**Table S1. Accessions Name, collection site and altitude of 43 *Cyclanthera pedata* accession used in the study.**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl.No** | **Accession Name** | **Accession no.** | **Collection Place** | **District** | **State** | **Lat** | **Long** | **Altitude (m)** |
| 1 | RK01 | IC 393261 | Dhura | Bageshwar | Uttarakhand | 29.497864 | 79.955637 | 1686.0 |
| 2 | RK02 | IC 393263 | Dhura | Bageshwar | Uttarakhand | 29.863162 | 79.993815 | 1713.0 |
| 3 | RK03 | IC 393308 | Baragaon | Chamoli | Uttarakhand | 29.928922 | 80.231710 | 1070.0 |
| 4 | RK04 | IC 393309 | Baragaon | Chamoli | Uttarakhand | 29.931711 | 80.234156 | 1136.0 |
| 5 | RK05 | IC 393311 | Dhangal-gaon | Chamoli | Uttarakhand | 29.759110 | 78.945426 | 1605.0 |
| 6 | RK06 | IC 393313 | Dhangal-gaon | Chamoli | Uttarakhand | 29.762165 | 78.962764 | 1661.0 |
| 7 | RK07 | IC 356015 | Dumak | Chamoli | Uttarakhand | 30.519946 | 79.371650 | 2853.0 |
| 8 | RK08 | IC 421984 | Arakot | Uttarkashi | Uttarakhand | 31.010896 | 77.839085 | 1555.0 |
| 9 | RK09 | IC 436969 | Khaliyan | Rudraprayag | Uttarakhand | 30.466112 | 78.929493 | 2009.0 |
| 10 | RK10 | IC 406538 | Usada tal | Rudraprayag | Uttarakhand | 30.467804 | 78.924301 | 1725.0 |
| 11 | RK11 | IC 393250 | Janbila | Bageshwar | Uttarakhand | 29.833333 | 79.766667 | 908.0 |
| 12 | RK12 | IC 393255 | Janbila- Kaphalkhet | Bageshwar | Uttarakhand | 29.835219 | 79.764397 | 980.0 |
| 13 | RK13 | IC 393259 | Padiyarwala | Bageshwar | Uttarakhand | 29.815967 | 79.754597 | 1422.0 |
| 14 | RK14 | UKAl 1 | Chaukhutiya | Almora | Uttarakhand | 29.820571 | 79.448010 | 2169.9 |
| 15 | RK15 | UKAl 2 | Dwarahat | Almora | Uttarakhand | 29.797563 | 79.383577 | 1465.2 |
| 16 | RK16 | UKAl 3 | Somashwar | Almora | Uttarakhand | 29.746272 | 79.631312 | 1347.4 |
| 17 | RK17 | UKNa 4 | Dhari | Nainital | Uttarakhand | 29.250439 | 79.784285 | 1463.3 |
| 18 | RK18 | UKNa 5 | Betalghat | Nainital | Uttarakhand | 29.498074 | 79.337630 | 2452.3 |
| 19 | RK19 | UKBa 6 | Garur | Bageshwar | Uttarakhand | 29.910816 | 79.655226 | 1249.9 |
| 20 | RK20 | IC 393315 | Dhangal-gaon | Chamoli | Uttarakhand | 29.754979 | 78.940364 | 1757.0 |
| 21 | RK21 | IC 393318 | Bandarkhand | Chamoli | Uttarakhand | 30.231526 | 79.290919 | 1790.0 |
| 22 | RK22 | IC 356007 | Urgam | Chamoli | Uttarakhand | 30.593323 | 79.384302 | 3665.0 |
| 23 | RK23 | IC 356075 | Jhimjhi | Chamoli | Uttarakhand | 30.069239 | 79.440463 | 1941.0 |
| 24 | RK24 | IC 360856 | Rani | Chamoli | Uttarakhand | 30.191361 | 79.455689 | 2073.0 |
