

# Appendices

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# Appendices

## Appendix 1: Origin and identification of recommended forage varieties.

| Species                       | Variety name | Other identification   | Country of origin   |
|-------------------------------|--------------|--|---|
| <b>Grasses</b>                |              |  |   |
| <i>Andropogon gayanus</i>     | 'Gamba'      | ☼ cv. Kent (Australia)<br>☼ CIAT 621<br>☼ also released in many other countries              | Nigeria   |
| <i>Brachiaria brizantha</i>   | 'Karanga'    | ☼ CIAT 16835   | Zimbabwe  |
|                               | 'Serengeti'  | ☼ CIAT 6387  | Kenya   |
|                               | 'Marandu'    | ☼ cv. Marandu (Brazil)<br>☼ CIAT 6780, ILCA 16550<br>☼ also released in many other countries | Zimbabwe  |
| <i>Brachiaria decumbens</i>   | 'Basilisk'   | ☼ cv. Basilisk (Australia)<br>☼ CIAT 606<br>☼ also released in many other countries          | Uganda  |
| <i>Brachiaria humidicola</i>  | 'Yanero'     | ☼ cv. Llanero (Colombia)<br>☼ CIAT 6133<br>☼ also released in many other countries           | Zimbabwe  |
| <i>Brachiaria humidicola</i>  | 'Tully'      | ☼ cv. Tully (Australia)<br>☼ CIAT 679<br>☼ 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)<br>☼ CIAT 6299  | Kenya   |
|                               | 'Si Muang'   | ☼ T-58 'Purple Guinea' (Thailand)<br>☼ cv. Tanzania 1 (Brazil)<br>☼ CIAT 16031, ILCA 16554   | Ivory Coast   |

| Species   | Variety name | Other identification   | Country of origin   |
|---|--------------|--|---|
| <b>Grasses</b>                                    |              |  |   |
| <i>Paspalum atratum</i>                           | 'Terenos'    | ☼ BRA 9610, CIAT 26985<br>☼ cv. Hi Gane (Australia)<br>☼ cv. Suerte (USA)                                    | Brazil  |
| <i>Paspalum guenoarum</i>                         | 'Bela Vista' | ☼ BRA 3824, CIAT   | Brazil  |
| <i>Pennisetum purpureum</i>                       | 'Napier'     | ☼ many local varieties   | Tropical Africa   |
|   | 'Mott'       | ☼ cv. Mott (USA)   | Bred variety;<br>parent lines originally<br>from tropical Africa        |
| <i>P. purpureum</i> x<br><i>P. glaucum</i> hybrid | 'King'       | ☼ King grass (Indonesia)<br>☼ many similar hybrids<br>available (eg. Florida<br>napier from tropical Africa) | Bred variety;<br>parent lines originally<br>in the Philippines)         |
| <i>Setaria sphacelata</i>                         | 'Solander'   | ☼ cv. Solander (Australia)   | Bred variety;<br>parent lines originally<br>from tropical Africa        |
| <i>S. sphacelata</i> var. <i>splendida</i>        | 'Lampung'    | ☼ 'Splendida' (Indonesia)<br>☼ CPI 15899   | Sterile hybrid;<br>Tropical Africa                                      |
| <i>Stenotaphrum secundatum</i>                    | 'Vanuatu'    | ☼ naturalised in Vanuatu   | Southern Africa   |
| <b>Legumes</b>                                    |              |  |   |
| <i>Arachis pintoi</i>                             | 'Itacambira' | ☼ CIAT 22160   | Brazil  |
|   | 'Amarillo'   | ☼ cv. Amarillo (Australia)<br>☼ CIAT 17434<br>☼ also released in many<br>other countries                     | Brazil  |
| <i>Calliandra calothyrsus</i>                     | 'Besakih'    | ☼ naturalised in Indonesia<br>☼ CPI 115690   | Central America;<br>possibly Guatemala                                  |
| <i>Centrosema macrocarpum</i>                     | 'Ucayali'    | ☼ CIAT 25522<br>☼ cv. Ucayali (Peru)   | Composite of several<br>lines from Brazil,<br>Colombia and<br>Venezuela |
| <i>Centrosema pascuorum</i>                       | 'Cavalcade'  | ☼ cv. Cavalcade (Australia)  | Bred variety;<br>parent lines originally<br>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                             |
|--|----------------|--|---|
| <b>Legumes</b>   |                |  |   |
| <i>Desmanthus virgatus</i>                                   | 'Chaland'      | ☼ 'Maiyara' (Thailand)<br>☼ CPI 52401  | Mauritius; Originally from South America      |
| <i>Desmodium cinerea</i><br>(previously <i>D. rensonii</i> ) | 'Las Delicias' | ☼ 'Rensoni'<br>(MBRLC, Philippines)<br>☼ 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)<br>☼ '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)<br>☼ CIAT 184<br>☼ cv. Reyén II Zhuhuacao<br>☼ 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 Nakamanee

### **Philippines**

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

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

### **Indonesia**

Bina Produksi  
Direktorat Jenderal Peternakan  
Departmen 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  
Hainan, Danzhou 571737  
Tel: (86 890) 330 0440  
Current contact: Liu Guodao

#### **Malaysia**

Livestock Research Centre  
MARDI  
G.P.O. Box 12301  
50774 Kuala Lumpur  
Malaysia  
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.

