



Final report on the characterization and evaluation of 31 accessions of the Taxonomic Reference Collection (TRC)

Centre Africain de Recherche sur Bananiers et Plantains (CARBAP), Cameroon

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1. Introduction

The four outputs proposed in the Global Conservation Strategy for *Musa* developed in 2006 include:

- genetic diversity is comprehensively characterized and documented, and
- taxonomy is harmonized and collections are rationalized

Since then a minimum set of descriptors, photos and a Taxonomic Reference Collection (TRC) was developed by the Taxonomy Advisory Group (TAG) of MusaNet (www.musanet.org), the Global *Musa* Genetic Resources Network. The minimum set of descriptors and photos were used to characterize the TRC planted at 12 partner collections across the globe, representing a wide range of different environments. This report documents the characterization of the TRC at the Centre Africain de Recherche sur Bananiers et Plantains (CARBAP) in Cameroon.

2. Site of implementation

The CARBAP collection is located in Njombé research station in the Littoral region of Cameroon (Altitude: 80 masl, Latitude: 04° 35' N, Longitude: 09° 39' E, Soil type: Andosol). Njombé lies in a tropical rainforest agro-ecological zone with a monomodal rainfall pattern having an annual rainfall of 2436 mm/year. The mean temperature for the location is 27°C.

3. The TRC accessions

The Taxonomic Reference Collection (TRC) is a set of 31 accessions representing the main subgroups of cultivated bananas and the two wild species that are the origin of most domesticated bananas, *Musa acuminata* and *Musa balbisiana*. The TRC was selected by the Taxonomy Advisory Group (TAG) of MusaNet in 2008 in order to represent as much as possible the entire spectrum of edible banana diversity and to serve as a tool to help resolve some taxonomic issues, improve the usability of the morphological characterization descriptors and train students, curators and breeders in banana diversity.

4. Planting layout, distances and data collection

At CARBAP, 5 sword suckers per accession were collected from the old collection and planted in June 2013 for the regeneration of the new collection. The layout is 2.5-meter space between plants in each row and 3 meters between rows. Morpho-taxonomic, agronomic and post-harvest data was collected on the 5 plants of each accession.

4. Agronomic practices:

Collection management practices were based on the standards found in the Regeneration Guidelines for Banana (Tomekpe and Fondi, 2008). NPK (25-03-25) fertilizer was applied at a monthly rate of 80 g per plant from planting to harvest. Weed control was done both manually and chemically. Nematode control was done using Counter 15 FC (terbufos) at a rate of 20g per plant every three months while platima 700 WG (Imidachloprid) at the rate of 0.75 kg / ha was used to control nematodes and weevils. Monthly leaf pruning was done to eliminate withered leaves and reduce leaf disease pressure. De-suckering was done regularly to maintain a single successor so as to maintain initial planting layout.

LIST OF TAXONOMICAL REFERENCE ACCESSIONS

	ITC code	Accession name	Species or Genomic group	Subspecies or Subgroup
1	ITC0084	Mbwazirume	AAA	Mutika/Lujugira (cooking)
2	ITC0121	Ihitisim	AAB	Plantain-Horn
3	ITC0123	Simili Radjah	ABB	Peyan
4	ITC0245	Safet Velchi	ABcv	Ney Poovan
5	ITC0247	Honduras	balbisiana	type 1
6	ITC0249	Calcutta 4	acuminata	burmannicoides
7	ITC0277	Leite	AAA	Rio
8	ITC0312	Pisang Jari Buaya	AA	Pisang Jari Buaya
9	ITC0361	Blue Java	ABB	Ney Mannan
10	ITC0472	Pelipita	ABB	Pelipita
11	ITC0519	Obubit Ntanga green mutant	AAB	Plantain- French sombre
12	ITC0587	Pisang Rajah	AAB	Pisang Raja
13	ITC0649	Foconah	AAB	Pome / Prata
14	ITC0653	Pisang Mas	AA	Sucrier
15	ITC0654	Petite Naine	AAA	Cavendish
16	ITC0659	Namwa Khom	ABB	Pisang Awak
17	ITC0662	Khai Thong Ruang	AAA	Ibota
18	ITC0766	Paliama	acuminata	banksii
19	ITC0767	Dole	ABB	Bluggoe
20	ITC0769	Figue Pomme Géante	AAB	Silk
21	ITC0825	Uzakan	AAB	Iholena
22	ITC1120	Tani	balbisiana	
23	ITC1121	Pisang Lilin	AA	Pisang Lilin
24	ITC1122	Gros-Michel	AAA	Gros Michel
25	ITC1169	Mai'a Popo'ulu Moa	AAB	Maia Maoli/Popoulu
26	ITC1177	Zebrina	acuminata	zebrina
27	ITC1187	Tomolo	AA	Cooking AA
28	ITC1287	Pisang Berangan	AAA	Philippine Lacatan/Sgr. 555
29	ITC1325	Orishele	AAB	Plantain-False Horn
30	ITC1441	Pisang Ceylan	AAB	Mysore
31	ITC1483	Monthan	ABB	Monthan

Passport

ITC code :	ITC0084
Genus :	<i>Musa</i>
Section :	Eumusa
Genotype :	AAA
Subgroup :	Mutika/Lujugira (cooking)
Origin :	Burundi
Institute recording:	CARBAP
Curator :	Lucien IBOBONDJI

Descriptors

6.2.1 Pseudostem height (m) :	2.1-2.9
6.2.3 Pseudostem colour :	Medium green
6.2.5 Predominant underlying colour of the pseudostem :	Green
6.2.7 Sap colour :	Watery
6.2.10 Development of suckers :	> ¼ and ¾ < of the height of the Parent plant
6.3.1 Blotches at the petiole base :	Large blotches
6.3.2 Blotches colour :	Brown-black
6.3.3 Petiole canal of the III leaf :	Open with margins spreading
6.3.4 Petiole margins :	Winged and not clasping the pseudostem
6.3.6 Petiole margin colour :	Green
6.3.7 Edge of petiole margin :	Colourless
6.3.14 Colour of leaf lower surface :	Medium green
6.3.22 Colour of outer surface of cigar leaf :	Green

Inflorescence / male bud

6.4.1 Penduncle length (cm) :	≤ 30
6.4.2 Empty nodes on peduncle :	1
6.4.4 Penduncle colour :	Medium green
6.4.6 Bunch position :	Hanging at angle 45°
6.4.7 Bunch Shape :	Cylindrical
6.4.8 Bunch appearance :	Lax
6.4.12 Rachis position :	Falling vertically
6.4.13 Rachis appearance :	Neutral/male flowers and presence Withered bracts
6.4.14 Male bud type :	Normal (present)
6.4.15 Male bud shape :	like a top
6.4.16 Male bud size at harvest (cm) :	≤ 20

Bract

6.5.2 Bract apex shape :	Intermediate
6.5.3 Bract imbrication :	Young bracts slightly overlap
6.5.4 Colour of the bract external face :	Purple-green
6.5.5 Colour of the bract internal face :	Green-red
6.5.6 Colour on the bract apex :	No tinted with yellow
6.5.11 Male bract lifting :	Lifting two or more at a time
6.5.12 Bract behavior before falling :	Revolute

Male flower

6.6.1 Male flower behaviour :	Falling after the bract
6.6.2 Compound tepal basic colour :	Cream
6.6.3 Compound tepal pigmentation :	No sign of pigmentation
6.6.4 Lobe colour of compound tepal :	Yellow
6.6.13 Anther colour :	Yellow
6.6.24 Dominant colour of male flower :	Cream

Fruit

6.7.1 Fruit position :	Curved upward
6.7.2 Number of fruits on third hand:	18
6.7.4 Fruit shape :	Straight (or slightly curved)
6.7.5 Transverse section of fruit :	Slightly ridged
6.7.6 Fruit apex :	Lengthily pointed
6.7.7 Remains of flower relicts at fruit apex :	Persistent style
6.7.8 Fruit pedicel length (mm) :	11-20
6.7.11 Fusion of pedicels :	Partially fused

Evaluation

7.1 Cycle under evaluation :	1 & 2
7.2 Number of plants evaluated :	5
7.3 Planting to shooting (days) :	260- 310
7.4 Plant crop cycle (days) :	320-368
7.7 Pseudostem girth at 1m (cm) :	40-46
7.8 Height of following ratoon (m) :	1.4-1.6
7.9 Bunch weight (Kg) :	15 - 22
7.10 Number of hands :	6 - 8
7.11 Number of fruits :	90-130
7.12 Fruit length (cm) :	15-18
7.14 Fruit weight (g) :	12-14
7.15 Number of living leaves at flowering :	7-9
7.16 Number of living leaves at harvest :	1-4



Passport

ITC code :	ITC0121
Genus :	<i>Musa</i>
Section :	Eumusa
Genotype :	AAB
Subgroup :	Plantain-Horn
Origin :	Nigeria
Institute recording:	CARBAP
Curator :	Lucien IBOBONDJI

Descriptors

6.2.1 Pseudostem height (m) :	3.2 - 3.5
6.2.3 Pseudostem colour :	Green yellow
6.2.5 Predominant underlying colour of the pseudostem :	Light Green
6.2.7 Sap colour :	Watery
6.2.10 Development of suckers :	> ¼ and ¾ < of the height of the Parent plant
6.3.1 Blotches at the petiole base :	Small blotches
6.3.2 Blotches colour :	Dark-brown
6.3.3 Petiole canal of the III leaf :	Margins curved inward
6.3.4 Petiole margins :	Winged and not clasping the pseudostem
6.3.6 Petiole margin colour :	Pink/purple to red
6.3.7 Edge of petiole margin :	With a colour line along
6.3.14 Colour of leaf lower surface :	Medium green
6.3.22 Colour of outer surface of cigar leaf :	Green

Inflorescence / male bud

6.4.1 Penduncle length (cm) :	31 - 60
6.4.2 Empty nodes on peduncle :	1
6.4.4 Penduncle colour :	Medium green
6.4.6 Bunch position :	Hanging at angle 45°
6.4.7 Bunch Shape :	Asymetric
6.4.8 Bunch appearance :	Lax
6.4.12 Rachis position :	--
6.4.13 Rachis appearance :	--
6.4.14 Male bud type :	Like true-horn 'Plantain' (Absent)
6.4.15 Male bud shape :	--
6.4.16 Male bud size at harvest (cm) :	--

Bract

6.5.2 Bract apex shape :	--
6.5.3 Bract imbrication :	--
6.5.4 Colour of the bract external face :	--
6.5.5 Colour of the bract internal face :	--
6.5.6 Colour on the bract apex :	--
6.5.11 Male bract lifting :	--
6.5.12 Bract behavior before falling :	--

Male flower

6.6.1 Male flower behaviour :	--
6.6.2 Compound tepal basic colour :	--
6.6.3 Compound tepal pigmentation :	--
6.6.4 Lobe colour of compound tepal :	--
6.6.13 Anther colour :	--
6.6.24 Dominant colour of male flower :	--

Fruit

6.7.1 Fruit position :	Perpendicular to the stalk
6.7.2 Number of fruits on third hand:	12
6.7.4 Fruit shape :	Slightly curved
6.7.5 Transverse section of fruit :	Pronounced ridges
6.7.6 Fruit apex :	Lengthily pointed
6.7.7 Remains of flower relicts at fruit apex :	Base of the style prominent
6.7.8 Fruit pedicel length (mm) :	≥ 21
6.7.11 Fusion of pedicels :	Partially fused

Evaluation

7.1 Cycle under evaluation :	1 & 2
7.2 Number of plants evaluated :	5
7.3 Planting to shooting (days) :	304 - 334
7.4 Plant crop cycle (days) :	392 - 432
7.7 Pseudostem girth at 1m (cm) :	69 - 76
7.8 Height of following ratoon (m) :	2.4 - 2.75
7.9 Bunch weight (Kg) :	15 - 25
7.10 Number of hands :	3 - 5
7.11 Number of fruits :	23 - 35
7.12 Fruit length (cm) :	26 - 32
7.14 Fruit weight (g) :	420 - 450
7.15 Number of living leaves at flowering :	7 - 11
7.16 Number of living leaves at harvest :	0 - 3



Passport

ITC code :	ITC0123
Genus :	<i>Musa</i>
Section :	Eumusa
Genotype :	ABB
Subgroup :	Peyan
Origin :	India
Institute recording:	CARBAP
Curator :	Lucien IBOBONDJI

Descriptors

6.2.1 Pseudostem height (m) :	4.3 – 4.6
6.2.3 Pseudostem colour :	Green yellow
6.2.5 Predominant underlying colour of the pseudostem :	Light Green
6.2.7 Sap colour :	Watery
6.2.10 Development of suckers :	> ¾ of the height of the parent
6.3.1 Blotches at the petiole base :	Sparse blotching
6.3.2 Blotches colour :	Dark-brown
6.3.3 Petiole canal of the III leaf :	Straight with erect margins
6.3.4 Petiole margins :	Winged and clasping the pseudostem
6.3.6 Petiole margin colour :	Green
6.3.7 Edge of petiole margin :	Colourless
6.3.14 Colour of leaf lower surface :	Medium green
6.3.22 Colour of outer surface of cigar leaf :	Green

Inflorescence / male bud

6.4.1 Penduncle length (cm) :	31-60
6.4.2 Empty nodes on peduncle :	two or more
6.4.4 Penduncle colour :	Green
6.4.6 Bunch position :	Hanging vertically
6.4.7 Bunch Shape :	Cylindrical
6.4.8 Bunch appearance :	Lax
6.4.12 Rachis position :	Falling vertically
6.4.13 Rachis appearance :	Bare
6.4.14 Male bud type :	Normal (present)
6.4.15 Male bud shape :	Lanceolate
6.4.16 Male bud size at harvest (cm) :	21-30

Bract

6.5.2 Bract apex shape :	Obtuse
6.5.3 Bract imbrication :	Young bracts slightly overlap
6.5.4 Colour of the bract external face :	Purple-brown
6.5.5 Colour of the bract internal face :	Orange-red
6.5.6 Colour on the bract apex :	Tinted with yellow
6.5.11 Male bract lifting :	Lifting one at a time
6.5.12 Bract behavior before falling :	Revolute

Male flower

6.6.1 Male flower behaviour :	Falling before the bract
6.6.2 Compound tepal basic colour :	Cream
6.6.3 Compound tepal pigmentation :	Presence of pink
6.6.4 Lobe colour of compound tepal :	Yellow
6.6.13 Anther colour :	Cream
6.6.24 Dominant colour of male flower :	Pink

Fruit

6.7.1 Fruit position :	Curved upward
6.7.2 Number of fruits on third hand:	15
6.7.4 Fruit shape :	Straight (or slightly curved)
6.7.5 Transverse section of fruit :	Pronounced ridges
6.7.6 Fruit apex :	Pointed
6.7.7 Remains of flower relicts at fruit apex :	Base of the style prominent
6.7.8 Fruit pedicel length (mm) :	≥ 21
6.7.11 Fusion of pedicels :	Partially fused

