

Accession No. 520

IC No.: 560454

Scientific Name: *Terminalia tomentosa*

Common Name: Asan

Place of origin: Robertsganj, Sonbhadra, UttarPradesh

Year of Planting: June-2003



Anatomy and physiology

#	Parameter		#	Parameter	
1	Plant Nature	Spreading	25	Moisture (%)	68.67
2	Bark Nature	Rough	26	MRC (%)	66.83
3	Bark Colour	Dark Grey	27	Stomata /mm ²	453.487
4	Phyllotaxy	Opposite	28	Stomata length (μm)	27.2
5	Leaf Nature	Homophyllous	29	Stomata width (μm)	16.783
6	Leaf Shape	Oblique	30	Stomata pore length (μm)	16.383
7	Leaf Apex	Acute	31	Stomata pore width (μm)	5.14
8	Leaf Margin	Repand	32	Cuticle thickness(μm)	8.157
9	Young Leaf Colour	Light Copper Red	33	Upper epidermis thickness (μm)	27.993
10	Young Leaf midrib Colour	Green	34	Palisade thickness (μm)	138.54
11	Mature Leaf colour	Pale Green	35	Parenchyma thickness (μm)	154.953
12	Young Leaf Pubescence	Dense	36	Lower epidermis thickness (μm)	24.63
13	Number of Glands	2	37	No. of chloroplasts	6.667
14	Position of Glands	Alternate	38	Total thickness(μm)	299.497
15	Leaf Length (cm)	18.233	39	Palisade: Parenchyma	0.941
16	Leaf Width (cm)	9.433	40	Chlorophyll a (mg/g)	1.121
17	Petiole Length (cm)	0.65	41	Chlorophyll b (mg/g)	0.849
18	Leaf Length: petiole length	28.051	42	Chlorophyll a/b	1.321
19	Leaf Weight	4.973	43	total Chlorophyll (mg/g)	1.808
20	Petiole Weight	0.094	44	Phenol (μg/mg)	0.853
21	Leaf weight: Petiole Weight	52.987	45	Reducing sugar (μg/mg)	8.29
22	Lamina weight (gm)	4.879	46	Non-reducing sugar (μg/mg)	5.06
23	Laminar Index (%)	98.11	47	Proline (μg/g)	54.403
24	Internodal Distance(cm)	1.943	48	Protein (mg/g)	12.687