

Accession No. 120

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 (%)	68.21
2	Bark Nature	Rough	26	MRC (%)	66.32
3	Bark Colour	Brown	27	Stomata /mm ²	169.9
4	Phyllotaxy	Opposite	28	Stomata length (μm)	24.7
5	Leaf Nature	Homophyllous	29	Stomata width (μm)	16.167
6	Leaf Shape	Elliptical	30	Stomata pore length (μm)	13.547
7	Leaf Apex	Mucronate	31	Stomata pore width (μm)	6.203
8	Leaf Margin	Entire	32	Cuticle thickness(μm)	10.567
9	Young Leaf Colour	Light Copper Red	33	Upper epidermis thickness (μm)	16.167
10	Young Leaf midrib Colour	Green	34	Palisade thickness (μm)	160.28
11	Mature Leaf colour	Dark Green	35	Parenchyma thickness (μm)	137.687
12	Young Leaf Pubescence	Dense	36	Lower epidermis thickness (μm)	20.173
13	Number of Glands	2	37	No. of chloroplasts	9.667
14	Position of Glands	Opposite	38	Total thickness(μm)	344.873
15	Leaf Length (cm)	12.75	39	Palisade: Parenchyma	1.164
16	Leaf Width (cm)	6.25	40	Chlorophyll a (mg/g)	1.142
17	Petiole Length (cm)	0.7	41	Chlorophyll b (mg/g)	1.303
18	Leaf Length: petiole length	18.214	42	Chlorophyll a/b	0.88
19	Leaf Weight	4.527	43	total Chlorophyll (mg/g)	2.636
20	Petiole Weight	0.109	44	Phenol (μg/mg)	2.117
21	Leaf weight: Petiole Weight	41.556	45	Reducing sugar (μg/mg)	4.06
22	Lamina weight (gm)	4.418	46	Non-reducing sugar (μg/mg)	8.567
23	Laminar Index (%)	97.592	47	Proline (μg/g)	20.627
24	Internodal Distance(cm)	3.253	48	Protein (mg/g)	24.083