

Accession No. 733

IC no: 560422

Scientific Name: *Terminalia arjuna*

Common Name: Arjun

Place of origin: Wakeshwar, Bhandara,
Maharashtra

Date of plantation: July-2004



Anatomy and physiology

#	Parameter		#	Parameter	
1	Plant Nature	Erect	25	Moisture (%)	65.157
2	Bark Nature	smooth	26	MRC (%)	62.75
3	Bark Colour	Grey	27	Stomata /mm ²	288.203
4	Phyllotaxy	Opposite	28	Stomata length (μm)	27.567
5	Leaf Nature	Homophyllous	29	Stomata width (μm)	16.3
6	Leaf Shape	Ovate	30	Stomata pore length (μm)	17.527
7	Leaf Apex	Acute	31	Stomata pore width (μm)	6.733
8	Leaf Margin	Serrulate	32	Cuticle thickness(μm)	14.523
9	Young Leaf Colour	Moderate Copper Red	33	Upper epidermis thickness (μm)	17.723
10	Young Leaf midrib Colour	Green	34	Palisade thickness (μm)	144.9
11	Mature Leaf colour	Dark Green	35	Parenchyma thickness (μm)	169.077
12	Young Leaf Pubescence	Moderate	36	Lower epidermis thickness (μm)	16.073
13	Number of Glands	2	37	No. of chloroplasts	7.666
14	Position of Glands	Alternate	38	Total thickness(μm)	384.793
15	Leaf Length (cm)	12.183	39	Palisade: Parenchyma	0.955
16	Leaf Width (cm)	4.3	40	Chlorophyll a (mg/g)	1.562
17	Petiole Length (cm)	0.433	41	Chlorophyll b (mg/g)	1.261
18	Leaf Length: petiole length	28.115	42	Chlorophyll a/b	1.239
19	Leaf Weight	4.503	43	total Chlorophyll (mg/g)	2.847
20	Petiole Weight	0.022	44	Phenol (μg/mg)	2.49
21	Leaf weight: Petiole Weight	211.011	45	Reducing sugar (μg/mg)	6.733
22	Lamina weight (gm)	4.482	46	Non-reducing sugar (μg/mg)	10.2
23	Laminar Index (%)	99.52	47	Proline (μg/g)	19.64
24	Internodal Distance(cm)	1.663	48	Protein (mg/g)	36.117