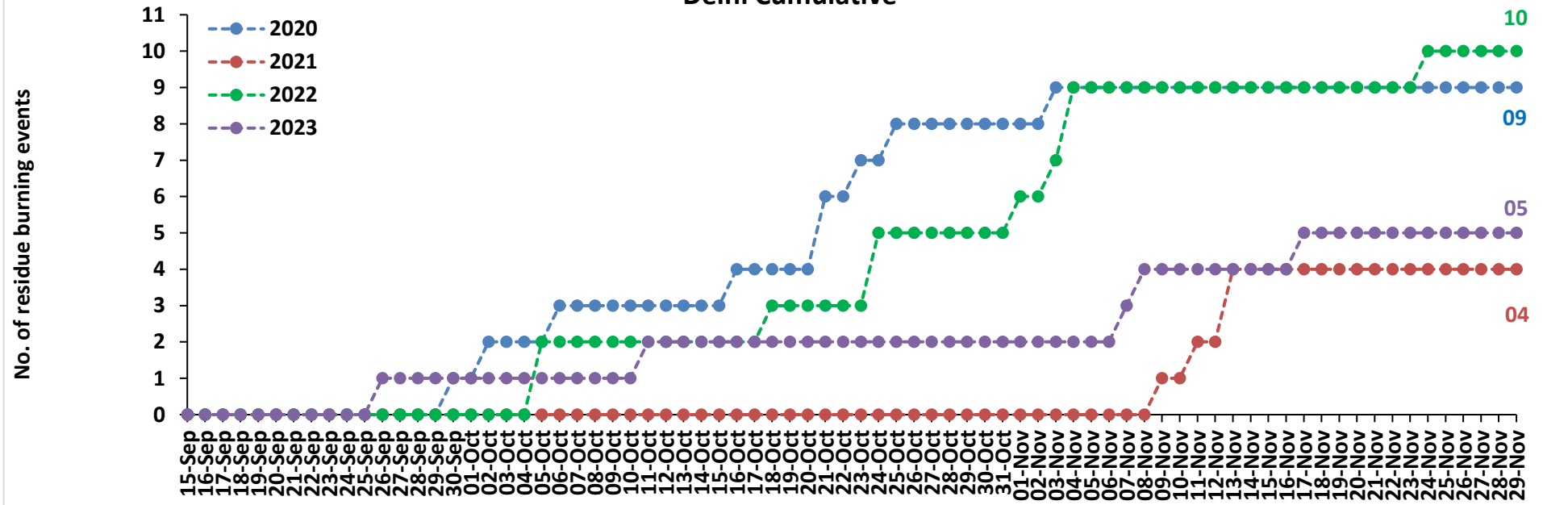
Rajasthan Cumulative



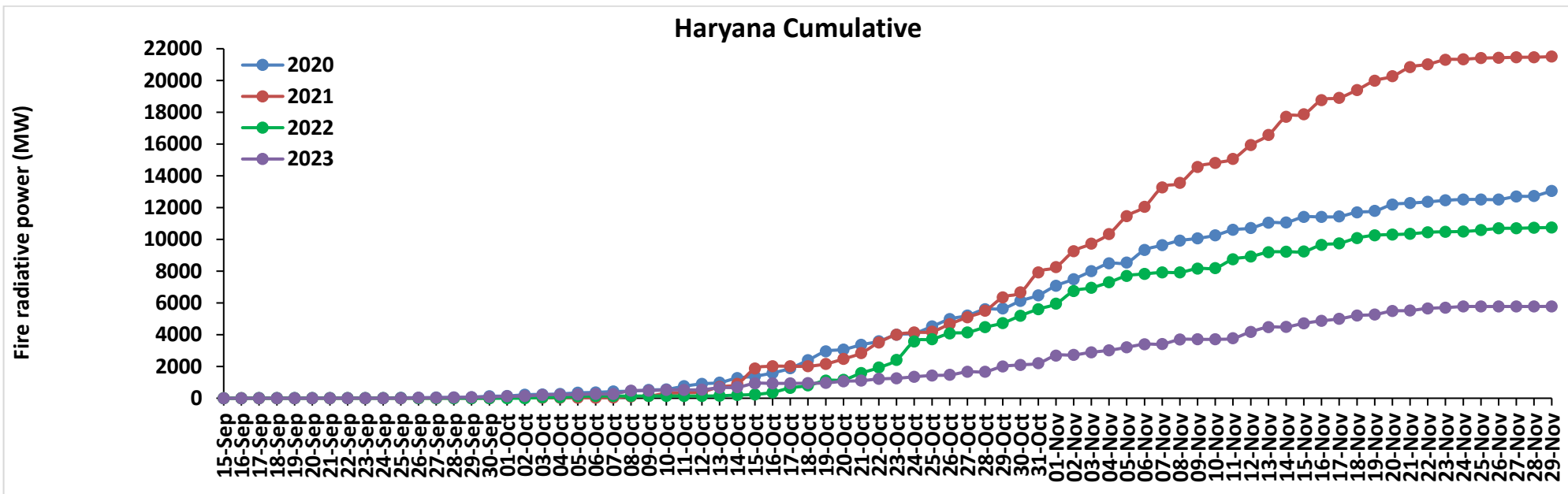
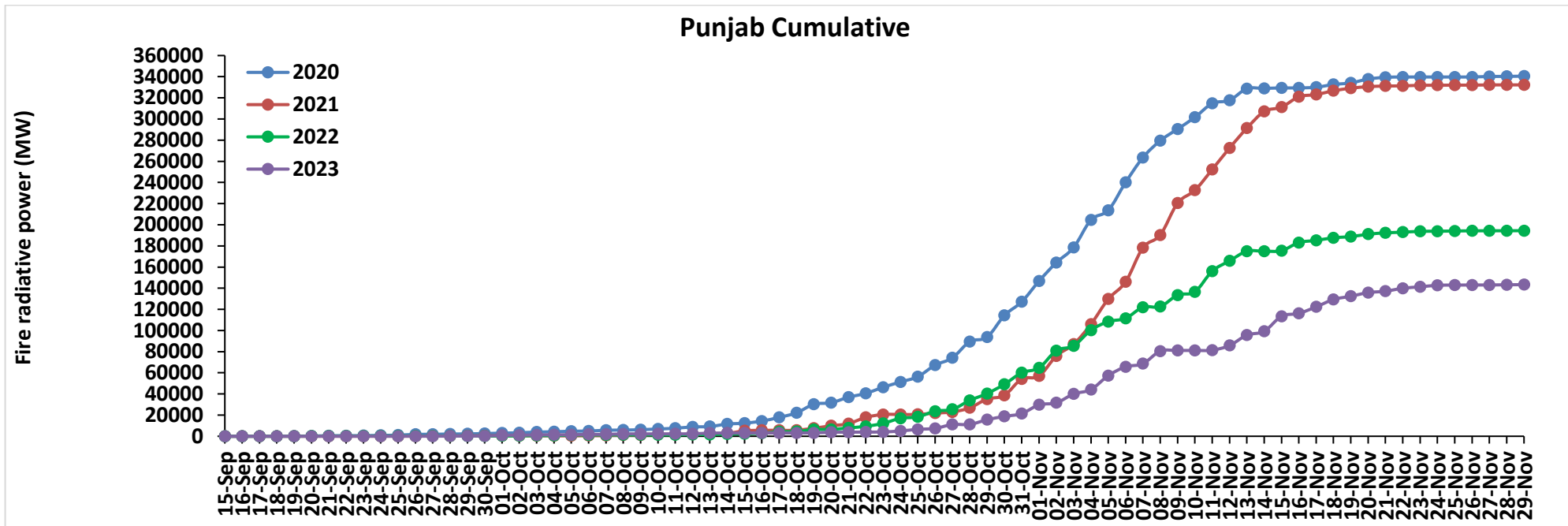
Madhya Pradesh Cumulative



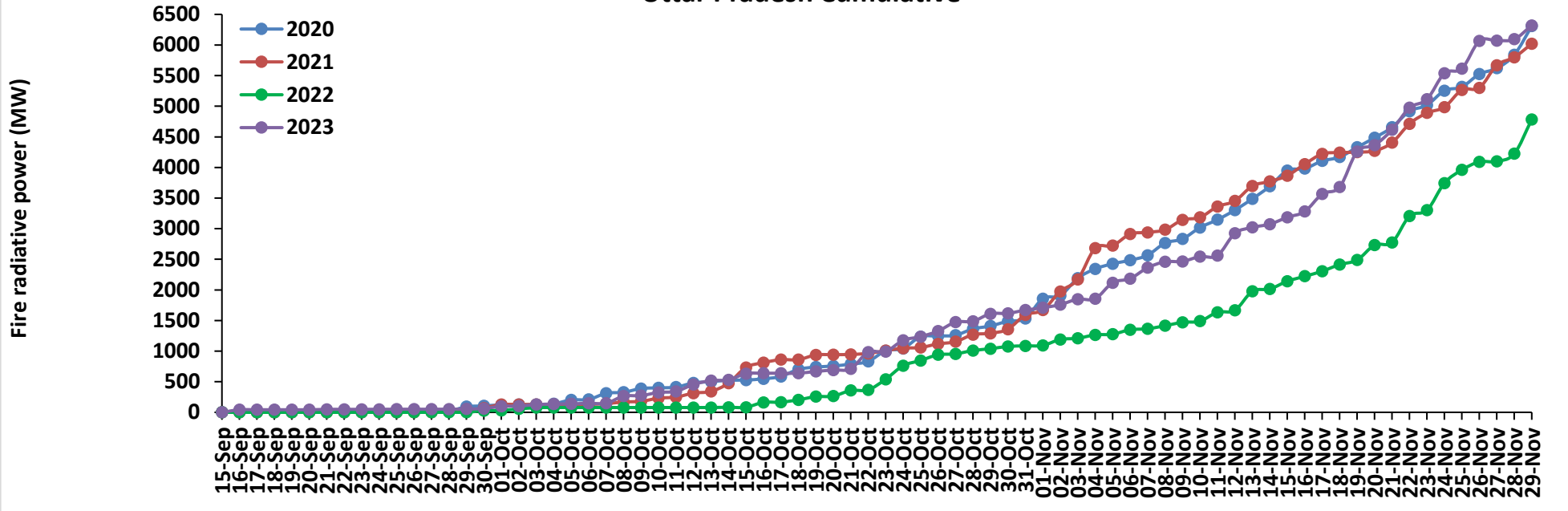
Delhi Cumulative



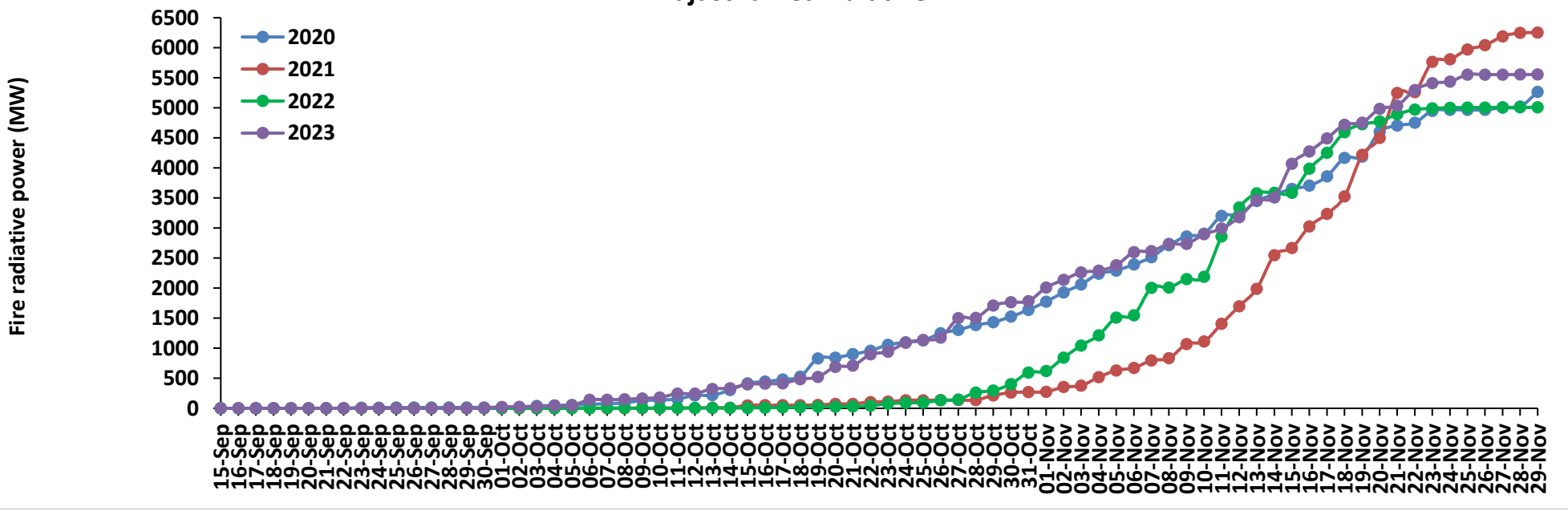
Comparison of residue burning fire power in current year (2023) with previous years (2020, 2021 and 2022) for the study States



