

# **Renewable Houses**




South Africa






25 November 2019

## Appendix: List of Clumping (Sympodial) Bamboo Species

Suitable for KZN and areas with above 500ml rainfall.

Bamboo Botanical Name	Description	Picture
Bambusa Balcooa	<p>20-25m ht, 70-150mm diam. culm</p> <p>Naturalized species in South Africa, originally from India. Bambusa Balcooa is a drought-resistant species which can survive in widespread areas of KZN and neighbouring provinces. Shoots are edible and mature culms are usable for construction / craft.</p> <p>Single culm area 20sqm</p>	
Beema Bamboo (Bambusa Balcooa Roxb)	<p>12-20m ht, 50-120mm diam. culm</p> <p>Selectively propagated Bambusa Balcooa species developed by Dr. N. Barathi from Growmore Biotech. Beema bamboo culms grow almost solid and plantations are often cultivated for bio energy projects.</p> <p>Single culm area 16sqm</p>	
Bambusa Tuldooides	<p>7-15m ht, 50mm diam. culm</p> <p>Commonly known as "Punting Pole Bamboo", it native to southern China and Vietnam. As the name suggests the bamboo is small enough to be handled pushing a boat. This is the ideal size for purlins and small structural members in construction. Edible shoots and culm cortex shavings are used in Chinese medicine for febrile diseases, haematuria, epistaxis and infantile epilepsy.</p> <p>Single culm area 12sqm</p>	

<p>Bambusa Multiplex</p>	<p>3 to 5m ht, 2 to 2-20mm diam. culm</p> <p>Smaller scale bamboo commonly used as an evergreen hedge. This particular bamboo produces culms that are the size of a straw and is able to produce many shoots every year. The bigger diameter culms may be used for craft (weaving).</p> <p>Single culm area 4sqm</p>	
<p>Dendrocalamus Asper</p>	<p>15-30m ht, 80-200mm diam. culm</p> <p>This is a giant bamboo species from northern Malaysia. This bamboo tends to grow straight and is suitable for heavy duty construction. The culms have thick walls which can be turned into many products. Shoots from this bamboo are sweet and consumed widely in the region of origin. With such diverse usage, this species is popular with commercial bamboo farmers across the world.</p> <p>Single culm area 25sqm</p>	
<p>Guadua Angustifolia</p>	<p>15-30m ht, 90-130mm diam. culm</p> <p>Giant open clumping bamboo from Columbia. World renowned construction bamboo species, this bamboo has officially been used by architects to create private / public buildings all over the world.</p> <p>Floor coverage 25sqm</p>	
<p>It is our aim to cultivate the above mentioned species in South Africa and put them through controlled laboratory testing to select the most appropriate species and methods suited for each context and application.</p>		