Evaluation

7.1 Cycle under evaluation :	1 & 2
7.2 Number of plants evaluated :	5
7.3 Planting to shooting (days) :	310 - 365
7.4 Plant crop cycle (days) :	420 - 470
7.7 Pseudostem girth at 1m (cm) :	65 - 77
7.8 Height of following ratoon (m) :	3.2 – 3.5
7.9 Bunch weight (Kg) :	22 - 36
7.10 Number of hands :	9 - 11
7.11 Number of fruits :	130-183
7.12 Fruit length (cm) :	16 - 18
7.14 Fruit weight (g) :	150 - 200
7.15 Number of living leaves at flowering :	10 - 11
7.16 Number of living leaves at harvest :	3 - 5



Passport

ITC code :	ITC0245
Genus :	<i>Musa</i>
Section :	Eumusa
Genotype :	ABcv
Subgroup :	Ney poovan
Origin :	India
Institute recording:	CARBAP
Curator :	Lucien IBOBONDJI

Descriptors

6.2.1 Pseudostem height (m) :	3.3 – 3.5
6.2.3 Pseudostem colour :	Yellow green
6.2.5 Predominant underlying colour of the pseudostem :	Light Green
6.2.7 Sap colour :	Watery
6.2.10 Development of suckers :	Taller than parent plant
6.3.1 Blotches at the petiole base :	Sparse blotching
6.3.2 Blotches colour :	Brown
6.3.3 Petiole canal of the III leaf :	Margins curved inward
6.3.4 Petiole margins :	Winged and clasping the pseudostem
6.3.6 Petiole margin colour :	Green
6.3.7 Edge of petiole margin :	With a colour line along
6.3.14 Colour of leaf lower surface :	Medium green
6.3.22 Colour of outer surface of cigar leaf :	Green

Inflorescence / male bud

6.4.1 Penduncle length (cm) :	≥ 30
6.4.2 Empty nodes on peduncle :	1
6.4.4 Penduncle colour :	Green
6.4.6 Bunch position :	Hanging at angle 45°
6.4.7 Bunch Shape :	Cylindrical
6.4.8 Bunch appearance :	Lax
6.4.12 Rachis position :	With a curve
6.4.13 Rachis appearance :	Bare
6.4.14 Male bud type :	Normal (present)
6.4.15 Male bud shape :	Lanceolate
6.4.16 Male bud size at harvest (cm) :	≤ 20

Bract

6.5.2 Bract apex shape :	Intermediate
6.5.3 Bract imbrication :	Young bracts slightly overlap
6.5.4 Colour of the bract external face :	Red-purple
6.5.5 Colour of the bract internal face :	Red
6.5.6 Colour on the bract apex :	No tinted with yellow
6.5.11 Male bract lifting :	Lifting one at a time
6.5.12 Bract behavior before falling :	Revolute

Male flower

6.6.1 Male flower behaviour :	Falling after the bract
6.6.2 Compound tepal basic colour :	Cream
6.6.3 Compound tepal pigmentation:	Presence of pink
6.6.4 Lobe colour of compound tepal :	Yellow
6.6.13 Anther colour :	Cream
6.6.24 Dominant colour of male flower :	Pink/ cream

Fruit

6.7.1 Fruit position :	Perpendicular to the stalk
6.7.2 Number of fruits on third hand:	16
6.7.4 Fruit shape :	Straight in the distal part
6.7.5 Transverse section of fruit :	Pronounced ridges
6.7.6 Fruit apex :	Bottle-necked
6.7.7 Remains of flower relicts at fruit apex :	Base of the style prominent
6.7.8 Fruit pedicel length (mm) :	≥ 21
6.7.11 Fusion of pedicels :	Partially fused

Evaluation

7.1 Cycle under evaluation :	1 & 2
7.2 Number of plants evaluated :	5
7.3 Planting to shooting (days) :	223-250
7.4 Plant crop cycle (days) :	320 - 350
7.7 Pseudostem girth at 1m (cm) :	52 - 71
7.8 Height of following ratoon (m) :	1.9 – 2.9
7.9 Bunch weight (Kg) :	10 - 20
7.10 Number of hands :	9 - 14
7.11 Number of fruits :	135 - 218
7.12 Fruit length (cm) :	10 - 12
7.14 Fruit weight (g) :	60 - 80
7.15 Number of living leaves at flowering :	9 - 12
7.16 Number of living leaves at harvest :	0 - 2



Passport

ITC code :	ITC0247
Genus :	<i>Musa</i>
Section :	Eumusa
Species :	<i>Balbisiana</i>
Subspecies :	type 1
Origin :	South East Asia
Institute recording:	CARBAP
Curator :	Lucien IBOBONDJI

Descriptors

6.2.1 Pseudostem height (m) :	≥ 3.
6.2.3 Pseudostem colour :	Dark-green
6.2.5 Predominant underlying colour of the pseudostem :	Green
6.2.7 Sap colour :	Watery
6.2.10 Development of suckers :	> ¾ of the height of the Parent plant
6.3.1 Blotches at the petiole base :	Without pigmentation
6.3.2 Blotches colour :	--
6.3.3 Petiole canal of the III leaf :	Margins curved inward
6.3.4 Petiole margins :	Not winged and clasping the pseudostem
6.3.6 Petiole margin colour :	Green
6.3.7 Edge of petiole margin :	Colourless
6.3.14 Colour of leaf lower surface :	Medium green
6.3.22 Colour of outer surface of cigar leaf :	Green

Inflorescence / male bud

6.4.1 Penduncle length (cm) :	31-60
6.4.2 Empty nodes on peduncle :	1
6.4.4 Penduncle colour :	Dark-green
6.4.6 Bunch position :	Hanging at angle 45°
6.4.7 Bunch Shape :	Cylindrical
6.4.8 Bunch appearance :	Very compact
6.4.12 Rachis position :	Falling vertically
6.4.13 Rachis appearance :	Bare
6.4.14 Male bud type :	Normal (present)
6.4.15 Male bud shape :	Intermediate
6.4.16 Male bud size at harvest (cm) :	≤ 20

Bract

6.5.2 Bract apex shape :	Obtuse
6.5.3 Bract imbrication :	Young bracts slightly overlap
6.5.4 Colour of the bract external face :	Purple-brown
6.5.5 Colour of the bract internal face :	Red-purple
6.5.6 Colour on the bract apex :	Tinted with yellow
6.5.11 Male bract lifting :	Lifting two or more at a time
6.5.12 Bract behavior before falling :	Not Revolute

Male flower

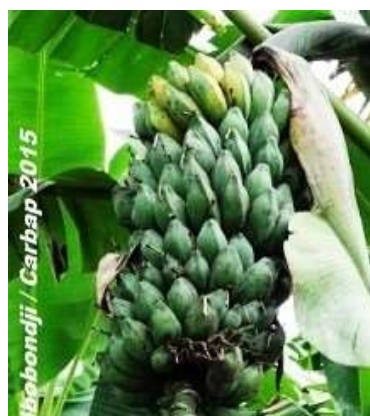
6.6.1 Male flower behaviour :	Falling before the bract
6.6.2 Compound tepal basic colour :	Pink
6.6.3 Compound tepal pigmentation :	Presence of pink
6.6.4 Lobe colour of compound tepal :	Yellow
6.6.13 Anther colour :	Cream
6.6.24 Dominant colour of male flower :	Pink-purple

Fruit

6.7.1 Fruit position :	Curved upward
6.7.2 Number of fruits on third hand:	18
6.7.4 Fruit shape :	Straight (or slightly curved)
6.7.5 Transverse section of fruit :	Slightly ridged
6.7.6 Fruit apex :	Pointed
6.7.7 Remains of flower relicts at fruit apex :	Base of the style prominent
6.7.8 Fruit pedicel length (mm) :	11-20
6.7.11 Fusion of pedicels :	Partially fused

Evaluation

7.1 Cycle under evaluation :	1 & 2
7.2 Number of plants evaluated :	5
7.3 Planting to shooting (days) :	303 - 350
7.4 Plant crop cycle (days) :	440 - 500
7.7 Pseudostem girth at 1m (cm) :	71 -85
7.8 Height of following ratoon (m) :	3.2-4.7
7.9 Bunch weight (Kg) :	25 -35
7.10 Number of hands :	15-18
7.11 Number of fruits :	265-330
7.12 Fruit length (cm) :	12-15
7.14 Fruit weight (g) :	90-110
7.15 Number of living leaves at flowering :	14 - 16
7.16 Number of living leaves at harvest :	7 - 9



Passport

ITC code :	ITC0249
Genus :	<i>Musa</i>
Section :	Eumusa
Species :	<i>Acuminata</i>
Subspecies :	<i>Burmannicoides</i>
Origin :	South East Asia
Institute recording:	CARBAP
Curator :	Lucien IBOBONDJI

Descriptors

6.2.1 Pseudostem height (m) :	2.5 - 2.9
6.2.3 Pseudostem colour :	Green
6.2.5 Predominant underlying colour of the pseudostem :	Green
6.2.7 Sap colour :	Watery
6.2.10 Development of suckers :	> ¾ of the height of the Parent plant
6.3.1 Blotches at the petiole base :	Large blotches
6.3.2 Blotches colour :	Brown-black
6.3.3 Petiole canal of the III leaf :	Wide with erect margins
6.3.4 Petiole margins :	Winged and undulating
6.3.6 Petiole margin colour :	Green
6.3.7 Edge of petiole margin :	With a colour line along
6.3.14 Colour of leaf lower surface :	Medium green
6.3.22 Colour of outer surface of cigar leaf :	Green

Inflorescence / male bud

6.4.1 Penduncle length (cm) :	≤ 30
6.4.2 Empty nodes on peduncle :	1
6.4.4 Penduncle colour :	Green
6.4.6 Bunch position :	Horizontal
6.4.7 Bunch Shape :	Cylindrical
6.4.8 Bunch appearance :	Compact
6.4.12 Rachis position :	Falling vertically
6.4.13 Rachis appearance :	Bare
6.4.14 Male bud type :	Normal (present)
6.4.15 Male bud shape :	Lanceolate
6.4.16 Male bud size at harvest (cm) :	21-30

Bract

6.5.2 Bract apex shape :	Intermediate
6.5.3 Bract imbrication :	Young bracts slightly overlap
6.5.4 Colour of the bract external face :	Purple
6.5.5 Colour of the bract internal face :	Purple-brown
6.5.6 Colour on the bract apex :	No tinted with yellow
6.5.11 Male bract lifting :	Lifting one at a time
6.5.12 Bract behavior before falling :	Revolute

Male flower

6.6.1 Male flower behaviour :	Falling with the bract
6.6.2 Compound tepal basic colour :	Cream
6.6.3 Compound tepal pigmentation :	Rust-coloured spots
6.6.4 Lobe colour of compound tepal :	Yellow
6.6.13 Anther colour :	Cream
6.6.24 Dominant colour of male flower :	Cream

Fruit

6.7.1 Fruit position :	Curved upward
6.7.2 Number of fruits on third hand:	17
6.7.4 Fruit shape :	Straight (or slightly curved)
6.7.5 Transverse section of fruit :	Pronounced ridges
6.7.6 Fruit apex :	Bottle-necked
6.7.7 Remains of flower relicts at fruit apex :	Without any relicts
6.7.8 Fruit pedicel length (mm) :	11 - 20
6.7.11 Fusion of pedicels :	Very partially sign of fusion

Evaluation

7.1 Cycle under evaluation :	1 & 2
7.2 Number of plants evaluated :	5
7.3 Planting to shooting (days) :	250 - 270
7.4 Plant crop cycle (days) :	365 - 400
7.7 Pseudostem girth at 1m (cm) :	35 - 45
7.8 Height of following ratoon (cm) :	2.2 - 2.85
7.9 Bunch weight (Kg) :	2 - 4
7.10 Number of hands :	7 - 10
7.11 Number of fruits :	123 - 198
7.12 Fruit length (cm) :	9 - 12
7.14 Fruit weight (g) :	--
7.15 Number of living leaves at flowering :	10 - 13
7.16 Number of living leaves at harvest :	3 - 6



Passport

ITC Code :	ITC0277
Genus :	Musa
Section :	Eumusa
Genotype :	AAA
Subgroup :	Rio
Origin :	-
Institute recording:	CARBAP
Curator :	Lucien IBOBONDJI

Descriptors

6.2.1 Pseudostem height (m) :	2.7 - 2.9
6.2.3 Pseudostem colour :	Medium green
6.2.5 Predominant underlying colour of the pseudostem :	Light Green
6.2.7 Sap colour :	Watery
6.2.10 Development of suckers :	> ¼ and ¾ < of the height of the Parent plant
6.3.1 Blotches at the petiole base :	Large blotches
6.3.2 Blotches colour :	Brown-black
6.3.3 Petiole canal of the III leaf :	Open with margins spreading
6.3.4 Petiole margins :	Winged and not clasping the pseudostem
6.3.6 Petiole margin colour :	Pink/purple to red
6.3.7 Edge of petiole margin :	With a colour line along
6.3.14 Colour of leaf lower surface :	Medium green
6.3.22 Colour of outer surface of cigar leaf :	Green



Inflorescence / male bud

6.4.1 Penduncle length (cm) :	31-60
6.4.2 Empty nodes on peduncle :	1
6.4.4 Penduncle colour :	Medium green
6.4.6 Bunch position :	Hanging at angle 45°
6.4.7 Bunch Shape :	Cylindrical
6.4.8 Bunch appearance :	Lax
6.4.12 Rachis position :	Falling vertically
6.4.13 Rachis appearance :	Neutral flowers
6.4.14 Male bud type :	Normal (present)
6.4.15 Male bud shape :	like a top
6.4.16 Male bud size at harvest (cm) :	≤ 20

Bract

6.5.2 Bract apex shape :	Intermediate
6.5.3 Bract imbrication :	Young bracts slightly overlap
6.5.4 Colour of the bract external face :	Red - purple
6.5.5 Colour of the bract internal face :	Red
6.5.6 Colour on the bract apex :	No tinted with yellow
6.5.11 Male bract lifting :	Lifting one at a time
6.5.12 Bract behavior before falling :	Revolute

Male flower

6.6.1 Male flower behaviour :	Falling with the bract
6.6.2 Compound tepal basic colour :	Cream
6.6.3 Compound tepal pigmentation :	No sign of pigmentation
6.6.4 Lobe colour of compound tepal :	Yellow
6.6.13 Anther colour :	Cream
6.6.24 Dominant colour of male flower :	Cream

