

Accession No. 706

IC No.: 410806

Scientific Name: *Terminalia arjuna*

Common Name: Arjun

Place of origin: Taroba, Chandrapur, Maharashtra

Date of plantation: July-2004



Anatomy and physiology

#	Parameter		#	Parameter	
1	Plant Nature	Spreading	25	Moisture (%)	78.573
2	Bark Nature	Smooth	26	MRC (%)	76.64
3	Bark Colour	Grey	27	Stomata /mm ²	245.963
4	Phyllotaxy	Opposite	28	Stomata length (μm)	26.7
5	Leaf Nature	Homophyllous	29	Stomata width (μm)	17.467
6	Leaf Shape	Ovate	30	Stomata pore length (μm)	17.467
7	Leaf Apex	Acute	31	Stomata pore width (μm)	4.027
8	Leaf Margin	Repand	32	Cuticle thickness(μm)	16.127
9	Young Leaf Colour	Light Copper Red	33	Upper epidermis thickness (μm)	16.12
10	Young Leaf midrib Colour	Green	34	Palisade thickness (μm)	120.73
11	Mature Leaf colour	Green	35	Parenchyma thickness (μm)	197.243
12	Young Leaf Pubescence	Moderate	36	Lower epidermis thickness (μm)	24.123
13	Number of Glands	2	37	No. of chloroplasts	11
14	Position of Glands	Alternate	38	Total thickness(μm)	437.157
15	Leaf Length (cm)	12.63	39	Palisade: Parenchyma	0.921
16	Leaf Width (cm)	4.933	40	Chlorophyll a (mg/g)	1.244
17	Petiole Length (cm)	0.7	41	Chlorophyll b (mg/g)	0.963
18	Leaf Length: petiole length	18.043	42	Chlorophyll a/b	1.293
19	Leaf Weight	3.85	43	total Chlorophyll (mg/g)	2.201
20	Petiole Weight	0.027	44	Phenol (μg/mg)	5.633
21	Leaf weight: Petiole Weight	145.642	45	Reducing sugar (μg/mg)	3.847
22	Lamina weight (gm)	3.823	46	Non-reducing sugar (μg/mg)	4.587
23	Laminar Index (%)	99.308	47	Proline (μg/g)	20.533
24	Internodal Distance(cm)	2.243	48	Protein (mg/g)	20.45