**Table 8.** The experimental values of the performance metrics obtained for the testing set of Jayanti.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Input****combinations** | **Models** | *R*2 | *d* | *Ag* | *RMSE* | *RMSRE* | *Ae* |
|  | DT | 0.591 | 0.872 | 0.731 | 0.847 | 0.190 | 0.519 |
| *C*1 | ANNANFIS | 0.6120.604 | 0.8720.879 | 0.7420.742 | 0.8250.833 | 0.1900.187 | 0.5080.510 |
|  | *EvatCrop* | **0.615** | **0.880** | **0.748** | **0.821** | **0.186** | **0.504** |
|  | DT | 0.880 | 0.970 | 0.925 | 0.458 | 0.092 | 0.275 |
| *C*2 | ANNANFIS | 0.8950.907 | 0.9730.977 | 0.9340.942 | 0.4290.404 | 0.0870.079 | 0.2580.241 |
|  | *EvatCrop* | **0.909** | **0.977** | **0.943** | **0.400** | **0.078** | **0.239** |
|  | DT | 0.624 | 0.895 | 0.760 | 0.812 | 0.182 | 0.497 |
| *C*3 | ANNANFIS | 0.6210.630 | 0.8930.901 | 0.7570.766 | 0.8150.805 | 0.1790.180 | 0.4970.493 |
|  | *EvatCrop* | **0.667** | **0.907** | **0.787** | **0.764** | **0.171** | **0.467** |
|  | DT | 0.664 | 0.900 | 0.782 | 0.767 | 0.161 | 0.464 |
| *C*4 | ANNANFIS | 0.6980.685 | 0.9100.909 | 0.8040.797 | 0.7280.743 | 0.1530.155 | 0.4400.449 |
|  | *EvatCrop* | **0.704** | **0.914** | **0.809** | **0.721** | **0.150** | **0.435** |
|  | DT | 0.882 | 0.970 | 0.926 | 0.456 | 0.092 | 0.274 |
| *C*5 | ANNANFIS | 0.9040.891 | 0.9760.972 | 0.9400.931 | 0.4100.438 | 0.0820.091 | 0.2460.264 |
|  | *EvatCrop* | **0.913** | **0.978** | **0.945** | **0.390** | **0.077** | **0.234** |
|  | DT | 0.930 | 0.982 | 0.956 | 0.350 | 0.071 | 0.210 |
| *C*6 | ANNANFIS | 0.9580.966 | 0.9890.992 | 0.9730.979 | 0.2720.244 | 0.0580.051 | 0.1650.147 |
|  | *EvatCrop* | **0.970** | **0.993** | **0.981** | **0.229** | **0.045** | **0.137** |
|  | DT | 0.715 | 0.920 | 0.817 | 0.708 | 0.155 | 0.431 |
| *C*7 | ANNANFIS | 0.7380.225 | 0.9270.823 | 0.8320.524 | 0.6791.166 | 0.1450.265 | 0.4120.716 |
|  | *EvatCrop* | **0.771** | **0.940** | **0.856** | **0.633** | **0.132** | **0.383** |
|  | DT | 0.923 | 0.980 | 0.952 | 0.367 | 0.076 | 0.222 |
| *C*8 | ANNANFIS | 0.9490.505 | 0.9870.803 | 0.9680.654 | 0.2991.324 | 0.0680.273 | 0.1840.798 |
|  | *EvatCrop* | **0.972** | **0.993** | **0.982** | **0.223** | **0.045** | **0.134** |

\**RMSE* measured in mm/day.