Fruit

6.7.1 Fruit position :	Perpendicular to the stalk
6.7.2 Number of fruits on third hand:	18
6.7.4 Fruit shape :	Straight (or slightly curved)
6.7.5 Transverse section of fruit :	Slightly ridged
6.7.6 Fruit apex :	Blunt-tipped
6.7.7 Remains of flower relicts at fruit apex :	Base of the style prominent
6.7.8 Fruit pedicel length (mm) :	11-20
6.7.11 Fusion of pedicels :	Partially fused

Evaluation

7.1 Cycle under evaluation :	1 & 2
7.2 Number of plants evaluated :	5
7.3 Planting to shooting (days) :	300 - 335
7.4 Plant crop cycle (days) :	395 - 445
7.7 Pseudostem girth at 1m (cm) :	55 - 77
7.8 Height of following ratoon (m) :	1.85 - 2.9
7.9 Bunch weight (Kg) :	10 - 15
7.10 Number of hands :	4 - 8
7.11 Number of fruits :	75 - 100
7.12 Fruit length (cm) :	14 - 16
7.14 Fruit weight (g) :	120 - 135
7.15 Number of living leaves at flowering :	8 - 11
7.16 Number of living leaves at harvest :	1 - 4



Passport

ITC code :	ITC0312
Genus :	<i>Musa</i>
Section :	Eumusa
Genotype :	AA
Subgroup :	Pisang Jari Buaya
Origin :	Indonesia
Institute recording:	CARBAP
Curator :	Lucien IBOBONDJI

Descriptors

6.2.1 Pseudostem height (m) :	3.1- 3.5
6.2.3 Pseudostem colour :	Green yellow
6.2.5 Predominant underlying colour of the pseudostem :	Purple
6.2.7 Sap colour :	Watery
6.2.10 Development of suckers :	> ¾ of the height of the Parent plant
6.3.1 Blotches at the petiole base :	Small blotches
6.3.2 Blotches colour :	Dark-brown
6.3.3 Petiole canal of the III leaf :	Wide with erect margins
6.3.4 Petiole margins :	Winged and clasping the pseudostem
6.3.6 Petiole margin colour :	Green
6.3.7 Edge of petiole margin :	With a colour line along
6.3.14 Colour of leaf lower surface :	Medium green
6.3.22 Colour of outer surface of cigar leaf :	Green

Inflorescence / male bud

6.4.1 Penduncle length (cm) :	31-60
6.4.2 Empty nodes on peduncle :	1
6.4.4 Penduncle colour :	Green
6.4.6 Bunch position :	Hanging at angle 45°
6.4.7 Bunch Shape :	Cylindrical
6.4.8 Bunch appearance :	Compact
6.4.12 Rachis position :	Falling vertically
6.4.13 Rachis appearance :	Neutral/male flowers and presence Withered bracts
6.4.14 Male bud type :	Normal (present)
6.4.15 Male bud shape :	like a top
6.4.16 Male bud size at harvest (cm) :	21-30

Bract

6.5.2 Bract apex shape :	Intermediate
6.5.3 Bract imbrication :	Old bracts overlap at apex of bud
6.5.4 Colour of the bract external face :	Pink-purple
6.5.5 Colour of the bract internal face :	Whitish
6.5.6 Colour on the bract apex :	No tinted with yellow
6.5.11 Male bract lifting :	Lifting two or more at a time
6.5.12 Bract behavior before falling :	Revolute

Male flower

6.6.1 Male flower behaviour :	Falling before the bract
6.6.2 Compound tepal basic colour :	Cream
6.6.3 Compound tepal pigmentation :	No pigmentation
6.6.4 Lobe colour of compound tepal :	Yellow
6.6.13 Anther colour :	Cream
6.6.24 Dominant colour of male flower :	Cream

Fruit

6.7.1 Fruit position :	Parallel to the stalk
6.7.2 Number of fruits on third hand:	20
6.7.4 Fruit shape :	Straight in the distal part
6.7.5 Transverse section of fruit :	Pronounced ridges
6.7.6 Fruit apex :	Lengthily pointed
6.7.7 Remains of flower relicts at fruit apex :	Without any floral Relicts
6.7.8 Fruit pedicel length (mm) :	≥ 21
6.7.11 Fusion of pedicels :	Partially fused

Evaluation

7.1 Cycle under evaluation :	1 & 2
7.2 Number of plants evaluated :	5
7.3 Planting to shooting (days) :	300 -320
7.4 Plant crop cycle (days) :	396 - 420
7.7 Pseudostem girth at 1m (cm) :	42 -50
7.8 Height of following ratoon (m) :	1.8 - 3.5
7.9 Bunch weight (Kg) :	18 -25
7.10 Number of hands :	8 -12
7.11 Number of fruits :	160 - 220
7.12 Fruit length (cm) :	16-20
7.14 Fruit weight (g) :	100 - 130
7.15 Number of living leaves at flowering :	10 - 12
7.16 Number of living leaves at harvest :	2 - 5



Passport

ITC code :	ITC0361
Genus :	Musa
Section :	Eumusa
Genotype :	ABB
Subgroup :	Ney Mannan
Origin :	-
Institute recording:	CARBAP
Curator :	Lucien IBOBONDJI

Descriptors

6.2.1 Pseudostem height (m) :	3 – 3.75
6.2.3 Pseudostem colour :	Medium green
6.2.5 Predominant underlying colour of the pseudostem :	Light Green
6.2.7 Sap colour :	Watery
6.2.10 Development of suckers :	> ¼ and ¾ < of the height of the Parent plant
6.3.1 Blotches at the petiole base :	Sparse blotching
6.3.2 Blotches colour :	Brown
6.3.3 Petiole canal of the III leaf :	Margins curved inward
6.3.4 Petiole margins :	Winged and clasping the pseudostem
6.3.6 Petiole margin colour :	Green
6.3.7 Edge of petiole margin :	Colourless
6.3.14 Colour of leaf lower surface :	Medium green
6.3.22 Colour of outer surface of cigar leaf :	Green

Inflorescence / male bud

6.4.1 Penduncle length (cm) :	31-60
6.4.2 Empty nodes on peduncle :	two or more
6.4.4 Penduncle colour :	Green
6.4.6 Bunch position :	Hanging at angle 45°
6.4.7 Bunch Shape :	Cylindrical
6.4.8 Bunch appearance :	Lax
6.4.12 Rachis position :	Falling vertically
6.4.13 Rachis appearance :	Bare
6.4.14 Male bud type :	Normal (present)
6.4.15 Male bud shape :	like a top
6.4.16 Male bud size at harvest (cm) :	≤ 20

Bract

6.5.2 Bract apex shape :	Intermediate
6.5.3 Bract imbrication :	Young bracts slightly overlap
6.5.4 Colour of the bract external face :	Purple-brown
6.5.5 Colour of the bract internal face :	Pink-purple
6.5.6 Colour on the bract apex :	Tinted with yellow
6.5.11 Male bract lifting :	Lifting one at a time
6.5.12 Bract behavior before falling :	Revolute

Male flower

6.6.1 Male flower behaviour :	Falling before the bract
6.6.2 Compound tepal basic colour :	Pink-purple
6.6.3 Compound tepal pigmentation :	Presence of pink
6.6.4 Lobe colour of compound tepal :	Yellow
6.6.13 Anther colour :	Cream
6.6.24 Dominant colour of male flower :	Pink-purple

Fruit

6.7.1 Fruit position :	Curved upward
6.7.2 Number of fruits on third hand:	14
6.7.4 Fruit shape :	Slightly curved
6.7.5 Transverse section of fruit :	Pronounced ridges
6.7.6 Fruit apex :	Blunt-tipped
6.7.7 Remains of flower relicts at fruit apex :	Base of the style prominent
6.7.8 Fruit pedicel length (mm) :	≥ 21
6.7.11 Fusion of pedicels :	No visible sign of fusion

Evaluation

7.1 Cycle under evaluation :	1 & 2
7.2 Number of plants evaluated :	5
7.3 Planting to shooting (days) :	220 -250
7.4 Plant crop cycle (days) :	330 - 340
7.7 Pseudostem girth at 1m (cm) :	55 - 70
7.8 Height of following ratoon (m) :	3.1 - 4
7.9 Bunch weight (Kg) :	15 - 25
7.10 Number of hands :	6 - 12
7.11 Number of fruits :	120 - 180
7.12 Fruit length (cm) :	15 - 16
7.14 Fruit weight (g) :	135 - 165
7.15 Number of living leaves at flowering :	9 - 12
7.16 Number of living leaves at harvest :	0 - 2



Passport

ITC Code :	ITC0472
Genus :	<i>Musa</i>
Section :	Eumusa
Genotype :	ABB
Subgroup :	Pelipita
Origin :	Honduras
Institute recording:	CARBAP
Curator :	Lucien IBOBONDJI

Descriptors

6.2.1 Pseudostem height (m) :	3.8 – 4.6
6.2.3 Pseudostem colour :	Green
6.2.5 Predominant underlying colour of the pseudostem :	Green
6.2.7 Sap colour :	Watery
6.2.10 Development of suckers :	> ¾ of the height of the Parent plant
6.3.1 Blotches at the petiole base :	Sparse blotching
6.3.2 Blotches colour :	Dark-brown
6.3.3 Petiole canal of the III leaf :	Margins curved inward
6.3.4 Petiole margins :	Winged and clasping the pseudostem
6.3.6 Petiole margin colour :	Green
6.3.7 Edge of petiole margin :	Colourless
6.3.14 Colour of leaf lower surface :	Green
6.3.22 Colour of outer surface of cigar leaf :	Green

Inflorescence / male bud

6.4.1 Penduncle length (cm) :	≤ 30
6.4.2 Empty nodes on peduncle :	1
6.4.4 Penduncle colour :	Dark-green
6.4.6 Bunch position :	Hanging at angle 45°
6.4.7 Bunch Shape :	Cylindrical
6.4.8 Bunch appearance :	Very compact
6.4.12 Rachis position :	Falling vertically
6.4.13 Rachis appearance :	Neutral/male flowers and presence of Withered bracts
6.4.14 Male bud type :	Normal (present)
6.4.15 Male bud shape :	Intermediate
6.4.16 Male bud size at harvest (cm) :	21-30

Bract

6.5.2 Bract apex shape :	Obtuse and split
6.5.3 Bract imbrication :	Young bracts slightly overlap
6.5.4 Colour of the bract external face :	Purple-brown
6.5.5 Colour of the bract internal face :	Red-purple
6.5.6 Colour on the bract apex :	Tinted with yellow
6.5.11 Male bract lifting :	Lifting two or more at a time
6.5.12 Bract behavior before falling :	Revolute

Male flower

6.6.1 Male flower behaviour :	Neutral/male flowers persistent
6.6.2 Compound tepal basic colour :	Pink/pink-purple
6.6.3 Compound tepal pigmentation :	Rust-coloured spots
6.6.4 Lobe colour of compound tepal :	Yellow
6.6.13 Anther colour :	Cream
6.6.24 Dominant colour of male flower :	Pink-purple

Fruit

6.7.1 Fruit position :	Curved upward
6.7.2 Male of fruits on third hand:	20
6.7.4 Fruit shape :	Straight (or slightly curved)
6.7.5 Transverse section of fruit :	Pronounced ridges
6.7.6 Fruit apex :	Bottle-necked
6.7.7 Remains of flower relicts at fruit apex :	Without any floral Relicts
6.7.8 Fruit pedicel length (mm) :	≥ 21
6.7.11 Fusion of pedicels :	Very partially visible sign of fusion

Evaluation

7.1 Cycle under evaluation :	1 & 2
7.2 Number of plants evaluated :	5
7.3 Planting to shooting (days) :	325 -375
7.4 Plant crop cycle (days) :	470 -530
7.7 Pseudostem girth at 1m (cm) :	70 - 95
7.8 Height of following ratoon (m) :	3.9 – 4.5
7.9 Bunch weight (Kg) :	20 - 35
7.10 Number of hands :	6 - 10
7.11 Number of fruits :	120 - 180
7.12 Fruit length (cm) :	16 - 18
7.14 Fruit weight (g) :	170 - 200
7.15 Number of living leaves at flowering :	12 - 14
7.16 Number of living leaves at harvest :	2 - 5



Passport

ITC Code :	ITC0519
Genus :	Musa
Section :	Eumusa
Genotype :	AAB
Subgroup :	Plantain- French- sombre
Origin :	Nigeria
Institute recording:	CARBAP
Curator :	Lucien IBOBONDJI

Descriptors

6.2.1 Pseudostem height (m) :	2.85 - 3.8
6.2.3 Pseudostem colour :	Green-red
6.2.5 Predominant underlying colour of the pseudostem :	Green
6.2.7 Sap colour :	Watery
6.2.10 Development of suckers :	> ¼ and ¾ < of the height of the Parent plant
6.3.1 Blotches at the petiole base :	Small blotches
6.3.2 Blotches colour :	Dark-brown
6.3.3 Petiole canal of the III leaf :	Margins curved inward
6.3.4 Petiole margins :	Winged and clasping the pseudostem
6.3.6 Petiole margin colour :	Green
6.3.7 Edge of petiole margin :	With a colour line along
6.3.14 Colour of leaf lower surface :	Medium green
6.3.22 Colour of outer surface of cigar leaf :	Green

Inflorescence / male bud

6.4.1 Penduncle length (cm) :	31-60
6.4.2 Empty nodes on peduncle :	1
6.4.4 Penduncle colour :	Green
6.4.6 Bunch position :	Slightly angled
6.4.7 Bunch Shape :	Cylindrical
6.4.8 Bunch appearance :	Compact
6.4.12 Rachis position :	Falling vertically
6.4.13 Rachis appearance :	Neutral/male flower and presence Of withered bracts
6.4.14 Male bud type :	Normal (present)
6.4.15 Male bud shape :	like a top
6.4.16 Male bud size at harvest (cm) :	≤ 20

Bract

6.5.2 Bract apex shape :	Intermediate
6.5.3 Bract imbrication :	Old bracts overlap at apex of bud
6.5.4 Colour of the bract external face :	Purple-brown
6.5.5 Colour of the bract internal face :	Pink-purple
6.5.6 Colour on the bract apex :	No tinted with yellow
6.5.11 Male bract lifting :	Lifting one at a time
6.5.12 Bract behavior before falling :	Revolute

Male flower

6.6.1 Male flower behaviour :	Falling with the bract
6.6.2 Compound tepal basic colour :	Yellow
6.6.3 Compound tepal pigmentation :	Rust-coloured spots
6.6.4 Lobe colour of compound tepal :	Yellow
6.6.13 Anther colour :	Cream
6.6.24 Dominant colour of male flower :	Cream

