



HOME OWNERS / BUILDERS HANDBOOK

**A GUIDE TO ALTERNATIVE
LESSER USED SPECIES OF
TROPICAL
HARDWOODS IN GUYANA**

**TESTED LESSER USED SPECIES OF
GUYANA'S TIMBER
ENDORSED BY PARTNERS
IN THE FOREST INDUSTRY**



Published by
Forest Products Development and Marketing Council of Guyana, Inc.

Publication 2016

17 Access Road Kingston Georgetown Guyana

Tel: +592 223-5135-6

Fax: +592 227-5595

Email: marketing@fpdmc.gov.gy

Website: www.fpdmc.gov.gy

INTRODUCTION

This handbook has been formulated to promote the use of the Lesser Utilised Species (LUS) of woods found in Guyana's forest. The compilation of this handbook is a collaborative effort between the Forest Products Development and Marketing Council, the Guyana Forestry Commission and the Forest Products Association. Information from the industry was also used to compile this handbook along with referenced literature.

This handbook is designed to assist end users of timber. These include contractors, carpenters, lumberyard dealers and potential home owners. It provides information on the Lesser Utilised Species of timber which contain comparable properties in terms of application use, green density, heartwood colour, grain and texture to those of commercial species. It must be noted that the compiled list of species comprises the 15 tested species researched by Timber Research and Development Association (TRADA) and Tropenbos International Foundation. The other 11 species have been subjected to some amount of testing.

Revisions were made in this handbook to increase its usefulness by grouping the species according to their density classes. The very heavy to heavy densities are listed in category one, medium density is listed in category two and light to very light densities comprises category three. Using the comparable properties of commercial species listed, consumers should be able to easily compare and confidently select Lesser Utilised Species for end use-applications in their building projects.

There are advantages in using LUS in building projects for consumers/end users and these include affordability and availability. The main advantage however is to widen species utilization which would ultimately reduce "creaming" of the forest.

Since this handbook was first published marketing information suggests that there has been an increase in the demand of the LUS. This is evidenced by the increase in demand both locally and internationally for species such as Black Kakaralli and Darina from categories one and two respectively.

The FPDMC would like to acknowledge the contributions of all those stakeholders who have supported the production of this handbook, this being our second revised edition over the period 2012-2016. Their contributions in the form of advertising have made it possible to distribute this handbook free of cost to those who will find it useful in the woodworking projects.

EXPLANATORY NOTES

Guyanese Name

The vernacular names used in Guyana and other producing countries

Wood Description

Heartwood – colour of inner most part of the log

Grain – general alignment of fibers (straight, slightly and/or occasionally interlocked, highly and/or frequently interlocked)

Texture: the feel of the grain in the wood

Physical Properties

Air Dry Density at 12% Moisture Content (MC)

These values, expressed in g/cm^3 , indicate the possible range or the average weight per volume of wood at 12% moisture. The density category refers to the following classification system:

Very light	:	under 0.50 g/cm^3
Light	:	0.50 to 0.65 g/cm^3
Medium	:	0.65 to 0.80 g/cm^3
Heavy	:	0.80 to 0.95 g/cm^3
Very heavy	:	over 0.95 g/cm^3

Strength

The strength of a species can be assessed using various methods but in this handbook the general strength is assessed using the modulus of elasticity.

Modulus of Elasticity	N/mm^2
Very High	19,000
High	14,000-19,000
Medium	11,000-14,000
Low	9,000-11,000
Very Low	9,000

TABLE OF CONTENT

Introduction.....	1
Explanatory Notes.....	2
Quick Reference Guide For Common Use.....	4
A Density Comparison of LUS and Commercial Species.....	5
Category One: Very Heavy to Heavy Density Species.....	6
Very heavy-(over 0.95 g/cm³)	
KOKORITABALLI	7
BLACK KAKARALLI	9
TONKA BEAN	11
KAUTA	13
KAUTABALLI	15
MORABUKEA	17
Heavy- (0.80 to 0.95 g/cm³)	
LIMONABALLI.....	19
BURADA.....	21
ITIKIBOROBALLI.....	23
WINA KAKARALLI	25
FUKADI	27
Category two: Medium density species.....	28
Medium (0.65 to 0.80 g/cm³)	
COW WOOD.....	29
EU-GUYANA FLEGT VPA and its benefits.....	30-31
DARINA.....	32
MANNI	35
SUYA	36
Category three: Light to very light species.....	37
Light (0.50 to 0.65 g/cm³)	
KUROKAI	38
MAHO	39
MUNIRIDAN.....	41
KOROKORORO	43
WADARA	45
ITEBALLI	47
HAIARIBALLI.....	49
Very light(under 0.50 g/cm³)	
DALLI	50
FUTUI.....	51
DUKA	53
Kiln Drying	55
Reference	60



HOME OWNERS/BUILDERS

Add Value with Lesser Used Species

Same Great Finish at a Lesser Price

CEILING

- Darina
- Manni
- Pakuri
- Waramadang



WALLS

- Limonaballi
- Cow Wood
- Kauta
- Itikiboroballi
- Haiariballi
- Darina



FLOORING

- Muniridan
- Tonka Bean
- Wadara
- Wina Kakaralli
- Burada
- Darina



STAIRS

- Wina Kakaralli
- Darina
- Manni
- Fukadi
- Morabukea



**Lesser Used Species of Guyana's Hardwood
proven integrity and durability tested by TRADA.**



17 Access Road, Kingston, Georgetown, Guyana, South America

Tel: 592-223-5135-6 | Fax: 592-227-5595

Website: www.fpdmc.gov.gy



QUICK REFERENCE GUIDE FOR COMMON USE

Application	Recommended Lesser Used Species
Heavy Carpentry	Black Kakaralli (Piling) Tonka Bean, Morabukea, Kautaballi, Kokoritaballi, Wina Kakaralli, Fukadi, Darina, Limonaballi
Flooring	Black Kakaralli, Tonka Bean, Morabukea, Kautaballi, Kokoritaballi, Wina Kakaralli, Fukadi, Darina, Burada, Wadara.
House Framing	Black Kakaralli, Tonka Bean, Morabukea, Kautaballi, Kokoritaballi, Wina Kakaralli , Fukadi, Burada, Kurokai, Limonaballi.
Outdoor Furniture	Black Kakaralli, Tonka Bean, Morabukea, Kautaballi, Kokoritaballi, Wina Kakaralli, Fukadi , Darina.
Cabinetry	Itikiboroballi, Darina, Fukadi, Cow Wood.
Wall Panels	Darina, Itikiboroballi, Kurokai
Ceiling Panels	Darina , Korokororo
Decking	Morabukea
Joinery	Morabukea, Wadara, Muniridan, Darina, Duka, Maho
Moulding	Futui, Dalli, Wadara, Darina, Duka
Staircases	Itikiboroballi, Darina, Burada, Black Kakaralli, Tonka Bean, Kurokai, Morabukea.

