

Accession No. 141

IC No.: 410870

Scientific Name: *Terminalia tomentosa*

Common Name: Asan

Place of origin: Sundergarh (Orissa)

Year of Planting: July-Aug 2001



Anatomy and physiology

#	Parameter		#	Parameter	
1	Plant Nature	Erect	25	Moisture (%)	67.823
2	Bark Nature	Rough	26	MRC (%)	65.81
3	Bark Colour	Dark Grey	27	Stomata /mm ²	324.403
4	Phyllotaxy	Opposite	28	Stomata length (μm)	27.883
5	Leaf Nature	Homophyllous	29	Stomata width (μm)	17.6
6	Leaf Shape	Ovate	30	Stomata pore length (μm)	16.503
7	Leaf Apex	Acute	31	Stomata pore width (μm)	6.837
8	Leaf Margin	Sinuate	32	Cuticle thickness(μm)	9.767
9	Young Leaf Colour	Green	33	Upper epidermis thickness (μm)	16.153
10	Young Leaf midrib Colour	Green	34	Palisade thickness (μm)	159.413
11	Mature Leaf colour	Dark Green	35	Parenchyma thickness (μm)	154.277
12	Young Leaf Pubescence	Sparse	36	Lower epidermis thickness (μm)	14.563
13	Number of Glands	2	37	No. of chloroplasts	7
14	Position of Glands	Alternate	38	Total thickness(μm)	354.173
15	Leaf Length (cm)	22.403	39	Palisade: Parenchyma	1.033
16	Leaf Width (cm)	8.383	40	Chlorophyll a (mg/g)	1.307
17	Petiole Length (cm)	0.5	41	Chlorophyll b (mg/g)	1.106
18	Leaf Length: petiole length	44.807	42	Chlorophyll a/b	1.186
19	Leaf Weight	4.097	43	total Chlorophyll (mg/g)	2.364
20	Petiole Weight	0.103	44	Phenol (μg/mg)	1.741
21	Leaf weight: Petiole Weight	39.681	45	Reducing sugar (μg/mg)	3.817
22	Lamina weight (gm)	3.993	46	Non-reducing sugar (μg/mg)	8.317
23	Laminar Index (%)	97.478	47	Proline (μg/g)	39.067
24	Internodal Distance(cm)	3.48	48	Protein (mg/g)	35.26