Fruit

6.7.1 Fruit position :	Curved upward
6.7.2 Number of fruits on third hand:	14
6.7.4 Fruit shape :	Straight (or slightly curved)
6.7.5 Transverse section of fruit :	Pronounced ridges
6.7.6 Fruit apex :	Pointed
6.7.7 Remains of flower relicts at fruit apex :	Base of the style prominent
6.7.8 Fruit pedicel length (mm) :	≥ 21
6.7.11 Fusion of pedicels :	Very partially sign of fusion

Evaluation

7.1 Cycle under evaluation :	1 & 2
7.2 Number of plants evaluated :	5
7.3 Planting to shooting (days) :	321 - 366
7.4 Plant crop cycle (days) :	425 - 453
7.7 Pseudostem girth at 1m (cm) :	45 - 65
7.8 Heigh of following ratoon (m) :	2.3 - 2.7
7.9 Bunch weight (Kg) :	15 - 20
7.10 Number of hands :	7 - 10
7.11 Number of fruits :	89 - 132
7.12 Fruit length (cm) :	21 - 25
7.14 Fruit weight (g) :	200 - 250
7.15 Number of living leaves at flowering :	9 - 10
7.16 Number of living leaves at harvest :	0 - 2



Passport

ITC Code :	ITC0587
Genus :	<i>Musa</i>
Section :	Eumusa
Species :	AAB
Subspecies :	Pisang Raja
Origin :	Malaysia
Institute recording:	CARBAP
Curator :	Lucien IBOBONDJI

Descriptors

6.2.1 Pseudostem height (m) :	2.3 – 3.3
6.2.3 Pseudostem colour :	Green
6.2.5 Predominant underlying colour of the pseudostem :	Light Green
6.2.7 Sap colour :	Watery
6.2.10 Development of suckers :	> ¼ and < of the height of the Parent plant
6.3.1 Blotches at the petiole base :	Sparse blotching
6.3.2 Blotches colour :	Brown
6.3.3 Petiole canal of the III leaf :	Wide with erect margins
6.3.4 Petiole margins :	Winged and not clasping the pseudostem
6.3.6 Petiole margin colour :	Green
6.3.7 Edge of petiole margin :	Colourless
6.3.14 Colour of leaf lower surface :	Medium green
6.3.22 Colour of outer surface of cigar leaf :	Green

Inflorescence / male bud

6.4.1 Penduncle length (cm) :	≥ 61
6.4.2 Empty nodes on peduncle :	two or more
6.4.4 Penduncle colour :	Green
6.4.6 Bunch position :	Hanging at angle 45°
6.4.7 Bunch Shape :	Asymmetric
6.4.8 Bunch appearance :	Lax
6.4.12 Rachis position :	Falling vertically
6.4.13 Rachis appearance :	Neutral flowers
6.4.14 Male bud type :	Normal (present)
6.4.15 Male bud shape :	Lanceolate
6.4.16 Male bud size at harvest (cm) :	≤ 20

Bract

6.5.2 Bract apex shape :	Intermediate
6.5.3 Bract imbrication :	Young bracts greatly overlap
6.5.4 Colour of the bract external face :	Purple-brown
6.5.5 Colour of the bract internal face :	Red
6.5.6 Colour on the bract apex :	No tinted with yellow
6.5.11 Male bract lifting :	Lifting two or more at a time
6.5.12 Bract behavior before falling :	Revolute

Male flower

6.6.1 Male flower behaviour :	Falling after the bract
6.6.2 Compound tepal basic colour :	Cream
6.6.3 Compound tepal pigmentation :	No sign of pigmentation
6.6.4 Lobe colour of compound tepal :	Yellow
6.6.13 Anther colour :	Cream
6.6.24 Dominant colour of male flower :	Cream

Fruit

6.7.1 Fruit position :	curved upward
6.7.2 Number of fruits on third hand:	15
6.7.4 Fruit shape :	Straight (or slightly curved)
6.7.5 Transverse section of fruit :	Slightly ridged
6.7.6 Fruit apex :	Pointed
6.7.7 Remains of flower relicts at fruit apex :	Base of the style prominent
6.7.8 Fruit pedicel length (mm) :	≥ 21
6.7.11 Fusion of pedicels :	Partially fused

Evaluation

7.1 Cycle under evaluation :	1 & 2
7.2 Number of plants evaluated :	5
7.3 Planting to shooting (days) :	256 - 302
7.4 Plant crop cycle (days) :	320 - 367
7.7 Pseudostem girth at 1m (cm) :	40 - 56
7.8 Height of following ratoon (m) :	2.2 – 2.6
7.9 Bunch weight (Kg) :	6 - 12
7.10 Number of hands :	4 - 7
7.11 Number of fruits :	56 - 75
7.12 Fruit length (cm) :	12 - 15
7.14 Fruit weight (g) :	150 - 180
7.15 Number of living leaves at flowering :	7 - 9
7.16 Number of living leaves at harvest :	1 - 3



Passport

ITC code :	ITC0649
Genus :	<i>Musa</i>
Section :	Eumusa
Genotype :	AAB
Subgroup :	Pome / Prata
Origin :	Cameroon
Institute recording:	CARBAP
Curator :	Lucien IBOBONDJI

Descriptors

6.2.1 Pseudostem height (m) :	3.5 – 4.8
6.2.3 Pseudostem colour :	Green-yellow
6.2.5 Predominant underlying colour of the pseudostem :	Light Green
6.2.7 Sap colour :	Watery
6.2.10 Development of suckers :	> ¼ and ¾ < of the height of the Parent plant
6.3.1 Blotches at the petiole base :	Small blotches
6.3.2 Blotches colour :	Dark-brown
6.3.3 Petiole canal of the III leaf :	Straight with erect margins
6.3.4 Petiole margins :	Winged and clasping the pseudostem
6.3.6 Petiole margin colour :	Pink/purple to red
6.3.7 Edge of petiole margin :	With a colour line along
6.3.14 Colour of leaf lower surface :	Medium green
6.3.22 Colour of outer surface of cigar leaf :	Green

Inflorescence / male bud

6.4.1 Penduncle length (cm) :	31 - 60
6.4.2 Empty nodes on peduncle :	1
6.4.4 Penduncle colour :	Green
6.4.6 Bunch position :	Hanging at angle 45°
6.4.7 Bunch Shape :	Cylindrical
6.4.8 Bunch appearance :	Lax
6.4.12 Rachis position :	With a curve
6.4.13 Rachis appearance :	Bare
6.4.14 Male bud type :	Normal (present)
6.4.15 Male bud shape :	Intermediate
6.4.16 Male bud size at harvest (cm) :	≤ 20

Bract

6.5.2 Bract apex shape :	Slightly pointed
6.5.3 Bract imbrication :	Young bracts slightly overlap
6.5.4 Colour of the bract external face :	Purple-brown
6.5.5 Colour of the bract internal face :	Pink-purple
6.5.6 Colour on the bract apex :	No tinted with yellow
6.5.11 Male bract lifting :	Lifting one at a time
6.5.12 Bract behavior before falling :	Revolute

Male flower

6.6.1 Male flower behaviour :	Falling before the bract
6.6.2 Compound tepal basic colour :	Cream
6.6.3 Compound tepal pigmentation :	Rust-coloured spots
6.6.4 Lobe colour of compound tepal :	Yellow
6.6.13 Anther colour :	Cream
6.6.24 Dominant colour of male flower :	Cream

Fruit

6.7.1 Fruit position :	Curved upward
6.7.2 Number of fruits on third hand:	18
6.7.4 Fruit shape :	Straight (or slightly curved)
6.7.5 Transverse section of fruit :	Slightly ridged
6.7.6 Fruit apex :	Bottle-necked
6.7.7 Remains of flower relicts at fruit apex :	Base of the style prominent
6.7.8 Fruit pedicel length (mm) :	≥ 21
6.7.11 Fusion of pedicels :	Very partially visible sign of fusion

Evaluation

7.1 Cycle under evaluation :	1 & 2
7.2 Number of plants evaluated :	5
7.3 Planting to shooting (days) :	230 - 265
7.4 Plant crop cycle (days) :	330-390
7.7 Pseudostem girth at 1m (cm) :	53 -69
7.8 Height of following ratoon (m) :	3.2 – 4.3
7.9 Bunch weight (Kg) :	7 - 12
7.10 Number of hands :	6 - 8
7.11 Number of fruits :	90 - 130
7.12 Fruit length (cm) :	12 - 15
7.14 Fruit weight (g) :	150 -180
7.15 Number of living leaves at flowering :	8 - 10
7.16 Number of living leaves at harvest :	0 - 2



Passport

ITC code :	ITC0653
Genus :	<i>Musa</i>
Section :	Eumusa
Genotype :	AA
Subgroup :	Sucrier
Origin :	Malaysia
Institute recording:	CARBAP
Curator :	Lucien IBOBONDJI

Descriptors

6.2.1 Pseudostem height (m) :	2.6-2.9
6.2.3 Pseudostem colour :	Green-yellow
6.2.5 Predominant underlying colour of the pseudostem :	Light Green
6.2.7 Sap colour :	Watery
6.2.10 Development of suckers :	> ¼ and < of the height of the Parent plant
6.3.1 Blotches at the petiole base :	Extensive pigmentation
6.3.2 Blotches colour :	Brown
6.3.3 Petiole canal of the III leaf :	Open with margins spreading
6.3.4 Petiole margins :	Winged and not clasping the pseudostem
6.3.6 Petiole margin colour :	Green
6.3.7 Edge of petiole margin :	With a colour line along
6.3.14 Colour of leaf lower surface :	Green
6.3.22 Colour of outer surface of cigar leaf :	Green

Inflorescence / male bud

6.4.1 Penduncle length (cm) :	31 - 60
6.4.2 Empty nodes on peduncle :	1
6.4.4 Penduncle colour :	Green
6.4.6 Bunch position :	Slightly angled
6.4.7 Bunch Shape :	Cylindrical
6.4.8 Bunch appearance :	Compact
6.4.12 Rachis position :	With a curve
6.4.13 Rachis appearance :	bare
6.4.14 Male bud type :	Normal (present)
6.4.15 Male bud shape :	like a top
6.4.16 Male bud size at harvest (cm) :	≤ 20

Bract

6.5.2 Bract apex shape :	Intermediate
6.5.3 Bract imbrication :	Young bracts slightly overlap
6.5.4 Colour of the bract external face :	Purple-brown
6.5.5 Colour of the bract internal face :	Pink-purple
6.5.6 Colour on the bract apex :	Not tinted with yellow
6.5.11 Male bract lifting :	Lifting one at a time
6.5.12 Bract behavior before falling :	Revolute

Male flower

6.6.1 Male flower behaviour :	Falling before the bract
6.6.2 Compound tepal basic colour :	Cream
6.6.3 Compound tepal pigmentation :	Rust-coloured spots
6.6.4 Lobe colour of compound tepal :	Yellow
6.6.13 Anther colour :	Cream
6.6.24 Dominant colour of male flower :	Cream

Fruit

6.7.1 Fruit position :	Perpendicular to the stalk
6.7.2 Number of fruits on third hand:	19
6.7.4 Fruit shape :	Straight (or slightly curved)
6.7.5 Transverse section of fruit :	Rounded
6.7.6 Fruit apex :	Pointed
6.7.7 Remains of flower relicts at fruit apex :	Without any floral Relicts
6.7.8 Fruit pedicel length (mm) :	≥ 21
6.7.11 Fusion of pedicels :	Very partially visible sign of fusion

Evaluation

7.1 Cycle under evaluation :	1 & 2
7.2 Number of plants evaluated :	5
7.3 Planting to shooting (days) :	315 - 335
7.4 Plant crop cycle (days) :	375 - 397
7.7 Pseudostem girth at 1m (cm) :	40 - 45
7.8 Height of following ratoon (m) :	1.7 - 2.5
7.9 Bunch weight (Kg) :	7 - 12
7.10 Number of hands :	6 - 8
7.11 Number of fruits :	100 - 155
7.12 Fruit length (cm) :	10 - 12
7.14 Fruit weight (g) :	50 - 70
7.15 Number of living leaves at flowering :	10 - 13
7.16 Number of living leaves at harvest :	4 - 6



Passport

ITC code :	ITC0654
Genus :	<i>Musa</i>
Section :	Eumusa
Genotype :	AAA
Subgroup :	Cavendish
Origin :	Guinea Conakry
Institute recording:	CARBAP
Curator :	Lucien IBOBONDJI

Descriptors

6.2.1 Pseudostem height (m) :	1.45 – 1.75
6.2.3 Pseudostem colour :	Medium green
6.2.5 Predominant underlying colour of the pseudostem :	Pink-purple
6.2.7 Sap colour :	Watery
6.2.10 Development of suckers :	> 3/4 of the height of the Parent plant
6.3.1 Blotches at the petiole base :	Sparse blotching
6.3.2 Blotches colour :	Dark-brown
6.3.3 Petiole canal of the III leaf :	Open with margins spreading
6.3.4 Petiole margins :	Winged and not clasping the pseudostem
6.3.6 Petiole margin colour :	Pink/purple to red
6.3.7 Edge of petiole margin :	With a colour line along
6.3.14 Colour of leaf lower surface :	Medium green
6.3.22 Colour of outer surface of cigar leaf :	Green



Inflorescence / male bud

6.4.1 Penduncle length (cm) :	≥ 30
6.4.2 Empty nodes on peduncle :	1
6.4.4 Penduncle colour :	Green
6.4.6 Bunch position :	Hanging vertically
6.4.7 Bunch Shape :	Cylindrical
6.4.8 Bunch appearance :	Lax
6.4.12 Rachis position :	Falling vertically
6.4.13 Rachis appearance :	Neutral/male flower and presence of Withered bracts
6.4.14 Male bud type :	Normal (present)
6.4.15 Male bud shape :	Intermediate
6.4.16 Male bud size at harvest (cm) :	20 à 30

Bract

6.5.2 Bract apex shape :	Intermediate
6.5.3 Bract imbrication :	Yang bracts slightly overlap
6.5.4 Colour of the bract external face :	Purple-brown
6.5.5 Colour of the bract internal face :	Orange-red
6.5.6 Colour on the bract apex :	Not tinted with yellow
6.5.11 Male bract lifting :	Lifting two or more at a time
6.5.12 Bract behavior before falling :	Revolute

Male flower

6.6.1 Male flower behaviour :	Falling with the bract
6.6.2 Compound tepal basic colour :	Cream
6.6.3 Compound tepal pigmentation :	Rust-coloured spots
6.6.4 Lobe colour of compound tepal :	Yellow
6.6.13 Anther colour :	Cream
6.6.24 Dominant colour of male flower :	Cream

Fruit

6.7.1 Fruit position :	Curved towards stalk
6.7.2 Number of fruits on third hand:	16
6.7.4 Fruit shape :	Straight (or slightly curved)
6.7.5 Transverse section of fruit :	Slightly ridged
6.7.6 Fruit apex :	Blunt-tipped
6.7.7 Remains of flower relicts at fruit apex :	Base of the style prominent
6.7.8 Fruit pedicel length (mm) :	≥ 21
6.7.11 Fusion of pedicels :	Very partially sign of fusion