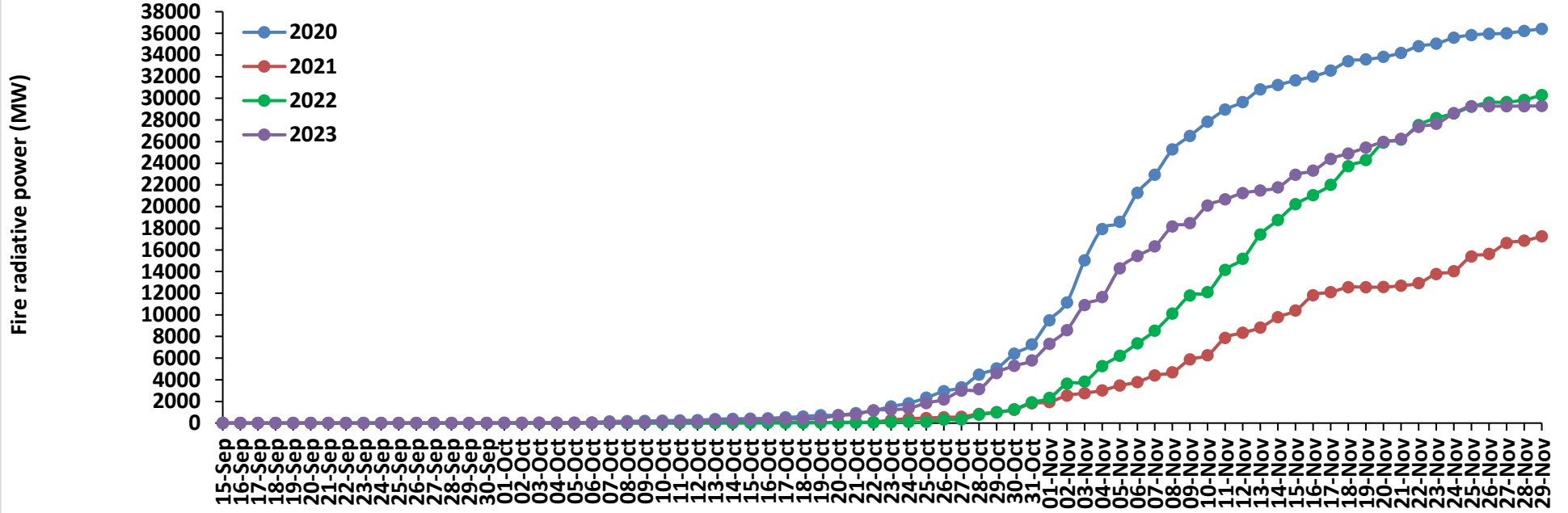
Uttar Pradesh Cumulative



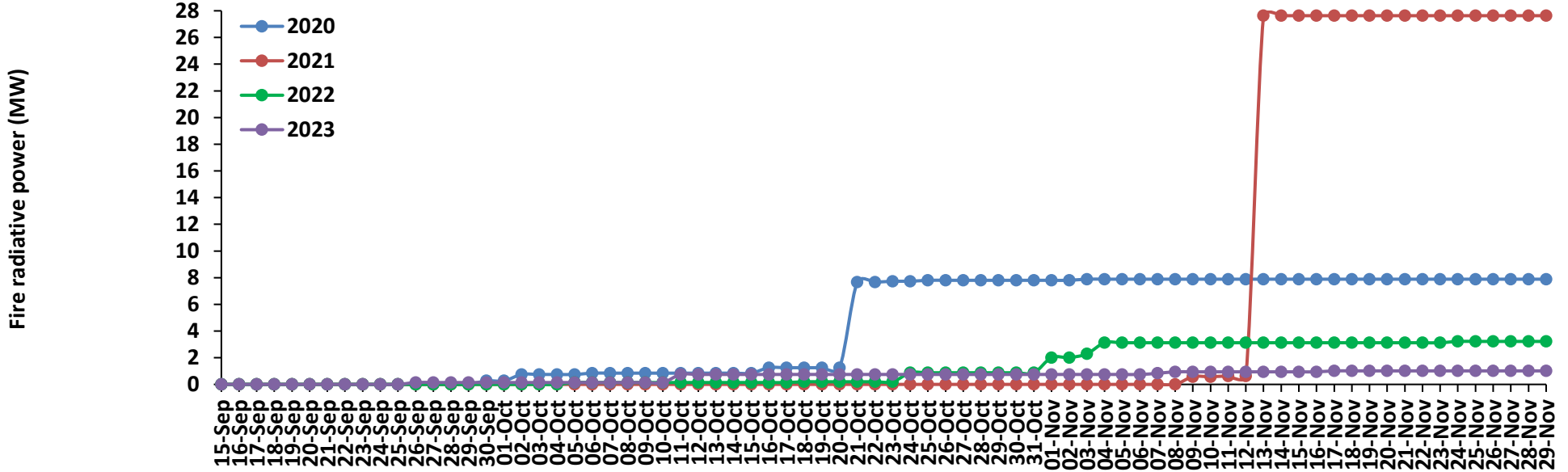
Rajasthan Cumulative



Madhya Pradesh Cumulative

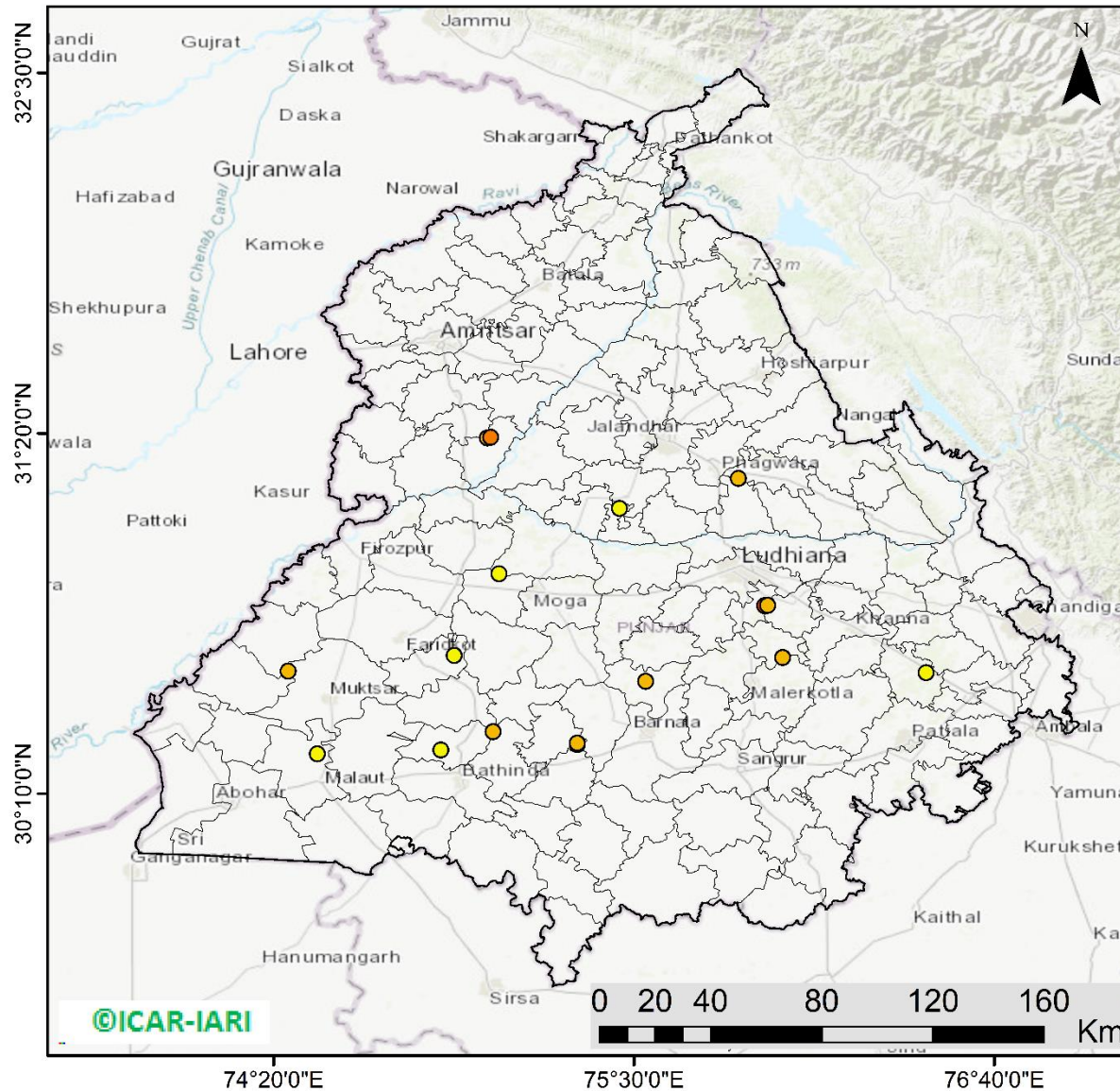


Delhi Cumulative



Punjab

RICE RESIDUE BURNING IN PUNJAB



18 burning events detected in Punjab during (29th Nov 2023)

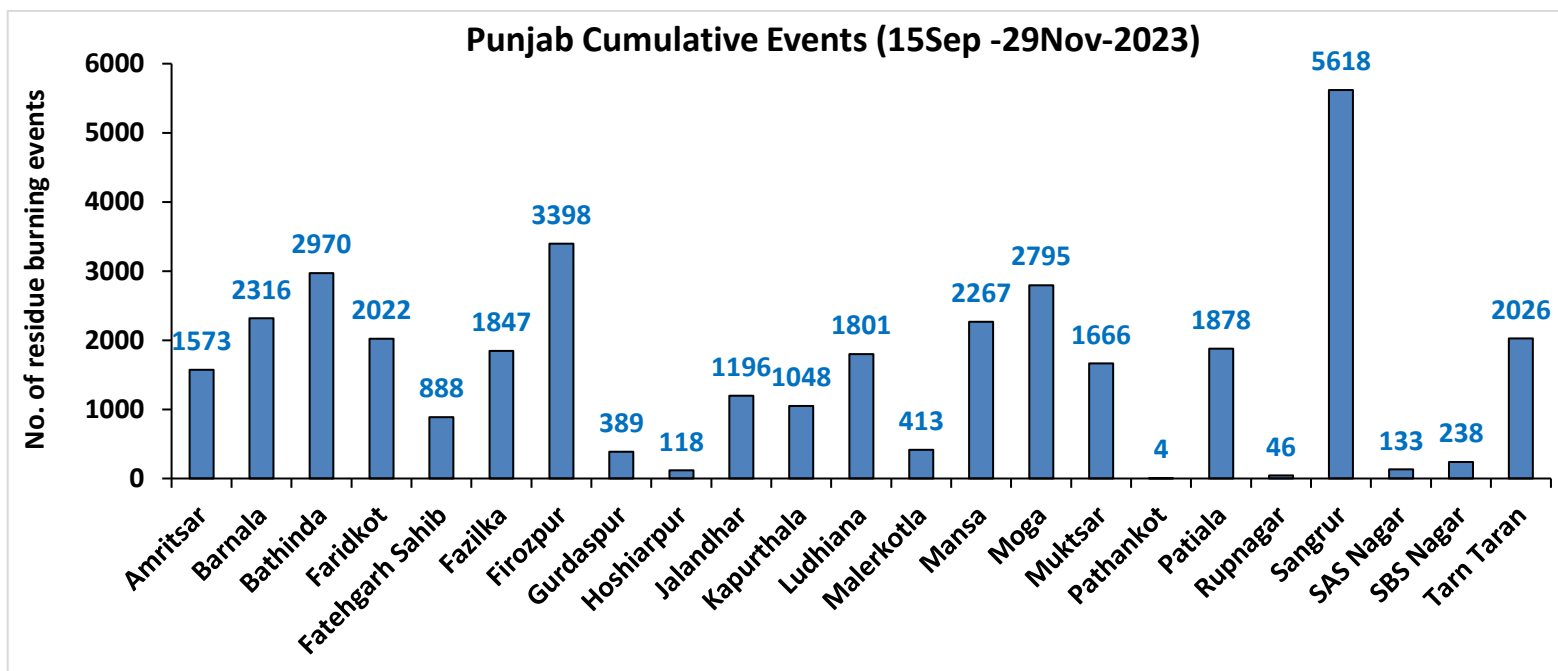
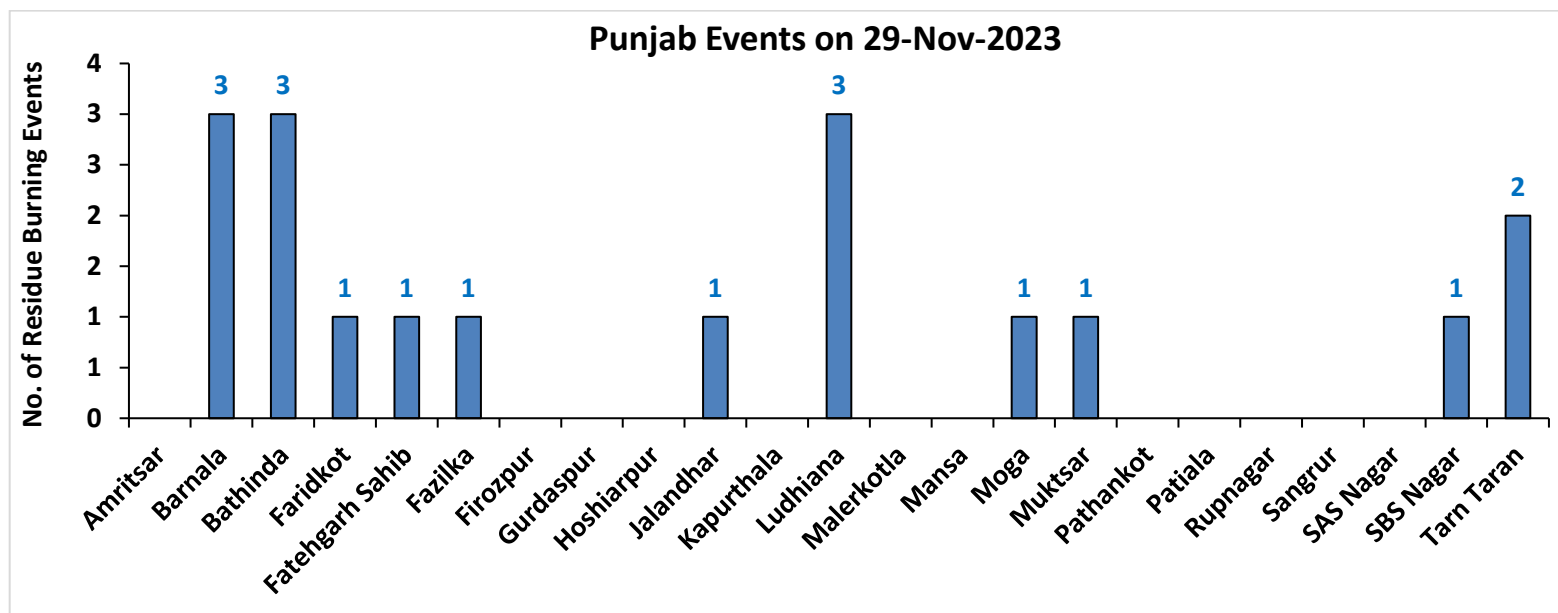
Fire Intensity (W/m²)

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



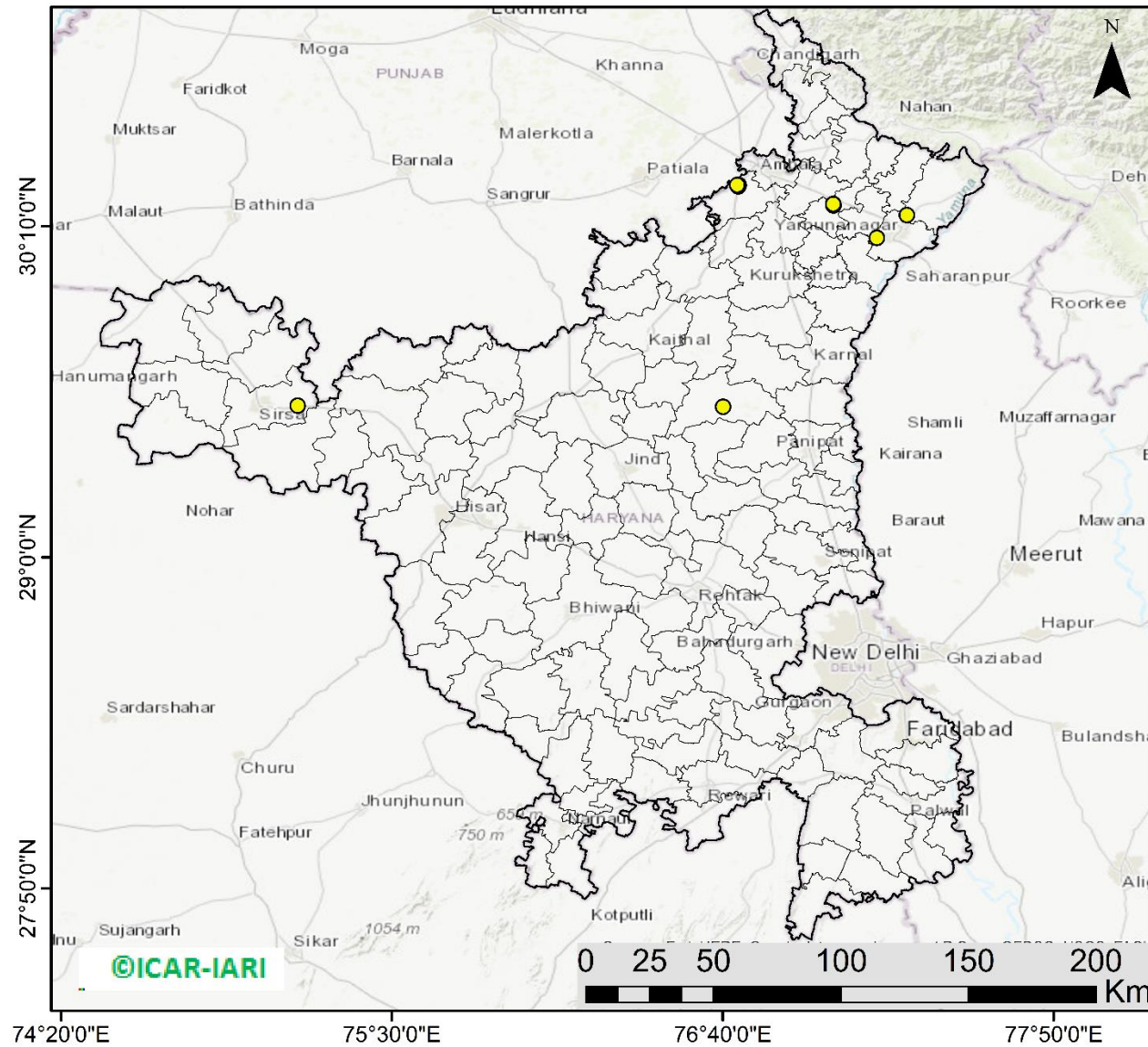
<http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

District-wise cumulative number of residues burning events in Punjab (15Sep- 29Nov-2023)



Haryana

RICE RESIDUE BURNING IN HARYANA



11 burning events detected in Haryana on (29th Nov 2023)

