

Table 1. Summary of test results for both composts.

<h2>Compost Summary</h2>		
	Compost A	Compost B
% Dry Matter	68.2	59.4
<u>Tons/Acre applied:</u>	28 tons/acre (56 tons/ac in row)	22 tons/acre (44 tons/ac in row)
% N	0.53	0.49
N - lb/Acre	294	215
% P	0.17	0.20
P - lb/Acre	94	87
% K	0.35	0.35
K - lb/Acre	194	153

Table 2. Cornell Soil Health Test results from 2012 for all blocks (I, II and III).

		Block I		Block II		Block III				
		B-1 2012		B-2 2012		B-3 2012				
Indicators		Value	Rating	Value	Rating	Value	Rating			
Physical	Aggregate Stability (%)	82.1	99	83.2	99	77	99			
	Available Water Capacity (m/m)	0.24	94	0.24	93	0.24	94			
	Surface Hardness (psi)	70	89	199	38	165	54			
	Subsurface Hardness (psi)	203	82	281	54	281	54			
Biological	Organic Matter (%)	6.0	97	5.3	91	5.3	92			
	Active Carbon (ppm)	479	24	513	30	478	24			
	Potentially Mineralizable Nitrogen	26.5	100	23.2	100	27.0	100			
	Root Health Rating (1-9)	3.8	75	5.2	50	4.6	63			
Chemical	pH	5.5	0	5	0	5.5	0			
	Extractable Phosphorus	1.0	17	1.8	44	3.7	100			
	Extractable Potassium	27.6	11	37.2	33	48.8	72			
	Minor Elements		56		56		100			
Overall Quality Score (Out of 100):			62.0	Medium		57.4	Medium		70.9	High

Table 3. Cornell Soil Health Test results from 2013 for both composts and the control.

		Compost A		Compost B		Control		
		B-1A 2013		B-1B 2013		B-1C 2013		
Indicators		Value	Rating	Value	Rating	Value	Rating	
Physical	Aggregate Stability (%)	84.9	100	88.3	100	88	100	
	Available Water Capacity (m/m)	0.23	91	0.23	92	0.26	98	
	Surface Hardness (psi)	59	91	60	91	55	92	
	Subsurface Hardness (psi)	184	87	192	85	189	86	
Biological	Organic Matter (%)	6.5	99	6.0	97	6.2	98	
	Active Carbon (ppm)	824	87	555	38	764	79	
	Potentially Mineralizable Nitrogen	37.9	100	13.6	56	14.9	63	
	Root Health Rating (1-9)	7.0	25	5.3	50	4.3	63	
Chemical	pH	5.5	11	5.3	0	5.3	0	
	Extractable Phosphorus	2.9	44	2.6	44	3.7	100	
	Extractable Potassium	60.8	100	47.8	72	30.9	11	
	Minor Elements		100		56		56	
Overall Quality Score (Out of 100):			77.9	High	65	Medium	70.4	High

