

Accession No. 418

IC No.: 410817

Scientific Name: *Terminalia tomentosa*

Common Name: Asan

Place of origin: Lohra, Chandrapur, Maharashtra

Year of Planting: August-2002



Anatomy and physiology

#	Parameter		#	Parameter	
1	Plant Nature	Erect	25	Moisture (%)	67.487
2	Bark Nature	Rough	26	MRC (%)	65.933
3	Bark Colour	Dark Grey	27	Stomata /mm ²	378.93
4	Phyllotaxy	Opposite	28	Stomata length (μm)	26.6
5	Leaf Nature	Homophyllous	29	Stomata width (μm)	15.367
6	Leaf Shape	Ovate	30	Stomata pore length (μm)	19.767
7	Leaf Apex	Acute	31	Stomata pore width (μm)	4.99
8	Leaf Margin	Crenate	32	Cuticle thickness(μm)	16.187
9	Young Leaf Colour	Green	33	Upper epidermis thickness (μm)	14.573
10	Young Leaf midrib Colour	Green	34	Palisade thickness (μm)	146.123
11	Mature Leaf colour	Dark Green	35	Parenchyma thickness (μm)	263.713
12	Young Leaf Pubescence	Moderate	36	Lower epidermis thickness (μm)	14.62
13	Number of Glands	2	37	No. of chloroplasts	7
14	Position of Glands	Alternate	38	Total thickness(μm)	455.217
15	Leaf Length (cm)	12.4	39	Palisade: Parenchyma	0.554
16	Leaf Width (cm)	6.993	40	Chlorophyll a (mg/g)	0.857
17	Petiole Length (cm)	0.423	41	Chlorophyll b (mg/g)	0.86
18	Leaf Length: petiole length	29.291	42	Chlorophyll a/b	0.997
19	Leaf Weight	2.077	43	total Chlorophyll (mg/g)	1.753
20	Petiole Weight	0.04	44	Phenol (μg/mg)	3.703
21	Leaf weight: Petiole Weight	51.949	45	Reducing sugar (μg/mg)	9.633
22	Lamina weight (gm)	2.037	46	Non-reducing sugar (μg/mg)	7.25
23	Laminar Index (%)	98.073	47	Proline (μg/g)	45.007
24	Internodal Distance(cm)	2.24	48	Protein (mg/g)	18.933