

VICARP R & D INFORMATION SHEETS

CHARACTERISTICS OF DIFFERENT VISCA COCONUT ACCESSIONS

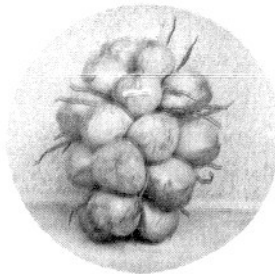
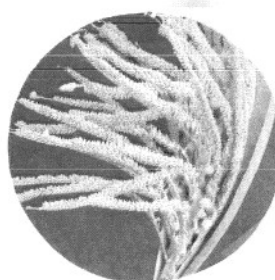
ViSCA's Coconut Accessions

A. Tall

1. Agta
2. Baybay
3. Cuyamis
4. Dive
5. Lanahon
6. Limbajon
7. Puringkitan
8. Salawad Tall
9. Spicata

B. Dwarf

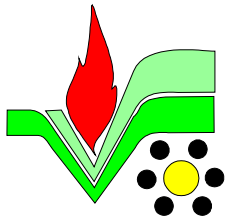
1. Albuera Dwarf
2. Aromatic
3. Bilaka Bohol
4. Camotes
5. Catigan
6. Clarin
7. Coconiño
8. Dajili
9. Dumano
10. Linkuranay
11. Malayan Red Dwarf
12. Malayan Yellow Dwarf
13. Tacunan
14. Sogod Dwarf



I. Fully-bearing Accessions

A. TALL

Name : Baybay Tall
 Code : BAY
 Source : ViSCA, Baybay, Leyte
 Distribution : widely distributed in western part of Leyte



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Characteristics:

A. Morphology

- Stem : big, with bole
- Crown : circular; 75% of leaves erect; with about 34 functional leaves
- Inflorescence : green or brown; spathe is broad and long; rachis and spikelets are long; button count ranges from 16 to 50
- Bunch : straddling; with short peduncle; long and big
- Nut : green or brown when young; calyx region with light pink line; broad; with protruding stigmatic point, dehusked nuts hemispherical to spherical

B. Precocity

Flowers at 4-6 from planting with an average trunk height of 75-88 cm

C. Pollination Habit

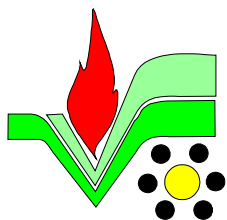
Highly cross pollinated with about 17-20% intraspadix overlapping

D. Yield and Yield Components

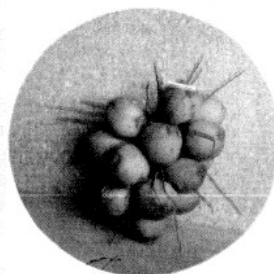
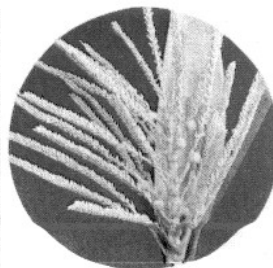
Nuts/tree/year: 55-76	Nuts/ha/year: 6765-9348
Copra/nut: 280-330 g	Copra/ha/year: 18943985 kg

E. Other Important Characteristics:

- Meat thickness is about 11.8 mm
- Slightly susceptible to bud rot



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B. DWARF

Name: Albuera Dwarf
Code : ALD
Source : Albuera, Leyte
Distribution : Limited

Characteristics:

A. Morphology

Stem : medium-sized; without bole

Crown : X-shaped; 40-60% of leaves erect; with more or less 22 functional leaves

Inflorescence : green or brown; with long rachis and long numerous female flowers ranging from 9 to 345

Bunch : pendant; with long peduncle; medium to big

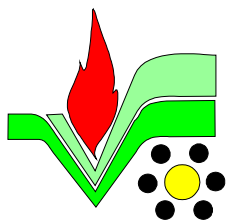
Nut : green or brown when young; calyx region dark pink; medium-sized; angular in shape; with protruding stigmatic point; dehusked nuts oblong

B. Precocity

Flowers at 2-3 years from planting with an average trunk height of 13-23 cm

C. Pollination Habit

Self-pollinating with 73% intraspadix overlapping



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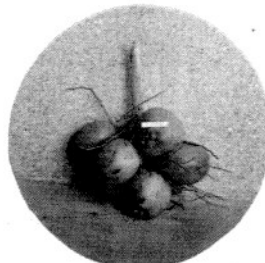
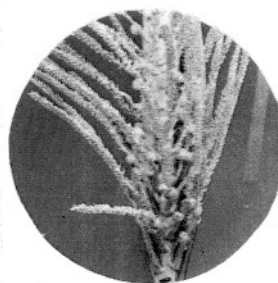
D. Yield and Yield Components