A Comparison Density of LUS and CommercialSpecies

Density Category	LUS	Density g/cm ³	Compared Commercial Species	Density g/cm ³
Very Heavy	Black Kakaralli	1.07	Greenheart	0.97
			Purple Heart	0.84
	MoraBukea	1.03	Shibadan	0.95
			Mora	0.99
Heavy	Tonka Bean	1.07	Bulletwood	1.10
			Tatabu	0.91
	Burada	0.89	Locust	0.88
			Tauroniro	0.95
	Fukadi	0.84	Kabukalli	0.84
			Mora	0.99
	Itikiboroballi	0.89	Aromata	0.96
			Wallaba	0.92
Medium	Suya	0.71	Determa	0.66
			Dakama	0.71
	Cow Wood	0.80	Crabwood	0.67
			Kabukalli	0.84
	Manni	0.72	Determa	0.66
			Dakama	0.71
Light	Wadara	0.62	Yellow Silverballi	0.58-0.64
			White Cedar	0.67
	Iteballi	0.58-0.62	Ulu	0.59
			Baromalli	0.59
	Korokororo	0.62	Yellow Silverballi	0.58-0.64
			White Cedar	0.67
Very Light	Futui	0.43	Simarupa	0.41
			Kereti Silverballi	0.42
	Duka	0.40-0.48	Baradan	0.54
			Dukali	0.52
	Dalli	0.46	Simarupa	0.41
			Kereti Silverballi	0.42

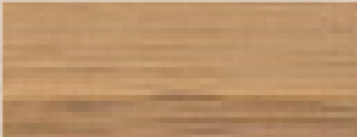
CATEGORY ONE

Very Heavy to Heavy Density Species

Common Name	International Trade Name	Botanical/ Scientific Name	Density g/cm ³
Kokoritaballi	Abiuranta	<i>Pouteria cuspidata</i>	1.07-1.33*
Black Kakaralli	Black Kakaralli	<i>Eschweilera spp.</i>	1.07
Tonka Bean	Cumaru	<i>Dipteryx odorata</i>	1.07
Kauta	Kauta	<i>Licania laxiflora</i>	1.03
Kautaballi	Kautaballi	<i>Licania majuscula</i>	1.03
Morabukea	Morabukea	<i>Mora gonggrijpii</i>	1.03
Limonaballi	Limonaballi, Abiurana	<i>Chrysophyllum pomiferum</i>	0.95
Burada	Burada	<i>Parinari Campestris</i>	0.89
Itikiboroballi	Itikiboroballi	<i>Swartzia spp.</i>	0.89
Wina Kakaralli	Wina	<i>Lecythis corrugata</i>	0.86-0.96*
Fukadi	Nargusta	<i>Buchenavia fanshawei</i>	0.84

*Data from two different reference sources

CATEGORY ONE



KOKORITABALLI

Density category: Very Heavy

Application: Heavy construction, industrial flooring, dragline/cranes mats

Commercial Species grouped with Kokoritaballi:

Moraballi, Aromata, Shibadan, Greenheart, Tatabu

Air Dry Density at 12% Moisture Content: 1.07-1.33*

Heartwood: Reddish brown

Grain: Straight

Texture: Fine

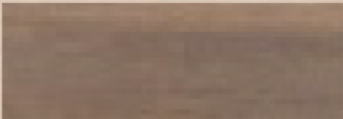
Processing:

- **Sawing:** power required, blunting effect
- **Drying:** air dried at moderate rate
- **Machining:** difficult due to hardness; special tools required
- **Nailing:** pre-boring necessary

MECHANICAL PROPERTIES	
Bending strength at 12% (N/mm ²)	259
Modulus of elasticity at 12% (N/mm ²)	30,430
Crushing strength at 12% (N/mm ²)	108

* The following data are based on *Pouteria egregia* and *P. eugeniifolia* which are similar to *P. cuspidata* in appearance and technical properties.

CATEGORY ONE



BLACK KAKARALLI

Density category: Very Heavy

Application: Heavy carpentry, industrial flooring, shipbuilding, piles and posts, frame construction, dragline/cranes mats

Commercial Species grouped with Black Kakaralli:

Tauroniro, Shibadan, Moraballi, Purpleheart, Greenheart, Aromata, Tatabu

Air Dry Density at 12% Moisture Content: 1.07

Heartwood: Brown to dark brown

Grain: Straight

Texture: Fine to medium

Processing:

- Sawing: power required, blunting effect high due to silica
- Drying: moderately difficult to air season
- Machining: difficult due to silica
- Gluing: difficult
- Nailing: pre-boring necessary

MECHANICAL PROPERTIES	
Bending strength at 12% (N/mm ²)	182
Modulus of elasticity at 12% (N/mm ²)	21,635
Crushing strength at 12% (N/mm ²)	77

CATEGORY ONE



TONKA BEAN

Density category: Very Heavy

Application: Sleepers, bridges, flooring, weathered construction, dragline/cranes mats, gearing, heavy carpentry, decorative veneer

Commercial Species grouped with Tonka Bean:

Tatabu, Shibadan, Bulletwood, Mora, Purpleheart, Greenheart

Air Dry Density at 12% Moisture Content: 1.07

Heartwood: Beige brown with yellow or purplish pink tinge becoming red brown with age

Grain: Frequently interlocked, sometimes highly

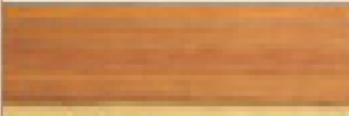
Texture: Fine to medium

Processing:

- **Sawing:** power required, moderate blunting effect
- **Drying:** must be handled slowly with care; risk of checking and distortion, high
- **Machining:** special tools recommended
- **Gluing:** difficult- special processing needed
- **Nailing:** pre-boring necessary
- **Finishing:** good

MECHANICAL PROPERTIES	
Bending strength at 12% (N/mm ²)	200
Modulus of elasticity at 12% (N/mm ²)	22,000
Crushing strength at 12% (N/mm ²)	105

CATEGORY ONE



KAUTA

Density category: Very Heavy

Application: Heavy construction (above ground), shingles, house framing, charcoal, underwater marine construction, dragline/cranes mats

Commercial Species grouped with Kauta:

Bulletwood, Moraballi, Greenheart, Aromata

Air Dry Density at 12% Moisture Content: 1.03

Heartwood: Yellowish brown to brown or dark brown, sometimes with a reddish tinge

Grain: Straight

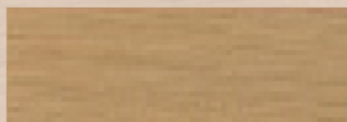
Texture: Fine

Processing:

- **Sawing:** power required, blunting effect: high silica
- **Drying:** air drying reported as easy to moderately difficult, risks of distortion rated as slight, risks of checking rated as slight
- **Machining:** difficulties due to hardness and silica content, special tools recommended
- **Nailing:** pre-boring necessary
- **Finishing:** good

MECHANICAL PROPERTIES	
Bending strength at 12% (N/mm ²)	173
Modulus of elasticity at 12% (N/mm ²)	17,400
Crushing strength at 12% (N/mm ²)	84

CATEGORY ONE



KAUTABALLI

Density category: Very Heavy

Application: Heavy construction , shingles, house framing, charcoal, underwater marine construction, dragline/cranes mats

Commercial Species grouped with Kautaballi:

Bulletwood, Moraballi, Greenheart, Purpleheart, Aromata, Tatabu, Tauroniro

Air Dry Density at 12% Moisture Content: 1.03

Heartwood: Yellowish brown to brown or dark brown, sometimes with a reddish tinge

Grain: Straight

Texture: Fine

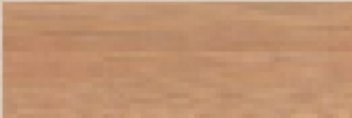
Processing:

- Sawing: power required, blunting effect: high silica
- Drying: air drying reported as easy to moderately difficult, risks of distortion rated as slight, risks of checking rated as slight
- Machining: difficulties due to hardness and silica content, special tools are commended
- Nailing: pre-boring necessary
- Finishing: good

MECHANICAL PROPERTIES

Bending strength at 12% (N/mm ²)	173
Modulus of elasticity at 12% (N/mm ²)	17,400
Crushing strength at 12% (N/mm ²)	84

CATEGORY ONE



MORABUKEA

Density category: Very Heavy

Application: Sleepers, heavy construction, bridge, decking, planking, heavy carpentry, industrial flooring, joinery, boat building (ribs, stern, keels, framing), dragline/cranes mats

Commercial Species grouped with Morabukea:

