

Pollution Removal by Individual Trees

Location: Springfield, Hampden, Massachusetts, United States of America

Project: Springfield Squares, Series: Parks, Year: 2018

Generated: 4/8/2019



Tree ID	Species Name	Pollution Removed (oz/yr)					Removal Value (\$/yr)					Comments
		CO	O3	NO2	SO2	PM2.5	CO	O3	NO2	SO2	PM2.5	
1	Callery pear	0.1	6.4	1.2	0.3	0.2	0.00	0.96	0.03	0.00	0.94	
2	Callery pear	0.1	6.2	1.2	0.3	0.2	0.00	0.93	0.03	0.00	0.91	
3	Callery pear	0.1	6.2	1.2	0.3	0.2	0.00	0.93	0.03	0.00	0.91	
4	Callery pear	0.1	4.1	0.8	0.2	0.1	0.00	0.61	0.02	0.00	0.60	
5	Callery pear	0.1	4.4	0.9	0.2	0.1	0.00	0.66	0.02	0.00	0.65	
6	Callery pear	0.1	6.2	1.2	0.3	0.2	0.00	0.93	0.03	0.00	0.91	
7	Callery pear	0.1	5.8	1.1	0.2	0.2	0.00	0.87	0.03	0.00	0.85	
8	Callery pear	0.1	6.5	1.3	0.3	0.2	0.00	0.98	0.03	0.00	0.96	
9	Red maple	0.2	9.3	1.8	0.4	0.3	0.01	1.40	0.04	0.00	1.37	
10	Red maple	0.1	6.2	1.2	0.3	0.2	0.00	0.92	0.03	0.00	0.90	
11	Red maple	0.1	5.3	1.0	0.2	0.2	0.00	0.79	0.02	0.00	0.77	
12	Red maple	0.1	7.7	1.5	0.3	0.2	0.01	1.16	0.03	0.00	1.13	
13	Callery pear	0.1	3.7	0.7	0.2	0.1	0.00	0.56	0.02	0.00	0.55	
14	Callery pear	0.1	4.1	0.8	0.2	0.1	0.00	0.61	0.02	0.00	0.60	
15	Red maple	0.1	8.8	1.7	0.4	0.3	0.01	1.32	0.04	0.00	1.29	
16	Red maple	0.1	8.4	1.6	0.3	0.2	0.01	1.27	0.04	0.00	1.24	
17	Honeylocust	0.0	2.1	0.4	0.1	0.1	0.00	0.31	0.01	0.00	0.30	
18	Honeylocust	0.0	2.3	0.5	0.1	0.1	0.00	0.35	0.01	0.00	0.34	
19	Honeylocust	0.0	2.2	0.4	0.1	0.1	0.00	0.33	0.01	0.00	0.32	
20	Littleleaf linden	0.0	2.3	0.5	0.1	0.1	0.00	0.35	0.01	0.00	0.34	
21	Littleleaf linden	0.0	2.3	0.5	0.1	0.1	0.00	0.35	0.01	0.00	0.34	
22	Honeylocust	0.0	2.3	0.5	0.1	0.1	0.00	0.35	0.01	0.00	0.34	
23	Kwanzan cherry	0.1	4.1	0.8	0.2	0.1	0.00	0.61	0.02	0.00	0.60	
24	Littleleaf linden	0.0	2.1	0.4	0.1	0.1	0.00	0.31	0.01	0.00	0.30	
25	Littleleaf linden	0.1	6.2	1.2	0.3	0.2	0.00	0.93	0.03	0.00	0.91	
26	Norway maple	0.1	7.9	1.5	0.3	0.2	0.01	1.19	0.03	0.00	1.16	
27	crabapple	0.1	4.1	0.8	0.2	0.1	0.00	0.61	0.02	0.00	0.59	
28	crabapple	0.1	4.7	0.9	0.2	0.1	0.00	0.70	0.02	0.00	0.69	
29	Norway maple	0.2	9.1	1.8	0.4	0.3	0.01	1.37	0.04	0.00	1.34	
30	Sweetgum	0.2	10.3	2.0	0.4	0.3	0.01	1.55	0.05	0.00	1.52	
31	Kwanzan cherry	0.1	6.9	1.3	0.3	0.2	0.01	1.03	0.03	0.00	1.01	
32	crabapple	0.1	4.3	0.8	0.2	0.1	0.00	0.64	0.02	0.00	0.63	
33	crabapple	0.1	5.1	1.0	0.2	0.1	0.00	0.77	0.02	0.00	0.75	
34	Norway maple	0.3	16.3	3.2	0.7	0.5	0.01	2.45	0.07	0.00	2.40	
35	Northern red oak	0.4	21.5	4.2	0.9	0.6	0.02	3.22	0.09	0.01	3.15	
36	Northern red oak	0.6	32.3	6.3	1.3	0.9	0.02	4.86	0.14	0.01	4.75	
37	Northern red oak	0.6	38.1	7.4	1.6	1.1	0.03	5.72	0.17	0.01	5.59	
38	Northern red oak	0.2	12.3	2.4	0.5	0.4	0.01	1.85	0.05	0.00	1.80	
39	Northern red oak	0.6	33.9	6.6	1.4	1.0	0.02	5.09	0.15	0.01	4.97	
40	Northern red oak	0.5	30.0	5.8	1.2	0.9	0.02	4.51	0.13	0.01	4.41	
41	Northern red oak	0.5	29.1	5.7	1.2	0.8	0.02	4.37	0.13	0.01	4.27	
42	Northern red oak	0.4	25.3	4.9	1.0	0.7	0.02	3.80	0.11	0.01	3.72	
43	Littleleaf linden	0.2	11.5	2.2	0.5	0.3	0.01	1.73	0.05	0.00	1.69	
44	crabapple	0.1	3.0	0.6	0.1	0.1	0.00	0.46	0.01	0.00	0.45	
Total		7.3	430.9	83.8	17.8	12.6	0.32	64.74	1.90	0.11	63.29	

Pollution removal value is calculated based on the prices of \$0.04312 per oz (CO), \$0.15024 per oz (O3), \$0.02269 per oz (NO2), \$0.00604 per oz (SO2), \$5.03614 per oz (PM2.5).

A value of zero may indicate that ancillary data (pollution, weather, energy, etc.) may not available for this location or that the reported amounts are too small to be shown.