Nuts/tree/year: 73-106
Copra/nut: 131-279 g

Nuts/ha/year: 11680-16960
Copra/ha/year: 1530-4732 kg

E. Other Important Characteristics

- Meat thickness is about 10.8 mm
- Slightly susceptible to bud rot



Name : Bilaka Bohol
Code : BBC
Source : Bohol
Distribution : Limited

Characteristics:

A. Morphology

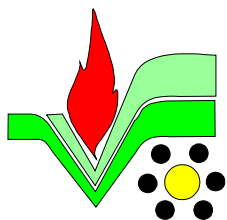
Stem : medium-sized; without bole

Crown : semi-circular or circular; 60-70% of leaves erect; with about 25 functional leaves

Inflorescence : green, rachis is short with long spikelets

Bunch : pendant; with short peduncle; small to medium

Nut : green when young; calyx region with very light pink line; medium-sized; spherical; with sunken stigmatic point; dehusked nuts spherical



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B. Precocity

Flowers at 2-3 years from planting with an average trunk height of 10-16 cm

C. Pollination Habit

Self-pollinated with 71% intraspadix overlapping

D. Yield and Yield Components

Nuts/tree/year: 55-76

Copra/nut: 280-330 g

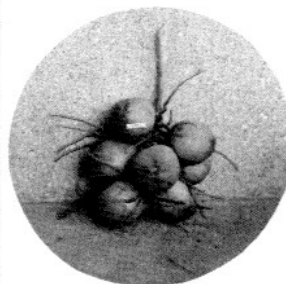
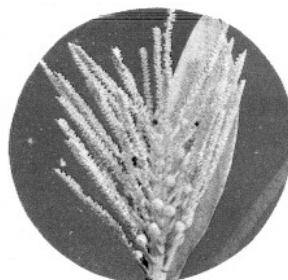
Nuts/ha/year: 6765-9346

Copra/ha/year: 1894-3085 kg

E. Other Important Characteristics

- Meat thickness is about 11.0 mm

- Resistant to bud rot



Name	: Camotes
Code	: CAM
Source	: Camotes, Cebu
Distribution	: Limited

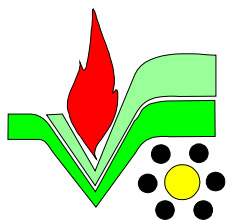
Characteristics:

A. Morphology

Stem : medium-sized; without bole

Crown : circular; 60-70% of leaves erect; with about 27-functional leaves

Inflorescence : green with long rachis and spikelets; button count ranges from 16 to 48



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Bunch : pendant; with long peduncle; medium to big

Nut : green when young; calyx region with very light pink line; medium to big-sized; broad; with sunken stigmatic point; dehusked nuts spherical

B. Precocity

Flowers at 2-3 years from planting with an average trunk height of 9-27 cm

C. Pollination Habit

Self-pollinated with 71% intraspadix overlapping

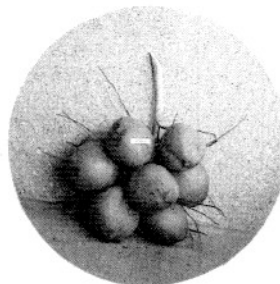
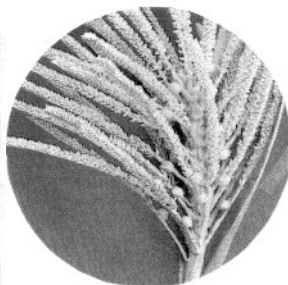
D. Yield and Yield Components

Nuts/tree/year: 48-95
Copra/nut: 210-240 g

Nuts/ha/year: 7680-15200
Copra/ha/year: 1613-3648 kg

E. Other Important Characteristics

- Meat thickness is about 11.4 mm
- Slightly susceptible to bud rot

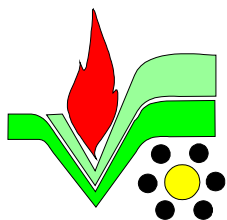


Name: Catigan

Code : CAT

Source : Catigan, Davao

Distribution : Limited



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Characteristics:

