







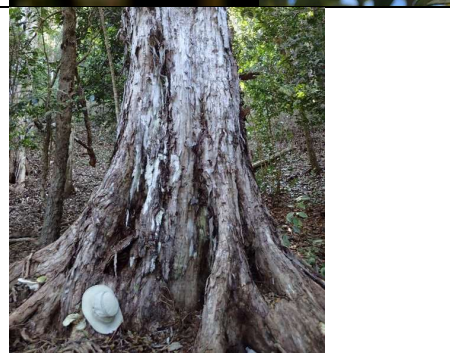















Character	<i>Met. pol. glaberrima</i> Photos: Joel Lau, Adam Williams, Marian Chau		<i>Met. pol. macrophylla</i> Photos: Forest & Kim Starr & Hank Oppenheimer	
Stature	shrubs to tall trees		small to tall trees	
Leaf shape	ovate or obovate to elliptic		broadly ovate, large	
Lower leaf surface	glabrous		glabrous	
Petiole length	petiolate		petiolate	
Leaf apex (tip)	rounded to acute		rounded to obtuse	
Leaf base	rounded or cordate to cuneate		rounded or truncate	
Leaf margin	flat, rarely revolute		flat	
Inflorescence	pubescent (Rock described it as glabrous)		pubescent	
Bark characteristics	bark rough or separating in thin strips		bark separating in thin strips	
Elevation	middle to high		middle	
Island distribution	Kaua'i, O'ahu, Moloka'i, Lana'i, Maui, Hawai'i		Hawai'i, Maui	
Other characteristics	NOTE: var. <i>glaberrima</i> and var. <i>incana</i> are known to form hybrids. These can be distinguished by the presence of very light pubescence on the lower leaf surface that can easily be removed by rubbing.			

Character	<i>M. pol. newellii</i> Photos: Jennifer Johansen & Tim Kroessig		<i>M. pol. nuda</i>	Photos: Jim Jacobi		
Stature	shrubs to small trees		shrubs to small trees			
Leaf shape	elliptic		ovate to suborbicular			
Lower leaf surface	glabrous		glabrous			
Petiole length	petiolate		sessile			
Leaf apex (tip)	obtuse to acute		rounded to retuse			
Leaf base	cuneate		cordate			
Leaf margin	flat		revolute to rolled			
Inflorescence	pubescent			glabrous		
Bark characteristics	bark unknown			bark rough?		
Elevation	low to middle, along streams				high	
Island distribution	Hawai'i				Hawai'i	
Other characteristics	grows only along stream banks; leaves dark grey-green in color				This variety is not recognized by Wagner et al 2005 - they lumped it with var. <i>glaberrima</i> . However, I consider it to be very recognizable in the field based on its glabrous leaves and inflorescences, and is only found at high elevations on the upper southeast and southwest slopes of Mauna Loa.	

Character	<i>Met. pol. incana</i>	Photos: Scott Heinzman, Marian Chau & Hank Oppenheimer	<i>Met. pol. polymorpha</i>	Photos: Joel Lau
<b>Stature</b>	shrubs to tall trees		shrubs to small trees	
<b>Leaf shape</b>	ovate to suborbicular		ovate to suborbicular	
<b>Lower leaf surface</b>	appressed pubescent		densely woolly or appressed pubescent	
<b>Petiole length</b>	subsessile to petiolate		subsessile	
<b>Leaf apex (tip)</b>	rounded or retuse		rounded to retuse	
<b>Leaf base</b>	rounded to cuneate		cordate	
<b>Leaf margin</b>	flat		revolute to rolled	
<b>Inflorescence</b>	pubescent			pubescent
<b>Bark characteristics</b>	bark rough		bark rough	
<b>Elevation</b>	low to middle		middle to high	
<b>Island distribution</b>	O'ahu, Moloka'i, Lana'i, Maui, Hawai'i, Kaua'i		O'ahu, Moloka'i, Lana'i, Maui, Hawai'i	
<b>Other characteristics</b>	NOTE: var. glaberrima and var. incana are known to form hybrids. These can be distinguished by the presence of very light pubescence on the lower leaf surface that can easily be removed by rubbing.			