Table 1: Effect of water soluble fertilizer on growth attributes of tomato var. Vaibhav.

|  |  |  |  |
| --- | --- | --- | --- |
| Treatments | Plant height (cm) | Number of branches/plant | Leaf Area Index |
| T1 : Control | 72.33 | 16.33 | 2.92 |
| T2 :RDF | 74.30 | 17.13 | 3.15 |
| T3 :RDF + Water spray | 75.73 | 18.00 | 3.22 |
| T4 :RDF + NPK (11: 36: 24) at 1 % | 77.73 | 18.83 | 3.44 |
| T5 :RDF + NPK (11: 36: 24) at 1.5 % | 81.60 | 20.40 | 3.74 |
| T6 :RDF + NPK (11: 36: 24) at 2 % | 81.93 | 20.53 | 3.81 |
| T7 :RDF + NPK (8: 16: 39) at 1 % | 77.47 | 18.27 | 3.28 |
| T8 :RDF + NPK (8: 16: 39) at 1.5 % | 79.07 | 19.07 | 3.49 |
| T9 :RDF + NPK (8: 16: 39) at 2 % | 80.27 | 20.07 | 3.69 |
| T10 :RDF + NPK (11: 36: 24) at 1 % + NPK (8: 16: 39) at 1 % | 85.67 | 20.93 | 4.02 |
| T11 :RDF + NPK (11: 36: 24) at 1 % + NPK (8: 16: 39) at 1 % | 93.67 | 22.53 | 4.13 |
| T12 :RDF + NPK (11: 36: 24) at 2 % + NPK (8: 16: 39) at 2% | 100.40 | 23.40 | 4.16 |
| SEm ± | 1.22 | 0.45 | 0.04 |
| CD @ P = 0.05 | 3.63 | 1.33 | 0.11 |

Table 2: Effect of water soluble fertilizer on yield attributes of tomato var. Vaibhav.

|  |  |  |  |
| --- | --- | --- | --- |
| Treatments | Average fruit weight (gm) | Average fruit volume  (ml) | No of fruits /plant |
| T1 : Control | 36.37 | 40.33 | 20.62 |
| T2 :RDF | 38.23 | 41.81 | 24.27 |
| T3 :RDF + Water spray | 38.33 | 42.78 | 25.21 |
| T4 :RDF + NPK (11: 36: 24) at 1 % | 40.27 | 44.00 | 25.31 |
| T5 :RDF + NPK (11: 36: 24) at 1.5 % | 41.20 | 45.11 | 27.60 |
| T6 :RDF + NPK (11: 36: 24) at 2 % | 42.42 | 46.33 | 28.77 |
| T7 :RDF + NPK (8: 16: 39) at 1 % | 45.43 | 48.44 | 29.17 |
| T8 :RDF + NPK (8: 16: 39) at 1.5 % | 46.20 | 50.22 | 31.02 |
| T9 :RDF + NPK (8: 16: 39) at 2 % | 48.62 | 52.00 | 32.98 |
| T10 :RDF + NPK (11: 36: 24) at 1 % + NPK (8: 16: 39) at 1 % | 51.80 | 58.78 | 34.02 |
| T11 :RDF + NPK (11: 36: 24) at 1 % + NPK (8: 16: 39) at 1 % | 54.83 | 61.66 | 35.25 |
| T12 :RDF + NPK (11: 36: 24) at 2 % + NPK (8: 16: 39) at 2% | 55.60 | 63.00 | 38.60 |
| SEm ± | 0.86 | 3.31 | 1.12 |
| CD @ P = 0.05 | 2.55 | 9.84 | 3.32 |

Table 3: Effect of water soluble fertilizer on yield attributes of tomato cv. Vaibhav. (cotinued)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Treatments | yield/plant (kg) | yield/ha (tonnes) | Dry weight/ plant (g) | B:C ratio |
| T1 : Control | 0.92 | 18.87 | 142.51 | 1.64 |
| T2 :RDF | 1.10 | 22.86 | 144.46 | 1.70 |
| T3 :RDF + Water spray | 1.16 | 22.93 | 147.42 | 1.71 |
| T4 :RDF + NPK (11: 36: 24) at 1 % | 1.22 | 24.83 | 151.28 | 1.72 |
| T5 :RDF + NPK (11: 36: 24) at 1.5 % | 1.27 | 25.78 | 153.40 | 1.75 |
| T6 :RDF + NPK (11: 36: 24) at 2 % | 1.29 | 26.39 | 156.37 | 1.79 |
| T7 :RDF + NPK (8: 16: 39) at 1 % | 1.34 | 27.28 | 159.35 | 1.93 |
| T8 :RDF + NPK (8: 16: 39) at 1.5 % | 1.35 | 27.62 | 163.49 | 1.87 |
| T9 :RDF + NPK (8: 16: 39) at 2 % | 1.71 | 32.58 | 164.96 | 2.28 |
| T10 :RDF + NPK (11: 36: 24) at 1 % + NPK (8: 16: 39) at 1 % | 1.81 | 34.97 | 169.63 | 2.58 |
| T11 :RDF + NPK (11: 36: 24) at 1 % + NPK (8: 16: 39) at 1 % | 1.89 | 37.62 | 174.50 | 2.64 |
| T12 :RDF + NPK (11: 36: 24) at 2 % + NPK (8: 16: 39) at 2% | 2.03 | 39.87 | 178.37 | 2.71 |
| SEm ± | 0.11 | 1.45 | 0.84 | - |
| CD @ P = 0.05 | 0.33 | 4.30 | 2.50 | - |