Table 1. Effect of vermicompost on yield and blight incidence in taro

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Treatment | PDI  (2011-12) | PDI  (2012-13) | Yield/plant (g)  2011-12 | Yield /plant(g)  2012-13 |
| Soil application | 7.18 | 4.28 | 655 | 752.5 |
| Soil application + spraying at 60 DAP | 2.11 | 2.80 | 692 | 885.0 |
| Soil application + spraying at 90 DAP | 8.97 | 3.50 | 675 | 915.0 |
| Soil application + spraying at 60 & 90 DAP | 4.50 | 2.96 | 630 | 995.0 |
| Seed treatment | 5.26 | 5.18 | 625 | 680.0 |
| Seed treatment + spraying at 60 DAP | 6.38 | 5.45 | 660 | 685.0 |
| Seed treatment + spraying at 90 DAP | 6.15 | 4.61 | 685 | 895.0 |
| Seed treatment + spraying at 60 & 90 DAP | 7.23 | 4.58 | 685 | 802.5 |
| Soil application + seed treatment | 7.14 | 3.63 | 650 | 905.0 |
| Soil application + seed treatment + spraying at 60 DAP | 6.47 | 2.05 | 625 | 925.0 |
| Soil application + seed treatment + spraying at 90 DAP | 5.52 | 2.00 | 745 | 960.0 |
| Soil application + seed treatment + spraying at 60 & 90 DAP | 8.28 | 1.56 | 725 | 1015.0 |
| POP | 12.73 | 3.14 | 590 | 912.5 |
| Control | 16.30 | 8.57 | 430 | 592.5 |
| CD (5%) |  |  | 111.8 | 167.86 |

Table 2. Effect of vermicompost on yield and collar rot incidence in elephant foot yam

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Treatment | Collar rot incidence (%) 2011-12 | Collar rot incidence (%)  2012-13 | Yield/plant (g)  2011-12 | Yield/plant (g)  2012-13 |
| Soil application | 25 | 0.0 | 787.5 | 707.5 |
| Soil application + spraying at 60 DAP | 25 | 0.0 | 806.3 | 975.0 |
| Soil application + spraying at 90 DAP | 0 | 0.0 | 1006.3 | 962.5 |
| Soil application + spraying at 60 & 90 DAP | 0 | 0.0 | 975.0 | 1162.5 |
| Seed treatment | 25 | 20.0 | 718.8 | 610.0 |
| Seed treatment + spraying at 60 DAP | 50 | 10.0 | 681.3 | 660.0 |
| Seed treatment + spraying at 90 DAP | 50 | 10.0 | 618.8 | 657.5 |
| Seed treatment + spraying at 60 & 90 DAP | 25 | 10.0 | 656.3 | 707.5 |
| Soil application + seed treatment | 25 | 0.0 | 687.5 | 1030.0 |
| Soil application + seed treatment + spraying at 60 DAP | 25 | 0.0 | 662.5 | 1042.5 |
| Soil application + seed treatment + spraying at 90 DAP | 0 | 0.0 | 937.5 | 1035.0 |
| Soil application + seed treatment + spraying at 60 & 90 DAP | 25 | 0.0 | 706.3 | 1162.5 |
| POP | 50 | 0.0 | 400.0 | 807.5 |
| Control | 100 | 30.0 | 350.0 | 525.0 |
| CD (5%) |  |  | 285.1 | 261.41 |