

Accession No. 505

IC No.: 410752

Scientific Name: *Terminalia arjuna*

Common Name: Arjun

Place of origin: Pundikunta, Warangal,
Andhra Pradesh

Date of plantation: June-2003



Anatomy and physiology

#	Parameter		#	Parameter	
1	Plant Nature	Spreading	25	Moisture (%)	68.273
2	Bark Nature	Rough	26	MRC (%)	65.713
3	Bark Colour	Grey	27	Stomata /mm ²	292.53
4	Phyllotaxy	Opposite	28	Stomata length (μm)	24.933
5	Leaf Nature	Homophyllous	29	Stomata width (μm)	15.333
6	Leaf Shape	Ovate	30	Stomata pore length (μm)	17.477
7	Leaf Apex	Acute	31	Stomata pore width (μm)	4.52
8	Leaf Margin	Repand	32	Cuticle thickness(μm)	20.083
9	Young Leaf Colour	Dark Copper Red	33	Upper epidermis thickness (μm)	24.173
10	Young Leaf midrib Colour	Red	34	Palisade thickness (μm)	152.943
11	Mature Leaf colour	Dark Green	35	Parenchyma thickness (μm)	193.177
12	Young Leaf Pubescence	Moderate	36	Lower epidermis thickness (μm)	30.567
13	Number of Glands	2	37	No. of chloroplasts	8
14	Position of Glands	Alternate	38	Total thickness(μm)	420.943
15	Leaf Length (cm)	14.383	39	Palisade: Parenchyma	0.792
16	Leaf Width (cm)	4.3	40	Chlorophyll a (mg/g)	1.112
17	Petiole Length (cm)	0.5	41	Chlorophyll b (mg/g)	0.857
18	Leaf Length: petiole length	28.767	42	Chlorophyll a/b	1.298
19	Leaf Weight	5.77	43	total Chlorophyll (mg/g)	1.976
20	Petiole Weight	0.103	44	Phenol (μg/mg)	0.773
21	Leaf weight: Petiole Weight	55.856	45	Reducing sugar (μg/mg)	4.483
22	Lamina weight (gm)	5.667	46	Non-reducing sugar (μg/mg)	8.783
23	Laminar Index (%)	98.208	47	Proline (μg/g)	20.717
24	Internodal Distance(cm)	2.143	48	Protein (mg/g)	22.603