| 25 | RK25 | IC 392599 | Chaudiyar | Pithoragarh | Uttarakhand | 29.646766 | 80.037644 | 1791.0 |
| 26 | RK26 | IC 392610 | Hanera | Pithoragarh | Uttarakhand | 29.649786 | 80.027696 | 1810.0 |
| 27 | RK27 | UKBa 7 | Kapkot | Bageshwar | Uttarakhand | 30.052370 | 79.986189 | 2023.0 |
| 28 | RK28 | IC 422037 | Makuva | Viziangaram | Andhra Pradesh | 18.664623 | 83.268814 | 131.0 |
| 29 | RK29 | IC 430006 | Kaphalkhet | Bageshwar | Uttarakhand | 29.834945 | 79.764295 | 1023.0 |
| 30 | RK30 | IC 361272 | Uchhana | Rudraprayag | Uttarakhand | 30.414829 | 78.865885 | 2049.0 |
| 31 | RK31 | IC 361297 | Wan | Uttarkashi | Uttarakhand | 30.752203 | 78.261382 | 1595.0 |
| 32 | RK32 | IC 361337 | Balawat | Uttarkashi | Uttarakhand | 31.018276 | 78.048767 | 1280.0 |
| 33 | RK33 | UKCh 8 | Patti | Champawat | Uttarakhand | 29.442242 | 79.902634 | 1142.0 |
| 34 | RK34 | IC 436980 | Khaliyan | Rudraprayag | Uttarakhand | 30.469848 | 78.927219 | 1944.0 |
| 35 | RK35 | IC 382668 | Peera | Rudraprayag | Uttarakhand | 30.237867 | 79.004451 | 1497.0 |
| 36 | RK36 | IC 383628 | Urgam | Chamoli | Uttarakhand | 30.552203 | 79.421719 | 2631.0 |
| 37 | RK37 | UKAl 9 | Pandeykhola | Almora | Uttarakhand | 29.600819 | 79.662487 | 1611.0 |
| 38 | RK38 | UKBa 10 | Bageshwar | Bageshwar | Uttarakhand | 29.877505 | 79.775559 | 991.3 |
| 39 | RK39 | UKNa 11 | Bhowali | Nainital | Uttarakhand | 29.374772 | 79.543864 | 1638.3 |
| 40 | RK40 | UKNa 12 | Bhimtal | Nainital | Uttarakhand | 29.332124 | 79.545303 | 1558.0 |
| 41 | RK41 | UKNa 13 | Mukeshwar 1 | Nainital | Uttarakhand | 29.494743 | 79.644893 | 1745.0 |
| 42 | RK42 | UKNa 14 | Mukeshwar 2 | Nainital | Uttarakhand | 29.467098 | 79.644613 | 2253.7 |
| 43 | RK43 | UKNa 15 | Mukeshwar 3 | Nainital | Uttarakhand | 29.436832 | 79.650197 | 2148.3 |

**Table S2. Agro-morphological and biochemical characteristics of 43 *Cyclanthera pedata* accessions**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Traits** | Days to germination | Days to flowers | Days to fruiting | No. of leaves/ plant | No. of branch/ plant | Plant height (cm) | Fruit width (mm) | Fruit length (mm) | 10 Fruit weight (g) | Seed wt of 10 fruit (g) | Pulp wt of 10 fruit | Pulp % | Seed % | No. of fruit/ pl | Fruit yield/plant | Internode length (mm) | Fruit peel thickness (mm) | Seed width (mm) | Seed thickness (mm) | Seed length (mm) | No. of seed/ 10 fruits | Collar thickness (mm) |
| **Genotype** | ***1*** | ***2*** | ***3*** | ***4*** | ***5*** | ***6*** | ***7*** | ***8*** | ***9*** | ***10*** | ***11*** | ***12*** | ***13*** | ***14*** | ***15*** | ***16*** | ***17*** | ***18*** | ***19*** | ***20*** | ***21*** | ***22*** |
