Benefits Summary of Trees by Species

Location: Claremont, Los Angeles, California, United States of America
Project: Claraboya Pine trees, Series: Nov 24th 2025, Year: 2025
Generated: 11/24/2025

Species	Trees Number	Carbon Storage (ton)	Carbon Storage ($)	Gross Carbon Sequestration (ton/yr)	Gross Carbon Sequestration ($/yr)	Avoided Runoff (gal/yr)	Avoided Runoff ($/yr)	Pollution Removal (ton/yr)	Pollution Removal ($/yr)	Replacement Value ($)
Pinus canariensis	187	256.81	111,129.66	4.62	1,999.21	45,759.84	408.91	0.22	1,294.60	2,578,048.20
Pinus halepensis	12	2.25	974.09	0.10	41.74	894.75	8.00	0.00	25.31	43,821.14
Pinus pinea	1	1.44	623.56	0.03	14.52	260.55	2.33	0.00	7.37	18,000.03
Pinus thunbergii	2	0.25	106.58	0.01	4.63	84.62	0.76	0.00	2.39	6,188.11
Pinus torreyana	5	6.36	2,750.47	0.19	83.11	1,178.19	10.53	0.01	33.33	83,573.63
Total	**207**	**267.11**	**115,584.37**	**4.95**	**2,143.21**	**48,177.95**	**430.52**	**0.24**	**1,363.01**	**2,729,631.10**

Carbon storage and gross carbon sequestration value is calculated based on the price of $432.73 per ton.

Due to limits of available models, i-Tree Eco will limit carbon storage to a maximum of 7,500 kg (16,534.7 lbs) and not estimate additional storage for any tree beyond a diameter of 254 cm (100 in). Whichever limit results in lower carbon storage is used.

Avoided runoff value is calculated by the price $0.009/gal. The user-designated weather station reported 21.9 inches of total annual precipitation. Eco will always use the hourly measurements that have the greatest total rainfall or user-submitted rainfall if provided.

Pollution removal value is calculated based on the prices of $1,621.57 per ton (CO), $2,722.60 per ton (O3), $380.17 per ton (NO2), $106.24 per ton (SO2), $181,352.53 per ton (PM2.5), $7,622.60 per ton (PM10*).

Replacement value is the estimated local cost of having to replace a tree with a similar tree.

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