



Appendices

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Appendices

Appendix 1: Origin and identification of recommended forage varieties.

Species	Variety name	Other identification	Country of origin
Grasses			
<i>Andropogon gayanus</i>	'Gamba'	❖ cv. Kent (Australia) ❖ CIAT 621 ❖ also released in many other countries	Nigeria
<i>Brachiaria brizantha</i>	'Karanga'	❖ CIAT 16835	Zimbabwe
	'Serengeti'	❖ CIAT 6387	Kenya
	'Marandu'	❖ cv. Marandu (Brazil) ❖ CIAT 6780, ILCA 16550 ❖ also released in many other countries	Zimbabwe
<i>Brachiaria decumbens</i>	'Basilisk'	❖ cv. Basilisk (Australia) ❖ CIAT 606 ❖ also released in many other countries	Uganda
<i>Brachiaria humidicola</i>	'Yanero'	❖ cv. Llanero (Colombia) ❖ CIAT 6133 ❖ also released in many other countries	Zimbabwe
<i>Brachiaria humidicola</i>	'Tully'	❖ cv. Tully (Australia) ❖ CIAT 679 ❖ also released in many other countries	Origin uncertain; introduced to Australia from South Africa
<i>Brachiaria mutica</i>	'Para'	❖ naturalised throughout Southeast Asia	Origin uncertain; probably tropical Africa
<i>Brachiaria ruziziensis</i>	'Ruzi'	❖ cv. Kennedy (Australia)	Rwanda
<i>Digitaria milanjiana</i>	'Jarra'	❖ cv. Jarra (Australia)	Malawi
<i>Panicum maximum</i>	'Tobiata'	❖ cv. Tobiata (Brazil) ❖ CIAT 6299	Kenya
	'Si Muang'	❖ T-58 'Purple Guinea' (Thailand) ❖ cv. Tanzania 1 (Brazil) ❖ CIAT 16031, ILCA 16554	Ivory Coast

Species	Variety name	Other identification	Country of origin
Grasses			
<i>Paspalum atratum</i>	'Terenos'	❖ BRA 9610, CIAT 26986 ❖ cv. Hi Gane (Australia) ❖ cv. Suerte (USA)	Brazil
<i>Paspalum guenoarum</i>	'Bela Vista'	❖ BRA 3824, CIAT 26985	Brazil
<i>Pennisetum purpureum</i>	'Napier'	❖ many local varieties	Tropical Africa
	'Mott'	❖ cv. Mott (USA)	Bred variety; parent lines originally from tropical Africa
<i>P. purpureum</i> x <i>P. glaucum</i> hybrid	'King'	❖ King grass (Indonesia) ❖ many similar hybrids available (eg. Florida napier in the Philippines)	Bred variety; parent lines originally from tropical Africa
<i>Setaria sphacelata</i>	'Solander'	❖ cv. Solander (Australia)	Bred variety; parent lines originally from tropical Africa
<i>S. sphacelata</i> var. <i>splendida</i>	'Lampung'	❖ 'Splendida' (Indonesia) ❖ CPI 15899	Sterile hybrid; Tropical Africa
<i>Stenotaphrum secundatum</i>	'Vanuatu'	❖ naturalised in Vanuatu	Southern Africa
Legumes			
<i>Arachis pintoi</i>	'Itacambira'	❖ CIAT 22160	Brazil
	'Amarillo'	❖ cv. Amarillo (Australia) ❖ CIAT 17434 ❖ also released in many other countries	Brazil
<i>Calliandra calothyrsus</i>	'Besakih'	❖ naturalised in Indonesia ❖ CPI 115690	Central America; possibly Guatemala
<i>Centrosema macrocarpum</i>	'Ucayali'	❖ CIAT 25522 ❖ cv. Ucayali (Peru)	Composite of several lines from Brazil, Colombia and Venezuela
<i>Centrosema pascuorum</i>	'Cavalcade'	❖ cv. Cavalcade (Australia)	Bred variety; parent lines originally from Brazil
<i>Centrosema pubescens</i>	'Barinas'	❖ CIAT 15160	Venezuela
<i>Codariocalyx gyroides</i>	'Belize'	❖ CIAT 3001; ILCA 14924	Donated by Belize