| IC 393261 | 6.00 | 44.50 | 57.91 | 67.86 | 11.86 | 149.25 | 20.52 | 51.22 | 23.50 | 1.39 | 22.12 | 94.09 | 5.91 | 241.78 | 584.00 | 12.65 | 1.51 | 5.30 | 2.41 | 10.21 | 31.46 | 7.85 |
| IC 393263 | 7.92 | 53.50 | 59.08 | 47.42 | 15.03 | 140.75 | 15.04 | 43.41 | 42.50 | 2.10 | 40.41 | 95.07 | 4.93 | 212.46 | 910.00 | 12.56 | 1.48 | 4.76 | 2.86 | 10.63 | 41.29 | 6.85 |
| IC 393308 | 6.50 | 53.00 | 67.99 | 39.63 | 18.75 | 131.88 | 15.20 | 37.25 | 27.00 | 1.89 | 25.11 | 92.99 | 7.01 | 364.01 | 1000.00 | 11.23 | 1.14 | 3.62 | 2.53 | 9.67 | 30.78 | 6.75 |
| IC 393309 | 10.50 | 50.50 | 61.33 | 62.67 | 20.03 | 132.00 | 14.59 | 52.46 | 30.00 | 2.50 | 27.50 | 91.49 | 8.51 | 222.85 | 650.00 | 11.80 | 1.64 | 5.43 | 2.76 | 9.77 | 48.54 | 11.00 |
| IC 393311 | 6.67 | 49.00 | 80.08 | 96.81 | 19.80 | 172.75 | 15.82 | 35.39 | 28.50 | 2.78 | 25.73 | 90.22 | 9.78 | 346.30 | 950.00 | 9.90 | 1.51 | 5.12 | 2.49 | 10.17 | 41.79 | 6.80 |
| IC 393313 | 7.83 | 52.50 | 59.36 | 68.27 | 13.64 | 109.20 | 15.16 | 49.88 | 34.00 | 2.46 | 31.55 | 92.37 | 7.63 | 189.24 | 650.00 | 10.75 | 1.44 | 4.62 | 2.50 | 11.05 | 39.71 | 8.63 |
| IC 356015 | 6.92 | 53.00 | 59.25 | 44.75 | 23.25 | 142.33 | 15.98 | 43.34 | 35.00 | 2.57 | 32.43 | 92.61 | 7.39 | 91.69 | 325.00 | 10.93 | 1.73 | 5.04 | 2.48 | 10.94 | 42.10 | 8.67 |
| IC 421984 | 6.67 | 54.00 | 62.22 | 50.62 | 20.80 | 168.92 | 17.75 | 48.88 | 44.00 | 2.88 | 41.12 | 93.45 | 6.55 | 231.88 | 1000.00 | 12.15 | 1.52 | 4.26 | 2.36 | 10.18 | 48.77 | 6.25 |
| IC 436969 | 7.25 | 54.00 | 62.40 | 86.45 | 22.83 | 134.50 | 15.48 | 54.01 | 50.00 | 3.38 | 46.62 | 93.19 | 6.81 | 74.12 | 375.00 | 12.43 | 1.34 | 5.04 | 2.56 | 10.97 | 40.68 | 8.53 |
| IC 406538 | 7.83 | 52.50 | 61.90 | 60.20 | 27.90 | 137.13 | 12.64 | 40.51 | 35.00 | 1.73 | 33.27 | 95.06 | 4.94 | 290.69 | 995.00 | 11.90 | 1.58 | 5.37 | 2.61 | 10.74 | 42.23 | 9.70 |
| IC 393250 | 7.45 | 54.00 | 61.89 | 60.76 | 16.50 | 151.33 | 17.08 | 48.79 | 43.50 | 2.72 | 40.78 | 93.71 | 6.29 | 91.22 | 385.00 | 10.83 | 1.77 | 5.93 | 2.80 | 10.46 | 43.48 | 6.35 |
| IC 393255 | 8.60 | 55.00 | 61.71 | 41.58 | 19.25 | 147.75 | 15.12 | 46.27 | 44.50 | 3.00 | 41.50 | 93.26 | 6.74 | 168.94 | 750.00 | 10.76 | 1.64 | 5.10 | 2.78 | 10.80 | 45.84 | 7.60 |
| IC 393259 | 6.83 | 46.50 | 62.61 | 55.70 | 16.87 | 160.21 | 17.70 | 51.51 | 42.50 | 3.51 | 39.00 | 91.75 | 8.25 | 130.40 | 550.00 | 13.60 | 1.74 | 3.81 | 2.26 | 9.92 | 50.14 | 6.60 |
| UK 1 | 7.17 | 52.00 | 61.00 | 33.76 | 10.90 | 124.50 | 12.34 | 39.11 | 39.00 | 2.46 | 36.54 | 93.36 | 6.64 | 241.67 | 935.00 | 10.55 | 1.86 | 5.01 | 2.28 | 10.00 | 42.80 | 5.55 |