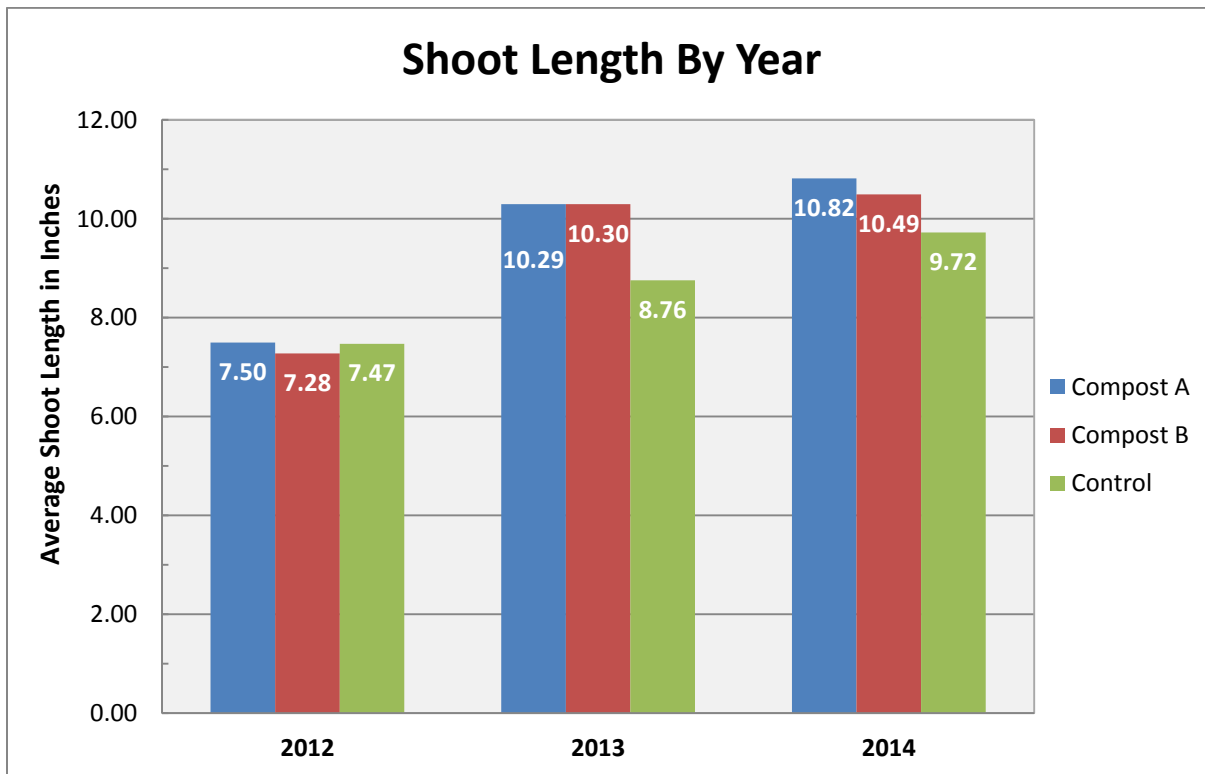


Figure 1. Shoot Length (inches) comparing all treatments by year.