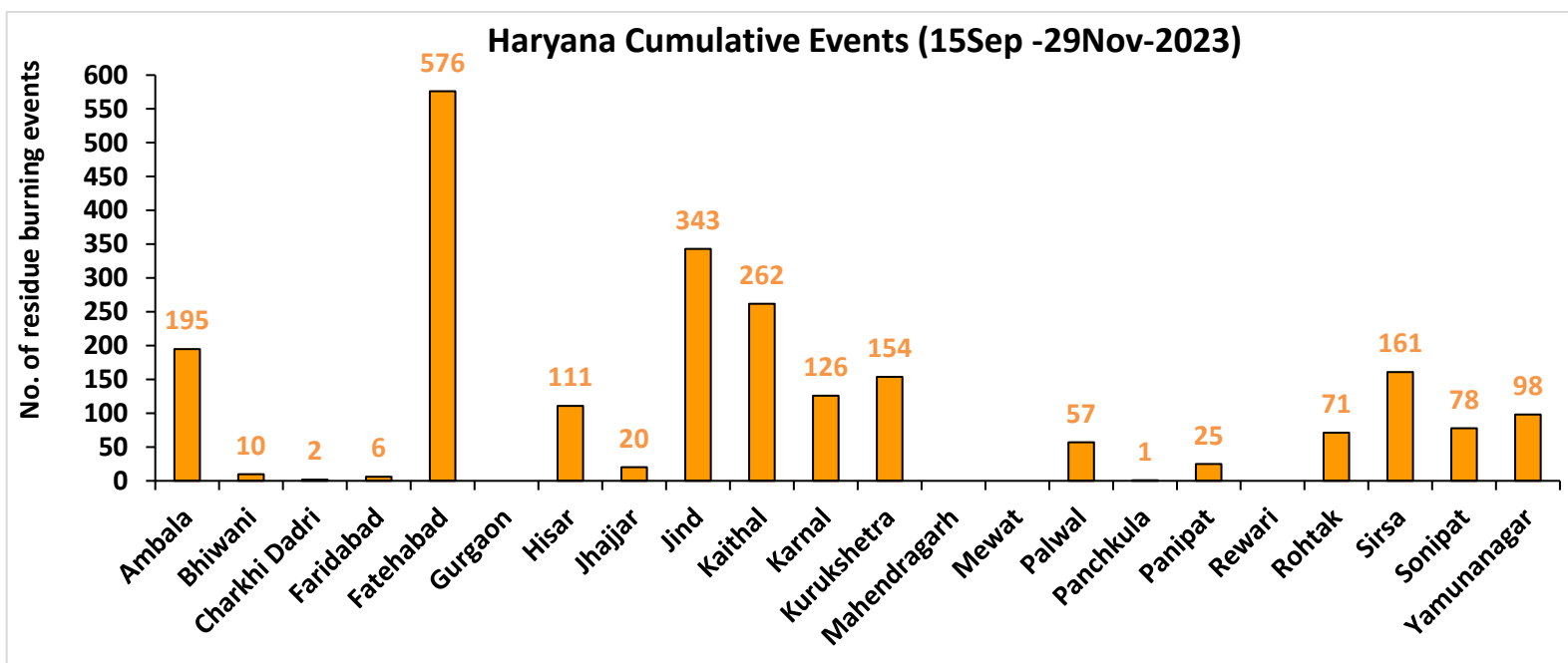
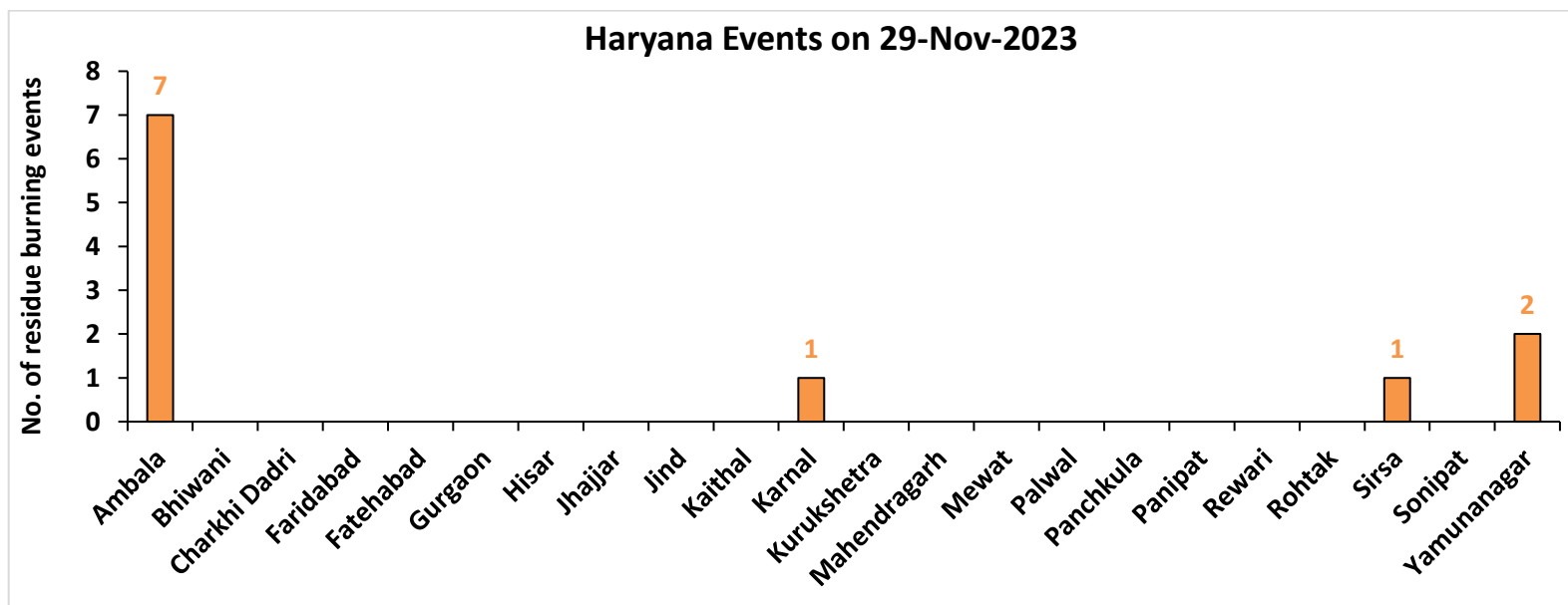
Fire Intensity (W/m²)

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



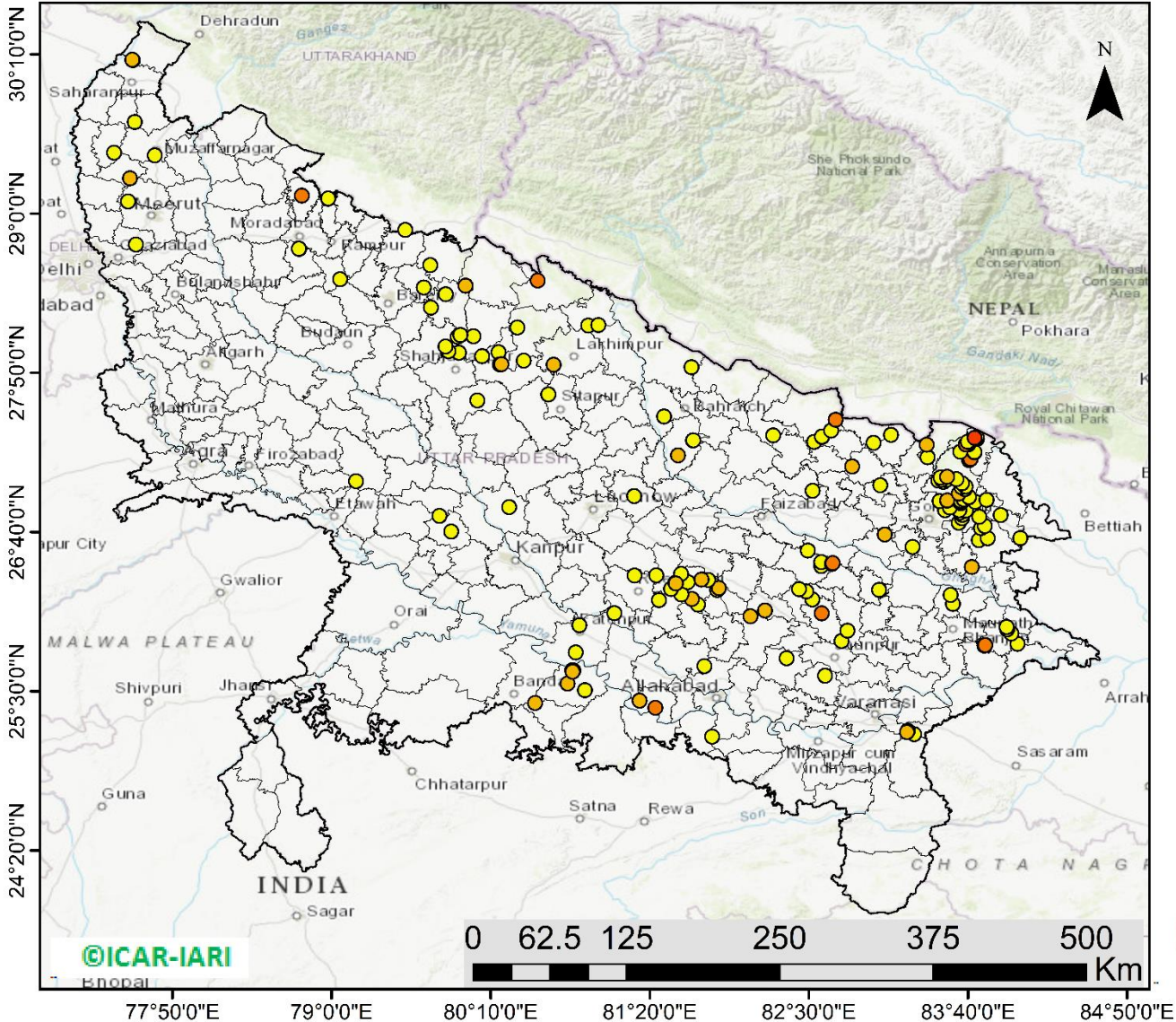
<http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

District-wise cumulative number of residues burning events in Haryana (15Sep- 29Nov-2023)



Uttar Pradesh

RICE RESIDUE BURNING IN UTTAR PRADESH



173 burning events detected in Uttar Pradesh on (29th Nov 2023)

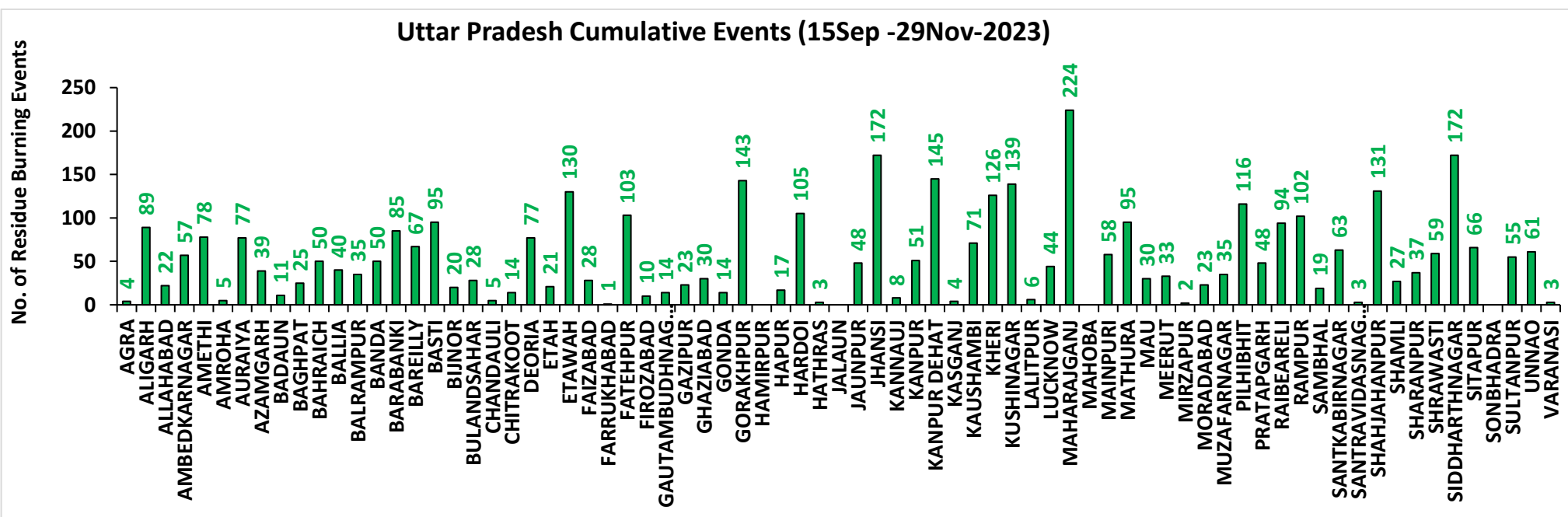
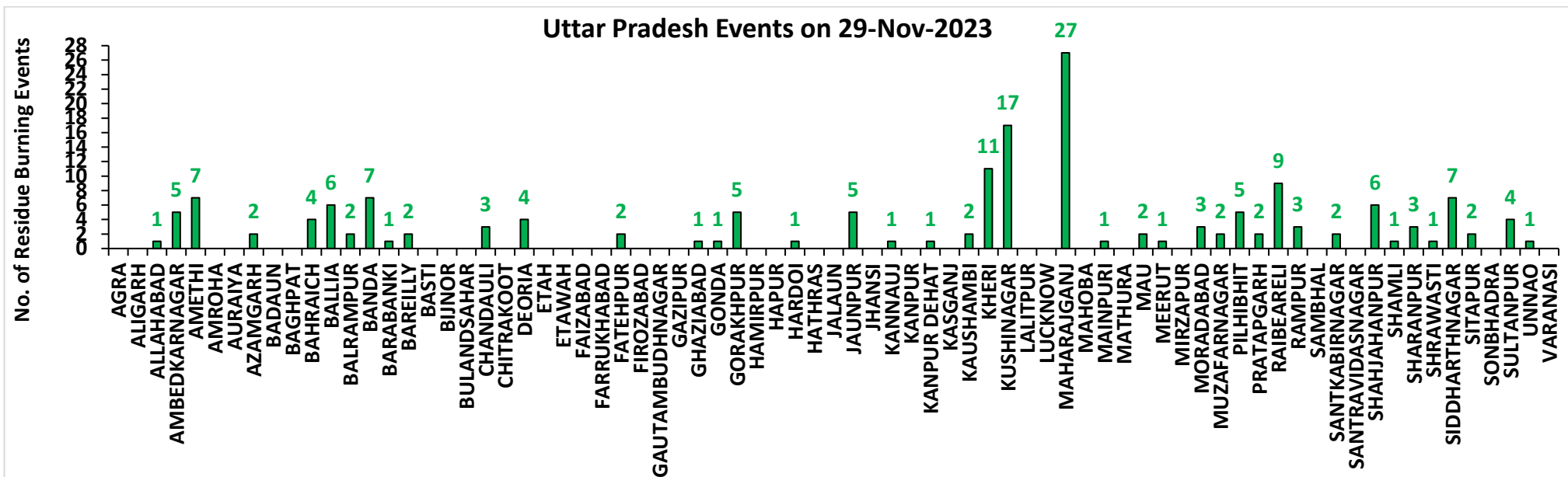
Fire Intensity (W/m2)

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



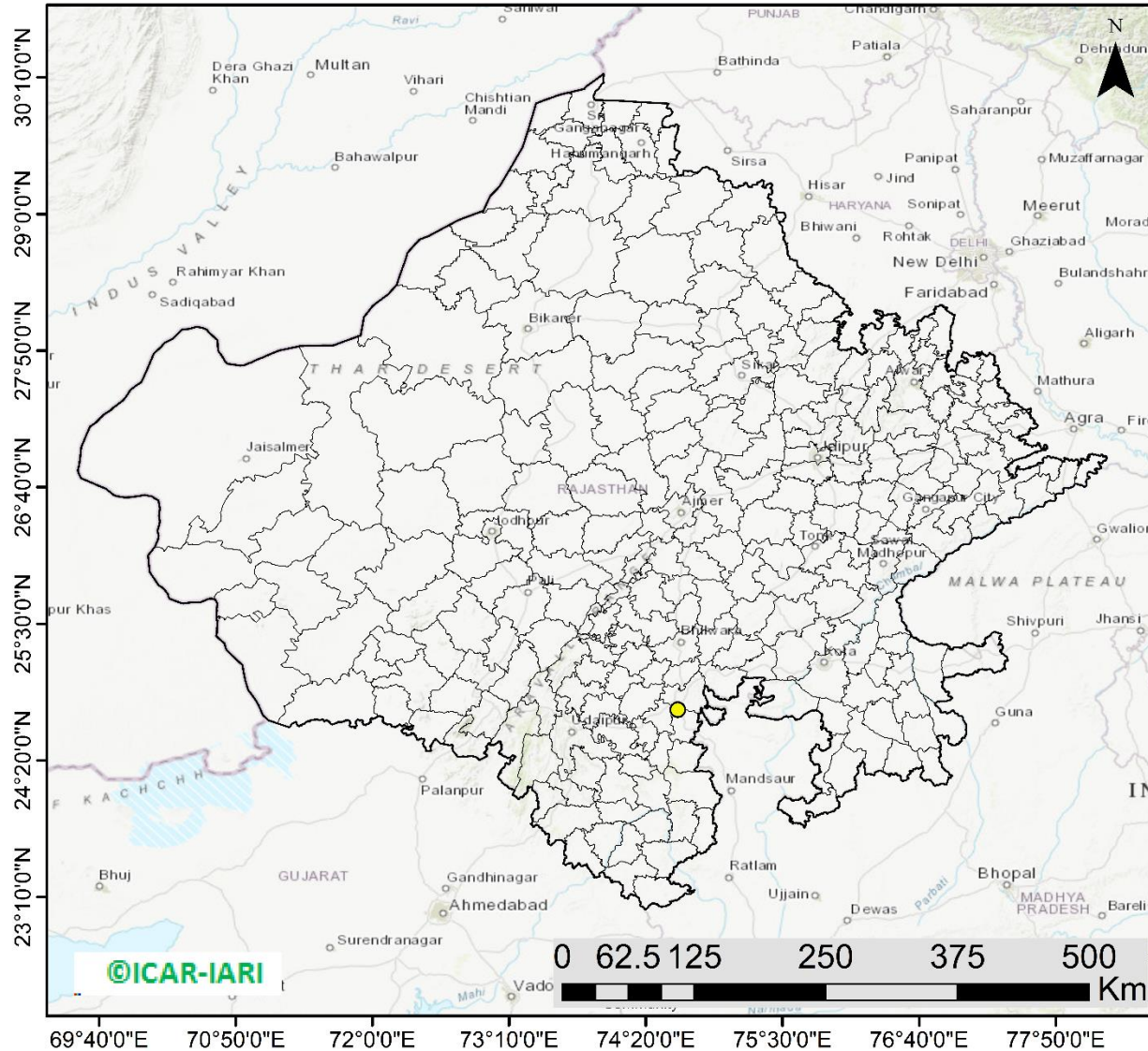
<http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