| UK 2 | 7.17 | 55.00 | 76.63 | 57.93 | 17.07 | 127.33 | 15.88 | 39.26 | 36.50 | 2.87 | 33.63 | 92.11 | 7.89 | 110.11 | 400.00 | 12.60 | 1.73 | 6.12 | 2.63 | 10.27 | 40.71 | 9.70 |
| UK 3 | 7.25 | 52.00 | 59.09 | 74.69 | 20.13 | 128.17 | 17.23 | 50.34 | 40.50 | 1.59 | 38.91 | 96.06 | 3.94 | 48.04 | 200.00 | 12.00 | 1.58 | 5.22 | 2.61 | 10.51 | 40.46 | 8.35 |
| UK 4 | 8.25 | 51.50 | 60.41 | 45.73 | 17.30 | 136.00 | 15.71 | 53.10 | 44.00 | 3.06 | 40.95 | 93.05 | 6.95 | 97.57 | 425.00 | 13.20 | 1.78 | 5.16 | 2.57 | 10.59 | 43.90 | 14.80 |
| UK 5 | 8.23 | 52.50 | 62.24 | 63.11 | 21.67 | 121.17 | 14.03 | 47.73 | 40.50 | 2.63 | 37.88 | 93.50 | 6.50 | 87.91 | 355.00 | 13.90 | 1.87 | 4.92 | 2.55 | 10.12 | 40.92 | 6.65 |
| UK 6 | 7.25 | 49.00 | 75.11 | 51.22 | 12.75 | 159.63 | 15.36 | 53.18 | 38.50 | 3.52 | 34.98 | 90.82 | 9.18 | 95.70 | 375.00 | 12.10 | 1.60 | 4.69 | 2.49 | 11.23 | 57.93 | 7.83 |
| IC 393315 | 7.17 | 50.50 | 58.92 | 38.36 | 22.08 | 133.54 | 17.13 | 52.09 | 33.00 | 2.67 | 30.33 | 91.85 | 8.15 | 82.78 | 278.00 | 13.57 | 1.87 | 5.51 | 2.81 | 10.63 | 39.85 | 8.53 |
| IC 393318 | 11.33 | 55.00 | 61.56 | 52.13 | 18.63 | 141.13 | 16.26 | 49.34 | 32.50 | 2.77 | 29.74 | 91.45 | 8.55 | 132.14 | 425.00 | 11.06 | 1.51 | 5.03 | 2.96 | 10.39 | 34.74 | 6.75 |
| IC 356007 | 10.17 | 49.60 | 55.31 | 76.42 | 17.00 | 165.88 | 16.43 | 43.68 | 36.00 | 1.47 | 34.54 | 95.92 | 4.08 | 109.92 | 403.00 | 10.55 | 1.54 | 5.25 | 3.96 | 10.76 | 38.05 | 6.68 |
| IC 356075 | 9.33 | 49.50 | 55.58 | 64.46 | 20.75 | 136.00 | 16.28 | 41.58 | 56.50 | 3.80 | 52.71 | 93.25 | 6.75 | 133.32 | 775.00 | 13.73 | 1.81 | 5.06 | 2.84 | 11.19 | 61.03 | 7.25 |
| IC 360856 | 7.42 | 50.00 | 52.92 | 75.29 | 26.15 | 153.42 | 15.77 | 35.23 | 44.00 | 2.46 | 41.54 | 94.40 | 5.60 | 133.33 | 580.00 | 14.35 | 1.87 | 4.89 | 2.64 | 11.22 | 35.88 | 8.65 |
| IC 392599 | 6.17 | 49.00 | 52.57 | 54.39 | 33.03 | 178.25 | 19.71 | 49.79 | 42.00 | 2.35 | 39.65 | 94.38 | 5.62 | 227.56 | 924.00 | 12.90 | 1.84 | 5.02 | 2.53 | 10.75 | 37.35 | 6.75 |
| IC 392610 | 9.08 | 52.50 | 61.94 | 48.44 | 15.17 | 164.17 | 14.03 | 38.63 | 51.50 | 4.08 | 47.42 | 92.06 | 7.94 | 214.24 | 1120.00 | 13.25 | 1.73 | 4.89 | 2.69 | 10.32 | 43.11 | 6.40 |
| UK 7 | 7.67 | 47.50 | 62.35 | 42.66 | 14.96 | 140.00 | 18.78 | 38.90 | 44.50 | 1.76 | 42.75 | 96.05 | 3.95 | 35.71 | 476.00 | 12.15 | 1.66 | 5.40 | 2.35 | 10.67 | 44.84 | 6.85 |
| IC 422037 | 7.75 | 48.50 | 62.01 | 42.41 | 20.00 | 119.75 | 15.77 | 32.16 | 33.00 | 1.58 | 31.43 | 95.19 | 4.81 | 53.33 | 536.00 | 11.80 | 1.66 | 4.92 | 2.60 | 10.45 | 34.93 | 7.40 |
