

Accession No. 121

Scientific Name: *Terminalia tomentosa*

Common Name: Asan

Place of origin: Nagri (Ranchi)

Year of Planting: July-Aug 2001



Anatomy and physiology

#	Parameter		#	Parameter	
1	Plant Nature	Erect	25	Moisture (%)	66.783
2	Bark Nature	Smooth	26	MRC (%)	65.687
3	Bark Colour	Light Grey	27	Stomata /mm ²	617.703
4	Phyllotaxy	Opposite	28	Stomata length (μm)	26.5
5	Leaf Nature	Homophyllous	29	Stomata width (μm)	16.667
6	Leaf Shape	Elliptical	30	Stomata pore length (μm)	16.507
7	Leaf Apex	Mucronate	31	Stomata pore width (μm)	5.547
8	Leaf Margin	Serrate	32	Cuticle thickness(μm)	13.223
9	Young Leaf Colour	Light Copper Red	33	Upper epidermis thickness (μm)	12.977
10	Young Leaf midrib Colour	Green	34	Palisade thickness (μm)	124.543
11	Mature Leaf colour	Green	35	Parenchyma thickness (μm)	154.283
12	Young Leaf Pubescence	Dense	36	Lower epidermis thickness (μm)	14.567
13	Number of Glands	2	37	No. of chloroplasts	8
14	Position of Glands	Opposite	38	Total thickness(μm)	319.593
15	Leaf Length (cm)	10.967	39	Palisade: Parenchyma	0.807
16	Leaf Width (cm)	6.467	40	Chlorophyll a (mg/g)	1.947
17	Petiole Length (cm)	1.037	41	Chlorophyll b (mg/g)	0.537
18	Leaf Length: petiole length	10.579	42	Chlorophyll a/b	3.646
19	Leaf Weight	4.077	43	total Chlorophyll (mg/g)	2.63
20	Petiole Weight	0.096	44	Phenol (μg/mg)	1.113
21	Leaf weight: Petiole Weight	42.356	45	Reducing sugar (μg/mg)	13.783
22	Lamina weight (gm)	3.98	46	Non-reducing sugar (μg/mg)	11.05
23	Laminar Index (%)	97.637	47	Proline (μg/g)	12.53
24	Internodal Distance(cm)	2.207	48	Protein (mg/g)	10.49