

Aquilaria in Peninsular Malaysia

2/5/2015

Biological features of wild populations of *Aquilaria malaccensis* in Peninsular Malaysia

- moderate levels of genetic diversity in most populations studied;
- estimated 91.5% of the genetic diversity was distributed within populations;
- the species mast flowers and flowering is supra-annual.
- potential for selfing.

Resource in Peninsular Malaysia (2014)

Diameter (cm)	No of Trees	Basal Area (m ²)	Volume (m ³)
≥ 15	1,125,400	65,300	633,700
≥ 30	190,800	28,100	244,700
≥ 45	35,000	9,200	107,700

4 Species present in the Permanent Reserved Forests in Peninsular Malaysia in 2010-2013

- *Aquilaria malaccensis* - 90%
- *A. hirta*
- *A. microcarpa*
- *A. beccariana*

} 10%

Source: National Forest Inventory Five, 2014

Aquilaria Plantations in Malaysia (Peninsular Malaysia & Sabah)

- **National Legislation of Act 686 requires registration of Artificially Propagated Agarwood**
 - 53 companies/individual registered
 - 984 hectares registered (959,500 standing trees)
- **Agarwood Planting Material**
 - Seeding of *Aquilaria crassna*, *A. sub-integra* and *A. malaccensis*.
- **Type of Plantation**
 - Mono specific and intercrop.
- **Management of Agarwood Plantations**
 - Registration.
 - Site auditing by Technical Committee.
 - Renewal of Registration.
- **Potential of Agarwood Resources**
 - Nurseries.
 - Wilding.

WILD vs PLANTATION Recommendations

- **Preserve the wild and promote the plantation source;**
- **Propose to decrease the national quota from the wild;**
- **Create mechanisms to balance the wild and plantation production;**
- **Enhance resource monitoring; and**
- **Enhance trade monitoring.**

Thank you