| IC 430006 | 7.50 | 49.00 | 62.05 | 33.26 | 25.17 | 93.67 | 15.50 | 36.30 | 53.00 | 4.11 | 48.89 | 92.23 | 7.77 | 124.29 | 675.00 | 14.05 | 1.65 | 4.58 | 2.43 | 10.62 | 59.89 | 6.53 |
| IC 361272 | 7.83 | 51.00 | 57.76 | 63.87 | 21.00 | 142.50 | 14.28 | 37.70 | 28.00 | 2.92 | 25.09 | 89.53 | 10.47 | 76.92 | 212.00 | 12.00 | 1.91 | 4.92 | 2.71 | 10.24 | 48.61 | 8.70 |
| IC 361297 | 7.50 | 50.00 | 59.56 | 37.92 | 20.00 | 118.33 | 15.71 | 41.99 | 37.50 | 3.87 | 33.63 | 89.63 | 10.37 | 83.39 | 305.00 | 10.80 | 1.64 | 4.77 | 2.57 | 10.80 | 53.70 | 7.78 |
| IC 361337 | 9.00 | 48.50 | 65.88 | 62.06 | 16.00 | 122.00 | 15.61 | 49.11 | 32.00 | 2.43 | 29.58 | 92.39 | 7.61 | 61.27 | 195.00 | 11.45 | 1.28 | 4.64 | 2.11 | 10.16 | 31.71 | 7.68 |
| UK 8 | 7.33 | 48.50 | 50.68 | 39.96 | 17.50 | 155.75 | 15.03 | 45.79 | 32.50 | 3.19 | 29.31 | 90.16 | 9.84 | 88.24 | 475.00 | 13.30 | 1.95 | 5.19 | 2.65 | 10.66 | 53.20 | 6.75 |
| IC 436980 | 10.45 | 54.50 | 62.08 | 46.00 | 31.50 | 151.25 | 14.74 | 39.18 | 37.00 | 4.11 | 32.89 | 88.79 | 11.21 | 150.74 | 550.00 | 11.75 | 1.91 | 5.05 | 2.68 | 10.69 | 32.53 | 7.85 |
| IC 382668 | 7.58 | 49.00 | 59.10 | 30.49 | 21.25 | 149.25 | 14.30 | 40.79 | 43.00 | 2.03 | 40.97 | 95.24 | 4.76 | 117.12 | 475.00 | 12.20 | 2.42 | 5.24 | 2.58 | 10.18 | 37.26 | 7.10 |
| IC 383628 | 7.43 | 49.00 | 57.61 | 44.77 | 18.00 | 166.08 | 15.63 | 44.28 | 39.00 | 2.47 | 36.54 | 93.71 | 6.29 | 103.57 | 380.00 | 12.25 | 1.32 | 5.48 | 2.61 | 10.38 | 38.96 | 9.70 |
| Almora local | 7.50 | 48.50 | 57.15 | 34.79 | 19.25 | 139.67 | 15.35 | 38.06 | 40.00 | 1.68 | 38.32 | 95.24 | 4.76 | 152.89 | 691.00 | 13.15 | 1.53 | 5.34 | 2.58 | 9.82 | 43.17 | 6.75 |
| Bageshwar local | 7.25 | 49.00 | 54.73 | 41.67 | 22.13 | 135.50 | 14.22 | 44.96 | 56.00 | 3.50 | 52.50 | 93.71 | 6.29 | 173.46 | 1010.00 | 13.60 | 1.86 | 5.38 | 2.67 | 10.71 | 49.53 | 6.97 |
| Bhowali local | 7.92 | 48.00 | 54.84 | 21.94 | 20.87 | 159.17 | 15.66 | 42.25 | 56.50 | 2.44 | 54.07 | 95.66 | 4.34 | 121.75 | 734.00 | 11.85 | 1.82 | 5.78 | 2.77 | 10.29 | 44.72 | 7.94 |
| Bhimtal local | 7.92 | 52.00 | 61.94 | 33.89 | 25.93 | 169.00 | 17.20 | 42.66 | 56.00 | 2.99 | 53.02 | 94.67 | 5.33 | 268.75 | 1505.00 | 14.20 | 1.93 | 5.06 | 2.81 | 11.06 | 37.77 | 9.70 |
| Mukeshwar local -1 | 6.75 | 51.00 | 58.93 | 51.86 | 23.35 | 115.50 | 16.12 | 36.68 | 51.00 | 3.26 | 47.74 | 93.60 | 6.40 | 45.12 | 232.50 | 9.70 | 1.44 | 5.20 | 2.56 | 10.17 | 56.65 | 11.65 |
| Mukeshwar local- 2 | 6.92 | 47.00 | 57.64 | 43.90 | 25.27 | 138.17 | 17.29 | 39.93 | 42.50 | 3.76 | 38.75 | 90.92 | 9.08 | 62.14 | 225.00 | 15.93 | 1.87 | 5.15 | 2.46 | 10.41 | 56.28 | 8.08 |
