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**ONE11-138 – Integrating ground cover crops and new herbicide strategies (conventional and organic) for tree growth and soil health**

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**Lamont Fruit Farm and Mason Farms**

**Ground Cover Establishment Results**

**Table 3.** Ground cover height (inches), ground cover coverage (%), and weed coverage (%) by six ground cover treatments at an on-farm groundcover trial in Wayne County, NY (GC Mason site).

|  |  |  |  |
| --- | --- | --- | --- |
|  | **GC height (inches)** | **GC coverage (%)** | **Weed coverage (%)** |
| **Trt** | **8/22/11** | **6/6/12** | **8/22/11** | **6/6/12** | **8/22/11** | **6/6/12** |
| 1 | 6.6 | 8 | 53 | 50 | 47 | 50 |
| 2 | 5.5 | 8 | 53 | 48 | 47 | 52 |
| 3 | 5.5 | 7 | 53 | 47 | 47 | 53 |
| 4 | 5.5 | 6 | 50 | 47 | 50 | 53 |
| 5 | 6.5 | 6 | 63 | 30 | 37 | 70 |
| 6 | 8 | 10 | 47 | 92 | 53 | 8 |

**Table 4.** Ground cover height (inches), ground cover coverage (%), weed coverage (%), and weed population (number of weeds) by six groundcover treatments at an on-farm research trial in Orleans County, NY (GC Lamont site).

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **GC height (inches)** | **GC coverage (%)** | **Weed coverage (%)** | **Weed population (# weeds)** |
| **Trt** | **5/3/12** | **5/22/12** | **9/30/11** | **5/3/12** | **5/22/12** | **9/30/11** | **5/3/12** | **5/22/12** | **5/3/12** | **5/22/12** |
| 1 | 7 | 10 | 62 | 82 | 81 | 38 | 17 | 18 | 3.5 | 1.6 |
| 2 | 8 | 10 | 78 | 89 | 93 | 21 | 9 | 6 | 2.8 | 1.5 |
| 3 | 5 | 10 | 47 | 74 | 78 | 53 | 22 | 34 | 3.3 | 3 |
| 4 | 6 | 11 | 40 | 81 | 77 | 60 | 15 | 17 | 4 | 2.6 |
| 5 | 8 | 12 | 12 | 66 | 66 | 88 | 22 | 37 | 6 | 2.9 |
| 6 | 9 | 13 | 90 | 90 | 94 | 10 | 10 | 6 | 1.9 | 1.3 |