Species	Variety name	Other identification	Country of origin
Legumes			
<i>Desmanthus virgatus</i>	'Chaland'	✿ 'Maiyara' (Thailand) ✿ CPI 52401	Mauritius; originally from South America
<i>Desmodium cinerea</i> (previously <i>D. rensonii</i>)	'Las Delicias'	✿ 'Rensoni' (MBRLC, Philippines) ✿ CPI 46562	Guatemala
<i>Flemingia macrophylla</i>	'Chumphon'	✿ CIAT 17403	Thailand
<i>Gliricidia sepium</i>	'Belen Rivas'	✿ 'Belen Rivas' has been distributed widely by the Oxford Forestry Institute (UK)	Nicaragua
	'Retalhuleu'	✿ 'Retalhuleu' has been distributed widely by the Oxford Forestry Institute (UK)	Guatemala
<i>Leucaena leucocephala</i>	'K 584'	✿ 'K 584' has been selected by the University of Hawaii (USA)	Mexico
	'K 636'	✿ cv. Tarramba (Australia) ✿ 'K 636' has been selected by the University of Hawaii (USA)	Selection from seed collected in Mexico
<i>Macroptilium gracile</i>	'Maldonado'	✿ cv. Maldonado (Australia)	Venezuela
<i>Sesbania grandiflora</i>	'Turi'	✿ naturalised throughout Southeast Asia	Origin uncertain; probably Indonesia or India
<i>Stylosanthes guianensis</i>	'Stylo 184'	✿ cv. Pucallpa (Peru) ✿ CIAT 184 ✿ cv. Reyen II Zhuhuacao also released in many other countries	Colombia
<i>Stylosanthes hamata</i>	'Verano'	✿ cv. Verano (Australia)	Venezuela

Appendix 2: Where can we get planting material of these varieties?

The forage varieties described in this booklet are being used by national research and development (R&D) organizations in Southeast Asia to help smallholder farmers improve their livestock and farming systems. If you are looking for planting material of the forage varieties described in this booklet the best first contacts

are listed below. Although these addresses and contact names will change with time, they will guide you in the right direction to find the planting material you want.

An updated contact list can be viewed on the CIAT Internet site <<http://www.ciat.cgiar.org>>.

Thailand

Division of Animal Nutrition
Department of Livestock Development
Phya Thai Road
Bangkok 10400
Thailand
Tel: (66 2) 251 1941
Current contact: Chaisang Phaikaew

Pakchong Animal Nutrition Research Center
Pakchong
Nakornratchasima 30130
Thailand
Tel: (66 44) 311 612
Current contact: Ganda Nakamane

Philippines

Livestock Research Division
PCARRD
P.O. Box 425
4030 Los Baños, Laguna
Philippines
Tel: (63 49) 536 0014
Current contact: Ed Magboo

FARMI,
Visayas State College of Agriculture
6521-A Baybay,
Leyte
Tel: (63 53) 536 2433
Current contact: Edwin Balbarino

Indonesia

Bina Produksi
Direktorat Jenderal Peternakan
Departemen Pertanian
Jalan Harsono, Rm. No. 3
Jakarta Selatan 12550
Indonesia
Tel: (62 21) 781 5686
Current contact: Maimunah Tuhulele

Balai Pengkajian Teknologi Pertanian
BPTP Gedong Johor
Jalan Karyayasa No. 1B
Medan, North Sumatra 20143
Tel: (62 61) 787 0710
Current contact: Tatang Ibrahim

Dinas Peternakan TK. 1 Kaltim
Jalan Bhayangkara No. 54,
Samarinda, East Kalimantan 75121
Indonesia
Tel: (62 541) 43921
Current contact: Ibrahim

Vietnam

National Institute of Animal Husbandry
Ministry of Agriculture and Rural Development
Thuy Phuong, Tu Liem
Hanoi
Tel: (84 4) 834 4775
Current contact: Le Hoa Binh

Tay Nguyen University
Highway No. 14, Km 4
Buon Ma Thuot, Daklak
Tel: (84 50) 853 781
Current contact: Truong Tan Khanh

College of Agriculture & Forestry
Thu Duc
Ho Chi Minh City
Tel: (84 8) 896 3353
Current contact: Bui Xuan An

Hue University of Agriculture & Forestry
Centre for Rural Development in Central Vietnam
24 Phung Hung St.
Hue
Tel: (84 54) 525 049
Current contact: Le Van An

Lao PDR

Nam Suang Livestock Research and Development
Centre,
National Agriculture and Forestry Research Institute
Ministry of Agriculture and Forestry
Vientiane
Tel: (856 21) 222 796
Current contacts:
Viengsavanh Phimpachanhvongsod,
Phonpaseuth Phengsavanh

China

Tropical Pasture Research Center
CATAS
Danzhou 571737
Hainan
Tel: (86 890) 330 0440
Current contact: Liu Guodao

Malaysia

Livestock Research Centre
MARDI
G.P.O. Box 12301
50774 Kuala Lumpur
Tel: (60 3) 943 7335
Current contact: Wong Choi Chee

For general enquiries:

CIAT Regional Office
c/o IRRI
Makati Central P.O. Box 3127
1271 Makati City
Philippines
Tel: (63 2) 845 0563
Current contacts: Peter Kerridge
Francisco Gabunada Jr.