Mora, Shibadan, Purpleheart, Moraballi, Greenheart, Aromata, Tatabu

Air Dry Density at 12% Moisture Content: 1.03

Heartwood: Pinkish brown or reddish brown to dark brown with paler streaks

Grain: Straight, often interlocked, sometimes irregular or wavy

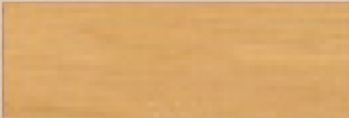
Texture: Rather fine to moderately coarse

Processing:

- Sawing: power required, fairly difficult, tendency to spring
- Drying: slow drying and careful drying required to prevent degrade
- Machining: difficulty due to hardness and interlocked grain
- Gluing: special precautions needed
- Nailing: good holding of nails pre-boring necessary
- Finishing: good

MECHANICAL PROPERTIES	
Bending strength at 12% (N/mm ²)	176
Modulus of elasticity at 12% (N/mm ²)	21,910
Crushing strength at 12% (N/mm ²)	94

CATEGORY ONE



LIMONABALLI

Density category: Heavy

Application: House framing, wall panels, flooring, turnery, joinery, dragline/cranes mats

Commercial Species grouped with Limonaballi:

Korokororo, Wamara, Greenheart, Aromata, Tatabu, Shibadan, Mora, Wallaba, Purpleheart.

Air Dry Density at 12% Moisture Content: 0.95

Heartwood: Pale yellowish brown to dark brown

Grain: Straight interlocked

Texture: Fine

Processing:

- Sawing: power required, blunting effect because of silica content
- Drying: air drying easy to moderate, some checking
- Machining: moderate to difficult due to silica content
- Nailing: pre-boring necessary

MECHANICAL PROPERTIES	
Bending strength at 12% (N/mm ²)	179
Modulus of elasticity at 12% (N/mm ²)	19,515
Crushing strength at 12% (N/mm ²)	79

CATEGORY ONE



BURADA

Density category: Heavy

Application: Marine construction (submerged), ship keels, sleepers (treated), heavy construction, flooring, dragline/cranes mats

Commercial Species grouped with Burada:

Locust, Kabukalli, Purpleheart, Wallaba, Tauroniro, Greenheart

Air Dry Density at 12% Moisture Content: 0.89

Heartwood: Light brown, or yellowish pink brown

Grain: Generally straight sometimes slightly interlocked

Texture: Fine

Processing:

- **Sawing:** power required , blunting effect: high silica
- **Drying:** rapid air drying prior to kiln drying is recommended, risk of distortion moderate, risk of checking slight, possible risk of case hardening
- **Machining:** special tools recommended
- **Nailing:** pre-boring necessary
- **Finishing:** moderate

MECHANICAL PROPERTIES

Bending strength at 12% (N/mm ²)	157
Modulus of elasticity at 12% (N/mm ²)	16,500
Crushing strength at 12% (N/mm ²)	86

CATEGORY ONE



ITIKIBOROBALLI

Density category: Heavy

Application: Inlay, cabinet work, walking sticks, parquet flooring, bagpipes, violins, turnery, fine furniture, cutlery, marquetry, musical instruments, interior trim, dragline/cranes mats

Commercial Species grouped with Itikiboroballi:

Locust, Purpleheart, Aromata, Greenheart, Wallaba, Kabukalli, Wamara

Air Dry Density at 12% Moisture Content: 0.89

Heartwood: Chocolate brown to pale reddish brown or purplish brown, occasionally marked by dark olive or purplish brown stripes

Grain: Generally straight but may be variable

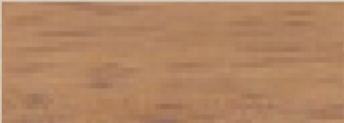
Texture: Medium to very fine

Processing:

- **Sawing:** power required
- **Drying:** slow
- **Machining:** difficult due to hardness– power required
- **Gluing:** N/A
- **Nailing:** pre-boring necessary
- **Finishing:** good

MECHANICAL PROPERTIES	
Bending strength at 12% (N/mm ²)	163
Modulus of elasticity at 12% (N/mm ²)	23,630
Crushing strength at 12% (N/mm ²)	85

CATEGORY ONE



WINA KAKARALLI

Density category: Heavy

Application: Pile timbers, beams heavy carpentry (construction), heavy flooring, tool handles sporting goods, frame construction exterior joinery, sliced veneer, stairs, ship keels and beams, sleepers, dragline/ cranes mats

Commercial Species grouped with Wina Kakaralli:

Shibadan, Tauroniro, Moraballi, Greenheart, Aromata, Tatabu, Purpleheart

Air Dry Density at 12% Moisture Content: 0.86-0.96*

Heartwood: Red brown with lighter veins

Grain: Straight

Texture: Rather fine to medium

Processing:

- **Sawing:** power required; somewhat difficult, blunting effect; moderate
- **Drying:** generally good, risks of distortion and checking moderate
- **Machining:** moderately difficult; some tearing may occur in planing because of interlocked grain
- **Gluing:** good
- **Nailing:** pre-boring necessary
- **Finishing:** good

*Data from two different reference sources

MECHANICAL PROPERTIES	
Bending strength at 12% (N/mm ²)	136—157
Modulus of elasticity at 12% (N/mm ²)	16,700 - 17,640
Crushing strength at 12% (N/mm ²)	59—78

CATEGORY ONE



FUKADI

Density category: Heavy

Application: Cabinet work, furniture, general construction, interior and exterior joinery, turnery, sleepers, plywood, dragline/cranes mats

Commercial Species grouped with Fukadi:

Locust, Kabukalli, Wallaba, Purpleheart, Greenheart, Mora

Air Dry Density at 12% Moisture Content:0.84

Heartwood: Light to brown to light creamy brown often with darker streaks

Grain: Straight to roey

Texture: Medium

Processing:

- **Sawing:** power required, somewhat difficult, blunting effect moderate
- **Drying:** generally good, checking and distortion moderate
- **Machining:** moderately difficult; some tearing may occur in planing because of interlocked grain
- **Gluing:** good
- **Nailing:** pre-boring necessary
- **Finishing:** good may require little sanding

MECHANICAL PROPERTIES	
Bending strength at 12% (N/mm ²)	143
Modulus of elasticity at 12% (N/mm ²)	17,760
Crushing strength at 12% (N/mm ²)	71

CATEGORY TWO

Medium density species

Common Name	International Trade Name	Botanical/ Scientific Name	Density g/cm ³
Cow Wood	Tatajuba	<i>Bagassa guianensis</i>	0.80
Darina	Angelim	<i>Hymenolobium spp</i>	0.75
Manni	Santa Maria	<i>Symphonia globulifera</i>	0.72
Suya	Suya, Pajura	<i>Pouteria speciosa</i>	0.70-0.71*

*Data from two different reference sources

CATEGORY TWO



COW WOOD

Density category: Medium

Application: Light construction, paneling, turnery, boxes and crates, furniture components, tool components

Commercial Species grouped with Cow Wood:

Locust, Kabukalli, Wallaba, Shibadan, Crabwood

Air Dry Density at 12% Moisture Content: 0.80

Heartwood: Yellow becoming dark brown on exposure

Grain: Frequently but slightly interlocked

Texture: Medium to coarse

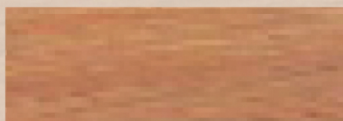
Processing:

- Sawing: power required, blunting effect: very slight
- Drying: no important problems, movement in service low
- Machining: not difficult or difficulties can occur when highly interlocked grain is present
- Gluing: good
- Nailing: good holding of nails, at times pre-boring necessary
- Finishing: good

