



ONE12-156 – Integrating ground cover crops and new herbicide strategies (conventional and organic) for tree growth and soil health -- Part II.

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Ground Cover Establishment Evaluation Results

Table 1. Ground cover height (inches), ground cover coverage (%), and weed coverage (%) by six groundcover treatments at an on-farm research trial in Wayne County, NY (GC Fowler site).

Trt #	GC height (inches)		GC Coverage (%)		Weed Coverage (%)	
	8/2/12	9/24/12	8/2/12	9/24/12	8/2/12	9/24/12
1	3.7	10.2	4.4	0.6	89.4	99.4
2	3.6	5.9	40	44	28	40
3	3.6	4.4	22	16	28	70
4	4	5.7	45	60	12	31
5	4.1	5.7	39	75	19	20
6	4.1	9.1	100	100	0	0

Table 2. Ground cover height (inches), ground cover coverage (%), and weed coverage (%) by six groundcover treatments at an on-farm research trial in Orleans County, NY (GC Lamont site).

Trt #	GC height (inches)		GC Coverage (%)		Weed Coverage (%)	
	8/17/12	12/13/12	8/17/12	10/25/12	8/17/12	10/25/12
1	7.73	6.5	71.08	78.66	27.16	19.66
2	6.54	6.58	92.5	93.16	5.25	6
3	8.25	6.08	37.58	69.16	61.58	30.83
4	7.79	7	66.91	82.08	30.41	17.91
5	8.33	8	51.25	71.25	42.5	28.75
6	10.37	5.08	20.83	19.16	78.33	80

The following GC management systems are being studied:

- Trt1 - untreated-natural vegetation
- Trt 2 - OVN-mix 16 lbs/acre
- Trt 3 - Low-Grow mix 16 lb/acre
- Trt 4 - OVN-mix 22 lbs/acre
- Trt 5 - Low-Grow mix 22 lbs/acre
- Trt 6 - Dutch clover at 16 lbs/acre