| Mukeshwar local -3 | 7.20 | 50.50 | 66.83 | 70.32 | 24.50 | 149.50 | 15.62 | 40.91 | 44.50 | 4.17 | 40.33 | 90.44 | 9.56 | 145.66 | 575.00 | 14.10 | 1.65 | 5.37 | 2.51 | 9.56 | 61.61 | 8.70 |

***Continue***

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Traits** | Leaf length (cm) | Leaf width (cm) | Petiole length (mm) | Total Chl (µg/g) | Total Caratanoids (µg/g) | Crude Protein (%) | TPP (mg GAE/g) | DPPH (% inhibition) | ABTS (% inhibition) | TAA (mM trolox eqivelent/g dw) | FRAP value | Mg (mg/100g) | Ca (mg/100g) | Na (mg/100g) | Mn (mg/100g) | Zn (mg/100g) | Cu (mg/100g) | Fe (mg/100g) | K (mg/100g) | P (%) |
| **Genotype** | ***23*** | ***24*** | ***25*** | ***26*** | ***27*** | ***28*** | ***29*** | ***30*** | ***31*** | ***32*** | ***33*** | ***34*** | ***35*** | ***36*** | ***37*** | ***38*** | ***39*** | ***40*** | ***41*** | ***42*** |
| IC 393261 | 12.33 | 12.78 | 5.78 | 0.96 | 0.59 | 11.40 | 1.47 | 29.49 | 46.62 | 25.70 | 51.06 | 9.18 | 1.73 | 0.87 | 0.07 | 0.12 | 0.043 | 1.22 | 40 | 5.3 |
| IC 393263 | 10.60 | 13.00 | 6.93 | 1.63 | 0.84 | 11.93 | 1.45 | 28.07 | 45.70 | 28.48 | 63.13 | 9.63 | 1.33 | 1.52 | 0.12 | 0.13 | 0.048 | 1.14 | 68 | 8.2 |
| IC 393308 | 12.75 | 16.45 | 7.75 | 1.63 | 0.77 | 12.39 | 1.65 | 19.32 | 32.67 | 22.11 | 46.08 | 10.44 | 2.24 | 0.80 | 0.12 | 0.17 | 0.047 | 1.32 | 39 | 5 |
| IC 393309 | 12.03 | 15.85 | 10.05 | 1.57 | 0.83 | 13.28 | 1.81 | 28.15 | 47.29 | 28.60 | 64.46 | 10.50 | 2.50 | 0.40 | 0.12 | 0.18 | 0.046 | 1.10 | 39 | 5.4 |
| IC 393311 | 12.93 | 12.08 | 8.55 | 1.11 | 0.65 | 12.20 | 1.53 | 27.19 | 43.55 | 25.04 | 53.20 | 11.20 | 2.46 | 0.60 | 0.12 | 0.15 | 0.046 | 1.40 | 32 | 5.4 |
| IC 393313 | 13.10 | 15.50 | 8.15 | 2.06 | 1.01 | 12.64 | 1.46 | 25.09 | 41.15 | 23.33 | 60.20 | 12.26 | 2.30 | 0.50 | 0.14 | 0.24 | 0.047 | 1.40 | 50 | 5.4 |
| IC 356015 | 11.87 | 13.67 | 8.63 | 1.39 | 0.73 | 10.99 | 1.53 | 24.09 | 39.81 | 23.24 | 64.91 | 12.06 | 2.28 | 0.24 | 0.21 | 0.18 | 0.042 | 1.30 | 43 | 5.2 |
| IC 421984 | 12.95 | 13.83 | 5.15 | 1.77 | 0.89 | 11.26 | 1.26 | 15.75 | 29.58 | 19.67 | 50.76 | 10.10 | 2.00 | 0.27 | 0.13 | 0.18 | 0.044 | 1.20 | 42 | 8.6 |
| IC 436969 | 13.53 | 16.57 | 8.95 | 2.04 | 0.97 | 12.37 | 1.49 | 28.19 | 48.15 | 31.87 | 54.96 | 12.57 | 1.80 | 0.60 | 0.14 | 0.17 | 0.048 | 1.40 | 34 | 4.8 |
| IC 406538 | 13.13 | 13.95 | 8.95 | 1.41 | 0.72 | 11.88 | 1.40 | 25.51 | 41.89 | 27.79 | 53.84 | 10.54 | 2.04 | 0.20 | 0.13 | 0.19 | 0.042 | 1.30 | 28 | 5 |