MECHANICAL PROPERTIES

Bending strength at 12% (N/mm ²)	121
Modulus of elasticity at 12% (N/mm ²)	17,300
Crushing strength at 12% (N/mm ²)	78

CATEGORY TWO



DARINA

Density category: Medium

Application: General construction (flooring, ceiling etc), paneling, turnery, boxes and crates, furniture components

Commercial Species grouped with Darina:

Dakama, Suya, Determa, Hububalli

Air Dry Density at 12% Moisture Content: 0.75

Heartwood: Dark yellow brown to light brown

Grain: Straight to interlocked

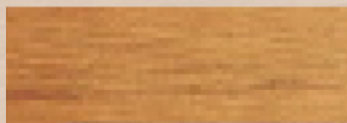
Texture: Coarse

Processing:

- Sawing: easy
- Drying: moderately difficult to air-season; fast to moderate rate; slight checking
- Machining: easy
- Gluing: easy
- Nailing: N/A
- Finishing: smooth

MECHANICAL PROPERTIES	
Bending strength at 12% (N/mm ²)	121
Modulus of elasticity at 12% (N/mm ²)	14,135
Crushing strength at 12% (N/mm ²)	62

CATEGORY TWO



MANNI

Density category: Medium

Application: Interior and exterior furniture components, flooring, general construction, interior fittings, plywood, carpentry, cooperage, sleepers

Commercial Species grouped with Manni:

Dakama, Suya, Determa, Tauroniro

Air Dry Density at 12% Moisture Content: 0.72

Heartwood: Beige brown with yellow green or orange tinge

Grain: Mostly straight, sometimes irregular

Texture: Medium

Processing:

- Sawing: easy
- Drying: requires care, risks of distortion more or less high, risks of checking more or less high
- Machining: easy
- Gluing: good
- Nailing: good holding of nails
- Finishing: good

MECHANICAL PROPERTIES

MECHANICAL PROPERTIES	
Bending strength at 12% (N/mm ²)	113
Modulus of elasticity at 12% (N/mm ²)	12,630
Crushing strength at 12% (N/mm ²)	58

CATEGORY TWO



SUYA

Density category: Medium

Application: Utility plywood, boxes and crates, interior joinery light furniture, light construction, carpentry

Commercial Species grouped with Maporokon:

White Cedar, Yellow Silverballi, Crabwood

Air Dry Density at 12% Moisture Content: 0.67

Heartwood: Pinkish brown with occasionally darker streaks or zones of straw in colour

Grain: Straight to wavy or interlocked

Texture: Coarse

Processing:

- Sawing: easy
- Drying: blunting effect very slight rapid but careful stacking is required
- Machining: not difficult
- Gluing: good
- Nailing: good holding of nails
- Finishing: good

MECHANICAL PROPERTIES	
Bending strength at 12% (N/mm ²)	95
Modulus of elasticity at 12% (N/mm ²)	11,800
Crushing strength at 12% (N/mm ²)	53

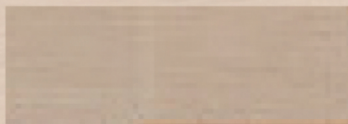
CATEGORY THREE

Light To Very Light Species

Common Name	International Trade Name	Botanical/ Scientific Name	Density g/cm ³
Kurokai	Kurokai, Breu	<i>Protium decandrum</i>	0.64
Maho	Kobe	<i>Sterculia spp.</i>	0.64
Muniridan	Muniridan	<i>Siparuna spp</i>	0.63
Korokororo	Tento	<i>Ormosia coutinhoi</i>	0.62
Wadara	Tauari	<i>Couratari spp.</i>	0.62
Iteballi	Iteballi, Quaruba	<i>Vochysia spp.</i>	0.58-0.62*
Haiariballi	Haiariballi	<i>Alexa imperatricis</i>	0.51
Dalli	Virola	<i>Virola spp</i>	0.46
Futui	Gobaja, Para-Para	<i>Jacaranda copaia</i>	0.43
Duka	N/A	<i>Tapirira marchandii</i>	0.40-0.48*

*Data from two different reference sources

CATEGORY THREE



KUROKAI

Density category: Light

Application: Furniture, house framing, plywood, interior joinery, interior fittings, veneer, light carpentry, moulding

Commercial Species grouped with Kurokai:

Determa, Yellow Silverballi, White Silverballi, Crabwood, White Cedar

Air Dry Density at 12% Moisture Content: 0.64

Heartwood: Pinkish brown sometimes with dark reddish brown irregularly spaced streaks

Grain: Straight or shallowly interlocked

Texture: Fine

Processing:

- Sawing: power required
- Drying: fairly rapid, risks of distortion more or less high, risk of checking more or less high
- Machining: no important difficulties
- Gluing: variable
- Nailing: pre-boring necessary

MECHANICAL PROPERTIES	
Bending strength at 12% (N/mm ²)	110
Modulus of elasticity at 12% (N/mm ²)	12,890
Crushing strength at 12% (N/mm ²)	61

CATEGORY THREE



MAHO

Density category: Light

Application: Plywood, Interior joinery, boxes and crates interior trim, light carpentry, blackboards, particle board, paper, pulp formwork, furniture components, coffins

Commercial Species grouped with Maho:

Yellow Silverballi, Simarupa, Ulu

Air Dry Density at 12% Moisture Content: 0.64

Heartwood: Variable in colour, pink grey, ochre beige or light reddish brown

Grain: Generally straight

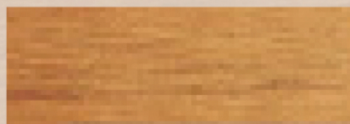
Texture: Coarse

Processing:

- Sawing: easy, blunting effect very slight
- Drying: must be handled slowly
- Machining: not difficult; wooly surface; sharp cutters recommended
- Gluing: good
- Nailing: good holding of nails
- Finishing: filling required

MECHANICAL PROPERTIES	
Bending strength at 12% (N/mm ²)	104
Modulus of elasticity at 12% (N/mm ²)	12,650
Crushing strength at 12% (N/mm ²)	55

CATEGORY THREE



MUNIRIDAN

Density category: Light

Application: Interior and exterior furniture components, flooring, general construction, interior fittings, plywood, carpentry, cooperage, sleepers

Commercial Species grouped with Manni:

Dakama, Suya, Determa, Tauroniro

Air Dry Density at 12% Moisture Content: 0.72

Heartwood: Beige brown with yellow green or orange tinge

Grain: Mostly straight, sometimes irregular

Texture: Medium

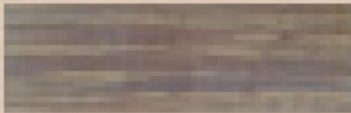
Processing:

- Sawing: easy
- Drying: requires care, risks of distortion more or less high, risks of checking more or less high
- Machining: easy
- Gluing: good
- Nailing: good holding of nails
- Finishing: good

MECHANICAL PROPERTIES

Bending strength at 12% (N/mm ²)	113
Modulus of elasticity at 12% (N/mm ²)	12,630
Crushing strength at 12% (N/mm ²)	58

CATEGORY THREE



KOROKORORO

Density category: Light

Application: Light construction, furniture, light carpentry, matches, moulding, turnery

Commercial Species grouped with Korokororo:

Yellow Silverballi, Crabwood, White Cedar

Air Dry Density at 12% Moisture Content: 0.62

Heartwood: Dark brown to yellowish brown with dark striping and sometimes a pinkish tinge

Grain: Straight to moderately interlocked roey

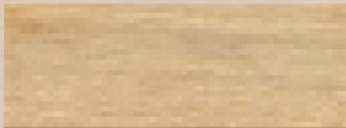
Texture: Coarse

Processing:

- Sawing: easy, blunting effect very slight
- Drying: seasoning moderately difficult
- Machining: easily worked, interlocked grain may be a problem
- Gluing: good
- Nailing: good holding of nails

