

***Gmelina arborea***

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<i>Collection date</i>	May 4 <sup>th</sup> 2001									
<i>Seed source</i>	Village Kusumi, District Durg									
<b><i>Initial trials</i></b>										
<i>Fruit weight</i>	9,76 ± 2,52 g									
<i>Seed weight</i>	0,97 ± 0,17 g									
	Whole fruit	Endocarp	Seed*	Cotyledons	Axis	Seed coat				
<i>Mc (%)</i>	75,03 ± 1,0	27,87 ± 1,29	24,45 ± 1,82	18,48 ± 2,97	28,79 ± 0,81	11,77 ± 1,67				
<i>Mc before processing (%)</i>	27,82 ± 1,76									
<i>Mc after processing (%)</i>	26,7 ± 2,33									
<i>Initial germination (%)</i>	60									
<b><i>Desiccation trial</i></b>										
<i>Mc after desiccation (%)</i>	23,02 ± 0,53	17,02 ± 0,78	11,86 ± 1,25	8,12 ± 0,2	6,29 ± 0,39	4,31 ± 0,08	4,14 ± 0,39	3,42 ± 0,14	2,68 ± 0,32	
<i>Germination (%)</i>	<b>65</b>	<b>72</b>	<b>86</b>	<b>90</b>	<b>96</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>96</b>	
<b><i>Comments and conclusions</i></b>	The seeds of <i>Gmelina arborea</i> tolerant to desiccation even down to very low levels. The increase in germination that follows desiccation is being investigated. Storage trial ongoing.									

\* only here is *seed* the actual seed, in all other places *seed* refers to the pyrene (seed + stony endocarp)