

Shorea henryana

<i>Collecting partner</i>	Suomal Lait ASEAN Forest Tree Seed Centre Muak-Lek, Saraburi, Thailand 18180					
<i>Collection date</i>	11-17 April 2001					
<i>Seed source</i>	Khao Ang Ruenai Wildlife Sanctuary					
<i>Initial trials</i>						
<i>Fruit weight</i>	1,30±0,23 g					
<i>Seed (dewinged) weight</i>	1,00±0,19 g					
<i>Fruit width</i>	1,23±0,01 cm					
<i>Fruit length</i>	2,10±0,02 cm					
	Wing	Calyx	Pericarp	Cotyledon and seed coat	Embryonic axis	Storage tissue
<i>Mc (%)</i>	10,22±1,37	14,26±2,18	12,80±2,72	16,30±5,25	26,63±5,29	15,40±3,89
<i>Fresh weight (g)</i>	0,26±0,07	0,33±0,10	0,11±0,03	0,55±0,11	0,01±0,001	1,00±0,19
<i>Initial mc (%)</i>	18,62±3,25 (kept in plastic bags after collection)					
<i>Initial Germination (%)</i>	81,0±5,03					
<i>Initial mc (%)</i>	15,36±2,88 (kept in net bags after collection)					
<i>Initial Germination (%)</i>	75,0±10,0					
<i>Desiccation trial</i>						
<i>Desiccation medium</i>	Vermiculite	Silica gel	Ambient			
<i>Mc (%)</i>	19.25±0.70	8.92±0.16	13.52±0.48			
<i>Germination (%)</i>	87.00±6.00	78.00±7.65	88.00±7.30			
<i>Mc (%)</i>	18.97±0.68	6.54±0.58	11.56±0.21			
<i>Germination (%)</i>	81.00±5.45	74.00±5.16	80.00±5.65			
<i>Mc (%)</i>	20.11±0.76	6.32±0.07	11.96±0.16			
<i>Germination (%)</i>	47.00±9.45	59.00±8.24	77.00±5.03			
<i>Mc (%)</i>	19.23±0.83	5.93±0.15	11.58±0.26			
<i>Germination (%)</i>	28.00±4.61	70.00±8.32	80.00±3.26			
<i>Mc (%)</i>	19.89±0.32	5.73±0.23	12.24±0.67			
<i>Germination (%)</i>	33.00±8.86	77.00±1.94	76.00±3.26			
<i>Mc (%)</i>	19.90±0.76	5.48±0.24	12.6±0.11			
<i>Germination (%)</i>	45.00±6.00	74.00±9.52	72.00±3.82			
<i>Mc (%)</i>	19.53±0.47	6.03±0.16	12.73±0.79			
<i>Germination (%)</i>	27.00±12.38	66.00±0.15	77.00±3.82			
<i>Mc (%)</i>	19.8±0.23	6.08±0.15	11.87±0.14			
<i>Germination (%)</i>	31.00±6.83	74.00±12.44	73.00±6.83			
<i>Comments and conclusions</i>	The seeds are desiccation tolerant and retained high viability at a moisture content of 6%. The high ability to desiccation tolerance of this species is different from <i>shorea roxburghii</i> and <i>shorea siamensis</i> which are very sensitive to desiccation. The cotyledons may play a major role. In this species the cotyledons are white and the moisture content low when seeds are fully mature (only 18 % when the seeds were collected). These results suggest that this species may be able to store for long periods of time.					