MECHANICAL PROPERTIES	
Bending strength at 12% (N/mm ²)	95
Modulus of elasticity at 12% (N/mm ²)	11,859
Crushing strength at 12% (N/mm ²)	47

CATEGORY THREE



WADARA

Density category: Light

Application: Interior joinery, plywood, exterior joinery (with treatment), light furniture, moulding, light construction, boxes and crates, formwork, toys, flooring

Commercial Species grouped with Wadara:

Yellow Silverballi, White Cedar, Crabwood, Simarupa, Red Cedar

Air Dry Density at 12% Moisture Content: 0.62

Heartwood: Variable cream white to light beige with pinkish yellow tinge

Grain: Generally straight, sometimes roey

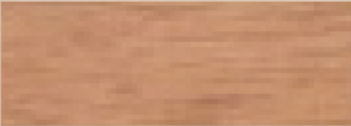
Texture: Medium

Processing:

- **Sawing:** easy, blunting effect; moderate to high silica
- **Drying:** no important problems, risks of distortion very slight, risks of checking very slight, movement in service medium
- **Machining:** not difficult or difficulties could occur when highly interlocked grain is present
- **Gluing:** good
- **Nailing:** good holding

MECHANICAL PROPERTIES	
Bending strength at 12% (N/mm ²)	96
Modulus of elasticity at 12% (N/mm ²)	11,700
Crushing strength at 12% (N/mm ²)	48

CATEGORY THREE



ITEBALLI

Density category: Light

Application: Boxes and crates, utility plywood, turnery, moulding
wainscoting, light carpentry, upholstered furniture framing

Commercial Species grouped with Iteballi:

Determa, White Cedar, Ulu, Baromalli

Air Dry Density at 12% Moisture Content: 0.58-0.62*

Heartwood: Pale pink brown darkening to golden brown often with
yellow stripes

Grain: Generally straight to slightly interlocked

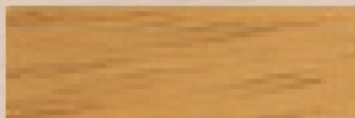
Texture: Rather coarse

Processing:

- Sawing: easy, wooly surface, blunting effect very slight
- Drying: kiln-drying difficult and slow, quarter sawing and slow
drying are recommended
- Machining: special tools recommended
- Gluing: good
- Nailing: good holding of nails
- Finishing: good

MECHANICAL PROPERTIES	
Bending strength at 12% (N/mm ²)	78-81
Modulus of elasticity at 12% (N/mm ²)	9179-9700
Crushing strength at 12% (N/mm ²)	43-45

CATEGORY THREE



HAIARIBALLI

Density category: Light

Application: Interior joinery, furniture, boxes and crates, light carpentry, plywood, veneer, interior trim, upholstered furniture framing

Commercial Species grouped with Haiariballi:

Red Cedar, Baradan, Dukali, Simarupa

Air Dry Density at 12% Moisture Content: 0.51

Heartwood: Brownish yellow, occasionally somewhat darker

Grain: Generally straight

Texture: Rather coarse

Processing:

- Sawing: easy, logs sometimes split in felling, blunting effect very slight
- Drying: difficult
- Machining: easy
- Gluing: good
- Nailing: good holding of nails
- Finishing: good

MECHANICAL PROPERTIES	
Bending strength at 12% (N/mm ²)	73
Modulus of elasticity at 12% (N/mm ²)	10,890
Crushing strength at 12% (N/mm ²)	39

CATEGORY THREE



DALLI

Density category: Very Light

Application: Plywood, interior joinery, moulding, boxes and crates, matches, light carpentry, particle board, fiber board, upholstered furniture framing, cigar boxes and coffins

Commercial Species grouped with Dalli:

Red Cedar, Baradan, Dukali, Simarupa, Silverballi, White Cedar

Air Dry Density at 12% Moisture Content: 0.46

Heartwood: Beige to pale brown

Grain: Straight

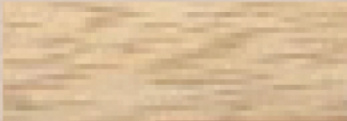
Texture: Medium

Processing:

- Sawing: easy, blunting effect very slight
- Drying: reported moderately difficult, requires care
- Machining: good
- Gluing: good
- Nailing: good holding of nails
- Finishing: good

MECHANICAL PROPERTIES	
Bending strength at 12% (N/mm ²)	78
Modulus of elasticity at 12% (N/mm ²)	10,070
Crushing strength at 12% (N/mm ²)	40

CATEGORY THREE



FUTUI

Density category: Very Light

Application: Plywood (core), block board, moulding, boxes and crates, matches, toys, interior joinery, upholstered furniture framing, broom stick

Commercial Species grouped with Futui:

Red Cedar, Baradan, Corkwood, Simarupa, Ulu, Kereti Silverballi

Air Dry Density at 12% Moisture Content: 0.43

Heartwood: Yellowish white or pinkish white with streaks

Grain: Straight

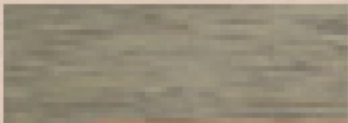
Texture: Medium to coarse

Processing:

- **Sawing:** easy, risk of splitting wooly surfaces, presence of more or less internal stresses, blunting effect very slight
- **Drying:** easy and rapid, movement in service medium to large
- **Machining:** easy but the cutters have to be kept sharp to avoid wooliness
- **Gluing:** good
- **Nailing:** poor holding of nails
- **Finishing:** good

MECHANICAL PROPERTIES	
Bending strength at 12% (N/mm ²)	60
Modulus of elasticity at 12% (N/mm ²)	89,000
Crushing strength at 12% (N/mm ²)	31

CATEGORY THREE



DUKA

Density category: Very Light

Application: Used locally for interior construction, upholstered furniture framing, boxes, Plywood

Commercial Species grouped with Duka:

Red Cedar, Baradan, Dukali, Simarupa, Silverballi

Air Dry Density at 12% Moisture Content: 0.40-0.48

Heartwood: Off white to pale cream pinkish

Grain: Straight

Texture: Fairly Fine

Processing:

- Sawing: N/A
- Drying: N/A
- Machining: N/A
- Gluing: N/A
- Nailing: N/A
- Finishing: N/A

MECHANICAL PROPERTIES	
Bending strength at 12% (N/mm ²)	N/A
Modulus of elasticity at 12% (N/mm ²)	N/A
Crushing strength at 12% (N/mm ²)	N/A

KILN DRYING

Kiln dried lumber is a standard in the lumber industry because dried lumber is generally prepared for manufacture into a finished product. As most valuable lumber is used within an enclosed environment-such as a home or place of business - the lumber must be suitably dried to prevent movement in service. For example, lumber dried incompletely and then manufactured into flooring will shrink and deform as it gradually loses moisture to the surrounding environment.

Additionally major International markets such as the EU and North America require various species, thicknesses, lengths, and widths, however the one process which often is necessary in the preparation of any lumber prior to entering these markets is kiln drying.

Benefits of Kiln Drying

- Increased Profitability
- Kiln drying completely sterilizes the material and kills any insects or microbes present, which can be especially important for interior application.
- Reduces weight of lumber.
- Minimizes shrinkage, hardens pitch, reduces warping and improves its workability; lumber becomes more receptive to the use of glues, fasteners, and bonding agents.
- Kiln drying lumber increases the strength of the lumber. Kiln dried lumber is stronger (over 2x) and stiffer (nearly 2x) than green lumber.



Picture of a locally constructed Solar Kiln.



Forestry Training Centre Incorporated

Fostering skills for forest management

We provide vocational education and training in all aspects of timber harvest planning and operations through short courses varying from five to fifteen days.