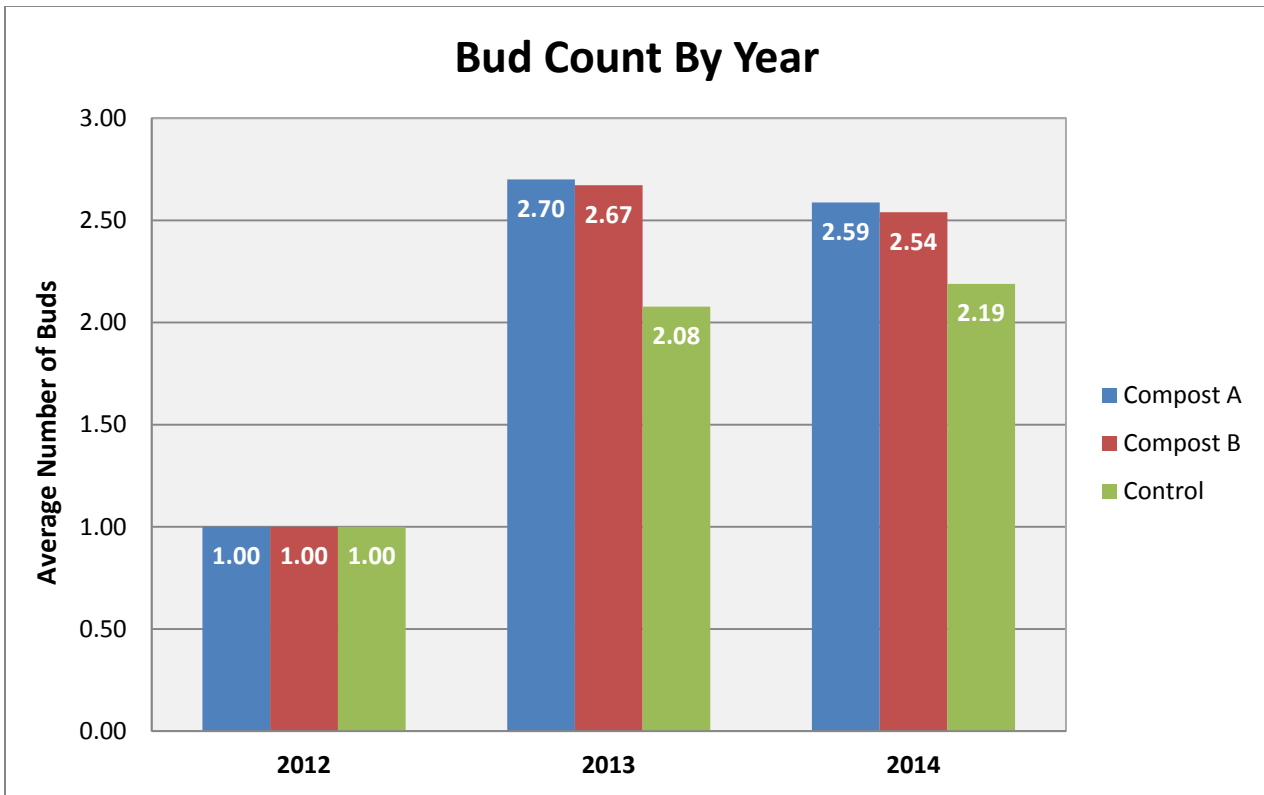


Figure 2. Average number of new tree buds comparing all treatments by year.

