


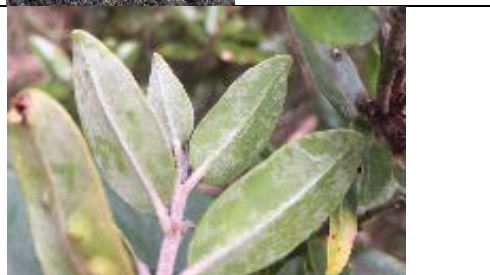



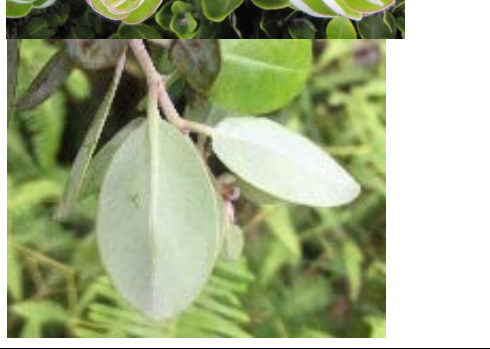


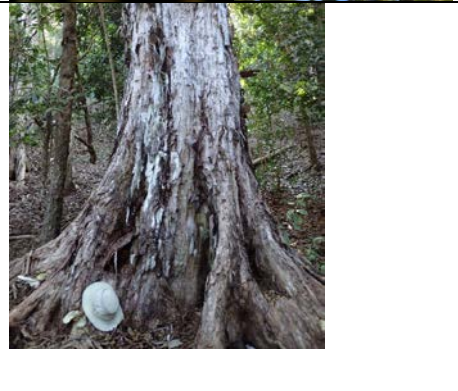










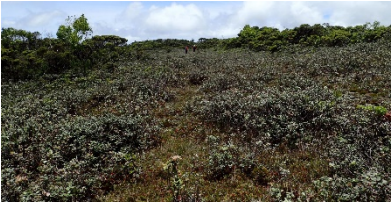









Character	<i>M.pol. glaberrima</i> Photos: Joel Lau, Marian Chau & Adam Williams	<i>Met. pol. incana</i> Photos: Scott Heinzman, Marian Chau & Hank Oppenheimer
Stature	shrubs to tall trees 	shrubs to tall trees 
Leaf shape	ovate or obovate to elliptic 	ovate to suborbicular 
Lower leaf surface	glabrous	appressed pubescent
Petiole length	petiolate 	subsessile to petiolate 
Leaf apex (tip)	rounded to acute	rounded or retuse
Leaf base	rounded or cordate to cuneate	rounded to cuneate
Leaf margin	flat, rarely revolute 	flat 
Inflorescence	pubescent (Rock described it as glabrous) 	pubescent 
Bark characteristics	bark rough or separating in thin strips 	bark rough
Elevation	middle to high	low to middle
Island distribution	Kaua'i, O'ahu, Moloka'i, Lana'i, Maui, Hawai'i	O'ahu, Moloka'i, Lana'i, Maui, Hawai'i, Kaua'i
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. 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. polymorpha macrophylla</i> Photos: Forest & Kim Starr and Hank Oppenheimer	
Stature	small to tall trees	 <p data-bbox="1300 541 1539 569">Forest & Kim Starr</p>
Leaf shape	broadly ovate, large	 <p data-bbox="1081 997 1320 1024">Forest & Kim Starr</p>
Lower leaf surface	glabrous	
Petiole length	petiolate	
Leaf apex (tip)	rounded to obtuse	
Leaf base	rounded or truncate	
Leaf margin	flat	 <p data-bbox="1239 1638 1490 1665">Hank Oppenheimer</p>
Inflorescence	pubescent	
Bark characteristics	bark separating in thin strips	
Elevation	middle	
Island distribution	Hawai'i, Maui	
Other characteristics	very similar to var. glaberrima except for leaf size and bark	

Character	<i>M. polymorpha polymorpha</i>	Photos: Joel Lau	<i>M. pol. pseudorugosa</i>	Photos: Hank Oppenheimer
Stature	shrubs to small trees		prostrate shrubs	
Leaf shape	ovate to suborbicular		small, broadly ovate to suborbicular	
Lower leaf surface	densely woolly or appressed pubescent		densely woolly	
Petiole length	subsessile		?	
Leaf apex (tip)	rounded to retuse		rounded	
Leaf base	cordate		rounded to cordate	
Leaf margin	revolute to rolled		revolute	
Inflorescence	pubescent		?	
Bark characteristics	bark rough		unknown	
Elevation	middle to high		high elevation bogs	
Island distribution	O'ahu, Moloka'i, Lana'i, Maui, Hawai'i		West Maui	
Other characteristics			growing in higher elevation bogs on West Maui	

Character	<i>Met. pol. pumila</i> Photos: Adam Williams, M. Chau	<i>Met. waialeale faurei</i> Photos: H. Oppenheimer, M. Chau
Stature	shrubs 	shrubs to small trees 
Leaf shape	broadly ovate to orbicular 	Ovate to lanceolate or broadly ovate. Buds narrow, pointed, spatulate scales. Narrow bracts (3mm long x 1mm wide) 
Lower leaf surface	glabrous or lower surface wooly or appressed tomentum 	glabrous 
Petiole length	petiolate	petiolate and slender
Leaf apex (tip)	rounded to obtuse	acute
Leaf base	obtuse to cordate	Cuneate to rounded
Leaf margin	slightly revolute	flat
Inflorescence	pubescent 	glabrous or appressed short-pubescent 
Bark characteristics	separating in thin flakes	Fissured, flaky.
Elevation	middle to high	High (600-1300m)
Island distribution	Kaua'i, Moloka'i, Maui, O'ahu	Maui, Moloka'i, Lana'i
Other characteristics	growing in middle to higher elevation bogs on Kaua'i, Moloka'i, O'ahu, and Maui	Narrow bracts that fall off early (caducous)