District-wise cumulative number of residues burning events in Uttar Pradesh (15Sep-29Nov -2023)



Rajasthan

RICE RESIDUE BURNING IN RAJASTHAN



01 burning events
detected in Rajasthan on
(29th Nov 2023)

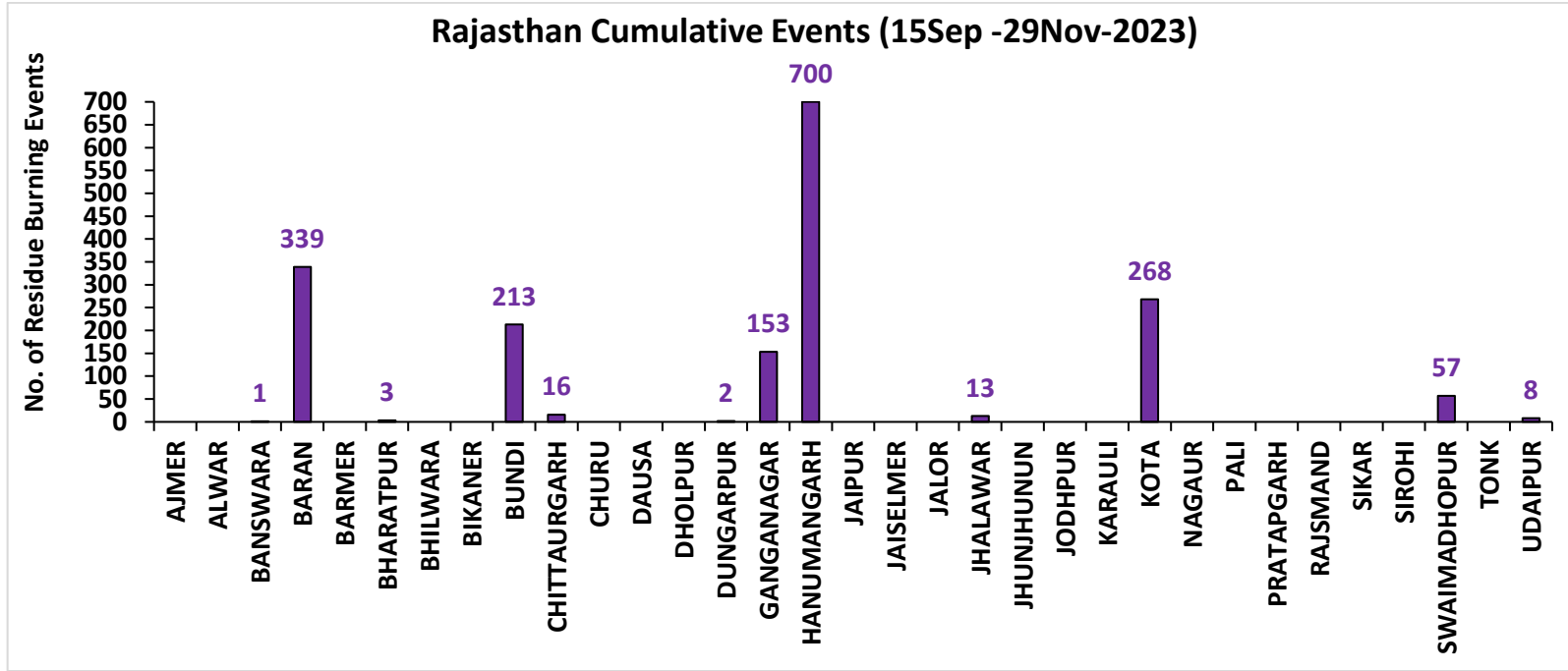
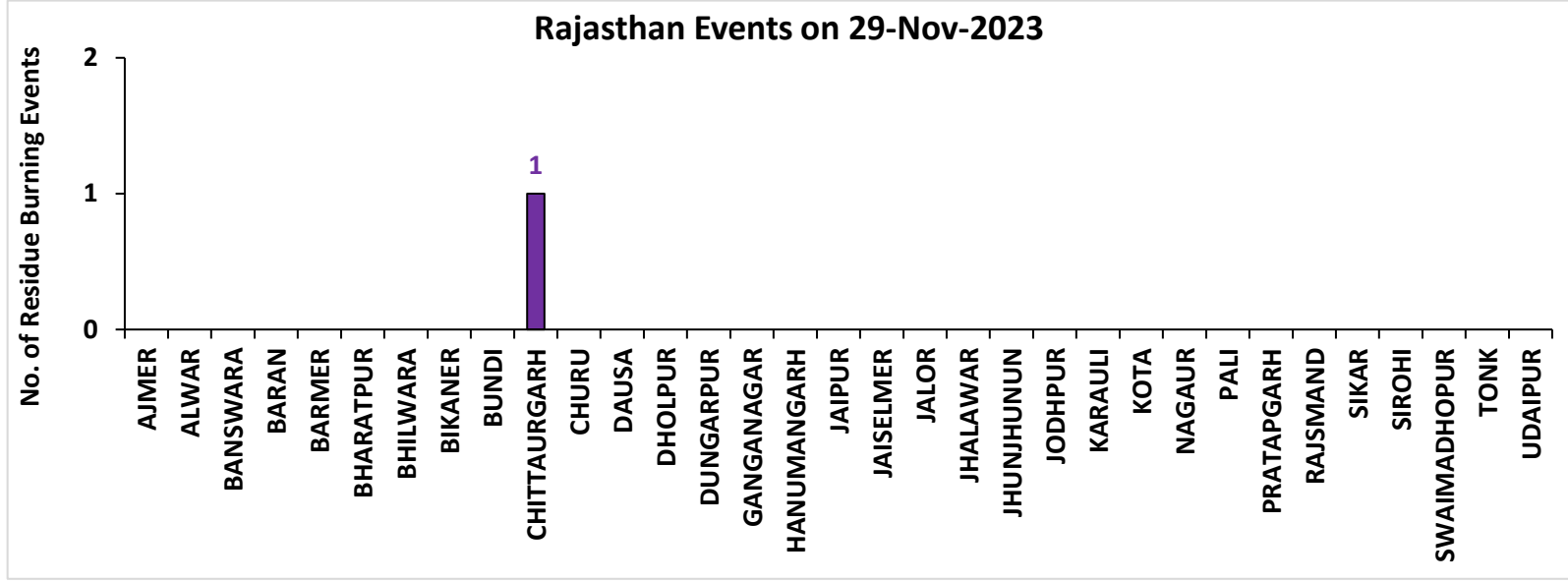
Fire Intensity (W/m²)

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



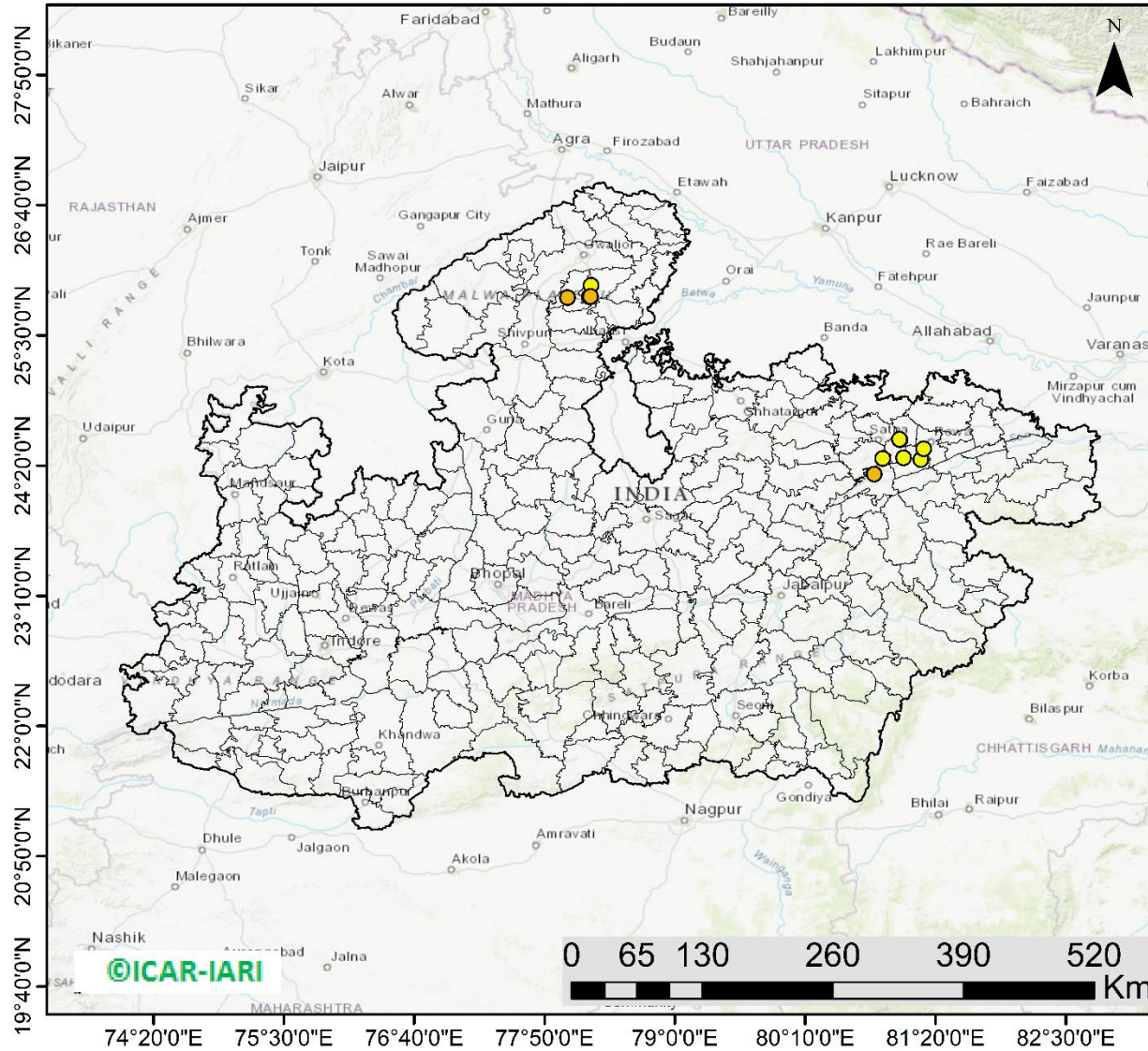
<http://geoportal.icar.gov.in:8080/geoexplorer/composer/>

District-wise cumulative number of residues burning events in Rajasthan (15Sep-29Nov -2023)



Madhya Pradesh

RICE RESIDUE BURNING IN MADHYA PRADESH



11 burning events detected in MP on (29th Nov 2023)

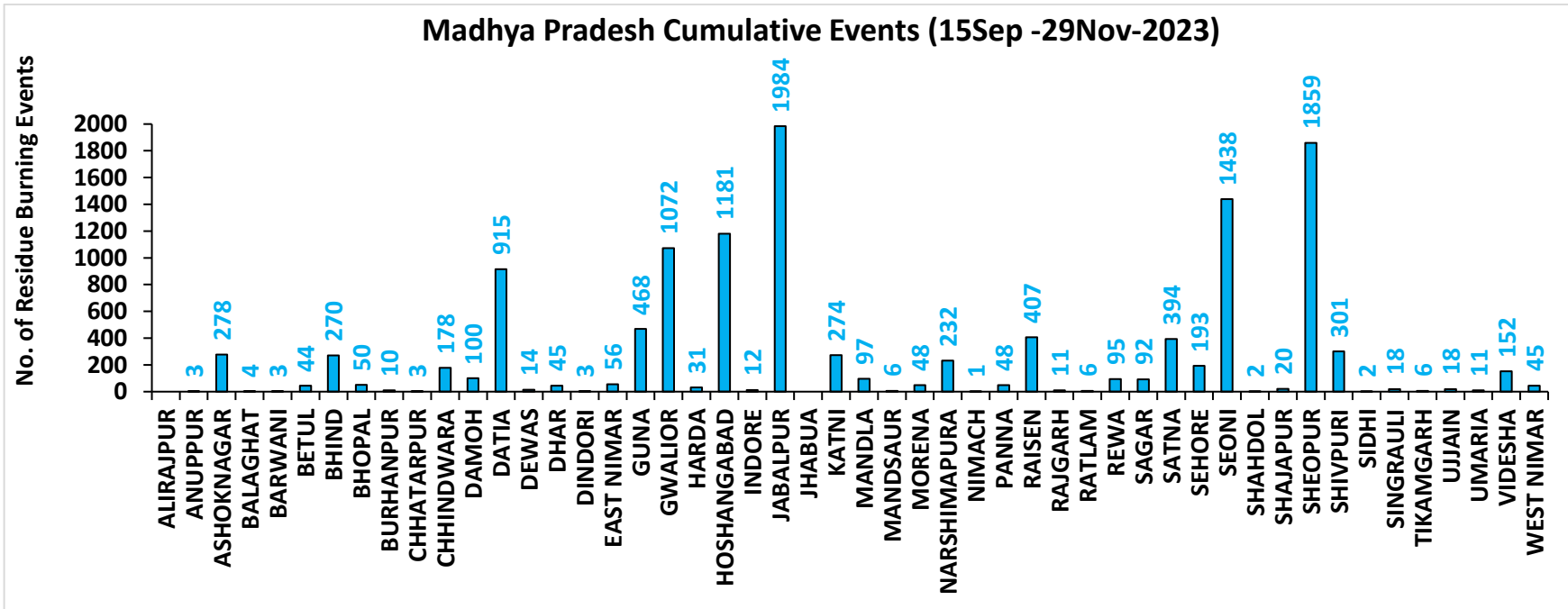
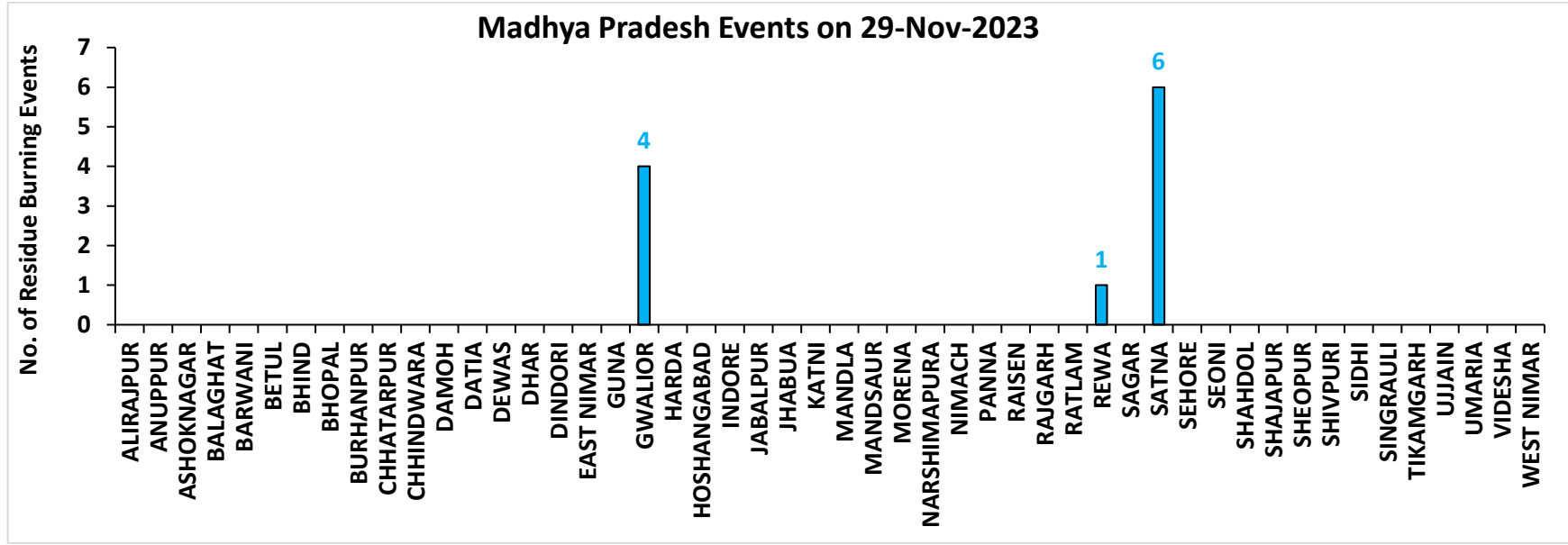
Fire Intensity (W/m²)

