

Accession No. 106

IC No.: 560436

Scientific Name: *Terminalia arjuna*

Common Name: Arjun

Place of origin: Jhansi, UttarPradesh

Date of plantation: July-Aug 2001



Anatomy and physiology

#	Parameter		#	Parameter	
1	Plant Nature	Erect	25	Moisture (%)	68
2	Bark Nature	Rough	26	MRC (%)	67.17
3	Bark Colour	Light brown	27	Stomata /mm ²	347.26
4	Phyllotaxy	Opposite	28	Stomata length (μm)	26.6
5	Leaf Nature	Homophyllous	29	Stomata width (μm)	15.633
6	Leaf Shape	Ovate	30	Stomata pore length (μm)	17.5
7	Leaf Apex	Acute	31	Stomata pore width (μm)	4.913
8	Leaf Margin	Repand	32	Cuticle thickness(μm)	6.333
9	Young Leaf Colour	Light copper Red	33	Upper epidermis thickness (μm)	25.313
10	Young Leaf midrib Colour	Green	34	Palisade thickness (μm)	113.83
11	Mature Leaf colour	Pale Green	35	Parenchyma thickness (μm)	126.48
12	Young Leaf Pubescence	Dense	36	Lower epidermis thickness (μm)	12.627
13	Number of Glands	4	37	No. of chloroplasts	7.333
14	Position of Glands	Alternate	38	Total thickness(μm)	284.583
15	Leaf Length (cm)	14.75	39	Palisade: Parenchyma	0.9
16	Leaf Width (cm)	5.333	40	Chlorophyll a (mg/g)	1.31
17	Petiole Length (cm)	0.3	41	Chlorophyll b (mg/g)	1.157
18	Leaf Length: petiole length	49.167	42	Chlorophyll a/b	1.133
19	Leaf Weight	3.867	43	total Chlorophyll (mg/g)	2.473
20	Petiole Weight	0.084	44	Phenol (μg/mg)	2.36
21	Leaf weight: Petiole Weight	46.071	45	Reducing sugar (μg/mg)	3.41
22	Lamina weight (gm)	3.743	46	Non-reducing sugar (μg/mg)	11.45
23	Laminar Index (%)	96.811	47	Proline (μg/g)	14.45
24	Internodal Distance(cm)	2.143	48	Protein (mg/g)	29.847