

Palm Tree Heights & Trunk Diameters

U.S. Sun Belt Species Analysis

This document summarizes typical height and trunk diameter ranges of common palm tree species in the U.S. Sun Belt (Florida, California, Texas, Arizona), categorized by approximate age.

Species	Scientific Name	Age (Years)	Height (ft)	Diameter (inches)	Growth Rate	Notes
Mexican Fan Palm	Washingtonia robusta	5	10-20	4-8	Fast	Common CA/AZ
		10	30-50	8-12		
		20+	70-100	12-18		Tall slender
California Fan Palm	Washingtonia filifera	5	8-15	6-10	Moderate	Native SW
		15	30-50	12-20		
		30+	50-70	20-30		Thick trunk
Queen Palm	Syagrus romanzoffiana	5	10-15	6-10	Fast	Florida
		15	30-40	10-15		
		25+	40-50	12-18		
Coconut Palm	Cocos nucifera	5	10-20	6-10	Moderate	Coastal FL
		15	30-60	10-16		
		30+	60-100	12-20		
Date Palm	Phoenix spp.	5	8-15	8-12	Slow-Mod	Thick trunk

		20	30-50	18-30		
		40+	50-80	24-36		
Sabal Palm	Sabal palmetto	5	6-12	6-10	Slow	FL native
		20	20-30	10-16		
		50+	40-60	12-24		

Age (Years)	Height Range (ft)	Diameter Range (inches)	Comments
0-5	3-20	2-8	Establishment phase
5-10	10-40	6-12	Rapid growth
10-20	25-70	10-20	Maturing
20-40	40-100	12-30	Full size
40+	50-100+	15-36+	Max range