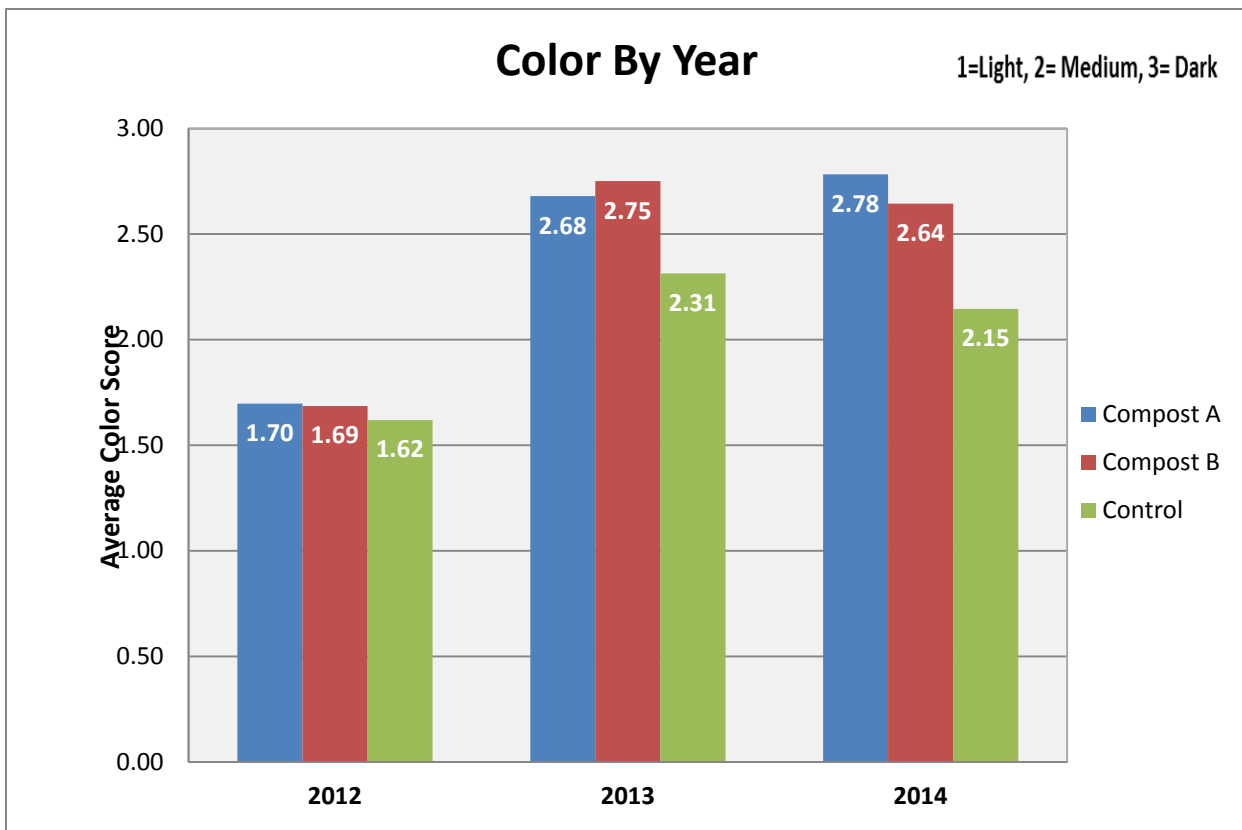


Figure 3. Average color score, on a scale of 1 to 3. 1: Light, 2: Medium, 3: Dark.

