

Accession No. 128

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 (%)	62.653
2	Bark Nature	Rough	26	MRC (%)	58.9
3	Bark Colour	Dark Grey	27	Stomata /mm ²	272.823
4	Phyllotaxy	Opposite	28	Stomata length (μm)	27.95
5	Leaf Nature	Homophyllous	29	Stomata width (μm)	15.633
6	Leaf Shape	Ovate	30	Stomata pore length (μm)	15.45
7	Leaf Apex	Acute	31	Stomata pore width (μm)	5.913
8	Leaf Margin	Serrate	32	Cuticle thickness(μm)	13.097
9	Young Leaf Colour	Light Green	33	Upper epidermis thickness (μm)	17.823
10	Young Leaf midrib Colour	Green	34	Palisade thickness (μm)	130.053
11	Mature Leaf colour	Green	35	Parenchyma thickness (μm)	170.97
12	Young Leaf Pubescence	Dense	36	Lower epidermis thickness (μm)	16.167
13	Number of Glands	2	37	No. of chloroplasts	9
14	Position of Glands	Alternate	38	Total thickness(μm)	288.083
15	Leaf Length (cm)	14.367	39	Palisade: Parenchyma	1.365
16	Leaf Width (cm)	6.933	40	Chlorophyll a (mg/g)	1.177
17	Petiole Length (cm)	0.567	41	Chlorophyll b (mg/g)	1.14
18	Leaf Length: petiole length	25.353	42	Chlorophyll a/b	1.038
19	Leaf Weight	5.693	43	total Chlorophyll (mg/g)	2.364
20	Petiole Weight	0.128	44	Phenol (μg/mg)	1.741
21	Leaf weight: Petiole Weight	45.65	45	Reducing sugar (μg/mg)	3.817
22	Lamina weight (gm)	5.565	46	Non-reducing sugar (μg/mg)	8.317
23	Laminar Index (%)	97.757	47	Proline (μg/g)	39.067
24	Internodal Distance(cm)	2.097	48	Protein (mg/g)	35.26