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



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

District-wise cumulative number of residues burning events in Madhya Pradesh (15Sep-29Nov -2023)



District-wise cumulative number of residues burning events detected in 2020, 2021, 2022 and 2023
(Period: 15 September-29 November)

(a) Punjab

| District | 15 Sep-29 Nov | | | |
|-----------------|---------------|--------------|--------------|--------------|
| | 2020 | 2021 | 2022 | 2023 |
| Amritsar | 3066 | 2174 | 1542 | 1573 |
| Barnala | 5342 | 4326 | 2910 | 2316 |
| Bathinda | 5238 | 4481 | 4592 | 2970 |
| Faridkot | 4734 | 3953 | 2693 | 2022 |
| Fatehgarh Sahib | 1536 | 1723 | 1149 | 888 |
| Fazilka | 2612 | 2389 | 2593 | 1847 |
| Firozpur | 8525 | 6289 | 4558 | 3398 |
| Gurdaspur | 2130 | 1395 | 847 | 389 |
| Hoshiarpur | 387 | 331 | 258 | 118 |
| Jalandhar | 1949 | 2548 | 1387 | 1196 |
| Kapurthala | 1885 | 1797 | 1279 | 1048 |
| Ludhiana | 5062 | 5815 | 2681 | 1801 |
| Malerkotla* | -- | -- | -- | 413 |
| Mansa | 3786 | 3217 | 2815 | 2267 |
| Moga | 7418 | 6515 | 3609 | 2795 |
| Muktsar | 5071 | 4598 | 3879 | 1666 |
| Pathankot | 13 | 6 | 1 | 4 |
| Patiala | 6433 | 5426 | 3395 | 1878 |
| Rupnagar | 205 | 307 | 246 | 46 |
| Sangrur# | 11726 | 9389 | 5916 | 5618 |
| SAS NAGAR | 127 | 148 | 103 | 133 |
| SBS Nagar | 131 | 355 | 270 | 238 |
| Tarn Taran | 5605 | 4117 | 3184 | 2026 |
| Total | 82981 | 71299 | 49907 | 36650 |

(b) Haryana

| District | 15 Sep-29 Nov | | | |
|---------------|---------------|-------------|-------------|-------------|
| | 2020 | 2021 | 2022 | 2023 |
| AMBALA | 346 | 307 | 224 | 195 |
| BHIWANI | 5 | 12 | 9 | 10 |
| CHARKHI DADRI | 0 | 0 | 1 | 2 |
| FARIDABAD | 1 | 3 | 1 | 6 |
| FATEHABAD | 878 | 1477 | 766 | 576 |
| GURGAON | 0 | 0 | 0 | 0 |
| HISAR | 56 | 241 | 115 | 111 |
| JHAJJAR | 6 | 7 | 8 | 20 |
| JIND | 346 | 915 | 531 | 343 |
| KAITHAL | 840 | 1155 | 641 | 262 |
| KARNAL | 591 | 955 | 300 | 126 |
| KURUKSHETRA | 406 | 538 | 301 | 154 |
| MAHENDRAGARH | 0 | 0 | 0 | 0 |
| MEWAT | 0 | 0 | 0 | 0 |
| PALWAL | 46 | 115 | 51 | 57 |
| PANCHKULA | 0 | 0 | 0 | 1 |
| PANIPAT | 53 | 252 | 83 | 25 |
| REWARI | 0 | 0 | 0 | 0 |
| ROHTAK | 50 | 78 | 66 | 71 |
| SIRSA | 347 | 549 | 305 | 161 |
| SONIPAT | 71 | 218 | 91 | 78 |
| YAMUNANAGAR | 143 | 147 | 154 | 98 |
| Total | 4185 | 6969 | 3647 | 2296 |

*Malerkotla events are included in Sangrur events in 2020, 2021, 2022.

Sangrur events in 2023 do not include Malerkotla events.

(c) Uttar Pradesh

| District | 15 Sep-29 Nov | | | | | | | | | | | | | |
|---------------|---------------|------|------|------|-----------------|-----|-----|-----|-----|------------------|-------------|-------------|-------------|-------------|
| | 2020 | 2021 | 2022 | 2023 | GAUTAMBUDHNAGAR | 16 | 19 | 11 | 14 | MUZAFARNAGAR | 60 | 40 | 27 | 35 |
| AGRA | 7 | 0 | 0 | 4 | GAZIPUR | 31 | 30 | 30 | 23 | PILHIBHIT | 31 | 223 | 150 | 116 |
| ALIGARH | 113 | 40 | 44 | 89 | GHAZIABAD | 28 | 17 | 11 | 30 | PRATAPGARH | 44 | 43 | 32 | 48 |
| ALLAHABAD | 44 | 46 | 18 | 22 | GONDA | 12 | 13 | 1 | 14 | RAIBEARELI | 46 | 104 | 54 | 94 |
| AMBEDKARNAGAR | 46 | 40 | 46 | 57 | GORAKHPUR | 46 | 38 | 44 | 143 | RAMPUR | 165 | 193 | 106 | 102 |
| AMETHI | 11 | 33 | 23 | 78 | HAMIRPUR | 6 | 0 | 0 | 0 | SAMBHAL | 21 | 21 | 14 | 19 |
| AMROHA | 21 | 10 | 8 | 5 | HAPUR | 42 | 21 | 14 | 17 | SANTKABIRNAGAR | 32 | 24 | 16 | 63 |
| AURAIYA | 103 | 81 | 66 | 77 | HARDOI | 111 | 119 | 81 | 105 | SANTRAVIDASNAGAR | 4 | 6 | 5 | 3 |
| AZAMGARH | 65 | 43 | 29 | 39 | HATHRAS | 0 | 0 | 2 | 3 | SHAHJAHANPUR | 154 | 423 | 322 | 131 |
| BADAUN | 15 | 19 | 9 | 11 | JALAUN | 50 | 0 | 0 | 0 | SHAMLI | 50 | 48 | 22 | 27 |
| BAGHPAT | 24 | 23 | 15 | 25 | JAUNPUR | 52 | 44 | 35 | 48 | SHARANPUR | 106 | 88 | 28 | 37 |
| BAHRAICH | 110 | 60 | 23 | 50 | JHANSI | 378 | 173 | 122 | 172 | SHRAWASTI | 48 | 45 | 18 | 59 |
| BALLIA | 161 | 85 | 57 | 40 | KANNAUJ | 33 | 6 | 8 | 8 | SIDDHARTHANAGAR | 76 | 140 | 44 | 172 |
| BALRAMPUR | 69 | 21 | 13 | 35 | KANPUR | 40 | 39 | 30 | 51 | SITAPUR | 79 | 56 | 39 | 66 |
| BANDA | 47 | 15 | 22 | 50 | KANPUR DEHAT | 98 | 53 | 63 | 145 | SONBHADRA | 0 | 2 | 0 | 0 |
| BARABANKI | 36 | 73 | 59 | 85 | KASGANJ | 3 | 2 | 3 | 4 | SULTANPUR | 14 | 40 | 31 | 55 |
| BAREILLY | 91 | 69 | 70 | 67 | KAUSHAMBI | 101 | 92 | 51 | 71 | UNNAO | 50 | 34 | 38 | 61 |
| BASTI | 58 | 53 | 21 | 95 | KHERI | 198 | 184 | 156 | 126 | VARANASI | 2 | 5 | 0 | 3 |
| BIJNOR | 53 | 53 | 18 | 20 | KUSHINAGAR | 87 | 61 | 55 | 139 | Total | 4425 | 4216 | 2837 | 3985 |
| BULANDSAHAR | 69 | 15 | 25 | 28 | LALITPUR | 3 | 6 | 3 | 6 | | | | | |
| CHANDAULI | 39 | 24 | 11 | 5 | LUCKNOW | 35 | 34 | 16 | 44 | | | | | |
| CHITRAKOOT | 19 | 9 | 15 | 14 | MAHARAJGANJ | 58 | 209 | 183 | 224 | | | | | |
| DEORIA | 87 | 41 | 44 | 77 | MAHOBA | 27 | 0 | 0 | 0 | | | | | |
| ETAH | 17 | 10 | 8 | 21 | MAINPURI | 68 | 52 | 43 | 58 | | | | | |
| ETAWAH | 90 | 108 | 67 | 130 | MATHURA | 161 | 240 | 30 | 95 | | | | | |
| FAIZABAD | 16 | 13 | 8 | 28 | MAU | 42 | 23 | 13 | 30 | | | | | |
| FARRUKHABAD | 7 | 4 | 1 | 1 | MEERUT | 95 | 60 | 37 | 33 | | | | | |
| FATEHPUR | 132 | 108 | 102 | 103 | MIRZAPUR | 12 | 18 | 7 | 2 | | | | | |
| FIROZABAD | 27 | 17 | 10 | 10 | MORADABAD | 33 | 15 | 10 | 23 | | | | | |

(d) Delhi

| District | 15 Sep-29 Nov | | | |
|------------------|---------------|----------|-----------|----------|
| | 2020 | 2021 | 2022 | 2023 |
| CENTRAL | 0 | 0 | 0 | 0 |
| EAST | 0 | 0 | 0 | 0 |
| NEW DELHI | 0 | 0 | 0 | 0 |
| NORTH | 3 | 3 | 9 | 5 |
| NORTH EAST | 0 | 0 | 0 | 0 |
| NORTH WEST DELHI | 3 | 1 | 0 | 0 |
| SHAHADRA | 0 | 0 | 0 | 0 |
| SOUTH | 1 | 0 | 0 | 0 |
| SOUTH EAST | 0 | 0 | 0 | 0 |
| SOUTH WEST DELHI | 0 | 0 | 0 | 0 |
| WEST DELHI | 2 | 0 | 1 | 0 |
| Total | 9 | 4 | 10 | 5 |

(e) Rajasthan

| District | 15 Sep-29 Nov | | | |
|--------------|---------------|-------------|-------------|-------------|
| | 2020 | 2021 | 2022 | 2023 |
| AJMER | 3 | 0 | 0 | 0 |
| ALWAR | 10 | 0 | 0 | 0 |
| BANSWARA | 0 | 0 | 1 | 1 |
| BARAN | 167 | 13 | 77 | 339 |
| BARMER | 4 | 0 | 0 | 0 |
| BHARATPUR | 2 | 3 | 1 | 3 |
| BHILWARA | 11 | 0 | 0 | 0 |
| BIKANER | 1 | 0 | 0 | 0 |
| BUNDI | 128 | 87 | 180 | 213 |
| CHITTAURGARH | 5 | 13 | 8 | 16 |
| CHURU | 0 | 0 | 0 | 0 |
| DAUSA | 1 | 0 | 0 | 0 |
| DHOLPUR | 0 | 0 | 0 | 0 |
| DUNGARPUR | 0 | 0 | 2 | 2 |
| GANGANAGAR | 225 | 142 | 104 | 153 |
| HANUMANGARH | 948 | 990 | 677 | 700 |
| JAIPUR | 4 | 0 | 0 | 0 |
| JAISELMER | 5 | 0 | 0 | 0 |
| JALOR | 2 | 0 | 0 | 0 |
| JHALAWAR | 10 | 1 | 12 | 13 |
| JHUNJHUNUN | 1 | 0 | 0 | 0 |
| JODHPUR | 5 | 0 | 0 | 0 |
| KARAULI | 1 | 0 | 0 | 0 |
| KOTA | 116 | 57 | 147 | 268 |
| NAGOUR | 4 | 0 | 0 | 0 |
| PALI | 12 | 0 | 0 | 0 |
| PRATAPGARH | 8 | 0 | 0 | 0 |
| RAJSMAND | 1 | 0 | 0 | 0 |
| SIKAR | 1 | 0 | 0 | 0 |
| SIROHI | 3 | 0 | 0 | 0 |
| SWAIMADHOPUR | 65 | 34 | 55 | 57 |
| TONK | 5 | 0 | 0 | 0 |
| UDAIPUR | 2 | 1 | 3 | 8 |
| Total | 1750 | 1341 | 1267 | 1773 |

(f) Madhya Pradesh

| District | 15 Sep-29 Nov | | | | | | | | |
|--------------|---------------|------|------|------|--------------|--------------|-------------|--------------|--------------|
| | 2020 | 2021 | 2022 | 2023 | | | | | |
| | | | | | PANNA | 50 | 23 | 39 | 48 |
| ALIRAJPUR | 0 | 0 | 0 | 0 | RAISEN | 615 | 361 | 460 | 407 |
| ANUPPUR | 3 | 2 | 6 | 3 | RAJGARH | 12 | 3 | 5 | 11 |
| ASHOKNAGAR | 156 | 90 | 188 | 278 | RATLAM | 10 | 7 | 3 | 6 |
| BALAGHAT | 9 | 6 | 4 | 4 | REWA | 138 | 120 | 97 | 95 |
| BARWANI | 6 | 0 | 0 | 3 | SAGAR | 28 | 31 | 55 | 92 |
| BETUL | 37 | 16 | 27 | 44 | SATNA | 576 | 526 | 483 | 394 |
| BHIND | 268 | 159 | 209 | 270 | SEHORE | 164 | 153 | 223 | 193 |
| BHOPAL | 52 | 40 | 43 | 50 | SEONI | 1233 | 894 | 1127 | 1438 |
| BURHANPUR | 16 | 3 | 5 | 10 | SHAHDOL | 3 | 1 | 3 | 2 |
| CHHATARPUR | 9 | 0 | 2 | 3 | SHAJAPUR | 22 | 0 | 0 | 20 |
| CHHINDWARA | 136 | 59 | 102 | 178 | SHEOPUR | 1861 | 1011 | 1800 | 1859 |
| DAMOH | 75 | 53 | 70 | 100 | SHIVPURI | 393 | 112 | 286 | 301 |
| DATIA | 1188 | 498 | 860 | 915 | SIDHI | 4 | 6 | 2 | 2 |
| DEWAS | 8 | 0 | 0 | 14 | SINGRAULI | 0 | 7 | 3 | 18 |
| DHAR | 47 | 0 | 0 | 45 | TIKAMGARH | 4 | 0 | 1 | 6 |
| DINDORI | 0 | 0 | 1 | 3 | UJJAIN | 18 | 0 | 0 | 18 |
| EAST NIMAR | 23 | 7 | 11 | 56 | UMARIA | 9 | 11 | 15 | 11 |
| GUNA | 70 | 12 | 124 | 468 | VIDESHA | 145 | 123 | 94 | 152 |
| GWALIOR | 2057 | 848 | 1581 | 1072 | WEST NIMAR | 68 | 12 | 20 | 45 |
| HARDA | 14 | 21 | 11 | 31 | Total | 14107 | 8146 | 11586 | 12500 |
| HOSHANGABAD | 1060 | 1067 | 1099 | 1181 | | | | | |
| INDORE | 4 | 0 | 0 | 12 | | | | | |
| JABALPUR | 2656 | 1419 | 1898 | 1984 | | | | | |
| JHABUA | 0 | 0 | 0 | 0 | | | | | |
| KATNI | 326 | 119 | 212 | 274 | | | | | |
| MANDLA | 152 | 118 | 146 | 97 | | | | | |
| MANDSAUR | 14 | 0 | 0 | 6 | | | | | |
| MORENA | 62 | 37 | 25 | 48 | | | | | |
| NARSHIMAPURA | 304 | 171 | 246 | 232 | | | | | |
| NIMACH | 2 | 0 | 0 | 1 | | | | | |