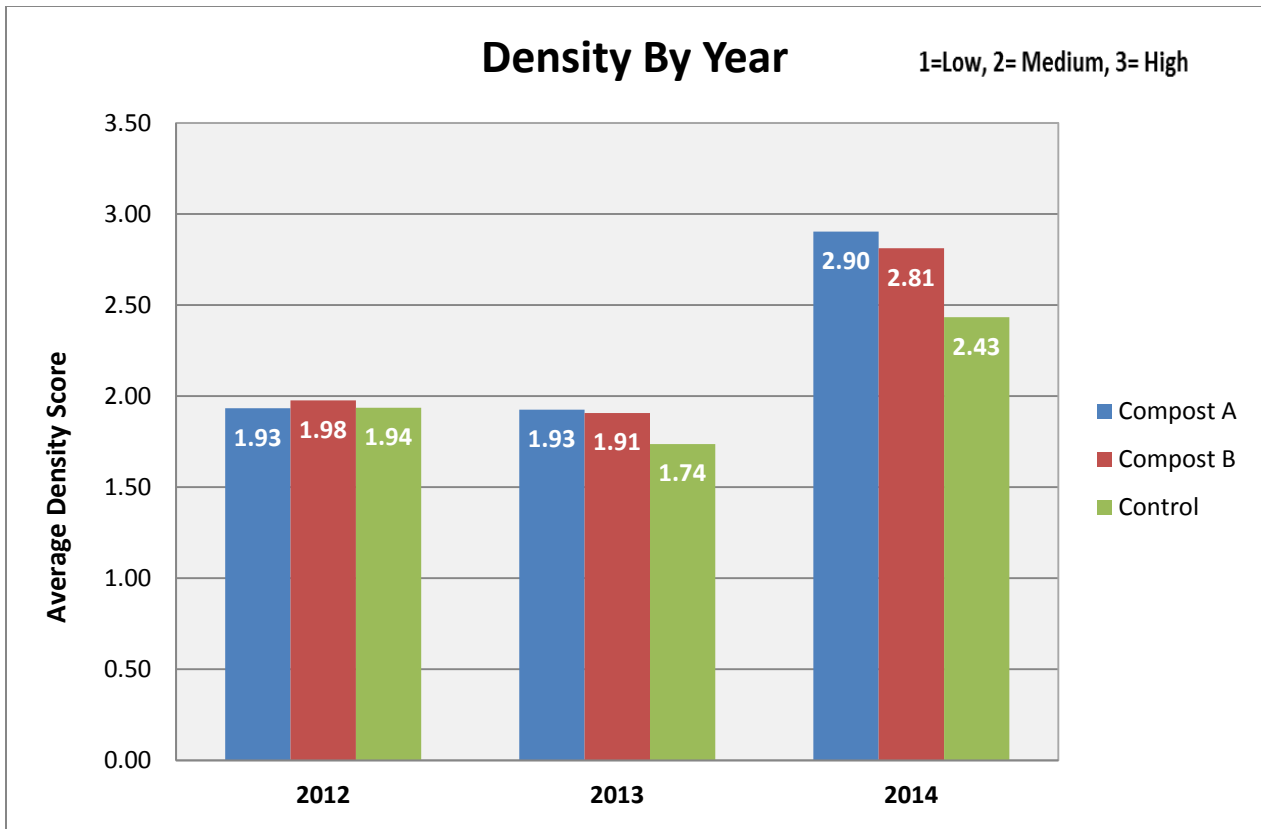


Figure 4. Average density score, on a scale of thickness from 1 to 3. 1: Low, 2: Medium, 3: High.

Table 4. Summary of select treatment results comparing compost types and control for 2012. Color was rated on a scale from 1 to 3: light, medium, dark. Density was rated on a scale from 1 to 3: low, medium, high.

2012					
Treatment	Block	Shoot Length (inches)	Bud Count	Color	Density
Compost A	IA	7.00	1.00	1.61	1.92
	IIA	6.21	1.00	1.52	1.92
	IIIA	9.28	1.00	1.96	1.96
	Average	7.50	1.00	1.70	1.93
Compost B	IA	6.51	1.00	1.66	1.96
	IIA	6.97	1.00	1.55	2.00
	IIIA	8.35	1.00	1.85	1.97
	Average	7.28	1.00	1.69	1.98
Control	IA	6.91	1.00	1.61	1.91
	IIA	6.34	1.00	1.36	1.92
	IIIA	9.15	1.00	1.89	1.98
	Average	7.47	1.00	1.62	1.94

Table 5. Summary of select treatment results comparing compost types and control for 2013. Color was rated on a scale from 1 to 3: light, medium, dark. Density was rated on a scale from 1 to 3: low, medium, high.

2013					
<i>Treatment</i>	<i>Block</i>	Shoot Length (inches)	Bud Count	Color	Density
Compost A	IA	9.46	2.56	2.39	2.02
	IIA	10.27	2.66	2.91	1.59
	IIIA	11.15	2.88	2.79	2.00
	Average	10.29	2.70	2.68	1.93
Compost B	IA	9.99	2.69	2.55	1.81
	IIA	9.52	2.42	2.76	1.69
	IIIA	11.38	2.94	2.94	2.23
	Average	10.30	2.67	2.75	1.91
Control	IA	8.52	2.18	2.23	1.43
	IIA	7.62	1.90	2.53	2.00
	IIIA	10.23	2.30	2.29	1.74
	Average	8.76	2.08	2.31	1.74

Table 6. Summary of select treatment results comparing compost types and control for 2014. Color was rated on a scale from 1 to 3: light, medium, dark. Density was rated on a scale from 1 to 3: low, medium, high. Number dead does not include any dead trees that were determined to be dead on arrival (DOA).

2014						
<i>Treatment</i>	<i>Block</i>	Shoot Length (inches)	Bud Count	Color	Density	# Dead
Compost A	IA	9.91	2.55	2.82	2.93	5
	IIA	9.71	2.42	2.56	2.80	4
	IIIA	12.83	2.80	2.97	2.98	1
	Average	10.82	2.59	2.78	2.90	3.33
Compost B	IA	9.56	2.52	2.67	2.78	5
	IIA	8.95	2.20	2.36	2.67	1
	IIIA	12.96	2.89	2.90	2.98	2
	Average	10.49	2.54	2.64	2.81	2.67
Control	IA	9.55	2.45	2.28	2.27	6
	IIA	7.93	1.68	1.64	2.11	2
	IIIA	11.68	2.44	2.52	2.92	1
	Average	9.72	2.19	2.15	2.43	3.00