Our courses include: Dendrology, Directional tree felling technology, Forest inventory, Introduction to Forest Management, Introduction to forest road

alignment and construction, Occupational safety and health, Skid trail alignment and construction, Skidding, Surveying and mapping and Tree marking

We target: forest operatives, students (forestry & environmental science), representatives of communities, representatives of environmental non-government, and staffs of public agencies



Contact Us:

Forestry Training Centre Incorporated
17 Access Road, Kingston, Georgetown, Guyana
Tel: (592) 223-5061/62 Facsimile: (592) 223-5061
E-mail: forestrytraining@gmail.com;
gemar@guyana.net.gy

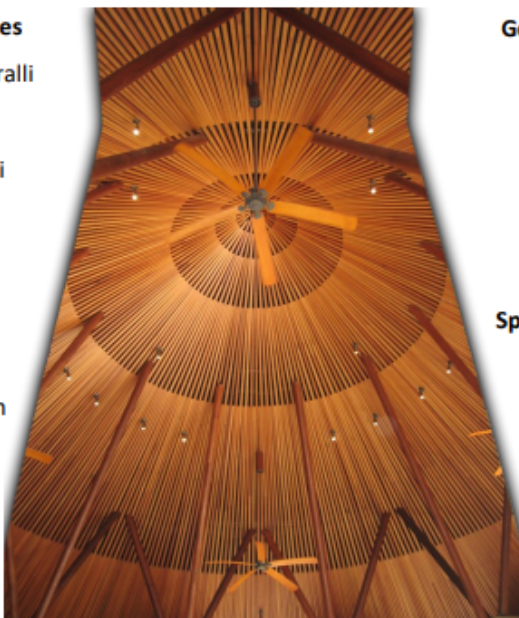


One Source Many Possibilities



Wood Species

- ◆ Black Kakaralli
- ◆ Fukadi
- ◆ Limonaballi
- ◆ Mora
- ◆ Darina
- ◆ Iteballi
- ◆ Muniridan
- ◆ Tonka Bean
- ◆ Itibororalli
- ◆ Kurokai
- ◆ Wadara



General Products

- ◆ Lumber
- ◆ Squares
- ◆ Pilings
- ◆ Post
- ◆ Crane Mats
- ◆ Railroad ties

Specialty Products

- ◆ Decking
- ◆ Flooring
- ◆ Paneling
- ◆ Doors
- ◆ Shingles
- ◆ Moulding

WOODS DIRECT

Sawmilling & Manufacturing

Yarrowkabra | Land of Canaan

Guyana Tel: +592-227-0549, +592-261-0009 | USA: +1-407-982-3328

Email: WD@WoodsDirect.com Web: WoodsDirect.com

R.L SUKHRAM & SONS

SAWMILLING INDUSTRY

Guyana's producers and exporters of:
Sawn Greenheart, Hewn Squares, Piling,
Railway Sleepers, Wamara Logs

Best Quality Decorative Exotic
Tropical Hardwoods and Panelling,
Ceiling, Flooring and Moulding Etc.



Lot 6&7 St. Lawrence, East Bank Essequibo
Tel: 592-262-0330, Cell#: 592-698-5265. Fax: 262-0299
Email: r.l_sukhramandsonssawmill@yahoo.com

ROHIT'S LUMBER YARD, HARDWARE STORE & SAWMILL

WE ALWAYS SELL FOR LESS



SUPPLIER OF THE FINEST QUALITY
LUMBER AND HARDWARE ITEMS:

- Greenheart
- Purpleheart
- Wallaba
- Mora
- Silverballi
- Kabuhali
- Simarouba
- Other types

Hardware items available: Cement, steel, zinc, stone, plywood, mesh, pvc pipes, gutter, nails, water tanks and all other building materials.



**COME INTO US FOR ALL YOUR LUMBER NEEDS AND HARDWARE NEEDS. OUR
FRIENDLY AND COURTEOUS STAFF WILL ENSURE YOU GET THE BEST QUALITY FOR
YOUR MONEY**

7 Good Hope, E.C.D & Block S&H Pearl East Bank Demerara, Guyana

Tel: 592+220-9574, 2265713 telefax: 220-8982

Email: rohitslumberyard@yahoo.com

ECO WOODS

Sub Lot 'A' Land of Canaan,
East Bank Demerara,
Guyana.

Tel: (592) 266-5414/5464,
Fax : (592) 266-5562 Email:
ecowoodsguyana.sa@gmail.c

om &
southamforestproducts@gm
ail.com

Website:

ecowoodsguyana.com

LUMBER - Structural,
Dimensioned, Profiled
Greenheart, IPE, Cumuru,
Jatoba, Purpleheart,
Angelim Pedra

FURNITURE - Garden-
Gazebo, Swings, Rockers
- Household - Berbice /
Planters, Chair, Stools, Beds

CONSTRUCTION - Parts/
Joinery, Pre-fab homes,
Mouldings, Decking,
Columns.

SHINGLES - Wallaba
contact; Danny Ameerally

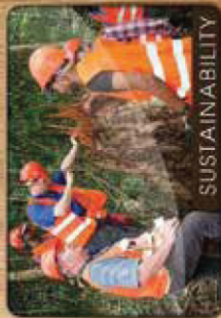




135 Middle Street, Stewartville, West Coast, Demerara

Tel: 592-268-3132 / 592-268-3305 Cell: 592-627-3381 Fax: 592-268-3133

Email: andrewforrester137@yahoo.com



Suppliers of Sustainable Tropical Hardwoods

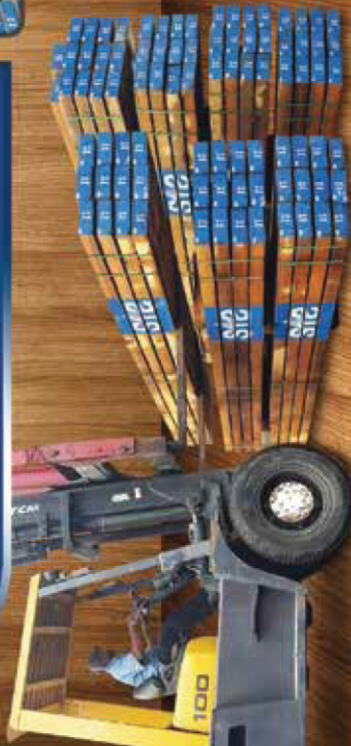
📍 75 Ireng Place, Bel Air Park,
Georgetown, Guyana.

☎ 592-223-2645 📠 592-667-7871

🌐 www.specializedtimberguyana.com

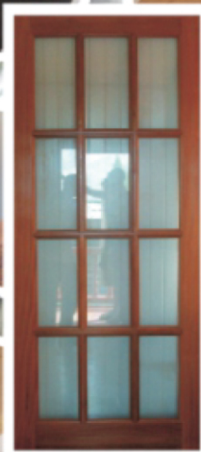
✉ justin@specializedtimberguyana.com

💰 justin.hab



Sawn Timber, Piling in:

GREENHEART | PURPLEHEART | KABUKALLI (CUIPIUSA) | MORA (PRACUUBA) | WALLABA (APA) | CRABWOOD (ANDIROBA) and more



Kiln Dry, High Quality Finish

Wall panels | Special ceilings | Moldings
End-match flooring | Panel doors | Decking

Sustainable forestry
Utilizing many durable lesser known species

LOG RIPPER
MANUFACTURING COMPANY

142 Charity Essequibo Coast Guyana, Tel: 592-771-4935, 592-611-7392

Email: logripper@yahoo.com

Welcome to Jettoo's Lumber Yard & Saw Mill



We supply exotic tropical hardwoods such as Greenheart, Purpleheart and Kabukalli. We operate our own sawmills to cut any size of lumber and produce high quality products such as doors, windows, moldings, spindles and much more.