Evaluation

7.1 Cycle under evaluation :	1 & 2
7.2 Number of plants evaluated :	5
7.3 Planting to shooting (days) :	310 - 322
7.4 Plant crop cycle (days) :	399 - 312
7.7 Pseudostem girth at 1m (cm) :	45 - 60
7.8 Height of following ratoon (m) :	1.2 – 1.45
7.9 Bunch weight (Kg) :	12 - 17
7.10 Number of hands :	8 - 11
7.11 Number of fruits :	125 - 175
7.12 Fruit length (cm) :	16 - 18
7.14 Fruit weight (g) :	80 - 100
7.15 Number of living leaves at flowering :	8 - 9
7.16 Number of living leaves at harvest :	0 - 3



Passport

ITC code :	ITC0659
Genus :	<i>Musa</i>
Section :	Eumusa
Genotype :	ABB
Subgroup :	Pisang-Awak
Origin :	Thailand
Institute recording:	CARBAP
Curator :	Lucien IBONDJI

Descriptors

6.2.1 Pseudostem height (m) :	2.2 – 3.5
6.2.3 Pseudostem colour :	Green
6.2.5 Predominant underlying colour of the pseudostem :	Green
6.2.7 Sap colour :	Watery
6.2.10 Development of suckers :	> ¼ and ¾ < of the height of the Parent plant
6.3.1 Blotches at the petiole base :	Small blotches
6.3.2 Blotches colour :	Brown
6.3.3 Petiole canal of the III leaf :	Margins curved inward
6.3.4 Petiole margins :	Winged and not clasping the pseudostem
6.3.6 Petiole margin colour :	Green
6.3.7 Edge of petiole margin :	Colourless
6.3.14 Colour of leaf lower surface :	Medium green
6.3.22 Colour of outer surface of cigar leaf :	Green

Inflorescence / male bud

6.4.1 Penduncle length (cm) :	31-60
6.4.2 Empty nodes on peduncle :	Two or more
6.4.4 Penduncle colour :	Medium green
6.4.6 Bunch position :	Hanging vertically
6.4.7 Bunch Shape :	Cylindrical
6.4.8 Bunch appearance :	Compact
6.4.12 Rachis position :	Falling vertically
6.4.13 Rachis appearance :	Bare
6.4.14 Male bud type :	Normal (present)
6.4.15 Male bud shape :	like a top
6.4.16 Male bud size at harvest (cm) :	≤ 20

Bract

6.5.2 Bract apex shape :	Obtuse
6.5.3 Bract imbrication :	Young bracts greatly overlap
6.5.4 Colour of the bract external face :	Purple-brown
6.5.5 Colour of the bract internal face :	Red-purple
6.5.6 Colour on the bract apex :	Not tinted with yellow
6.5.11 Male bract lifting :	Lifting one at a time
6.5.12 Bract behavior before falling :	No revolute

Male flower

6.6.1 Male flower behaviour :	Falling after the bract
6.6.2 Compound tepal basic colour :	Pink-purple
6.6.3 Compound tepal pigmentation :	Rust-coloured spots
6.6.4 Lobe colour of compound tepal :	Yellow
6.6.13 Anther colour :	Yellow / pink
6.6.24 Dominant colour of male flower :	Pink-purple

Fruit

6.7.1 Fruit position :	Curved upward
6.7.2 Number of fruits on third hand:	22
6.7.4 Fruit shape :	Straight (or slightly curved)
6.7.5 Transverse section of fruit :	Slightly ridged
6.7.6 Fruit apex :	Pointed
6.7.7 Remains of flower relicts at fruit apex :	Without any floral Relicts
6.7.8 Fruit pedicel length (mm) :	11 - 20
6.7.11 Fusion of pedicels :	Partially fused

Evaluation

7.1 Cycle under evaluation :	1 & 2
7.2 Number of plants evaluated :	5
7.3 Planting to shooting (days) :	294 - 326
7.4 Plant crop cycle (days) :	399 - 433
7.7 Pseudostem girth at 1m (cm) :	75 - 87
7.8 Height of following ratoon (m) :	2.3 – 3.2
7.9 Bunch weight (Kg) :	20 -33
7.10 Number of hands :	9 - 17
7.11 Number of fruits :	200 -315
7.12 Fruit length (cm) :	12 - 14
7.14 Fruit weight (g) :	10 - 12
7.15 Number of living leaves at flowering :	12 - 15
7.16 Number of living leaves at harvest :	5 - 8



Passport

ITC code :	ITC0662
Genus :	Musa
Section :	Eumusa
Genotype :	AAA
Subgroup :	Ibota
Origin :	Thailand
Institute recording:	CARBAP
Curator :	Lucien IBOBONDJI

Descriptors

6.2.1 Pseudostem height (m) :	2.5 - 3.4
6.2.3 Pseudostem colour :	Yellow green
6.2.5 Predominant underlying colour of the pseudostem :	Green
6.2.7 Sap colour :	Watery
6.2.10 Development of suckers :	> ¼ and ¾ < of the height of the Parent plant
6.3.1 Blotches at the petiole base :	Large blotches
6.3.2 Blotches colour :	Dark-brown
6.3.3 Petiole canal of the III leaf :	Open with margins spreading
6.3.4 Petiole margins :	Winged and not clasping the pseudostem
6.3.6 Petiole margin colour :	Pink/purple to red
6.3.7 Edge of petiole margin :	With a colour line along
6.3.14 Colour of leaf lower surface :	Medium green
6.3.22 Colour of outer surface of cigar leaf :	Green

Inflorescence / male bud

6.4.1 Penduncle length (cm) :	≤ 30
6.4.2 Empty nodes on peduncle :	1
6.4.4 Penduncle colour :	Green
6.4.6 Bunch position :	Hanging at angle 45°
6.4.7 Bunch Shape :	Cylindrical
6.4.8 Bunch appearance :	Very compact
6.4.12 Rachis position :	Falling vertically
6.4.13 Rachis appearance :	Bare
6.4.14 Male bud type :	Normal (present)
6.4.15 Male bud shape :	Intermediate
6.4.16 Male bud size at harvest (cm) :	21 - 30

Bract

6.5.2 Bract apex shape :	Intermediate
6.5.3 Bract imbrication :	Young bracts overlap at apex of bud
6.5.4 Colour of the bract external face :	Purple-brown
6.5.5 Colour of the bract internal face :	Pink-purple
6.5.6 Colour on the bract apex :	Not tinted with yellow
6.5.11 Male bract lifting :	Lifting one at a time
6.5.12 Bract behavior before falling :	Revolute

Male flower

6.6.1 Male flower behaviour :	Falling with the bract
6.6.2 Compound tepal basic colour :	Cream
6.6.3 Compound tepal pigmentation :	Rust-coloured spots
6.6.4 Lobe colour of compound tepal :	Yellow
6.6.13 Anther colour :	Cream
6.6.24 Dominant colour of male flower :	Cream

Fruit

6.7.1 Fruit position :	Curved towards stalk
6.7.2 Number of fruits on third hand:	22
6.7.4 Fruit shape :	Straight (or slightly curved)
6.7.5 Transverse section of fruit :	Rounded
6.7.6 Fruit apex :	Pointed
6.7.7 Remains of flower relicts at fruit apex :	Without any floral Relicts
6.7.8 Fruit pedicel length (mm) :	≥ 10
6.7.11 Fusion of pedicels :	Partially fused

Evaluation

7.1 Cycle under evaluation :	1 & 2
7.2 Number of plants evaluated :	5
7.3 Planting to shooting (days) :	250 - 300
7.4 Plant crop cycle (days) :	370 - 420
7.7 Pseudostem girth at 1m (cm) :	45 - 60
7.8 Heigh of following ratoon (m) :	2.7 – 3.5
7.9 Bunch weight (Kg) :	15 -35
7.10 Number of hands :	7 -12
7.11 Number of fruits :	133 - 220
7.12 Fruit length (cm) :	14 - 16
7.14 Fruit weight (g) :	120 - 140
7.15 Number of living leaves at flowering :	10 - 14
7.16 Number of living leaves at harvest :	3 - 7



Passport

ITC code :	ITC0766
Genus :	<i>Musa</i>
Section :	Eumusa
Species :	Acuminata
Subspecies :	Banksii
Origin :	-
Institute recording:	CARBAP
Curator :	Lucien IBOBONDJI

Descriptors

6.2.1 Pseudostem height (m) :	2.4 - 2.9
6.2.3 Pseudostem colour :	Medium-green
6.2.5 Predominant underlying colour of the pseudostem :	Green
6.2.7 Sap colour :	Watery
6.2.10 Development of suckers :	> ¼ and ¾ < of the height of the Parent plant
6.3.1 Blotches at the petiole base :	Large blotches
6.3.2 Blotches colour :	Dark-brown
6.3.3 Petiole canal of the III leaf :	Narrow with erect margins
6.3.4 Petiole margins :	Winged and not clasping the pseudostem
6.3.6 Petiole margin colour :	Green
6.3.7 Edge of petiole margin :	With a colour line along
6.3.14 Colour of leaf lower surface :	Green
6.3.22 Colour of outer surface of cigar leaf :	Medium green

Inflorescence / male bud

6.4.1 Penduncle length (cm) :	≤ 30
6.4.2 Empty nodes on peduncle :	1
6.4.4 Penduncle colour :	Green
6.4.6 Bunch position :	Subhorizontal
6.4.7 Bunch Shape :	Cylindrical
6.4.8 Bunch appearance :	Compact
6.4.12 Rachis position :	With a curve
6.4.13 Rachis appearance :	Bare
6.4.14 Male bud type :	Normal (present)
6.4.15 Male bud shape :	Lanceolate
6.4.16 Male bud size at harvest (cm) :	≤ 20

Bract

6.5.2 Bract apex shape :	Intermediate
6.5.3 Bract imbrication :	Old bracts overlap at apex of bud
6.5.4 Colour of the bract external face :	Light green
6.5.5 Colour of the bract internal face :	Yellow green
6.5.6 Colour on the bract apex :	Tinted with yellow
6.5.11 Male bract lifting :	Lifting one at a time
6.5.12 Bract behavior before falling :	Revolute

Male flower

6.6.1 Male flower behaviour :	Falling before the bract
6.6.2 Compound tepal basic colour :	Cream
6.6.3 Compound tepal pigmentation :	Rust-coloured spots
6.6.4 Lobe colour of compound tepal :	Yellow
6.6.13 Anther colour :	Cream
6.6.24 Dominant colour of male flower :	Cream

Fruit

6.7.1 Fruit position :	Perpendicular to the stalk
6.7.2 Number of fruits on third hand:	16
6.7.4 Fruit shape :	Straight (or slightly curved)
6.7.5 Transverse section of fruit :	Slightly ridged
6.7.6 Fruit apex :	Bottle-necked
6.7.7 Remains of flower relicts at fruit apex :	Without any floral relicts
6.7.8 Fruit pedicel length (mm) :	≥ 21
6.7.11 Fusion of pedicels :	Partially fused

Evaluation

7.1 Cycle under evaluation :	1 & 2
7.2 Number of plants evaluated :	5
7.3 Planting to shooting (days) :	306 - 320
7.4 Plant crop cycle (days) :	420 - 440
7.7 Pseudostem girth at 1m (cm) :	30 - 40
7.8 Height of following ratoon (m) :	2.1 - 2.4
7.9 Bunch weight (Kg) :	4 - 7
7.10 Number of hands :	10 - 14
7.11 Number of fruits :	178 - 220
7.12 Fruit length (cm) :	8 - 10
7.14 Fruit weight (g) :	--
7.15 Number of living leaves at flowering :	8 - 10
7.16 Number of living leaves at harvest :	0 - 2



Passport

ITC code :	ITC0767
Genus :	<i>Musa</i>
Section :	Eumusa
Genotype :	ABB
Subgroup :	Bluggoe
Origin :	-
Institute recording:	CARBAP
Curator :	Lucien IBOBONDJI

Descriptors

6.2.1 Pseudostem height (m) :	2.5 – 3.8
6.2.3 Pseudostem colour :	Yellow-green
6.2.5 Predominant underlying colour of the pseudostem :	Light Green
6.2.7 Sap colour :	Watery
6.2.10 Development of suckers :	Taller than the parent plant
6.3.1 Blotches at the petiole base :	Sparse blotches
6.3.2 Blotches colour :	Brown
6.3.3 Petiole canal of the III leaf :	Margins overlapping
6.3.4 Petiole margins :	Winged and clasping the pseudostem
6.3.6 Petiole margin colour :	Green
6.3.7 Edge of petiole margin :	Colourless
6.3.14 Colour of leaf lower surface :	Medium green
6.3.22 Colour of outer surface of cigar leaf :	Green

Inflorescence / male bud

6.4.1 Penduncle length (cm) :	31 - 60
6.4.2 Empty nodes on peduncle :	Two or more
6.4.4 Penduncle colour :	Green
6.4.6 Bunch position :	Hanging vertically
6.4.7 Bunch Shape :	Cylindrical
6.4.8 Bunch appearance :	Lax
6.4.12 Rachis position :	Falling vertically
6.4.13 Rachis appearance :	Bare
6.4.14 Male bud type :	Normal (present)
6.4.15 Male bud shape :	like a top
6.4.16 Male bud size at harvest (cm) :	21 - 30

Bract

6.5.2 Bract apex shape :	Obtuse
6.5.3 Bract imbrication :	Young bracts slightly overlap
6.5.4 Colour of the bract external face :	Purple-brown
6.5.5 Colour of the bract internal face :	Red
6.5.6 Colour on the bract apex :	Tinted with yellow
6.5.11 Male bract lifting :	Lifting one at a time
6.5.12 Bract behavior before falling :	Revolute

Male flower

6.6.1 Male flower behaviour :	Falling before the bract
6.6.2 Compound tepal basic colour :	Pink/Pink-purple
6.6.3 Compound tepal pigmentation:	Very few signs of pigmentation
6.6.4 Lobe colour of compound tepal :	Yellow
6.6.13 Anther colour :	Cream
6.6.24 Dominant colour of male flower :	Pink-purple

Fruit

6.7.1 Fruit position :	Curved upward
6.7.2 Number of fruits on third hand:	16
6.7.4 Fruit shape :	Straight in the distal part
6.7.5 Transverse section of fruit :	Pronounced ridged
6.7.6 Fruit apex :	Blunt-tipped
6.7.7 Remains of flower relicts at fruit apex :	Base of the style prominent
6.7.8 Fruit pedicel length (mm) :	≥ 21
6.7.11 Fusion of pedicels :	Very partially visible sign of fusion