State-wise and date-wise number of paddy residue burning events detected in 2020, 2021, 2022 and 2023
(Period: 15 September-29 November)

Number of Paddy Residue Burning Events Detected

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

| | | | | | | | | | | | | |
|---------------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|
| 12-Oct | 388 | 97 | 104 | 13 | 69 | 51 | 4 | 5 | 46 | 23 | 0 | 5 |
| 13-Oct | 266 | 132 | 120 | 154 | 47 | 91 | 15 | 29 | 36 | 42 | 0 | 19 |
| 14-Oct | 605 | 229 | 82 | 89 | 69 | 98 | 30 | 41 | 9 | 68 | 5 | 18 |
| 15-Oct | 449 | 660 | 169 | 69 | 106 | 363 | 36 | 127 | 15 | 149 | 0 | 35 |
| 16-Oct | 654 | 429 | 206 | 0 | 80 | 176 | 76 | 4 | 21 | 121 | 6 | 14 |
| 17-Oct | 1172 | 14 | 403 | 1 | 143 | 0 | 86 | 0 | 38 | 39 | 7 | 0 |
| 18-Oct | 938 | 57 | 342 | 18 | 166 | 1 | 134 | 8 | 76 | 0 | 30 | 2 |
| 19-Oct | 1080 | 496 | 436 | 37 | 72 | 55 | 122 | 16 | 43 | 5 | 36 | 11 |
| 20-Oct | 890 | 788 | 96 | 174 | 62 | 155 | 78 | 51 | 31 | 1 | 17 | 25 |
| 21-Oct | 1392 | 597 | 393 | 146 | 101 | 131 | 107 | 68 | 25 | 5 | 23 | 59 |
| 22-Oct | 1665 | 1111 | 582 | 30 | 128 | 140 | 122 | 25 | 32 | 3 | 18 | 117 |
| 23-Oct | 1438 | 620 | 902 | 152 | 106 | 218 | 217 | 29 | 84 | 8 | 109 | 20 |
| 24-Oct | 911 | 0 | 1019 | 360 | 57 | 38 | 250 | 70 | 63 | 11 | 212 | 38 |
| 25-Oct | 1416 | 76 | 181 | 398 | 155 | 71 | 12 | 58 | 50 | 18 | 9 | 30 |
| 26-Oct | 2126 | 329 | 1238 | 589 | 77 | 175 | 123 | 67 | 33 | 41 | 23 | 78 |
| 27-Oct | 2563 | 279 | 1111 | 766 | 96 | 93 | 83 | 67 | 40 | 58 | 23 | 97 |
| 28-Oct | 3232 | 906 | 2067 | 127 | 139 | 149 | 123 | 14 | 87 | 35 | 34 | 36 |
| 29-Oct | 1624 | 1353 | 1898 | 1068 | 52 | 161 | 112 | 75 | 139 | 32 | 73 | 48 |
| 30-Oct | 3946 | 1373 | 1761 | 1030 | 100 | 148 | 112 | 52 | 50 | 53 | 43 | 19 |
| 31-Oct | 3531 | 2895 | 2131 | 1389 | 108 | 353 | 70 | 51 | 49 | 170 | 20 | 28 |
| 01-Nov | 3835 | 1796 | 1842 | 1921 | 151 | 124 | 88 | 99 | 74 | 157 | 9 | 95 |
| 02-Nov | 4098 | 3001 | 3634 | 1668 | 111 | 203 | 166 | 48 | 82 | 87 | 25 | 37 |
| 03-Nov | 2818 | 2512 | 2666 | 1551 | 93 | 197 | 128 | 28 | 197 | 66 | 40 | 36 |
| 04-Nov | 4584 | 3032 | 2437 | 1360 | 72 | 228 | 63 | 33 | 152 | 123 | 61 | 17 |
| 05-Nov | 4529 | 5327 | 2817 | 3230 | 66 | 331 | 90 | 109 | 52 | 70 | 24 | 64 |
| 06-Nov | 5382 | 3942 | 599 | 2060 | 151 | 219 | 46 | 65 | 43 | 208 | 28 | 87 |
| 07-Nov | 5491 | 5199 | 2487 | 1515 | 150 | 182 | 37 | 26 | 86 | 46 | 8 | 169 |
| 08-Nov | 3674 | 4397 | 604 | 2003 | 115 | 138 | 11 | 44 | 169 | 21 | 44 | 47 |
| 09-Nov | 1718 | 5079 | 1778 | 639 | 21 | 217 | 69 | 27 | 115 | 51 | 58 | 17 |
| 10-Nov | 3127 | 4008 | 1893 | 6 | 80 | 184 | 35 | 0 | 101 | 77 | 33 | 30 |
| 11-Nov | 2822 | 4156 | 3916 | 104 | 93 | 126 | 152 | 27 | 71 | 151 | 36 | 35 |
| 12-Nov | 1989 | 3403 | 2467 | 987 | 83 | 127 | 99 | 110 | 108 | 120 | 36 | 238 |
| 13-Nov | 2441 | 3742 | 2175 | 1624 | 105 | 210 | 132 | 44 | 172 | 95 | 102 | 176 |

| | | | | | | | | | | | | |
|---------------|--------------|--------------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 14-Nov | 307 | 2541 | 4 | 1776 | 35 | 195 | 17 | 21 | 258 | 49 | 101 | 26 |
| 15-Nov | 32 | 1761 | 141 | 2544 | 31 | 129 | 21 | 62 | 29 | 67 | 84 | 49 |
| 16-Nov | 8 | 1757 | 1358 | 1271 | 0 | 269 | 84 | 46 | 15 | 138 | 48 | 56 |
| 17-Nov | 248 | 523 | 966 | 1150 | 9 | 101 | 39 | 45 | 38 | 177 | 50 | 168 |
| 18-Nov | 670 | 680 | 701 | 637 | 60 | 111 | 108 | 21 | 62 | 14 | 66 | 180 |
| 19-Nov | 454 | 448 | 426 | 740 | 37 | 132 | 79 | 33 | 129 | 11 | 116 | 188 |
| 20-Nov | 677 | 283 | 368 | 634 | 77 | 127 | 32 | 38 | 134 | 20 | 168 | 102 |
| 21-Nov | 457 | 168 | 243 | 513 | 65 | 178 | 11 | 54 | 135 | 106 | 46 | 110 |
| 22-Nov | 46 | 66 | 78 | 512 | 15 | 91 | 20 | 62 | 120 | 276 | 76 | 217 |
| 23-Nov | 43 | 91 | 140 | 205 | 52 | 59 | 27 | 23 | 106 | 186 | 73 | 307 |
| 24-Nov | 9 | 34 | 66 | 191 | 20 | 37 | 32 | 16 | 167 | 87 | 195 | 178 |
| 25-Nov | 0 | 31 | 44 | 37 | 1 | 41 | 28 | 4 | 127 | 80 | 241 | 74 |
| 26-Nov | 16 | 21 | 22 | 63 | 0 | 48 | 12 | 2 | 83 | 74 | 127 | 100 |
| 27-Nov | 124 | 19 | 12 | 0 | 26 | 28 | 8 | 1 | 54 | 257 | 14 | 11 |
| 28-Nov | 84 | 5 | 11 | 18 | 57 | 9 | 13 | 0 | 118 | 241 | 59 | 64 |
| 29-Nov | 55 | 8 | 8 | 18 | 65 | 14 | 5 | 11 | 247 | 101 | 101 | 173 |
| Total | 82981 | 71299 | 49907 | 36650 | 4185 | 6969 | 3647 | 2296 | 4425 | 4216 | 2837 | 3985 |

Number of Paddy Residue Burning Events Detected

| Date | Delhi | | | | Rajasthan | | | | Madhya Pradesh | | | |
|---------------|-------|------|------|------|-----------|------|------|------|----------------|------|------|------|
| | 2020 | 2021 | 2022 | 2023 | 2020 | 2021 | 2022 | 2023 | 2020 | 2021 | 2022 | 2023 |
| 15-Sep | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 0 |
| 16-Sep | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17-Sep | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18-Sep | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19-Sep | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 20-Sep | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 21-Sep | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 2 | 0 | 0 | 0 |
| 22-Sep | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23-Sep | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24-Sep | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25-Sep | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 26-Sep | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 0 |

| | | | | | | | | | | | | |
|--------|---|---|---|---|----|----|----|----|-----|-----|-----|-----|
| 27-Sep | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 28-Sep | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 |
| 29-Sep | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 6 | 0 | 4 | 0 | 5 |
| 30-Sep | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 4 | 5 | 0 | 0 | 11 |
| 01-Oct | 0 | 0 | 0 | 0 | 4 | 1 | 1 | 4 | 13 | 0 | 1 | 8 |
| 02-Oct | 1 | 0 | 0 | 0 | 7 | 0 | 3 | 4 | 12 | 0 | 1 | 1 |
| 03-Oct | 0 | 0 | 0 | 0 | 9 | 0 | 2 | 5 | 5 | 1 | 5 | 5 |
| 04-Oct | 0 | 0 | 0 | 0 | 15 | 0 | 0 | 22 | 4 | 2 | 0 | 12 |
| 05-Oct | 0 | 0 | 2 | 0 | 14 | 0 | 1 | 11 | 13 | 1 | 0 | 18 |
| 06-Oct | 1 | 0 | 0 | 0 | 16 | 0 | 0 | 9 | 37 | 1 | 0 | 7 |
| 07-Oct | 0 | 0 | 0 | 0 | 14 | 1 | 1 | 7 | 31 | 1 | 0 | 9 |
| 08-Oct | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 9 | 17 | 2 | 0 | 18 |
| 09-Oct | 0 | 0 | 0 | 0 | 12 | 0 | 0 | 17 | 15 | 4 | 0 | 24 |
| 10-Oct | 0 | 0 | 0 | 0 | 14 | 1 | 0 | 26 | 18 | 10 | 0 | 52 |
| 11-Oct | 0 | 0 | 0 | 1 | 21 | 7 | 1 | 21 | 32 | 2 | 0 | 24 |
| 12-Oct | 0 | 0 | 0 | 0 | 24 | 1 | 2 | 1 | 44 | 1 | 1 | 1 |
| 13-Oct | 0 | 0 | 0 | 0 | 7 | 5 | 2 | 28 | 21 | 2 | 7 | 32 |
| 14-Oct | 0 | 0 | 0 | 0 | 16 | 1 | 1 | 15 | 15 | 11 | 1 | 26 |
| 15-Oct | 0 | 0 | 0 | 0 | 9 | 8 | 2 | 34 | 8 | 27 | 2 | 66 |
| 16-Oct | 1 | 0 | 0 | 0 | 12 | 2 | 4 | 18 | 23 | 13 | 2 | 51 |
| 17-Oct | 0 | 0 | 0 | 0 | 26 | 0 | 4 | 12 | 63 | 1 | 11 | 31 |
| 18-Oct | 0 | 0 | 1 | 0 | 37 | 2 | 12 | 11 | 88 | 0 | 15 | 13 |
| 19-Oct | 0 | 0 | 0 | 0 | 27 | 5 | 12 | 31 | 49 | 1 | 12 | 65 |
| 20-Oct | 0 | 0 | 0 | 0 | 26 | 4 | 4 | 57 | 9 | 21 | 7 | 131 |
| 21-Oct | 2 | 0 | 0 | 0 | 32 | 2 | 6 | 34 | 112 | 30 | 18 | 147 |
| 22-Oct | 0 | 0 | 0 | 0 | 29 | 5 | 12 | 57 | 183 | 29 | 31 | 119 |
| 23-Oct | 1 | 0 | 0 | 0 | 23 | 7 | 20 | 29 | 204 | 32 | 70 | 89 |
| 24-Oct | 0 | 0 | 2 | 0 | 20 | 4 | 7 | 38 | 150 | 34 | 26 | 132 |
| 25-Oct | 1 | 0 | 0 | 0 | 18 | 2 | 4 | 47 | 144 | 60 | 0 | 159 |
| 26-Oct | 0 | 0 | 0 | 0 | 34 | 3 | 21 | 59 | 178 | 55 | 57 | 320 |
| 27-Oct | 0 | 0 | 0 | 0 | 42 | 1 | 21 | 73 | 294 | 62 | 38 | 256 |
| 28-Oct | 0 | 0 | 0 | 0 | 45 | 4 | 46 | 12 | 537 | 110 | 143 | 202 |
| 29-Oct | 0 | 0 | 0 | 0 | 29 | 23 | 37 | 73 | 349 | 97 | 151 | 372 |
| 30-Oct | 0 | 0 | 0 | 0 | 17 | 20 | 55 | 37 | 428 | 168 | 119 | 224 |
| 31-Oct | 0 | 0 | 0 | 0 | 37 | 15 | 36 | 33 | 455 | 299 | 112 | 360 |

| | | | | | | | | | | | | |
|--------------|----------|----------|-----------|----------|-------------|-------------|-------------|-------------|--------------|-------------|--------------|--------------|
| 01-Nov | 0 | 0 | 1 | 0 | 51 | 5 | 27 | 60 | 709 | 198 | 142 | 509 |
| 02-Nov | 0 | 0 | 0 | 0 | 55 | 19 | 63 | 40 | 820 | 214 | 284 | 401 |
| 03-Nov | 1 | 0 | 1 | 0 | 34 | 20 | 54 | 38 | 771 | 148 | 323 | 552 |
| 04-Nov | 0 | 0 | 2 | 0 | 46 | 19 | 34 | 21 | 618 | 123 | 348 | 408 |
| 05-Nov | 0 | 0 | 0 | 0 | 46 | 45 | 91 | 59 | 474 | 320 | 319 | 698 |
| 06-Nov | 0 | 0 | 0 | 0 | 40 | 32 | 27 | 47 | 678 | 248 | 392 | 655 |
| 07-Nov | 0 | 0 | 0 | 1 | 57 | 38 | 80 | 23 | 848 | 199 | 383 | 497 |
| 08-Nov | 0 | 0 | 0 | 1 | 33 | 44 | 5 | 29 | 981 | 170 | 783 | 417 |
| 09-Nov | 0 | 1 | 0 | 0 | 34 | 48 | 22 | 3 | 495 | 330 | 570 | 251 |
| 10-Nov | 0 | 0 | 0 | 0 | 48 | 40 | 34 | 27 | 346 | 380 | 282 | 508 |
| 11-Nov | 0 | 1 | 0 | 0 | 75 | 55 | 95 | 29 | 418 | 506 | 482 | 488 |
| 12-Nov | 0 | 0 | 0 | 0 | 31 | 40 | 84 | 33 | 422 | 185 | 421 | 300 |
| 13-Nov | 0 | 2 | 0 | 0 | 54 | 78 | 63 | 60 | 670 | 171 | 773 | 144 |
| 14-Nov | 0 | 0 | 0 | 0 | 16 | 88 | 1 | 53 | 294 | 346 | 633 | 164 |
| 15-Nov | 0 | 0 | 0 | 0 | 6 | 51 | 2 | 84 | 35 | 353 | 507 | 326 |
| 16-Nov | 0 | 0 | 0 | 0 | 16 | 81 | 78 | 27 | 145 | 660 | 316 | 423 |
| 17-Nov | 0 | 0 | 0 | 1 | 60 | 38 | 48 | 45 | 191 | 261 | 416 | 465 |
| 18-Nov | 0 | 0 | 0 | 0 | 75 | 77 | 55 | 25 | 352 | 126 | 524 | 363 |
| 19-Nov | 0 | 0 | 0 | 0 | 27 | 73 | 19 | 37 | 124 | 16 | 625 | 187 |
| 20-Nov | 0 | 0 | 0 | 0 | 59 | 53 | 15 | 40 | 106 | 6 | 556 | 208 |
| 21-Nov | 0 | 0 | 0 | 0 | 57 | 72 | 12 | 51 | 159 | 95 | 196 | 267 |
| 22-Nov | 0 | 0 | 0 | 0 | 9 | 21 | 4 | 52 | 165 | 188 | 170 | 510 |
| 23-Nov | 0 | 0 | 0 | 0 | 66 | 61 | 10 | 24 | 150 | 262 | 259 | 263 |
| 24-Nov | 0 | 0 | 1 | 0 | 13 | 26 | 14 | 2 | 258 | 224 | 299 | 253 |
| 25-Nov | 0 | 0 | 0 | 0 | 2 | 30 | 7 | 16 | 106 | 343 | 315 | 228 |
| 26-Nov | 0 | 0 | 0 | 0 | 0 | 11 | 2 | 0 | 48 | 318 | 198 | 4 |
| 27-Nov | 0 | 0 | 0 | 0 | 16 | 33 | 2 | 0 | 39 | 416 | 57 | 0 |
| 28-Nov | 0 | 0 | 0 | 0 | 24 | 12 | 1 | 3 | 38 | 163 | 109 | 5 |
| 29-Nov | 0 | 0 | 0 | 0 | 44 | 7 | 0 | 1 | 83 | 95 | 74 | 11 |
| Total | 9 | 4 | 10 | 5 | 1750 | 1341 | 1267 | 1773 | 14107 | 8146 | 11586 | 12500 |