| IC 393250 | 14.07 | 16.03 | 9.35 | 0.75 | 0.52 | 12.46 | 1.65 | 34.99 | 52.25 | 28.57 | 73.23 | 12.50 | 2.06 | 0.30 | 0.14 | 0.19 | 0.045 | 1.30 | 38 | 8.2 |
| IC 393255 | 15.18 | 15.63 | 8.95 | 0.49 | 0.38 | 11.92 | 1.49 | 16.82 | 30.74 | 18.07 | 62.99 | 12.46 | 1.76 | 0.35 | 0.15 | 0.25 | 0.050 | 1.40 | 34 | 4.6 |
| IC 393259 | 13.68 | 16.08 | 10.05 | 2.15 | 1.04 | 11.42 | 1.69 | 20.28 | 34.38 | 22.14 | 66.13 | 12.62 | 2.63 | 0.48 | 0.14 | 0.22 | 0.046 | 1.40 | 32 | 4.6 |
| UK 1 | 13.60 | 15.88 | 7.65 | 1.36 | 0.72 | 10.45 | 1.16 | 16.27 | 28.81 | 16.02 | 32.70 | 13.00 | 2.45 | 0.36 | 0.20 | 0.27 | 0.051 | 1.30 | 36 | 6.3 |
| UK 2 | 10.45 | 10.88 | 8.15 | 1.06 | 0.60 | 13.55 | 1.89 | 26.91 | 42.94 | 29.76 | 66.03 | 12.35 | 2.48 | 0.40 | 0.13 | 0.19 | 0.045 | 1.52 | 32 | 4.8 |
| UK 3 | 12.38 | 14.25 | 7.35 | 1.49 | 0.75 | 10.99 | 1.71 | 27.63 | 44.80 | 32.58 | 50.30 | 9.35 | 1.75 | 0.56 | 0.13 | 0.18 | 0.009 | 0.92 | 58 | 7.8 |
| UK 4 | 12.80 | 15.48 | 6.45 | 1.61 | 0.84 | 12.48 | 1.93 | 31.10 | 48.56 | 31.96 | 72.79 | 8.50 | 2.20 | 1.30 | 0.12 | 0.16 | 0.026 | 0.82 | 36 | 7.5 |
| UK 5 | 14.25 | 16.05 | 5.85 | 1.24 | 0.65 | 14.28 | 1.87 | 29.24 | 51.72 | 33.96 | 65.30 | 10.44 | 3.08 | 0.46 | 0.13 | 0.17 | 0.021 | 0.77 | 28 | 6.8 |
| UK 6 | 13.85 | 14.03 | 9.95 | 1.53 | 0.77 | 12.15 | 1.61 | 31.12 | 53.43 | 29.88 | 63.90 | 12.86 | 3.64 | 0.55 | 0.13 | 0.19 | 0.042 | 1.40 | 28 | 6.4 |
| IC 393315 | 13.13 | 15.40 | 8.15 | 1.98 | 0.98 | 11.89 | 1.50 | 28.96 | 49.89 | 39.04 | 52.78 | 8.80 | 1.60 | 1.44 | 0.12 | 0.18 | 0.023 | 0.76 | 28 | 5 |
| IC 393318 | 12.30 | 15.10 | 4.35 | 1.15 | 0.62 | 11.34 | 1.57 | 26.48 | 46.37 | 29.19 | 67.83 | 14.13 | 2.97 | 1.00 | 0.12 | 0.17 | 0.024 | 0.72 | 30 | 4.2 |
| IC 356007 | 12.28 | 14.45 | 6.35 | 1.67 | 0.85 | 12.37 | 1.86 | 34.01 | 52.76 | 37.33 | 94.74 | 14.35 | 2.15 | 0.24 | 0.13 | 0.18 | 0.029 | 0.81 | 34 | 5 |
| IC 356075 | 12.58 | 13.95 | 5.25 | 1.43 | 0.71 | 11.78 | 1.79 | 28.52 | 43.32 | 24.92 | 65.74 | 11.80 | 2.70 | 0.40 | 0.13 | 0.18 | 0.027 | 0.78 | 34 | 5.2 |
| IC 360856 | 12.88 | 14.45 | 5.85 | 1.16 | 0.58 | 12.44 | 1.75 | 28.45 | 44.96 | 28.68 | 77.26 | 10.95 | 2.10 | 0.20 | 0.19 | 0.19 | 0.039 | 1.35 | 30 | 4.8 |
| IC 392599 | 11.98 | 14.55 | 5.85 | 1.05 | 0.59 | 11.27 | 1.55 | 16.65 | 29.92 | 22.26 | 60.53 | 13.50 | 3.70 | 0.60 | 0.13 | 0.19 | 0.026 | 0.86 | 32 | 4.6 |
| IC 392610 | 12.95 | 15.50 | 7.95 | 2.19 | 1.04 | 10.73 | 1.87 | 26.81 | 43.33 | 30.62 | 75.32 | 10.73 | 2.60 | 0.85 | 0.13 | 0.19 | 0.023 | 0.78 | 26 | 4.8 |
| UK 7 | 11.00 | 11.65 | 7.95 | 1.30 | 0.66 | 9.35 | 1.89 | 26.08 | 42.63 | 24.93 | 72.72 | 12.37 | 1.70 | 0.66 | 0.13 | 0.19 | 0.031 | 1.38 | 38 | 4.8 |