Evaluation

7.1 Cycle under evaluation :	1 & 2
7.2 Number of plants evaluated :	5
7.3 Planting to shooting (days) :	215 - 250
7.4 Plant crop cycle (days) :	330 - 340
7.7 Pseudostem girth at 1m (cm) :	51 - 70
7.8 Height of following ratoon (m) :	2.5 – 4.15
7.9 Bunch weight (Kg) :	15 - 25
7.10 Number of hands :	6 - 9
7.11 Number of fruits :	80 - 150
7.12 Fruit length (cm) :	15 - 17
7.14 Fruit weight (g) :	160 - 175
7.15 Number of living leaves at flowering :	10 - 11
7.16 Number of living leaves at harvest :	1 - 4



Passport

ITC code :	ITC0769
Genus :	Musa
Section :	Eumusa
Genotype :	AAB
Subgroup :	Red
Origin :	-
Institute recording:	CARBAP
Curator :	Lucien IBOBONDJI

Descriptors

6.2.1 Pseudostem height (m) :	3.9 – 4.1
6.2.3 Pseudostem colour :	Medium green
6.2.5 Predominant underlying colour of the pseudostem :	Light Green
6.2.7 Sap colour :	Watery
6.2.10 Development of suckers :	> ¼ and ¾ < of the height of the Parent plant
6.3.1 Blotches at the petiole base :	Small blotches
6.3.2 Blotches colour :	Dark-brown
6.3.3 Petiole canal of the III leaf :	Wide with erect margins
6.3.4 Petiole margins :	Winged and clasping the pseudostem
6.3.6 Petiole margin colour :	Green
6.3.7 Edge of petiole margin :	With a colour line along
6.3.14 Colour of leaf lower surface :	Medium green
6.3.22 Colour of outer surface of cigar leaf :	Green

Inflorescence / male bud

6.4.1 Penduncle length (cm) :	31 - 60
6.4.2 Empty nodes on peduncle :	Two or more
6.4.4 Penduncle colour :	Green
6.4.6 Bunch position :	Hanging at angle 45°
6.4.7 Bunch Shape :	Cylindrical
6.4.8 Bunch appearance :	Lax
6.4.12 Rachis position :	Falling vertically
6.4.13 Rachis appearance :	Bare
6.4.14 Male bud type :	Normal (present)
6.4.15 Male bud shape :	like a top
6.4.16 Male bud size at harvest (cm) :	≤ 20

Bract

6.5.2 Bract apex shape :	Intermediate
6.5.3 Bract imbrication :	Old bracts overlap at apex of bud
6.5.4 Colour of the bract external face :	Purple-brown
6.5.5 Colour of the bract internal face :	Purple brown
6.5.6 Colour on the bract apex :	Not tinted with yellow
6.5.11 Male bract lifting :	Lifting one at a time
6.5.12 Bract behavior before falling :	No revolute

Male flower

6.6.1 Male flower behaviour :	Falling before the bract
6.6.2 Compound tepal basic colour :	Cream
6.6.3 Compound tepal pigmentation :	No sign of pigmentation
6.6.4 Lobe colour of compound tepal :	Yellow
6.6.13 Anther colour :	Cream
6.6.24 Dominant colour of male flower :	Cream

Fruit

6.7.1 Fruit position :	Curved upward
6.7.2 Number of fruits on third hand:	18
6.7.4 Fruit shape :	Straight (or slightly curved)
6.7.5 Transverse section of fruit :	Slightly ridged
6.7.6 Fruit apex :	Bottle-necked
6.7.7 Remains of flower relicts at fruit apex :	Base of the style prominent
6.7.8 Fruit pedicel length (mm) :	≥ 21
6.7.11 Fusion of pedicels :	Partially fused

Evaluation

7.1 Cycle under evaluation :	1 & 2
7.2 Number of plants evaluated :	5
7.3 Planting to shooting (days) :	225 - 275
7.4 Plant crop cycle (days) :	330 - 365
7.7 Pseudostem girth at 1m (cm) :	50 - 75
7.8 Height of following ratoon (m) :	2.5 - 3.5
7.9 Bunch weight (Kg) :	15 - 32
7.10 Number of hands :	7 - 11
7.11 Number of fruits :	150 - 175
7.12 Fruit length (cm) :	14 - 16
7.14 Fruit weight (g) :	150 - 173
7.15 Number of living leaves at flowering :	8 - 10
7.16 Number of living leaves at harvest :	0 - 2



Passport

ITC code :	ITC0825
Genus :	Musa
Section :	Eumusa
Genotype :	AAB
Subgroup :	Iholena
Origin :	-
Institute recording:	CARBAP
Curator :	Lucien IBOBONDJI

Descriptors

6.2.1 Pseudostem height (m) :	3.5 – 5.5
6.2.3 Pseudostem colour :	Green-red
6.2.5 Predominant underlying colour of the psdostem:	Light- green
6.2.7 Sap colour :	Watery
6.2.10 Development of suckers :	> ¼ and ¾ < of the height of the Parent plant
6.3.1 Blotches at the petiole base :	Large blotches
6.3.2 Blotches colour :	Dark-brown
6.3.3 Petiole canal of the III leaf :	Wide with erect margins
6.3.4 Petiole margins :	Winged and clasping the pseudostem
6.3.6 Petiole margin colour :	Pink/purple to red
6.3.7 Edge of petiole margin :	With a colour line along
6.3.14 Colour of leaf lower surface :	Medium green
6.3.22 Colour of outer surface of cigar leaf :	Green

Inflorescence / male bud

6.4.1 Penduncle length (cm) :	≥ 61
6.4.2 Empty nodes on peduncle :	Two or more
6.4.4 Penduncle colour :	Pink/purple
6.4.6 Bunch position :	Hanging vertically
6.4.7 Bunch Shape :	Cylindrical
6.4.8 Bunch appearance :	Lax
6.4.12 Rachis position :	Falling vertically
6.4.13 Rachis appearance :	Neutral flowers
6.4.14 Male bud type :	Normal (present)
6.4.15 Male bud shape :	Lanceolate
6.4.16 Male bud size at harvest (cm) :	≤ 20

Bract

6.5.2 Bract apex shape :	Intermediate
6.5.3 Bract imbrication :	Old bracts overlap at apex of bud
6.5.4 Colour of the bract external face :	Purple-brown
6.5.5 Colour of the bract internal face :	Red
6.5.6 Colour on the bract apex :	Not tinted with yellow
6.5.11 Male bract lifting :	Lifting two or more at a time
6.5.12 Bract behavior before falling :	Revolute

Male flower

6.6.1 Male flower behaviour :	Falling before the bract
6.6.2 Compound tepal basic colour :	Cream
6.6.3 Compound tepal pigmentation :	Rust-coloured spots
6.6.4 Lobe colour of compound tepal :	Yellow
6.6.13 Anther colour :	Cream
6.6.24 Dominant colour of male flower :	Cream

Fruit

6.7.1 Fruit position :	Perpendicular to the stalk
6.7.2 Number of fruits on third hand:	14
6.7.4 Fruit shape :	Straight (or slightly curved)
6.7.5 Transverse section of fruit :	Slightly ridged
6.7.6 Fruit apex :	Pointed
6.7.7 Remains of flower relicts at fruit apex :	Without any floral Relicts
6.7.8 Fruit pedicel length (mm) :	10 to 20
6.7.11 Fusion of pedicels :	Very Partially or no visible sign of fusion

Evaluation

7.1 Cycle under evaluation :	1 & 2
7.2 Number of plants evaluated :	5
7.3 Planting to shooting (days) :	235 - 250
7.4 Plant crop cycle (days) :	280 - 320
7.7 Pseudostem girth at 1m (cm) :	65 - 90
7.8 Heigh of following ratoon (m) :	2.5 – 3.6
7.9 Bunch weight (Kg) :	15 - 30
7.10 Number of hands :	8 - 11
7.11 Number of fruits :	112 - 173
7.12 Fruit length (cm) :	16 - 20
7.14 Fruit weight (g) :	150 - 170
7.15 Number of living leaves at flowering :	8 - 12
7.16 Number of living leaves at harvest :	4 - 6



Passport

ITC code :	ITC1120
Genus :	<i>Musa</i>
Section :	Eumusa
Species :	BBw
Subspecies :	Balbisiana
Origin :	South East Asia
Institute recording:	CARBAP
Curator :	Lucien IBOBONDJI

Descriptors

6.2.1 Pseudostem height (m) :	3.5 – 5.2
6.2.3 Pseudostem colour :	Green-dark
6.2.5 Predominant underlying colour of the pseudostem :	Green
6.2.7 Sap colour :	Watery
6.2.10 Development of suckers :	> ¾ and of the height of the Parent plant
6.3.1 Blotches at the petiole base :	Sparse blotching
6.3.2 Blotches colour :	Dark-brown
6.3.3 Petiole canal of the III leaf :	Margins curved inward
6.3.4 Petiole margins :	Winged and clasping the pseudostem
6.3.6 Petiole margin colour :	Green
6.3.7 Edge of petiole margin :	Colourless
6.3.14 Colour of leaf lower surface :	Green
6.3.22 Colour of outer surface of cigar leaf :	Green

Inflorescence / male bud

6.4.1 Penduncle length (cm) :	≤ 30
6.4.2 Empty nodes on peduncle :	1
6.4.4 Penduncle colour :	Green
6.4.6 Bunch position :	Slightly angled
6.4.7 Bunch Shape :	Cylindrical
6.4.8 Bunch appearance :	Very compact
6.4.12 Rachis position :	Falling vertically
6.4.13 Rachis appearance :	Bare
6.4.14 Male bud type :	Normal (present)
6.4.15 Male bud shape :	Intermediate
6.4.16 Male bud size at harvest (cm) :	≤ 20

Bract

6.5.2 Bract apex shape :	Obtuse and split
6.5.3 Bract imbrication :	Young bracts slightly overlap
6.5.4 Colour of the bract external face :	Red-purple
6.5.5 Colour of the bract internal face :	Red
6.5.6 Colour on the bract apex :	Tinted with yellow
6.5.11 Male bract lifting :	Lifting two or more at a time
6.5.12 Bract behavior before falling :	Not revolute

Male flower

6.6.1 Male flower behaviour :	Falling after the bract
6.6.2 Compound tepal basic colour :	Cream
6.6.3 Compound tepal pigmentation :	Rust-coloured spots
6.6.4 Lobe colour of compound tepal :	Yellow
6.6.13 Anther colour :	Cream
6.6.24 Dominant colour of male flower :	Cream

Fruit

6.7.1 Fruit position :	Curved upward
6.7.2 Number of fruits on third hand:	15
6.7.4 Fruit shape :	Straight (or slightly curved)
6.7.5 Transverse section of fruit :	Pronounced ridges
6.7.6 Fruit apex :	Bottle-necked
6.7.7 Remains of flower relicts at fruit apex :	Persistent style
6.7.8 Fruit pedicel length (mm) :	≥ 21
6.7.11 Fusion of pedicels :	Partially fused

Evaluation

7.1 Cycle under evaluation :	1 & 2
7.2 Number of plants evaluated :	5
7.3 Planting to shooting (days) :	345 - 380
7.4 Plant crop cycle (days) :	480 - 520
7.7 Pseudostem girth at 1m (cm) :	70 - 85
7.8 Height of following ratoon (m) :	3.2 – 4.7
7.9 Bunch weight (Kg) :	20 - 30
7.10 Number of hands :	15 - 18
7.11 Number of fruits :	265 - 330
7.12 Fruit length (cm) :	12 - 15
7.14 Fruit weight (g) :	90 - 120
7.15 Number of living leaves at flowering :	14 - 16
7.16 Number of living leaves at harvest :	7 - 9



Passport

ITC Code :	ITC1121
Genus :	Musa
Section :	Eumusa
Genotype :	AA
Subgroup :	Pisang Lilin
Origin :	-
Institute recording:	CARBAP
Curator :	Lucien IBOBONDJI

Descriptors

6.2.1 Pseudostem height (m) :	2.4 – 3.2
6.2.3 Pseudostem colour :	Green- yellow
6.2.5 Predominant underlying colour of the pseudostem :	Light Green
6.2.7 Sap colour :	Watery
6.2.10 Development of suckers :	> ¾ of the height of the Parent plant
6.3.1 Blotches at the petiole base :	Sparse blotching
6.3.2 Blotches colour :	Dark-brown
6.3.3 Petiole canal of the III leaf :	Straight with erect margins
6.3.4 Petiole margins :	Winged and not clasping the pseudostem
6.3.6 Petiole margin colour :	Pink/purple to red
6.3.7 Edge of petiole margin :	With a colour line along
6.3.14 Colour of leaf lower surface :	Medium green
6.3.22 Colour of outer surface of cigar leaf :	Green

Inflorescence / male bud

6.4.1 Penduncle length (cm) :	31 -60
6.4.2 Empty nodes on peduncle :	1
6.4.4 Penduncle colour :	Green
6.4.6 Bunch position :	Hanging at angle 45°
6.4.7 Bunch Shape :	Assymmetric
6.4.8 Bunch appearance :	Lax
6.4.12 Rachis position :	Falling vertically
6.4.13 Rachis appearance :	Bare
6.4.14 Male bud type :	Normal (present)
6.4.15 Male bud shape :	like a top
6.4.16 Male bud size at harvest (cm) :	≤ 20

Bract

6.5.2 Bract apex shape :	Pointed
6.5.3 Bract imbrication :	Old bracts overlap at apex of bud
6.5.4 Colour of the bract external face :	Purple
6.5.5 Colour of the bract internal face :	Pink-purple
6.5.6 Colour on the bract apex :	No tinted with yellow
6.5.11 Male bract lifting :	Lifting one at a time
6.5.12 Bract behavior before falling :	Revolute

Male flower

6.6.1 Male flower behaviour :	Falling before the bract
6.6.2 Compound tepal basic colour :	Cream
6.6.3 Compound tepal pigmentation :	Rust-coloured spots
6.6.4 Lobe colour of compound tepal :	Yellow
6.6.13 Anther colour :	Cream
6.6.24 Dominant colour of male flower :	Cream

Fruit

6.7.1 Fruit position :	Perpendicular to the stalk
6.7.2 Number of fruits on third hand:	16
6.7.4 Fruit shape :	Straight (or slightly curved)
6.7.5 Transverse section of fruit :	Slightly ridged
6.7.6 Fruit apex :	Lengthily pointed
6.7.7 Remains of flower relicts at fruit apex :	Without any floral Relicts
6.7.8 Fruit pedicel length (mm) :	11 to 20
6.7.11 Fusion of pedicels :	Partially fused