Details of residue burning events in Punjab on 29-Nov-2023

| S. No. | District | Tehsil / Block | Satellite | Latitude | Longitude | ACQ_TIME | Day / Night | Fire Power (W/m ²) |
|--------|-----------------|------------------|-----------|----------|-----------|----------|-------------|--------------------------------|
| 1 | Barnala | Mahal Kalan | AQUA | 30.53000 | 75.53800 | 13:55:58 | D | 5.90 |
| 2 | Barnala | Sehna | S-NPP | 30.32925 | 75.31668 | 12:52:12 | D | 3.40 |
| 3 | Barnala | Sehna | S-NPP | 30.33010 | 75.31633 | 14:31:46 | D | 5.20 |
| 4 | Bathinda | Goniana Mandi | S-NPP | 30.30769 | 74.87481 | 12:52:12 | D | 1.40 |
| 5 | Bathinda | Goniana Mandi | AQUA | 30.36700 | 75.04400 | 13:55:58 | D | 8.30 |
| 6 | Bathinda | Phul | S-NPP | 30.32566 | 75.31644 | 14:31:46 | D | 5.90 |
| 7 | Faridkot | Kot Kapura | S-NPP | 30.61372 | 74.91762 | 12:52:12 | D | 3.10 |
| 8 | Fatehgarh Sahib | Sirhind | AQUA | 30.55800 | 76.44600 | 13:55:58 | D | 4.40 |
| 9 | Fazilka | Guruhar Sahai | AQUA | 30.56300 | 74.38000 | 13:55:58 | D | 8.30 |
| 10 | Jalandhar | Mehatpur | AQUA | 31.09000 | 75.45300 | 13:55:58 | D | 4.90 |
| 11 | Ludhiana | Dehlon | AQUA | 30.77500 | 75.92300 | 13:55:58 | D | 18.20 |
| 12 | Ludhiana | Dehlon | AQUA | 30.77600 | 75.93300 | 13:55:58 | D | 5.90 |
| 13 | Ludhiana | Maloud | S-NPP | 30.60717 | 75.98164 | 12:52:12 | D | 5.30 |
| 14 | Moga | Moga 2 | S-NPP | 30.87815 | 75.06287 | 12:52:12 | D | 2.20 |
| 15 | Muktsar | Malout | S-NPP | 30.29509 | 74.47470 | 12:52:12 | D | 3.20 |
| 16 | SBS Nagar | Banga | AQUA | 31.18700 | 75.83800 | 13:55:58 | D | 5.60 |
| 17 | Tarn Taran | Chohla Sahib | AQUA | 31.32000 | 75.03600 | 13:55:58 | D | 10.90 |
| 18 | Tarn Taran | Naushera Pannuan | AQUA | 31.31800 | 75.02500 | 13:55:58 | D | 6.40 |

Details of residue burning events in Haryana on 29-Nov-2023

| S. No. | District | Tehsil / Block | Satellite | Latitude | Longitude | ACQ_TIME | Day / Night | Fire Power (W/m ²) |
|--------|-------------|----------------|-----------|----------|-----------|----------|-------------|--------------------------------|
| 1 | AMBALA | AMBALA-II | S-NPP | 30.30636 | 76.72141 | 01:41:29 | N | 1.90 |
| 2 | AMBALA | AMBALA-II | S-NPP | 30.30862 | 76.72150 | 12:52:12 | D | 2.40 |
| 3 | AMBALA | AMBALA-II | S-NPP | 30.31058 | 76.72323 | 01:41:29 | N | 2.20 |
| 4 | AMBALA | AMBALA-II | S-NPP | 30.31094 | 76.72201 | 01:41:29 | N | 1.90 |
| 5 | AMBALA | AMBALA-II | S-NPP | 30.31108 | 76.71784 | 01:41:29 | N | 2.20 |
| 6 | AMBALA | BARARA | S-NPP | 30.23940 | 77.05740 | 12:52:12 | D | 3.10 |
| 7 | AMBALA | BARARA | S-NPP | 30.24390 | 77.05611 | 12:52:12 | D | 1.80 |
| 8 | KARNAL | ASSANDH | AQUA | 29.53000 | 76.66800 | 13:55:58 | D | 3.40 |
| 9 | SIRSA | SIRSA | S-NPP | 29.53341 | 75.16798 | 01:41:29 | N | 1.50 |
| 10 | YAMUNANAGAR | CHHACHHRAULI | S-NPP | 30.20522 | 77.31612 | 12:52:12 | D | 2.70 |
| 11 | YAMUNANAGAR | JAGADHRI | S-NPP | 30.12478 | 77.21026 | 12:52:12 | D | 2.50 |

Details of residue burning events in Uttar Pradesh on 29-Nov-2023

| S. No. | District | Tehsil / Block | Satellite | Latitude | Longitude | ACQ_TIME | Day / Night | Fire Power (W/m ²) |
|--------|---------------|----------------|-----------|----------|-----------|----------|-------------|--------------------------------|
| 1 | ALLAHABAD | BARA | S-NPP | 25.16627 | 81.79140 | 01:41:29 | N | 0.40 |
| 2 | AMBEDKARNAGAR | AKBARPUR | S-NPP | 26.41616 | 82.59184 | 01:41:29 | N | 0.40 |
| 3 | AMBEDKARNAGAR | AKBARPUR | S-NPP | 26.44520 | 82.59144 | 12:52:12 | D | 1.80 |
| 4 | AMBEDKARNAGAR | AKBARPUR | S-NPP | 26.52934 | 82.49310 | 12:52:12 | D | 3.60 |
| 5 | AMBEDKARNAGAR | AKBARPUR | AQUA | 26.43200 | 82.66900 | 13:55:58 | D | 10.00 |
| 6 | AMBEDKARNAGAR | AKBARPUR | AQUA | 26.43800 | 82.67500 | 13:55:58 | D | 11.50 |
| 7 | AMETHI | AMETHI | S-NPP | 26.24063 | 81.82816 | 12:52:12 | D | 4.40 |
| 8 | AMETHI | AMETHI | S-NPP | 26.25455 | 81.84064 | 12:52:12 | D | 6.50 |
| 9 | AMETHI | GAURIGANJ | S-NPP | 26.13303 | 81.68691 | 12:52:12 | D | 4.70 |
| 10 | AMETHI | GAURIGANJ | S-NPP | 26.17530 | 81.64279 | 12:52:12 | D | 5.10 |
| 11 | AMETHI | GAURIGANJ | S-NPP | 26.29799 | 81.61215 | 12:52:12 | D | 3.90 |
| 12 | AMETHI | GAURIGANJ | S-NPP | 26.31383 | 81.76177 | 12:52:12 | D | 3.40 |
| 13 | AMETHI | GAURIGANJ | S-NPP | 26.31672 | 81.71386 | 12:52:12 | D | 5.40 |
| 14 | AZAMGARH | BURHANPUR | S-NPP | 26.24150 | 83.01519 | 12:52:12 | D | 2.90 |
| 15 | AZAMGARH | PHULPUR | S-NPP | 25.94249 | 82.78294 | 12:52:12 | D | 2.20 |
| 16 | BAHRAICH | KAISARGANJ | S-NPP | 27.22716 | 81.54056 | 12:52:12 | D | 5.40 |
| 17 | BAHRAICH | KAISARGANJ | S-NPP | 27.33638 | 81.65092 | 12:52:12 | D | 2.90 |
| 18 | BAHRAICH | KAISARGANJ | S-NPP | 27.33752 | 81.65286 | 12:52:12 | D | 3.00 |
| 19 | BAHRAICH | MAHASI | S-NPP | 27.51187 | 81.43851 | 12:52:12 | D | 2.30 |
| 20 | BALLIA | RASRA | S-NPP | 25.84551 | 84.03060 | 12:52:12 | D | 2.50 |
| 21 | BALLIA | RASRA | S-NPP | 25.95224 | 83.95385 | 12:52:12 | D | 3.40 |
| 22 | BALLIA | RASRA | S-NPP | 25.96937 | 83.95033 | 12:52:12 | D | 3.00 |
| 23 | BALLIA | RASRA | AQUA | 25.83400 | 83.78700 | 13:55:58 | D | 9.60 |
| 24 | BALLIA | RASRA | AQUA | 25.83600 | 83.79400 | 13:55:58 | D | 13.60 |
| 25 | BALLIA | SIKANDARPUR | S-NPP | 25.92216 | 83.98569 | 12:52:12 | D | 2.90 |
| 26 | BALRAMPUR | BALRAMPUR | S-NPP | 27.37377 | 82.23846 | 12:52:12 | D | 3.90 |
| 27 | BALRAMPUR | TULSIPUR | S-NPP | 27.48814 | 82.69695 | 12:52:12 | D | 12.00 |
| 28 | BANDA | ATARRA | AQUA | 25.41300 | 80.49300 | 13:55:58 | D | 5.60 |
| 29 | BANDA | BABERU | S-NPP | 25.50686 | 80.85814 | 01:41:29 | N | 0.40 |
| 30 | BANDA | BABERU | S-NPP | 25.64871 | 80.76617 | 12:52:12 | D | 2.60 |

| | | | | | | | | |
|----|--------------|----------------|-------|----------|----------|----------|---|-------|
| 31 | BANDA | BABERU | S-NPP | 25.65021 | 80.77385 | 12:52:12 | D | 4.30 |
| 32 | BANDA | BABERU | S-NPP | 25.65270 | 80.76524 | 12:52:12 | D | 3.50 |
| 33 | BANDA | BABERU | AQUA | 25.55500 | 80.73100 | 13:55:58 | D | 5.90 |
| 34 | BANDA | BABERU | AQUA | 25.64200 | 80.76800 | 13:55:58 | D | 6.70 |
| 35 | BARABANKI | NAWABGANJ | S-NPP | 26.92828 | 81.21916 | 01:41:29 | N | 0.90 |
| 36 | BAREILLY | BAHERI | S-NPP | 28.87916 | 79.54119 | 12:52:12 | D | 3.10 |
| 37 | BAREILLY | NAWABGANJ | AQUA | 28.45700 | 79.67700 | 13:55:58 | D | 3.90 |
| 38 | CHANDAULI | CHANDAULI | S-NPP | 25.18360 | 83.27206 | 12:52:12 | D | 3.20 |
| 39 | CHANDAULI | CHANDAULI | S-NPP | 25.20862 | 83.22548 | 12:52:12 | D | 10.80 |
| 40 | CHANDAULI | CHANDAULI | AQUA | 25.19900 | 83.22000 | 13:55:58 | D | 9.50 |
| 41 | DEORIA | DEORIA | S-NPP | 26.60502 | 83.74641 | 12:52:12 | D | 4.00 |
| 42 | DEORIA | DEORIA | S-NPP | 26.61954 | 83.81226 | 12:52:12 | D | 3.10 |
| 43 | DEORIA | DEORIA | S-NPP | 26.69490 | 83.76278 | 12:52:12 | D | 2.50 |
| 44 | DEORIA | RUDRAPUR | S-NPP | 26.40932 | 83.69561 | 12:52:12 | D | 6.40 |
| 45 | FATEHPUR | FATEHPUR | S-NPP | 25.78371 | 80.79072 | 12:52:12 | D | 3.90 |
| 46 | FATEHPUR | FATEHPUR | S-NPP | 25.98237 | 80.81741 | 12:52:12 | D | 3.30 |
| 47 | GHAZIABAD | MODINAGAR | S-NPP | 28.77226 | 77.56626 | 01:41:29 | N | 0.50 |
| 48 | GONDA | MANKAPUR | S-NPP | 26.96762 | 82.52809 | 12:52:12 | D | 2.70 |
| 49 | GORAKHPUR | CHAURI CHAURA | S-NPP | 26.73369 | 83.59952 | 12:52:12 | D | 2.50 |
| 50 | GORAKHPUR | GORAKHPUR | S-NPP | 26.82500 | 83.49863 | 12:52:12 | D | 2.70 |
| 51 | GORAKHPUR | GORAKHPUR | S-NPP | 26.84526 | 83.53374 | 12:52:12 | D | 1.70 |
| 52 | GORAKHPUR | GORAKHPUR | S-NPP | 26.89147 | 83.45917 | 12:52:12 | D | 3.90 |
| 53 | GORAKHPUR | KHAJNI | S-NPP | 26.55569 | 83.26088 | 12:52:12 | D | 2.50 |
| 54 | HARDOI | SHAHABAD | S-NPP | 27.62944 | 80.06944 | 12:52:12 | D | 0.80 |
| 55 | JAUNPUR | MACHHALI SAHAR | S-NPP | 25.70796 | 82.41885 | 01:41:29 | N | 0.30 |
| 56 | JAUNPUR | MACHHALI SAHAR | S-NPP | 25.74077 | 82.33742 | 01:41:29 | N | 0.60 |
| 57 | JAUNPUR | MARIAHU | S-NPP | 25.61283 | 82.61888 | 01:41:29 | N | 0.60 |
| 58 | JAUNPUR | SHHGANJ | S-NPP | 25.86695 | 82.74065 | 12:52:12 | D | 3.40 |
| 59 | JAUNPUR | SHHGANJ | S-NPP | 26.07002 | 82.59441 | 12:52:12 | D | 12.10 |
| 60 | KANNAUJ | TIRWA | S-NPP | 26.78383 | 79.79130 | 12:52:12 | D | 4.80 |
| 61 | KANPUR DEHAT | RASULABAD | S-NPP | 26.66912 | 79.87832 | 12:52:12 | D | 3.30 |
| 62 | KAUSHAMBI | MANJHANPUR | S-NPP | 25.37777 | 81.37466 | 12:52:12 | D | 12.70 |
| 63 | KAUSHAMBI | MANJHANPUR | AQUA | 25.43000 | 81.25900 | 13:55:58 | D | 8.00 |
| 64 | KHERI | GOLA | S-NPP | 28.16414 | 80.36307 | 12:52:12 | D | 3.80 |

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|----|-------------|-------------|-------|----------|----------|----------|---|-------|
| 65 | KHERI | LAKHIMPUR | AQUA | 27.89100 | 80.62900 | 13:55:58 | D | 6.00 |
| 66 | KHERI | MOHMADI | S-NPP | 27.92159 | 80.40976 | 01:41:29 | N | 0.50 |
| 67 | KHERI | MOHMADI | S-NPP | 27.95386 | 80.10455 | 01:41:29 | N | 1.00 |
| 68 | KHERI | MOHMADI | S-NPP | 27.98302 | 80.22506 | 12:52:12 | D | 3.30 |
| 69 | KHERI | MOHMADI | AQUA | 27.89400 | 80.23400 | 13:55:58 | D | 7.80 |
| 70 | KHERI | MOHMADI | AQUA | 27.89500 | 80.24600 | 13:55:58 | D | 7.50 |
| 71 | KHERI | NIGHASAN | S-NPP | 28.17837 | 80.88289 | 01:41:29 | N | 0.50 |
| 72 | KHERI | NIGHASAN | S-NPP | 28.18220 | 80.95654 | 12:52:12 | D | 2.90 |
| 73 | KHERI | NIGHASAN | S-NPP | 28.29611 | 80.77985 | 01:41:29 | N | 0.30 |
| 74 | KHERI | PALIA KALAN | AQUA | 28.50800 | 80.51200 | 13:55:58 | D | 10.90 |
| 75 | KUSHINAGAR | HATA | S-NPP | 26.71003 | 83.78967 | 12:52:12 | D | 2.40 |
| 76 | KUSHINAGAR | HATA | S-NPP | 26.76618 | 83.62315 | 12:52:12 | D | 1.40 |
| 77 | KUSHINAGAR | HATA | S-NPP | 26.77702 | 83.75057 | 12:52:12 | D | 2.20 |
| 78 | KUSHINAGAR | HATA | S-NPP | 26.79164 | 83.62648 | 12:52:12 | D | 4.50 |
| 79 | KUSHINAGAR | HATA | S-NPP | 26.80859 | 83.61118 | 12:52:12 | D | 2.10 |
| 80 | KUSHINAGAR | HATA | S-NPP | 26.82261 | 83.65162 | 12:52:12 | D | 2.20 |
| 81 | KUSHINAGAR | HATA | S-NPP | 26.82505 | 83.60338 | 12:52:12 | D | 1.80 |
| 82 | KUSHINAGAR | HATA | S-NPP | 26.87670 | 83.61424 | 12:52:12 | D | 9.10 |
| 83 | KUSHINAGAR | HATA | S-NPP | 26.88286 | 83.60860 | 12:52:12 | D | 7.60 |
| 84 | KUSHINAGAR | HATA | S-NPP | 26.88744 | 83.72014 | 12:52:12 | D | 2.70 |
| 85 | KUSHINAGAR | HATA | S-NPP | 26.89457 | 83.61482 | 12:52:12 | D | 1.70 |
| 86 | KUSHINAGAR | HATA | S-NPP | 26.90136 | 83.80309 | 12:52:12 | D | 2.20 |
| 87 | KUSHINAGAR | HATA | S-NPP | 26.90495 | 83.63433 | 12:52:12 | D | 1.40 |
| 88 | KUSHINAGAR | HATA | S-NPP | 26.91881 | 83.67470 | 12:52:12 | D | 4.00 |
| 89 | KUSHINAGAR | HATA | S-NPP | 26.92223 | 83.67398 | 12:52:12 | D | 3.20 |
| 90 | KUSHINAGAR | KASAYA | S-NPP | 26.62039 | 84.05061 | 12:52:12 | D | 2.90 |
| 91 | KUSHINAGAR | KASAYA | S-NPP | 26.78907 | 83.90646 | 12:52:12 | D | 2.50 |
| 92 | MAHARAJGANJ | MAHARAJGANJ | S-NPP | 26.89549 | 83.51439 | 12:52:12 | D | 5.90 |
| 93 | MAHARAJGANJ | MAHARAJGANJ | S-NPP | 26.89749 | 83.51485 | 12:52:12 | D | 6.00 |
| 94 | MAHARAJGANJ | MAHARAJGANJ | S-NPP | 26.94768 | 83.60013 | 12:52:12 | D | 5.20 |
| 95 | MAHARAJGANJ | MAHARAJGANJ | S-NPP | 26.98019 | 83.64531 | 12:52:12 | D | 3.00 |
| 96 | MAHARAJGANJ | MAHARAJGANJ | S-NPP | 26.99381 | 83.62079 | 12:52:12 | D | 2.50 |
| 97 | MAHARAJGANJ | MAHARAJGANJ | S-NPP | 26.99873 | 83.65006 | 12:52:12 | D | 2.00 |
| 98 | MAHARAJGANJ | MAHARAJGANJ | S-NPP | 27.02264 | 83.62338 | 12:52:12 | D | 2.00 |

