**Supplementary tables and figures**

Table 1: Description summary of studied area

**Table 2:** Major various species observed in the study area

**Figure 1:** Location map of the studied cities

Table 1: Description summary of studied area

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Cities | Altitude (m) | Latitude | Longitude | Temperature (°C) | Rainfall (mm) | Population |
| Adama | 1620 | 8°32′24″ N | 39°16′12″ E | 21 | 838 | 150,228 |
| Bishoftu | 2135 | 8**°**43′26″ N | 38**°**56′24″ E | 20 | 1076 | 85265 |
| Burayu | 2600 | 9**°**02′30″ N | 38**°**03′30″ E | 14-22 | 1188 | 76,681 |
| Sabata | 2065 | 8**°**53′38″ N | 38**°**35′11″ E | 13-25 | 1605 | 97,554 |

**Table 2: Major various species observed in the study area**

|  |  |  |  |
| --- | --- | --- | --- |
| No.  | Trees  | Shrubs  | Grass |
| 1 | *Acacia saligna* | *Carissa edulis* | *Cymbopogon martini* |
| 2 | *Acacia tortolis* | *Dovyalis abyssinica* | *Dahilia sp.* |
| 3 | *Azadrachta indica* | *Phoenix reclinata* | *Pennisetum clandestinum* |
| 4 | *Cordia africana* | *Dovyalis abyssinica* | *Arundo donax* |
| 5 | *Croton macrostachyus* | *Psidium guajava* | *Gazania thermalis* |
| 6 | *Cupressus pyramidalis* | *Punica granatum* | *Aloe vera* |
| 7 | *Spathodea niloitica* | *Rosa abyssinica* | *Mussa enseta* |
| 8 | *Delonix regia* | *Hibiscus rosasinesis* | *Gazania thermalis* |
| 9 | *Ficus vasta* | *Lantana montevidensis* |  |
| 10 | *Mangifera indica* | *Coffee Arabica* |  |
| 11 | *Persea americana* |  |  |



**Figure 1: Location map of the studied cities**