Office Georgetown:

(592) 223-5491

(592) 225-5341

Fax: (592) 226-2756

Coverden Public Road., E.B.D.,

Office

(592) 261-5041

(592) 261-5042

Fax: (592) 226-2756

Email: jettoolumberyard@yahoo.com

Customer Support: support@jettoolumberyard.com

WOOD-TECH LUMBERYARD

WTL & Saw Milling Complex values ethical behavior, customer satisfaction, responsible forestry and worker welfare.

PRODUCTS

WTL produces several both rough and dressed as follows:

- | | | |
|--------------|--------------------|----------|
| Lumber: | -Lap Edge | -Channel |
| -S4S lumber | -Groove and Tongue | concave |
| -Hewn square | -Channel Board | -Concave |

- | | |
|--------------|------------|
| Round Logs: | -Wamara |
| -Purpleheart | -Wallaba |
| -Greenheart | -Kabukalli |
| -Washiba | -Shibadan |
| | -Locust |



QUALIFICATION:

BSc. Forestry
MSc. Forestry
MBA.

Wood-Tech Lumberyard (WTL) was established in 2008, starting with buying and selling of rough and dressed lumber for local consumption. In 2010, WTL saw the opportunity to export round logs to China and took advantage of this opportunity. WTL has since expanded its market to China with other products to date. With continued persistence WTL gained access to its own State Forest Permit and have managed to secure a reliable supply of logs for its operations by gaining access to over 20,000 acres of tropical forest state land.

Here WTL diligently implements sustainable forest harvesting practices for a greener business environment. In keeping with our vision, WTL have moved fully into downstream processing in 2013, producing competitive products in terms of quality that meets the requirements of international standards on the local and international markets. It is essential for the full utilization of the forest resource, to maintain the option of log export in order to realize maximum returns and fully utilize the available merchantable trees species available on our concession.

Contact:

E: woodtechindustry@hotmail.com
W: www.woodtechindustry.com
Tel : 592-619-4712, 592-662-8877, 592-622-7339, 592-692-8851.
Address: Bloc RM, Oil Mill Road Cove and John,
East Coast Demerara, Guyana.

DAVO'S LUMBER YARD (D. POORAN)

Dealer in all types of
Rough & Dressed Woods



Greenheart
Kabukalli
Crabwood
Limonaballi
Wallaba
Burada
Mora
Tauroniro
Monkey Pot
Darina
Fukadi

20 Industrial Site, Eccles EBD
Tel. 592-233-2758,
Cell: 616-5814

Poles, Staves and Furniture materials
5 Railway Line, Ogle, ECD
Tel. 592-222-4066

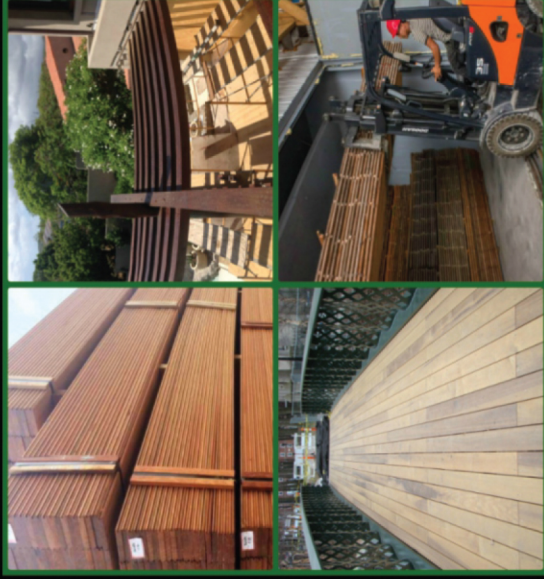


WP CUMMINGS WOOD PRODUCTS

1-2 Public Road Caledonia, EBD, Guyana. Tel: (592) 261-6400-1
Email: sales@cwpgy.com, Web: cwpgy.com, Facebook / flooritguyana

We Export:

End-matched flooring;
Mouldings;
Decking;
Handrails;
Kiln Dried lumber
Ceiling & Paneling;
Structural Timber



Greenheart | Purpleheart | Ipe | Angelim Pedra | Wamara | Jatoba | Kabukalli | Tatabu | Silverballi | Simarupa | Crabwood



Guyana/European Union Forest Law Enforcement Governance and Trade (FLEGT)



What is FLEGT?

FLEGT stands for Forest Law Enforcement, Governance and Trade. The EU's FLEGT Action Plan was established in 2003. It aims to reduce illegal logging by strengthening sustainable and legal forest management, improving governance and promoting trade in legally produced timber.

What is a Voluntary Partnership Agreement (VPA)?

VPAs are a central element of the European Union's (EU) strategy in the fight against illegal logging. A VPA is a Bilateral Trade Agreement between the EU and a timber-exporting country (in this case Guyana).

Guyana/EU & the VPA:-

Guyana Formally commenced negotiations with the EU in December 2012. Timber exporting countries like Guyana may voluntarily enter the VPA. However once a VPA is entered into force, it becomes legally binding on both sides.



Aims of the VPA:-

- To guarantee that forest exports from Guyana comes from legal sources
- To improve forest governance and forest regulations



Benefits of a VPA:-

- Promotes stakeholder participation in decision making
- Contributes to forest sector development objectives



Under the VPA:-

- The EU provides support to timber producing countries such as Guyana to improve the forest sector and associated trade in forest produce
- Guyana builds on and improves on existing systems within the forest sector



VPA Partner Countries of the World as at December 2015:



Cameroon, Central African Republic, Ghana, Indonesia, Liberia, Republic of Congo
Negotiating: Cote D'Ivoire, Democratic Republic of Congo, Gabon,
Guyana, Honduras, Laos, Malaysia, Thailand, Vietnam.





VARIETY WOODS & GREENHEART LTD

TIMBER PRODUCER & EXPORTER

99 LALUNI STREET, QUEENSTOWN, GEORGETOWN

TEL: (592) 226-8556, 227-0381, 225 7507, Fax: (592) 225 7348

Email: sales@varietywoods.com

Variety Woods & Greenheart Ltd (VWL) has been committed for over (25) twenty five years to supplying superior quality tropical hardwood timber products and excellent service to our valued customers around the globe.



VWL Operates under strict adherence to Reduced Impact Logging (RIL) Guidelines & Sustainable Forest Management (SFM) Principles. We also have a Fully Functional Chain of Custody (CoC) System and the Entire Operations is based on Sound Environmental Practices

PRODUCTS INCLUDE:

- Premium Greenheart Piles
- Cladding/Panelling
- Interior Flooring
- Exterior Decking
- Pre- Drilled Sections
- Large Dimensional Timber
- Various Profiled Lumber
- Mouldings and more...

PARADISE WOODS

36 ALMOND AVENUE, RORAIMA SCHEME,
WEST BANK DEMERARA

DHARMY BOODHOO - MANAGING DIRECTOR

+592-654-9906

+592-649-4926

SHOGI BOODHOO-MANAGING DIRECTOR

+592-638-8621

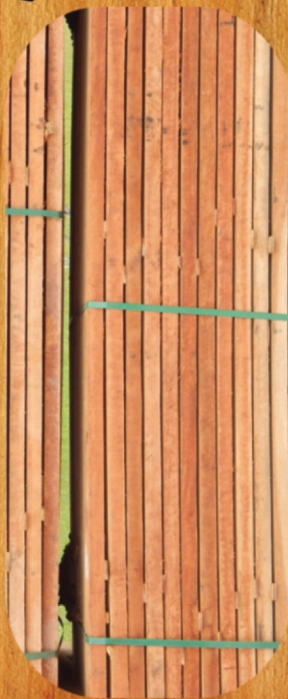
SPECIALIZES IN:-

GREENHEART, PURPLEHEART, LOCUST, CEDAR

AND

MIXED HARDWOOD LUMBER AND SQUARE

GREENHEART PILING



Offering you the best cost-effective solutions.