Evaluation

7.1 Cycle under evaluation :	1 & 2
7.2 Number of plants evaluated :	
7.3 Planting to shooting (days) :	185 -
215 7.4 Plant crop cycle (days) :	300 -
335 7.7 Pseudostem girth at 1m (cm) :	35
- 50 7.8 Height of following ratoon (m) :	2
- 3.3 7.9 Bunch weight (Kg) :	
7 - 13 7.10 Number of hands :	
6 - 9 7.11 Number of fruits :	90
- 150 7.12 Fruit length (cm) :	
16 - 20 7.14 Fruit weight (g) :	
100 - 130 7.15 Number of living leaves at flowering :	
8 - 12 7.16 Number of living leaves at harvest :	
2 -	5



Passport

ITC code :	ITC1122
Genus :	<i>Musa</i>
Section :	Eumusa
Genotype :	AAA
Subgroup :	Gros-Michel
Origin :	Cameroon
Institute recording:	CARBAP
Curator :	Lucien IBOBONDJI

Descriptors

6.2.1 Pseudostem height (m) :	3.75 – 4.75
6.2.3 Pseudostem colour :	Green-yellow
6.2.5 Predominant underlying colour of the pseudostem :	Green
6.2.7 Sap colour :	Watery
6.2.10 Development of suckers :	Taller than parent plant
6.3.1 Blotches at the petiole base :	Large blotches
6.3.2 Blotches colour :	Dark-brown
6.3.3 Petiole canal of the III leaf :	Straight with erect margins
6.3.4 Petiole margins :	Winged and not clasping the pseudostem
6.3.6 Petiole margin colour :	Pink/purple to red
6.3.7 Edge of petiole margin :	With a colour line along
6.3.14 Colour of leaf lower surface :	Green
6.3.22 Colour of outer surface of cigar leaf :	Green

Inflorescence / male bud

6.4.1 Penduncle length (cm) :	≥ 30
6.4.2 Empty nodes on peduncle :	1
6.4.4 Penduncle colour :	Green
6.4.6 Bunch position :	Slightly angled
6.4.7 Bunch Shape :	Cylindrical
6.4.8 Bunch appearance :	Compact
6.4.12 Rachis position :	With a curve
6.4.13 Rachis appearance :	Bare
6.4.14 Male bud type :	Normal (present)
6.4.15 Male bud shape :	Lanceolate
6.4.16 Male bud size at harvest (cm) :	20 to 30

Bract

6.5.2 Bract apex shape :	Intermediate
6.5.3 Bract imbrication :	Young bracts slightly overlap
6.5.4 Colour of the bract external face :	Red-purple
6.5.5 Colour of the bract internal face :	Pink-purple
6.5.6 Colour on the bract apex :	Not tinted with yellow
6.5.11 Male bract lifting :	Lifting two or more at a time
6.5.12 Bract behavior before falling :	Revolute

Male flower

6.6.1 Male flower behaviour :	Falling before the bract
6.6.2 Compound tepal basic colour :	Cream
6.6.3 Compound tepal pigmentation :	Rust-coloured spots
6.6.4 Lobe colour of compound tepal :	Yellow
6.6.13 Anther colour :	Cream
6.6.24 Dominant colour of male flower :	Cream

Fruit

6.7.1 Fruit position :	Parallel to the stalk
6.7.2 Number of fruits on third hand:	15
6.7.4 Fruit shape :	Straight (or slightly curved)
6.7.5 Transverse section of fruit :	Pronounced ridges
6.7.6 Fruit apex :	Pointed
6.7.7 Remains of flower relicts at fruit apex :	Base of the style prominent
6.7.8 Fruit pedicel length (mm) :	≥ 21
6.7.11 Fusion of pedicels :	Partially fused

Evaluation

7.1 Cycle under evaluation :	1 & 2
7.2 Number of plants evaluated :	5
7.3 Planting to shooting (days) :	310 - 330
7.4 Plant crop cycle (days) :	390 - 420
7.7 Pseudostem girth at 1m (cm) :	70 - 80
7.8 Height of following ratoon (m) :	2.7 – 3.3
7.9 Bunch weight (Kg) :	18 - 30
7.10 Number of hands :	8 - 11
7.11 Number of fruits :	153 - 215
7.12 Fruit length (cm) :	16 - 21
7.14 Fruit weight (g) :	150 -180
7.15 Number of living leaves at flowering :	8 - 10
7.16 Number of living leaves at harvest :	0 - 1



Passport

ITC code :	ITC1169
Genus :	Musa
Section :	Eumusa
Genotype :	AAB
Subgroup :	Maia Maoli / Popoulu
Origin :	-
Institute recording:	CARBAP
Curator :	Lucien IBOBONDJI

Descriptors

6.2.1 Pseudostem height (m) :	2.8 – 3.3
6.2.3 Pseudostem colour :	Medium green
6.2.5 Predominant underlying colour of the pseudostem :	Light Green
6.2.7 Sap colour :	Watery
6.2.10 Development of suckers :	> ¼ and ¾ < of the height of the Parent plant
6.3.1 Blotches at the petiole base :	Sparse blotching
6.3.2 Blotches colour :	Brown
6.3.3 Petiole canal of the III leaf :	Straight with erect margins
6.3.4 Petiole margins :	No winged and clasping the pseudostem
6.3.6 Petiole margin colour :	Pink/purple
6.3.7 Edge of petiole margin :	With a colour line along
6.3.14 Colour of leaf lower surface :	Medium green
6.3.22 Colour of outer surface of cigar leaf :	Green

Inflorescence / male bud

6.4.1 Penduncle length (cm) :	≥ 30
6.4.2 Empty nodes on peduncle :	1
6.4.4 Penduncle colour :	Green
6.4.6 Bunch position :	Hanging vertically
6.4.7 Bunch Shape :	Truncated cone shape
6.4.8 Bunch appearance :	Compact
6.4.12 Rachis position :	Falling vertically
6.4.13 Rachis appearance :	Bare
6.4.14 Male bud type :	Degenerating before maturity
6.4.15 Male bud shape :	Lanceolate
6.4.16 Male bud size at harvest (cm) :	≤ 20

Bract

6.5.2 Bract apex shape :	Intermediate
6.5.3 Bract imbrication :	Old bracts overlap at apex of bud
6.5.4 Colour of the bract external face :	Pink-purple
6.5.5 Colour of the bract internal face :	Red
6.5.6 Colour on the bract apex :	Not tinted with yellow
6.5.11 Male bract lifting :	Lifting one at a time
6.5.12 Bract behavior before falling :	Revolute

Male flower

6.6.1 Male flower behaviour :	Falling before the bract
6.6.2 Compound tepal basic colour :	Pink-purple
6.6.3 Compound tepal pigmentation :	Rust-coloured spots
6.6.4 Lobe colour of compound tepal :	Yellow
6.6.13 Anther colour :	Yellow
6.6.24 Dominant colour of male flower :	Pink / yellow

Fruit

6.7.1 Fruit position :	Perpendicular to the stalk
6.7.2 Number of fruits on third hand:	13
6.7.4 Fruit shape :	Straight (or slightly curved)
6.7.5 Transverse section of fruit :	Pronounced ridges
6.7.6 Fruit apex :	Rounded
6.7.7 Remains of flower relicts at fruit apex :	Persistent style
6.7.8 Fruit pedicel length (mm) :	≥ 21
6.7.11 Fusion of pedicels :	Partially fused

Evaluation

7.1 Cycle under evaluation :	1 & 2
7.2 Number of plants evaluated :	5
7.3 Planting to shooting (days) :	215 - 235
7.4 Plant crop cycle (days) :	295 - 335
7.7 Pseudostem girth at 1m (cm) :	45 - 65
7.8 Height of following ratoon (m) :	2.2 – 2.5
7.9 Bunch weight (Kg) :	12 - 20
7.10 Number of hands :	7 - 9
7.11 Number of fruits :	65 - 85
7.12 Fruit length (cm) :	15 - 17
7.14 Fruit weight (g) :	310 - 340
7.15 Number of living leaves at flowering :	8 - 10
7.16 Number of living leaves at harvest :	4 - 6



Passport

ITC code :	ITC1177
Genus :	<i>Musa</i>
Section :	Eumusa
Species :	Acuminata
Subspecies :	Zebrina
Origin :	Costa Rica
Institute recording:	CARBAP
Curator :	Lucien IBOBONDJI

Descriptors

6.2.1 Pseudostem height (m) :	2.1 to 2.9
6.2.3 Pseudostem colour :	Green-red
6.2.5 Predominant underlying colour of the pseudostem :	Green
6.2.7 Sap colour :	Watery
6.2.10 Development of suckers :	Taller than parent plant
6.3.1 Blotches at the petiole base :	Large blotches
6.3.2 Blotches colour :	Black-purple
6.3.3 Petiole canal of the III leaf :	Open with margins spreading
6.3.4 Petiole margins :	Winged and not clasping the pseudostem
6.3.6 Petiole margin colour :	Pink/purple to red
6.3.7 Edge of petiole margin :	With a colour line along
6.3.14 Colour of leaf lower surface :	Red-purple
6.3.22 Colour of outer surface of cigar leaf :	Red-purple

Inflorescence / male bud

6.4.1 Penduncle length (cm) :	≤ 30
6.4.2 Empty nodes on peduncle :	1
6.4.4 Penduncle colour :	Pink/purple
6.4.6 Bunch position :	Horizontal
6.4.7 Bunch Shape :	Cylindrical
6.4.8 Bunch appearance :	Lax
6.4.12 Rachis position :	Horizontal
6.4.13 Rachis appearance :	Bare
6.4.14 Male bud type :	Normal (present)
6.4.15 Male bud shape :	like a top
6.4.16 Male bud size at harvest (cm) :	≤ 20

Bract

6.5.2 Bract apex shape :	Intermediate
6.5.3 Bract imbrication :	Yang bracts slightly overlap
6.5.4 Colour of the bract external face :	Red-purple
6.5.5 Colour of the bract internal face :	Pink-purple
6.5.6 Colour on the bract apex :	No tinted with yellow
6.5.11 Male bract lifting :	Lifting one at a time
6.5.12 Bract behavior before falling :	Revolute

Male flower

6.6.1 Male flower behaviour :	Falling with the bract
6.6.2 Compound tepal basic colour :	Cream
6.6.3 Compound tepal pigmentation :	Presence of pink
6.6.4 Lobe colour of compound tepal :	Yellow
6.6.13 Anther colour :	Cream
6.6.24 Dominant colour of male flower :	Cream

Fruit

6.7.1 Fruit position :	Perpendicular to the stalk
6.7.2 Number of fruits on third hand:	14
6.7.4 Fruit shape :	Straight (or slightly curved)
6.7.5 Transverse section of fruit :	Slightly ridged
6.7.6 Fruit apex :	Bottle-necked
6.7.7 Remains of flower relicts at fruit apex :	Without any floral relicts
6.7.8 Fruit pedicel length (mm) :	≥ 10
6.7.11 Fusion of pedicels :	Partially fused

Evaluation

7.1 Cycle under evaluation :	1 & 2
7.2 Number of plants evaluated :	5
7.3 Planting to shooting (days) :	250 - 300
7.4 Plant crop cycle (days) :	385 - 420
7.7 Pseudostem girth at 1m (cm) :	25 - 30
7.8 Height of following ratoon (m) :	2.4 - 2.9
7.9 Bunch weight (Kg) :	1 - 3
7.10 Number of hands :	7 - 9
7.11 Number of fruits :	73 - 130
7.12 Fruit length (cm) :	7 - 10
7.14 Fruit weight (g) :	--
7.15 Number of living leaves at flowering :	9 - 12
7.16 Number of living leaves at harvest :	2 - 3



Passport

ITC code :	ITC1187
Genus :	Musa
Section :	Eumusa
Genotype :	AAcv
Subspecies :	AAcv Banksii der.
Origin :	PNG
Institute recording:	CARBAP
Curator :	Lucien IBOBONDJI

Descriptors

6.2.1 Pseudostem height (m) :	1.7 - 2.5
6.2.3 Pseudostem colour :	Green
6.2.5 Predominant underlying colour of the pseudostem :	Light Green
6.2.7 Sap colour :	Watery
6.2.10 Development of suckers :	> ¼ and < of the height of the Parent plant
6.3.1 Blotches at the petiole base :	Small blotches
6.3.2 Blotches colour :	Dark-brown
6.3.3 Petiole canal of the III leaf :	Wide with erect margins
6.3.4 Petiole margins :	Winged and not clasping the pseudostem
6.3.6 Petiole margin colour :	Green
6.3.7 Edge of petiole margin :	Colourless
6.3.14 Colour of leaf lower surface :	Medium green
6.3.22 Colour of outer surface of cigar leaf :	Green

Inflorescence / male bud

6.4.1 Penduncle length (cm) :	≥ 61
6.4.2 Empty nodes on peduncle :	Two or more
6.4.4 Penduncle colour :	Green
6.4.6 Bunch position :	Hanging vertically
6.4.7 Bunch Shape :	Asymetric
6.4.8 Bunch appearance :	Lax
6.4.12 Rachis position :	Falling vertically
6.4.13 Rachis appearance :	Bare
6.4.14 Male bud type :	Normal (present)
6.4.15 Male bud shape :	like a top
6.4.16 Male bud size at harvest (cm) :	≤ 20

Bract

6.5.2 Bract apex shape :	Pointed
6.5.3 Bract imbrication :	Young bracts slightly
6.5.4 Colour of the bract external face :	Green
6.5.5 Colour of the bract internal face :	Green or yellow
6.5.6 Colour on the bract apex :	Not tinted with yellow
6.5.11 Male bract lifting :	Lifting two or more at a time
6.5.12 Bract behavior before falling :	Revolute

Male flower

6.6.1 Male flower behaviour :	Falling before the bract
6.6.2 Compound tepal basic colour :	Cream
6.6.3 Compound tepal pigmentation :	Rust-coloured spots
6.6.4 Lobe colour of compound tepal :	Yellow
6.6.13 Anther colour :	Cream
6.6.24 Dominant colour of male flower :	Cream

Fruit

6.7.1 Fruit position :	Perpendicular to the stalk
6.7.2 Number of fruits on third hand:	12
6.7.4 Fruit shape :	Slightly curved
6.7.5 Transverse section of fruit :	Pronounced ridges
6.7.6 Fruit apex :	Pointed
6.7.7 Remains of flower relicts at fruit apex :	Persistent style
6.7.8 Fruit pedicel length (mm) :	≥ 21
6.7.11 Fusion of pedicels :	No visible sign of fusion

Evaluation

7.1 Cycle under evaluation :	1 & 2
7.2 Number of plants evaluated :	5
7.3 Planting to shooting (days) :	210 - 230
7.4 Plant crop cycle (days) :	270 - 320
7.7 Pseudostem girth at 1m (cm) :	34 - 45
7.8 Heigh of following ratoon (m) :	1.1 - 1.6
7.9 Bunch weight (Kg) :	7 - 15
7.10 Number of hands :	4 - 6
7.11 Number of fruits :	25 - 45
7.12 Fruit length (cm) :	21 - 25
7.14 Fruit weight (g) :	250 - 300
7.15 Number of living leaves at flowering :	10 - 12
7.16 Number of living leaves at harvest :	3 - 7



