

Accession No. 122

IC No.: 560423

Scientific Name: *Terminalia arjuna*

Common Name: Arjun

Place of origin: Wakeshwar, Bhaandara,
Maharashtra

Date of plantation: July-Aug 2001



Anatomy and physiology

#	Parameter		#	Parameter	
1	Plant Nature	Erect	25	Moisture (%)	67.733
2	Bark Nature	Rough	26	MRC (%)	66.83
3	Bark Colour	DarkBrown	27	Stomata /mm ²	387.533
4	Phyllotaxy	Opposite	28	Stomata length (μm)	26.367
5	Leaf Nature	Homophyllous	29	Stomata width (μm)	15.467
6	Leaf Shape	Lanceolate	30	Stomata pore length (μm)	17.49
7	Leaf Apex	Acute	31	Stomata pore width (μm)	5.023
8	Leaf Margin	Serrulate	32	Cuticle thickness(μm)	12.567
9	Young Leaf Colour	Dark Copper Red	33	Upper epidermis thickness (μm)	25.333
10	Young Leaf midrib Colour	Red	34	Palisade thickness (μm)	126.487
11	Mature Leaf colour	Green	35	Parenchyma thickness (μm)	202.367
12	Young Leaf Pubescence	Moderate	36	Lower epidermis thickness (μm)	12.627
13	Number of Glands	2	37	No. of chloroplasts	7.666
14	Position of Glands	Alternate	38	Total thickness(μm)	379.383
15	Leaf Length (cm)	15.733	39	Palisade: Parenchyma	0.625
16	Leaf Width (cm)	5.467	40	Chlorophyll a (mg/g)	1.06
17	Petiole Length (cm)	0.767	41	Chlorophyll b (mg/g)	1.64
18	Leaf Length: petiole length	20.522	42	Chlorophyll a/b	0.646
19	Leaf Weight	3.87	43	total Chlorophyll (mg/g)	2.833
20	Petiole Weight	0.076	44	Phenol (μg/mg)	0.8
21	Leaf weight: Petiole Weight	50.717	45	Reducing sugar (μg/mg)	3.983
22	Lamina weight (gm)	3.794	46	Non-reducing sugar (μg/mg)	8.667
23	Laminar Index (%)	98.027	47	Proline (μg/g)	24.577
24	Internodal Distance(cm)	2.1	48	Protein (mg/g)	20.217