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|-----|--------------|---------------|-------|----------|----------|----------|---|-------|
| 99 | MAHARAJGANJ | MAHARAJGANJ | S-NPP | 27.03335 | 83.48685 | 12:52:12 | D | 4.60 |
| 100 | MAHARAJGANJ | MAHARAJGANJ | S-NPP | 27.04135 | 83.45011 | 12:52:12 | D | 3.40 |
| 101 | MAHARAJGANJ | MAHARAJGANJ | S-NPP | 27.04799 | 83.50999 | 12:52:12 | D | 4.90 |
| 102 | MAHARAJGANJ | MAHARAJGANJ | S-NPP | 27.04912 | 83.47476 | 12:52:12 | D | 8.00 |
| 103 | MAHARAJGANJ | MAHARAJGANJ | S-NPP | 27.05328 | 83.58290 | 12:52:12 | D | 2.60 |
| 104 | MAHARAJGANJ | MAHARAJGANJ | S-NPP | 27.06562 | 83.46689 | 12:52:12 | D | 2.90 |
| 105 | MAHARAJGANJ | MAHARAJGANJ | S-NPP | 27.07006 | 83.51405 | 12:52:12 | D | 7.60 |
| 106 | MAHARAJGANJ | MAHARAJGANJ | S-NPP | 27.19213 | 83.67551 | 12:52:12 | D | 1.40 |
| 107 | MAHARAJGANJ | NAUTANWA | S-NPP | 27.21329 | 83.37118 | 12:52:12 | D | 1.80 |
| 108 | MAHARAJGANJ | NAUTANWA | S-NPP | 27.30511 | 83.36479 | 12:52:12 | D | 5.40 |
| 109 | MAHARAJGANJ | NICHLAUL | S-NPP | 27.20106 | 83.68655 | 12:52:12 | D | 11.80 |
| 110 | MAHARAJGANJ | NICHLAUL | S-NPP | 27.24828 | 83.71532 | 12:52:12 | D | 3.40 |
| 111 | MAHARAJGANJ | NICHLAUL | S-NPP | 27.25169 | 83.71460 | 12:52:12 | D | 3.40 |
| 112 | MAHARAJGANJ | NICHLAUL | S-NPP | 27.25435 | 83.61115 | 12:52:12 | D | 1.30 |
| 113 | MAHARAJGANJ | NICHLAUL | S-NPP | 27.30663 | 83.66918 | 12:52:12 | D | 4.00 |
| 114 | MAHARAJGANJ | NICHLAUL | S-NPP | 27.30725 | 83.65181 | 12:52:12 | D | 11.00 |
| 115 | MAHARAJGANJ | NICHLAUL | S-NPP | 27.32712 | 83.66486 | 12:52:12 | D | 3.00 |
| 116 | MAHARAJGANJ | NICHLAUL | S-NPP | 27.34913 | 83.73327 | 12:52:12 | D | 2.90 |
| 117 | MAHARAJGANJ | NICHLAUL | S-NPP | 27.35935 | 83.73112 | 12:52:12 | D | 2.50 |
| 118 | MAHARAJGANJ | NICHLAUL | AQUA | 27.35500 | 83.71600 | 13:55:58 | D | 15.60 |
| 119 | MAINPURI | BHOGAON | S-NPP | 27.03732 | 79.18009 | 12:52:12 | D | 3.10 |
| 120 | MAU | GHOSI | S-NPP | 26.13849 | 83.55714 | 12:52:12 | D | 2.30 |
| 121 | MAU | GHOSI | S-NPP | 26.20451 | 83.53958 | 12:52:12 | D | 3.30 |
| 122 | MEERUT | MEERUT | S-NPP | 29.08797 | 77.50868 | 12:52:12 | D | 4.70 |
| 123 | MORADABAD | BILARI | S-NPP | 28.74016 | 78.76280 | 12:52:12 | D | 2.20 |
| 124 | MORADABAD | BILARI | S-NPP | 28.74166 | 78.76138 | 12:52:12 | D | 2.70 |
| 125 | MORADABAD | THAKUR DWARA | S-NPP | 29.13057 | 78.78242 | 12:52:12 | D | 12.10 |
| 126 | MUZAFARNAGAR | BUDHANA | AQUA | 29.25700 | 77.52300 | 13:55:58 | D | 6.70 |
| 127 | MUZAFARNAGAR | MUZAFFARNAGAR | S-NPP | 29.42546 | 77.70460 | 12:52:12 | D | 2.60 |
| 128 | PILHIBHIT | BISALPUR | S-NPP | 28.31026 | 79.72868 | 12:52:12 | D | 1.10 |
| 129 | PILHIBHIT | BISALPUR | S-NPP | 28.40743 | 79.83841 | 12:52:12 | D | 1.90 |
| 130 | PILHIBHIT | BISALPUR | S-NPP | 28.40814 | 79.83836 | 12:52:12 | D | 2.20 |
| 131 | PILHIBHIT | PILHIBHIT | S-NPP | 28.62085 | 79.72398 | 12:52:12 | D | 2.90 |
| 132 | PILHIBHIT | PURANPUR | S-NPP | 28.47020 | 79.98328 | 12:52:12 | D | 8.50 |

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| 133 | PRATAPGARH | KUNDA | S-NPP | 25.68250 | 81.73461 | 12:52:12 | D | 2.20 |
| 134 | PRATAPGARH | PATTI | S-NPP | 26.04777 | 82.07189 | 12:52:12 | D | 5.50 |
| 135 | RAIBEARELI | DALMAU | S-NPP | 26.07105 | 81.07494 | 01:41:29 | N | 0.70 |
| 136 | RAIBEARELI | MAHARAJGANG | S-NPP | 26.34875 | 81.38197 | 12:52:12 | D | 3.70 |
| 137 | RAIBEARELI | RAEBARELI | S-NPP | 26.34684 | 81.22227 | 12:52:12 | D | 4.50 |
| 138 | RAIBEARELI | SALON | S-NPP | 26.16617 | 81.40166 | 12:52:12 | D | 3.00 |
| 139 | RAIBEARELI | SALON | S-NPP | 26.20830 | 81.56575 | 12:52:12 | D | 3.20 |
| 140 | RAIBEARELI | TILOI | S-NPP | 26.24759 | 81.48936 | 12:52:12 | D | 4.10 |
| 141 | RAIBEARELI | TILOI | S-NPP | 26.29320 | 81.52217 | 12:52:12 | D | 5.30 |
| 142 | RAIBEARELI | TILOI | S-NPP | 26.35899 | 81.56353 | 12:52:12 | D | 4.70 |
| 143 | RAIBEARELI | TILOI | AQUA | 26.28900 | 81.52500 | 13:55:58 | D | 7.00 |
| 144 | RAMPUR | SHAHBAD | S-NPP | 28.51796 | 79.06364 | 12:52:12 | D | 1.80 |
| 145 | RAMPUR | TANDA | S-NPP | 29.10790 | 78.97569 | 12:52:12 | D | 3.50 |
| 146 | RAMPUR | TANDA | S-NPP | 29.10908 | 78.97630 | 12:52:12 | D | 3.20 |
| 147 | SANTKABIRNAGAR | GHANGHATA | S-NPP | 26.64749 | 83.05701 | 12:52:12 | D | 6.00 |
| 148 | SANTKABIRNAGAR | MEHDAWAL | S-NPP | 27.00796 | 83.02437 | 12:52:12 | D | 3.80 |
| 149 | SHAHJAHANPUR | PUWANYA | S-NPP | 27.97939 | 79.93461 | 01:41:29 | N | 1.30 |
| 150 | SHAHJAHANPUR | PUWANYA | S-NPP | 28.09580 | 79.92519 | 01:41:29 | N | 1.20 |
| 151 | SHAHJAHANPUR | PUWANYA | S-NPP | 28.09973 | 80.04120 | 01:41:29 | N | 0.50 |
| 152 | SHAHJAHANPUR | PUWANYA | S-NPP | 28.10932 | 79.94549 | 12:52:12 | D | 2.60 |
| 153 | SHAHJAHANPUR | SHAHJAHANPUR | S-NPP | 27.99102 | 79.85719 | 12:52:12 | D | 2.20 |
| 154 | SHAHJAHANPUR | TILHAR | S-NPP | 28.02482 | 79.83617 | 12:52:12 | D | 2.40 |
| 155 | SHAMLI | SHAMLI | AQUA | 29.44500 | 77.40600 | 13:55:58 | D | 4.50 |
| 156 | SHARANPUR | RAMPUR MANIHARRAN | S-NPP | 29.66943 | 77.55789 | 12:52:12 | D | 2.80 |
| 157 | SHARANPUR | SHARANPUR | S-NPP | 30.12330 | 77.54360 | 12:52:12 | D | 2.40 |
| 158 | SHARANPUR | SHARANPUR | S-NPP | 30.12565 | 77.54007 | 12:52:12 | D | 9.70 |
| 159 | SHRAWASTI | BHINGA | S-NPP | 27.87311 | 81.63931 | 12:52:12 | D | 1.80 |
| 160 | SIDDHARTHANAGAR | BANSI | S-NPP | 27.14608 | 82.81810 | 12:52:12 | D | 8.50 |
| 161 | SIDDHARTHANAGAR | ITWA | S-NPP | 27.32573 | 82.53947 | 12:52:12 | D | 2.30 |
| 162 | SIDDHARTHANAGAR | ITWA | S-NPP | 27.36174 | 82.59740 | 12:52:12 | D | 3.60 |
| 163 | SIDDHARTHANAGAR | ITWA | S-NPP | 27.36528 | 82.59662 | 12:52:12 | D | 3.60 |
| 164 | SIDDHARTHANAGAR | ITWA | S-NPP | 27.40890 | 82.66323 | 12:52:12 | D | 2.70 |
| 165 | SIDDHARTHANAGAR | NAUGARH | S-NPP | 27.37727 | 83.10302 | 12:52:12 | D | 4.10 |
| 166 | SIDDHARTHANAGAR | SHOHRATGARH | S-NPP | 27.31881 | 82.97481 | 12:52:12 | D | 2.40 |

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| 167 | SITAPUR | SITAPUR | S-NPP | 27.67317 | 80.58913 | 12:52:12 | D | 4.10 |
| 168 | SITAPUR | SITAPUR | S-NPP | 27.67380 | 80.59125 | 12:52:12 | D | 3.80 |
| 169 | SULTANPUR | KADIRPUR | S-NPP | 26.17078 | 82.52583 | 12:52:12 | D | 3.10 |
| 170 | SULTANPUR | KADIRPUR | S-NPP | 26.23021 | 82.48127 | 12:52:12 | D | 3.20 |
| 171 | SULTANPUR | KADIRPUR | S-NPP | 26.24721 | 82.42888 | 12:52:12 | D | 4.70 |
| 172 | SULTANPUR | LAMBHUA | S-NPP | 26.09010 | 82.17883 | 12:52:12 | D | 6.30 |
| 173 | UNNAO | SAFIPUR | S-NPP | 26.84817 | 80.30275 | 01:41:29 | N | 0.70 |

Details of residue burning events in Rajasthan on 29-Nov-2023

| S. No. | District | Tehsil / Block | Satellite | Latitude | Longitude | ACQ_TIME | Day / Night | Fire Power (W/m2) |
|--------|--------------|----------------|-----------|----------|-----------|----------|-------------|-------------------|
| 1 | CHITTAURGARH | CHITTAURGARH | S-NPP | 24.76571 | 74.60715 | 01:41:29 | N | 2.40 |

Details of residue burning events in Madhya Pradesh on 29-Nov-2023

| S. No. | District | Tehsil / Block | Satellite | Latitude | Longitude | ACQ_TIME | Day / Night | Fire Power (W/m2) |
|--------|----------|----------------|-----------|----------|-----------|----------|-------------|-------------------|
| 1 | GWALIOR | BHITARWAR | AQUA | 25.83700 | 78.04000 | 13:55:58 | D | 6.90 |
| 2 | GWALIOR | DABRA | S-NPP | 25.94790 | 78.24989 | 12:52:12 | D | 3.30 |
| 3 | GWALIOR | DABRA | AQUA | 25.84500 | 78.23500 | 13:55:58 | D | 7.00 |
| 4 | GWALIOR | DABRA | AQUA | 25.84700 | 78.24500 | 13:55:58 | D | 5.20 |
| 5 | REWA | HUZUR | S-NPP | 24.48250 | 81.22791 | 12:52:12 | D | 1.60 |
| 6 | SATNA | AMARPATAN | S-NPP | 24.38568 | 81.20290 | 12:52:12 | D | 2.10 |
| 7 | SATNA | MAIHAR | S-NPP | 24.25540 | 80.78553 | 12:52:12 | D | 6.70 |
| 8 | SATNA | MAIHAR | S-NPP | 24.39585 | 80.86140 | 12:52:12 | D | 3.50 |
| 9 | SATNA | RAMPURBAGHLEAN | S-NPP | 24.40229 | 81.04762 | 12:52:12 | D | 4.10 |
| 10 | SATNA | RAMPURBAGHLEAN | S-NPP | 24.56409 | 81.01565 | 12:52:12 | D | 12.70 |
| 11 | SATNA | RAMPURBAGHLEAN | S-NPP | 24.56737 | 81.01086 | 12:52:12 | D | 3.40 |

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 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 (ISRO)**

Study Team

| | | | |
|--------------|-----------------------|----------------------------------|--|
| ICAR – HQ | Dr Rajbir Singh | ADG-NRM (AAF&CC) | raibirsingh.nrm@gmail.com |
| ICAR - IARI | Dr V.K. Sehgal | Pr. Scientist & Nodal Officer | iaricreams@gmail.com |
| | Dr Rajkumar Dhakar | Scientist | rajdhakar.iari@gmail.com |
| | Mr Mohd Jahangir | Lab Assistant (KRISHI) | mjahangir198@gmail.com |
| ICAR - ATARI | Dr Parvender Sheoran | Director ATARI (Zone-I) Ludhiana | zcu1ldh@gmail.com |
| | Dr. J.P. Mishra | Director ATARI (Zone-II) Jodhpur | jp.mishra67@gov.in |
| | Dr S.K. Dubey | Director ATARI (Zone-III) Kanpur | zpdicarkanpur@gmail.com |
| ICAR - IASRI | Dr Rajender Parsad | Director | rajender.parsad@icar.gov.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)

The DASHBOARD for paddy residue burning events is available at weblink: [CREAMS Fire Dashboard](#)