Passport

ITC code :	ITC1287
Genus :	Musa
Section :	Eumusa
Genotype :	AAA
Subspecies :	Lakatan
Origin :	-
Institute recording:	CARBAP
Curator :	Lucien IBOBONDJI

Descriptors

6.2.1 Pseudostem height (m) :	2.5 - 3.2
6.2.3 Pseudostem colour :	Green
6.2.5 Predominant underlying colour of the pseudostem :	Light Green
6.2.7 Sap colour :	Watery
6.2.10 Development of suckers :	Inhibited
6.3.1 Blotches at the petiole base :	Small blotches
6.3.2 Blotches colour :	Brown-black
6.3.3 Petiole canal of the III leaf :	Open with margins spreading
6.3.4 Petiole margins :	Winged and clasping the pseudostem
6.3.6 Petiole margin colour :	Green
6.3.7 Edge of petiole margin :	With a colour line along
6.3.14 Colour of leaf lower surface :	Medium green
6.3.22 Colour of outer surface of cigar leaf :	Green

Inflorescence / male bud

6.4.1 Penduncle length (cm) :	31-60
6.4.2 Empty nodes on peduncle :	1
6.4.4 Penduncle colour :	Medium-green
6.4.6 Bunch position :	Hanging at angle 45°
6.4.7 Bunch Shape :	Cylindrical
6.4.8 Bunch appearance :	Very lax
6.4.12 Rachis position :	Falling vertically
6.4.13 Rachis appearance :	Bare
6.4.14 Male bud type :	Normal (present)
6.4.15 Male bud shape :	Ovoid
6.4.16 Male bud size at harvest (cm) :	≤ 20

Bract

6.5.2 Bract apex shape :	Obtuse
6.5.3 Bract imbrication :	Old bracts overlap at apex of bud
6.5.4 Colour of the bract external face :	Purple-brown
6.5.5 Colour of the bract internal face :	Pink-white
6.5.6 Colour on the bract apex :	No tinted with yellow
6.5.11 Male bract lifting :	Lifting two or more at a time
6.5.12 Bract behavior before falling :	Revolute

Male flower

6.6.1 Male flower behaviour :	Falling after the bract
6.6.2 Compound tepal basic colour :	Cream
6.6.3 Compound tepal pigmentation :	Presence of pink
6.6.4 Lobe colour of compound tepal :	Yellow
6.6.13 Anther colour :	Cream
6.6.24 Dominant colour of male flower :	Cream

Fruit

6.7.1 Fruit position :	Curved upward
6.7.2 Number of fruits on third hand:	14
6.7.4 Fruit shape :	Straight (or slightly curved)
6.7.5 Transverse section of fruit :	Slightly ridged
6.7.6 Fruit apex :	Pointed
6.7.7 Remains of flower relicts at fruit apex :	Persistent style
6.7.8 Fruit pedicel length (mm) :	11-20
6.7.11 Fusion of pedicels :	Partially fused

Evaluation

7.1 Cycle under evaluation :	1 & 2
7.2 Number of plants evaluated :	5
7.3 Planting to shooting (days) :	
7.4 Plant crop cycle (days) :	80 - 97
7.7 Pseudostem girth at 1m (cm) :	60 -70
7.8 Heigth of following ratoon (m) :	2.1 – 2.5
7.9 Bunch weight (Kg) :	5 -10
7.10 Number of hands :	6 - 8
7.11 Number of fruits :	85 - 110
7.12 Fruit length (cm) :	12 - 15
7.14 Fruit weight (g) :	100 -120
7.15 Number of living leaves at flowering :	8 - 10
7.16 Number of living leaves at harvest :	0 - 1



Passport

ITC code :	ITC1441
Genus :	<i>Musa</i>
Section :	Eumusa
Genotype :	AAB
Subgroup :	Mysore
Origin :	Malaysia
Institute recording:	CARBAP
Curator :	Lucien IBOBONDJI

Descriptors

6.2.1 Pseudostem height (m) :	3.3 – 4.6
6.2.3 Pseudostem colour :	Green yellow
6.2.5 Predominant underlying colour of the pseudostem :	Green
6.2.7 Sap colour :	Watery
6.2.10 Development of suckers :	> ¾ of the height of the Parent plant
6.3.1 Blotches at the petiole base :	Large blotches
6.3.2 Blotches colour :	Brown dark
6.3.3 Petiole canal of the III leaf :	Wide with erect margins
6.3.4 Petiole margins :	Winged and not clasping the pseudostem
6.3.6 Petiole margin colour :	Green
6.3.7 Edge of petiole margin :	With a colour line along
6.3.14 Colour of leaf lower surface :	Medium green
6.3.22 Colour of outer surface of cigar leaf :	Green

Inflorescence / male bud

6.4.1 Penduncle length (cm) :	31-60
6.4.2 Empty nodes on peduncle :	≥ 2
6.4.4 Penduncle colour :	Green
6.4.6 Bunch position :	Slightly angled
6.4.7 Bunch Shape :	Cylindrical
6.4.8 Bunch appearance :	Compact
6.4.12 Rachis position :	Falling vertically
6.4.13 Rachis appearance :	Bare or Small bunch from neutral / Hermaphrodite flowers just above the male bud
6.4.14 Male bud type :	Normal (present)
6.4.15 Male bud shape :	Intermediate
6.4.16 Male bud size at harvest (cm) :	≤ 20

Bract

6.5.2 Bract apex shape :	Intermediate
6.5.3 Bract imbrication :	Young bracts slightly overlap
6.5.4 Colour of the bract external face :	Purple-brown
6.5.5 Colour of the bract internal face :	Pink-purple
6.5.6 Colour on the bract apex :	Not tinted with yellow
6.5.11 Male bract lifting :	Lifting one at a time
6.5.12 Bract behavior before falling :	Revolute

Male flower

6.6.1 Male flower behaviour :	Falling before the bract
6.6.2 Compound tepal basic colour :	Cream
6.6.3 Compound tepal pigmentation :	Rust-coloured spots
6.6.4 Lobe colour of compound tepal :	Yellow
6.6.13 Anther colour :	Cream
6.6.24 Dominant colour of male flower :	Cream

Fruit

6.7.1 Fruit position :	Curved upward
6.7.2 Number of fruits on third hand:	15
6.7.4 Fruit shape :	Straight (or slightly curved)
6.7.5 Transverse section of fruit :	Slightly ridged
6.7.6 Fruit apex :	Pointed
6.7.7 Remains of flower relicts at fruit apex :	Base of the style prominent
6.7.8 Fruit pedicel length (mm) :	≥ 21
6.7.11 Fusion of pedicels :	Partially fused

Evaluation

7.1 Cycle under evaluation :	1 & 2
7.2 Number of plants evaluated :	5
7.3 Planting to shooting (days) :	245 - 265
7.4 Plant crop cycle (days) :	345 - 365
7.7 Pseudostem girth at 1m (cm) :	60 - 80
7.8 Height of following ratoon (m) :	2.8 – 4.3
7.9 Bunch weight (Kg) :	25 - 45
7.10 Number of hands :	10 - 17
7.11 Number of fruits :	130 - 160
7.12 Fruit length (cm) :	13 - 15
7.14 Fruit weight (g) :	150 -200
7.15 Number of living leaves at flowering :	10 - 14
7.16 Number of living leaves at harvest :	5 - 7



Passport

ITC code :	ITC1483
Genus :	Musa
Section :	Eumusa
Genotype :	ABB
Subgroup :	Monthan
Origin :	India
Institute recording:	CARBAP
Curator :	Lucien IBOBONDJI

Descriptors

6.2.1 Pseudostem height (m) :	3.5 – 4.5
6.2.3 Pseudostem colour :	Green
6.2.5 Predominant underlying colour of the pseudostem :	Green
6.2.7 Sap colour :	Milky
6.2.10 Development of suckers :	> ¼ and < of the height of the Parent plant
6.3.1 Blotches at the petiole base :	Sparse blotching
6.3.2 Blotches colour :	Dark-brown
6.3.3 Petiole canal of the III leaf :	Margins curved inward
6.3.4 Petiole margins :	Winged and not clasping the pseudostem
6.3.6 Petiole margin colour :	Green
6.3.7 Edge of petiole margin :	Colourless
6.3.14 Colour of leaf lower surface :	Medium green
6.3.22 Colour of outer surface of cigar leaf :	Green

Inflorescence / male bud

6.4.1 Penduncle length (cm) :	31-60
6.4.2 Empty nodes on peduncle :	Two or more
6.4.4 Penduncle colour :	Green
6.4.6 Bunch position :	Hanging at angle 45°
6.4.7 Bunch Shape :	Cylindrical
6.4.8 Bunch appearance :	Compact
6.4.12 Rachis position :	Falling vertically
6.4.13 Rachis appearance :	Small bunch from neutral flowers just Above the male bud
6.4.14 Male bud type :	Normal (present)
6.4.15 Male bud shape :	like a top
6.4.16 Male bud size at harvest (cm) :	≤ 20

Bract

6.5.2 Bract apex shape :	Intermediate
6.5.3 Bract imbrication :	Young bracts slightly overlap
6.5.4 Colour of the bract external face :	Purple-brown
6.5.5 Colour of the bract internal face :	Red
6.5.6 Colour on the bract apex :	Not tinted with yellow
6.5.11 Male bract lifting :	Lifting one at a time
6.5.12 Bract behavior before falling :	Revolute

Male flower

6.6.1 Male flower behaviour :	Falling before the bract
6.6.2 Compound tepal basic colour :	Pink-purple
6.6.3 Compound tepal pigmentation :	Presence of pink
6.6.4 Lobe colour of compound tepal :	Yellow
6.6.13 Anther colour :	Cream
6.6.24 Dominant colour of male flower :	Pink-purple

Fruit

6.7.1 Fruit position :	Parallel to the stalk
6.7.2 Number of fruits on third hand:	12
6.7.4 Fruit shape :	Straight in the distal part
6.7.5 Transverse section of fruit :	Pronounced ridges
6.7.6 Fruit apex :	Bottle-necked
6.7.7 Remains of flower relicts at fruit apex :	Base of the style prominent
6.7.8 Fruit pedicel length (mm) :	≥ 21
6.7.11 Fusion of pedicels :	Very partially visible sign of fusion

Evaluation

7.1 Cycle under evaluation :	1 & 2
7.2 Number of plants evaluated :	5
7.3 Planting to shooting (days) :	220 - 262
7.4 Plant crop cycle (days) :	320 - 360
7.7 Pseudostem girth at 1m (cm) :	45 - 67
7.8 Heigth of following ratoon (m) :	3.1
7.9 Bunch weight (Kg) :	25 - 40
7.10 Number of hands :	10 – 19
7.11 Number of fruits :	125 - 254
7.12 Fruit length (cm) :	20 -22
7.14 Fruit weight (g) :	200 - 250
7.15 Number of living leaves at flowering :	8 - 10
7.16 Number of living leaves at harvest :	1 - 4



Passport

ITC Code :	ITC1325
Genus :	<i>Musa</i>
Section :	Eumusa
Genotype :	AAB
Subgroup :	Plantain-False-Horn
Origin :	Nigeria
Institute recording:	CARBAP
Curator :	Lucien IBOBONDJI

Descriptors

6.2.1 Pseudostem height (m) :	≥ 3.
6.2.3 Pseudostem colour :	Green-yellow
6.2.5 Predominant underlying colour of the pseudostem :	Green
	Red
6.2.7 Sap colour :	Watery
6.2.10 Development of suckers :	> ¾ and ¾ < of the height of the Parent plant
6.3.1 Blotches at the petiole base :	Small blotches
6.3.2 Blotches colour :	Dark-brown
6.3.3 Petiole canal of the III leaf :	Margins curved inward
6.3.4 Petiole margins :	Winged and clasping the pseudostem
6.3.6 Petiole margin colour :	Pink/purple to red
6.3.7 Edge of petiole margin :	With a colour line along
6.3.14 Colour of leaf lower surface :	Medium green
6.3.22 Colour of outer surface of cigar leaf :	Green

Inflorescence / male bud

6.4.1 Penduncle length (cm) :	3.2 – 4.2
6.4.2 Empty nodes on peduncle :	1
6.4.4 Penduncle colour :	Green
6.4.6 Bunch position :	Slightly angle
6.4.7 Bunch Shape :	Cylindrical
6.4.8 Bunch appearance :	Lax
6.4.12 Rachis position :	Falling vertically
6.4.13 Rachis appearance :	Neutral flowers
6.4.14 Male bud type :	Degenerating before maturity
6.4.15 Male bud shape :	--
6.4.16 Male bud size at harvest (cm) :	--

Bract

6.5.2 Bract apex shape :	--
6.5.3 Bract imbrication :	--
6.5.4 Colour of the bract external face :	--
6.5.5 Colour of the bract internal face :	--
6.5.6 Colour on the bract apex :	--
6.5.11 Male bract lifting :	--
6.5.12 Bract behavior before falling :	--

Male flower

6.6.1 Male flower behaviour :	--
6.6.2 Compound tepal basic colour :	--
6.6.3 Compound tepal pigmentation :	--
6.6.4 Lobe colour of compound tepal :	--
6.6.13 Anther colour :	--
6.6.24 Dominant colour of male flower :	--

Fruit

6.7.1 Fruit position :	Curved upward
6.7.2 Number of fruits on third hand:	15
6.7.4 Fruit shape :	Slightly curved
6.7.5 Transverse section of fruit :	Slightly ridged
6.7.6 Fruit apex :	Slightly pointed
6.7.7 Remains of flower relicts at fruit apex :	Base of the style prominent
6.7.8 Fruit pedicel length (mm) :	≥ 21
6.7.11 Fusion of pedicels :	Partially fused

Evaluation

7.1 Cycle under evaluation :	1 & 2
7.2 Number of plants evaluated :	5
7.3 Planting to shooting (days) :	250 - 270
7.4 Plant crop cycle (days) :	350 - 370
7.7 Pseudostem girth at 1m (cm) :	50 - 70
7.8 Height of following ratoon (m) :	2.5 – 3.2
7.9 Bunch weight (Kg) :	15 - 25
7.10 Number of hands :	8 - 10
7.11 Number of fruits :	55 - 75
7.12 Fruit length (cm) :	25 - 30
7.14 Fruit weight (g) :	200 - 250
7.15 Number of living leaves at flowering :	8 - 9
7.16 Number of living leaves at harvest :	1 - 3





Diversity of Musa at Carpap Njombé, December 2015