| IC 422037 | 10.25 | 10.60 | 6.35 | 1.16 | 0.60 | 12.42 | 1.79 | 26.20 | 44.43 | 25.24 | 80.55 | 14.00 | 2.65 | 1.13 | 0.12 | 0.19 | 0.024 | 0.90 | 30 | 4.8 |
| IC 430006 | 12.18 | 13.80 | 7.35 | 1.96 | 0.97 | 9.24 | 1.98 | 30.17 | 51.58 | 35.47 | 101.60 | 13.20 | 3.08 | 1.62 | 0.25 | 0.16 | 0.027 | 0.91 | 34 | 4.6 |
| IC 361272 | 11.85 | 13.15 | 5.05 | 1.82 | 0.89 | 11.82 | 1.57 | 22.91 | 42.61 | 23.42 | 84.41 | 12.32 | 3.14 | 1.37 | 0.14 | 0.21 | 0.026 | 0.94 | 45 | 4.4 |
| IC 361297 | 11.90 | 14.15 | 7.75 | 1.30 | 0.66 | 9.35 | 1.99 | 26.07 | 42.26 | 24.76 | 72.50 | 12.84 | 3.82 | 2.86 | 0.14 | 0.28 | 0.025 | 0.85 | 40 | 4.8 |
| IC 361337 | 14.30 | 15.10 | 8.25 | 1.05 | 0.58 | 11.72 | 1.59 | 16.47 | 29.57 | 22.50 | 60.50 | 13.12 | 3.22 | 0.36 | 0.15 | 0.27 | 0.025 | 0.87 | 40 | 4.8 |
| UK 8 | 11.65 | 12.80 | 8.35 | 1.61 | 0.79 | 9.13 | 1.48 | 23.24 | 40.68 | 26.90 | 80.53 | 13.40 | 2.72 | 0.40 | 0.06 | 0.17 | 0.024 | 0.85 | 49 | 5 |
| IC 436980 | 13.00 | 15.85 | 7.55 | 1.57 | 0.75 | 9.87 | 1.69 | 23.13 | 39.74 | 23.49 | 89.60 | 10.90 | 1.90 | 0.90 | 0.12 | 0.18 | 0.028 | 0.82 | 28 | 4.8 |
| IC 382668 | 13.85 | 16.30 | 5.35 | 1.05 | 0.58 | 11.22 | 1.59 | 16.44 | 29.20 | 22.71 | 60.20 | 11.80 | 3.50 | 1.50 | 0.14 | 0.27 | 0.024 | 0.88 | 32 | 4.8 |
| IC 383628 | 13.00 | 15.55 | 8.55 | 1.76 | 0.86 | 14.20 | 2.19 | 23.32 | 39.53 | 25.75 | 90.96 | 12.60 | 3.73 | 0.70 | 0.14 | 0.21 | 0.043 | 1.10 | 50 | 5 |
| Almora local | 12.90 | 14.90 | 8.35 | 0.96 | 0.55 | 12.87 | 2.09 | 28.26 | 44.87 | 24.90 | 87.46 | 12.95 | 2.64 | 1.60 | 0.12 | 0.09 | 0.024 | 1.20 | 32 | 4.8 |
| Bageshwar local | 15.25 | 14.30 | 8.63 | 2.53 | 1.09 | 11.37 | 1.77 | 26.66 | 42.01 | 29.53 | 86.50 | 10.98 | 2.33 | 1.12 | 0.13 | 0.20 | 0.027 | 0.92 | 38 | 4.8 |
| Bhowali local | 13.40 | 16.70 | 7.55 | 1.15 | 0.60 | 12.50 | 1.61 | 30.45 | 51.26 | 32.57 | 97.88 | 14.20 | 2.10 | 0.40 | 0.08 | 0.10 | 0.025 | 1.16 | 34 | 5 |
| Bhimtal local | 13.35 | 16.35 | 6.45 | 1.16 | 0.60 | 11.92 | 1.82 | 26.13 | 44.38 | 25.03 | 80.48 | 13.14 | 1.86 | 0.50 | 0.14 | 0.16 | 0.050 | 1.20 | 34 | 5 |
| Mukeshwar local -1 | 13.35 | 17.25 | 6.73 | 1.05 | 0.58 | 11.27 | 1.59 | 16.42 | 29.57 | 22.29 | 60.49 | 10.23 | 2.32 | 0.80 | 0.11 | 0.17 | 0.036 | 0.80 | 34 | 4.8 |
| Mukeshwar local- 2 | 12.40 | 14.85 | 9.15 | 2.61 | 1.12 | 13.16 | 2.36 | 37.09 | 57.18 | 38.12 | 118.13 | 9.36 | 2.15 | 0.56 | 0.12 | 0.20 | 0.034 | 0.92 | 32 | 4.6 |
| Mukeshwar local -3 | 12.43 | 15.23 | 9.45 | 1.16 | 0.60 | 11.92 | 1.82 | 26.42 | 44.70 | 25.48 | 80.01 | 11.20 | 2.60 | 0.54 | 0.12 | 0.20 | 0.041 | 1.10 | 34 | 4.4 |