**Ptychosperma macarthurii**
**Macarthur Palm**

Edward F. Gilman and Dennis G. Watson

**INTRODUCTION**

This attractive small palm is noted for its multiple, slim, ringed grey trunks which are topped with soft green, feathery, flat, broad leaves with tips that appear jagged and torn (Fig. 1). Although able to reach 30 feet in height, Macarthur Palm is most often seen 10 to 15 feet in height with a variable spread. The two-foot-long, branched flower stalks hang below the crowsnshaft throughout the year and contain small, white blooms. These blooms give way to bright red, showy sprays of half-inch-long fruits which ripen year-round.

**GENERAL INFORMATION**

**Scientific name:** Ptychosperma macarthurii  
**Pronunciation:** tye-koe-SPER-muh  
**Common name(s):** Macarthur Palm  
**Family:** Arecaceae  
**USDA hardiness zones:** 10B through 11 (Fig. 2)  
**Origin:** not native to North America  
**Uses:** container or above-ground planter; suitable for growing indoors; near a deck or patio; specimen; no proven urban tolerance  
**Availability:** generally available in many areas within its hardiness range

**DESCRIPTION**

**Height:** 15 to 25 feet  
**Spread:** 6 to 10 feet  
**Crown uniformity:** irregular outline or silhouette  
**Crown shape:** palm; upright

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Figure 2. Shaded area represents potential planting range.

Foliage

Leaf arrangement: spiral (Fig. 3)
Leaf type: odd pinnately compound
Leaflet margin: entire; incised
Leaflet shape: linear; oblong; obovate
Leaflet venation: parallel
Leaf type and persistence: evergreen
Leaflet blade length: 8 to 12 inches
Leaf color: green
Fall color: no fall color change
Fall characteristic: not showy

Fruit characteristics: does not attract wildlife; no significant litter problem; persistent on the tree; showy

Flower

Flower color: white
Flower characteristics: fall flowering; pleasant fragrance; inconspicuous and not showy; summer flowering

Trunk and Branches

Trunk/bark/branches: routinely grown with, or trainable to be grown with, multiple trunks; grow mostly upright and will not droop; showy trunk; no thorns
Pruning requirement: needs little pruning to develop a strong structure
Breakage: resistant
Crown shaft: yes

Culture

Light requirement: tree grows in part shade/part sun; tree grows in the shade; tree grows in full sun
Soil tolerances: clay; loam; sand; slightly alkaline; acidic; well-drained
Drought tolerance: high
Aerosol salt tolerance: low
Soil salt tolerance: poor

Fruit

Fruit shape: oval; round
Fruit length: .5 to 1 inch
Fruit covering: fleshy
Fruit color: red
Macarthur Palm prefers partial shade but will tolerate full sun or dense shade on any well-drained soil. Abundant moisture will allow it to look its best because it will keep more leaves.

Propagation is by seed.

**Pests and Diseases**

No pests or diseases are of major concern. This palm is lethal yellowing-resistant. Sooty mold sometimes coats the trunk.

**USE AND MANAGEMENT**

Macarthur Palm is often used in planters or urns but quickly outgrows these containers. It makes a striking lighted nighttime specimen, and is ideal for accenting shaded, sheltered locations, such as entranceways and patios. It is often planted in groups with individual trees several feet apart.

**Other**

**Roots:** surface roots are usually not a problem  
**Winter interest:** no special winter interest  
**Outstanding tree:** not particularly outstanding  
**Invasive potential:** little, if any, potential at this time  
**Verticillium wilt susceptibility:** not known to be susceptible  
**Pest resistance:** long-term health usually not affected by pests