**FARFAN &
MENDES LTD.**

Q1 Providence, East Bank Demerara
Tel: 265-7445 | 226-8130

Find us on **f** facebook: <https://www.facebook.com/farfangroup>



**G S FOREST RESOURCES
SUPPORTING SUSTAINABLE FOREST
EXPORTER OF SAWN AND DRESSED
GREENHEART PILINGS
AND OTHER FOREST PRODUCTS**



FOR FURTHER INFORMATION
CONTACT US
AT
TEL: (592) 218-0085 / (592)626-7493
TEL: (592) 218-0054
Email: gsfr@guyana.net.gy





GUYANA FORESTRY COMMISSION

Tel: 592-226-7271-4 Fax: 592-226-8956 | www.forestry.gov.gy



KURUNDUNE LOGGING

**78 & 79 High and Cowan Streets,
Georgetown**

**Specializes in:
Greenheart, Purpleheart, Locust,
Kabukalli, Mora etc.
Rough and Dressed
Lumber**

**Tele- +592-226-9988
+592-646-5188
+592-669-1051**

PANEL DOORS
PURPLE HEART
HARD WOOD
PINE WOOD

LUMBER
LOCAL LUMBERS ROUGH & DRESSED
GREENHEART, KABAKALLI, MORA,
SILVERBALI, CRABWOOD ETC.

SPINDLES

PLYWOOD

MOULDINGS

TRANSPORTATION READILY AVAILABLE

PINEWOOD

CUPBOARD DOORS



BUILDERS LUMBER YARD

12 LOMBARD / 9-12 WATER & DE ROOY STREETS &
66 BENT STREET, WERK-EN-RUST, GEORGETOWN.

E-MAIL: BUILDERSLUMBERYARD@YAHOO.COM

TEL: 225-9530, 227-0904, 222-2420, 223 4041. FAX: 222-6623



**BECKLES AND
SONS
LUMBERYARD**
Dealers in all sizes
and species of
sawn timber
Tele:
**+592-2267230,
+5926191570**

GUY-AMERICA **FROM FOREST TO FURNITURE**

We are specialized in all types of furniture made from quality kiln dry lumber

BEDROOM SUITE

DINING ROOM SUITE

LIVING ROOM SUITE

BATH ROOM FURNITURE

KITCHEN CABINETS

OFFICE FURNITURE

OUTDOOR FURNITURE

STAIR CASE

PANEL/CUPBOARD DOORS



We also sell, prepare and install Granite

Contact us at :

165 Mandela Ave.
Georgetown
Tel: 225-7441
223-6181

17 Zeeburg W.C.D.
Georgetown
Tel: 277-0589
277-1121

52 Parika E.B.E
Tel: 260-4580
260-4068

email: guy-america@hotmail.com



Guyana/EUFLEGT & Benefits of a Voluntary Partnership Agreement (VPA) with the European Union



The VPA acts as a tool and can be used to foster discussions between a wide range of stakeholders with overlapping interests in the timber industry. These discussions can lead to cohesion between agencies within the different sectors. Typical examples of these stakeholders are Government, Private sector and Civil society. In these examples each group can be seen as beneficiaries in different ways with the vision of benefiting all stakeholders as well as having national interest.

Areas of benefit for Government:-

- Realise greater economic value of the forest resource.
- Enforce existing legislation.
- Raise funds for national coffers.
- Stem loss of revenue from illegal logging.
- Support and/or finance reform of the forest sector.
- Ensure accountability and transparency in decision making (land-use allocation).
- Improve country image and sector credibility.

Private sector on the other hand can realise benefits:-

- Secure and expand markets.
- Level the playing field by reducing unfair competition in the forest sector by enabling small-scale operators to compete with big companies.
- Clarify requirements and enhance control procedures to foster greater transparency.
- Foster better relationships with communities.
- Confirm the legal status of all operators.

Whilst Civil Society may aspire to:-

- Provide a platform for stakeholder participation.
- Recognise the rights of Indigenous Peoples.
- Recognise user rights and operators' responsibility to communities and overlapping sectors.
- Improve flow of benefits to communities.
- Improve access to information in the forest sector to enable sharing.
- Provision of resources for education, training and advancement in skills.
- Provision of scope for employment.
- Provision of opportunities for communities to become self-sufficient in managing their resources.



D. RAMPERSAUD SAWMILL AND LUMBERYARD

3 GOOD HOPE, E.C.D, GUYANA

**WE SPECIALISE IN HIGH QUALITY TIMBER-SAWN WOOD,
PILINGS, LOGS AND MILL CUTS.**



SPECIES INCLUDE:

**GREENHEART, PURPLEHEART,
KABUKALLI, SIMARUPA, MORA ETC.**



Telephone- +592-2206914

Email- Christina_r99@hotmail.com

Barama Company Limited

“Working with Guyana for Guyana”



Barama is the largest and leading forest resource and wood products Company established in Guyana since 1991.



Adopts best practices in its forest concession through Sustainable Forest Management (SFM) and currently holds the largest single block of tropical forest.



Integrated operations covering timber harvesting, plywood and veneer manufacturing and sawn timber.



Highly supportive of the utilisation of lesser used species by encouraging the use of species such as Dakamaballi, Burada, Baromalli and Limonaballi.

Barama Company Limited Plywood & Sawmilling Complex
Land of Canaan, East Bank Demerara, Guyana, S.A
Marketing Department: 266-5633 | 603-8398
Website: www.baramaguyana.com Email: djaisingh@baramaguyana.com

FUTURE FORWARD

To a more Progressive GUYANA

Serious about investing?

Let **GO-INVEST** be your strategic partner. We facilitate investments in all sectors of Guyana's economy which is ripe with opportunity.

Fiscal Incentives are offered by the Government of Guyana to encourage investment in the following sectors:

Agriculture, Energy, Forestry, ICT, Light Manufacturing, Mining, Tourism and Services.



GUYANA OFFICE FOR INVESTMENT

GO-INVEST

190 Camp and Church Streets, Georgetown, Guyana

Tel: +1592 225 0658, 227 0653/4. Fax: +1592 225 0655

www.goinvest.gov.gy Email: goinvest@goinvest.gov.gy

Looking for tropical quality lumber?
We'll make sure you get the best deal

We specialize in sawn lumber,
squares, sleepers, piling, dressed
lumber and mouldings in species
such as:

Greenheart
Washiba (ipe)
Purpleheart
Wamara
Kabukalli
And more

BHOLA'S SAWMILL

262-009719

bholasawmill@yahoo.com



Turada® Wallaba Shingles

The Untreated Alternative®

- Highest Fire Rated Wood Shingle
- Naturally Resistant to Insects and Decay
- Withstood Category 5 Hurricane Winds

- 50+ Year Lifespan
- No Chemical Treatments Required
- A GREEN building product



SSWP

Superior Shingles & Wood Products, Inc.

Tel: +592-261-3384 • Fax: +592-261-3385
Email: sswp@superiorshingles.com
Web site: www.SuperiorShingles.com

REFERENCE

Gerard, J; Miller, R. B. and ter Welle, B.J.H., 1996. *Major timber trees of Guyana: Timber characteristics and utilisation*. Tropenbos Series III. The Tropenbos Foundation. Wageningen.

Guyana Forestry Commission, *Guyana Woods: 21 Species*. Updated. Version 1. Guyana.

ITTO, Guyana Forestry Commission: *Lesser Utilised Species of Guyana* D.B Fanshawe, Forestry Bulletin No. 1 Third Edition, Forestry Department, 1961. *Principle Timbers*