A. Morphology

- Stem : medium-sized; without bole
- Crown : circular, 50-70% of leaves erect; with about 29 functional leaves
- Inflorescence : green, rachis and spikelets are long, button count ranges from 15 to 70
- Bunch : pendant; with long peduncle; small to medium
- Nut : green when young; calyx region with very light pink line; broad; with protruding stigmatic point; dehusked nuts spherical

B. Precocity

Flowers at 2-3 years after planting with an average trunk height of 13-25 cm

C. Pollination Habit

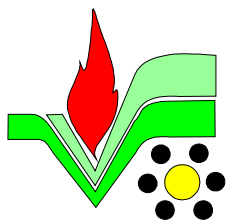
Self-pollinated with 80% intraspadix overlapping

D. Yield and Yield Components

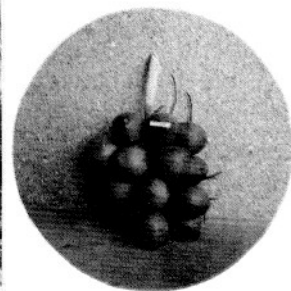
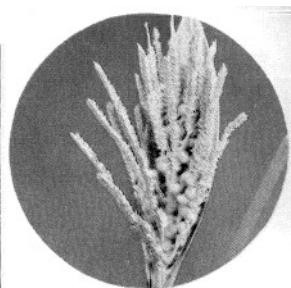
Nuts/tree/year: 49-67	Nuts/ha/year: 7840-10720
Copra/nut: 180-235 g	Copra/ha/year: 1411-2519 kg

E. Other Important Characteristics

- Meat thickness is about 11.8 mm
- Slightly susceptible to bud rot



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Name: Coconifio
Code : CÑO
Source : UPLB, College, Laguna
Distribution : Sporadic as ornamental

Characteristics:

A. Morphology

Stem : small-sized; without bole
Crown : semi-circular or circular; 50-70% of leaves erect; with about 27 functional leaves
Inflorescence : green; rachis and spikelets are short; with numerous small-sized nuts
Nuts : green when young; calyx region dark pink; small-sized; oblong; with protruding stigmatic point; dehusked nuts egg-shaped to spherical

B. Precocity

Flowers at 2-3 years after planting with an average trunk height of 12-20 cm

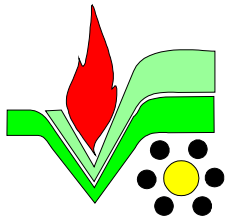
C. Pollination Habit

Self-pollinated with 100% intraspadix overlapping

D. Yield and Yield Components

Nuts/tree/year: 97-166
Copra/nut: 95-155 g

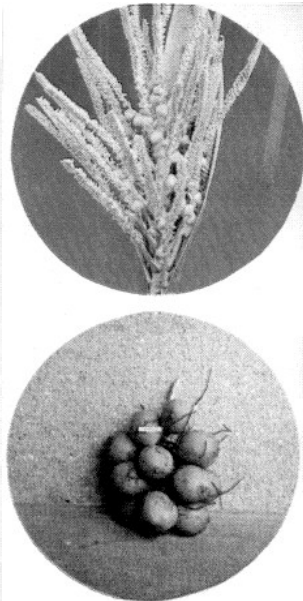
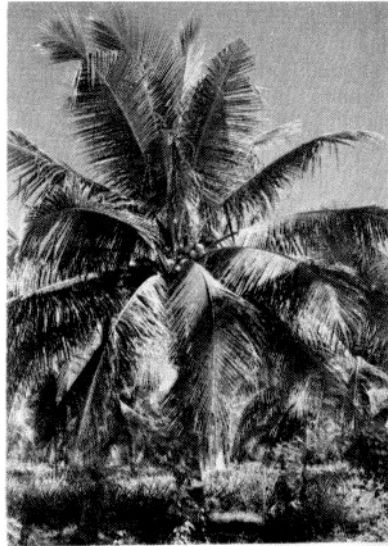
Nuts/ha/year: 15520-26560
Copra/ha/year: 1474-3054 kg



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E. Other Important Characteristics

- Meat thickness is about 9.2 mm
- Nut water at tender meat stage very sweet
- Slightly susceptible to bud rot



Name: Lingkurana
 Code : LKY
 Source : Baybay, Leyte
 Distribution : Sporadic as ornamental

Characteristics:

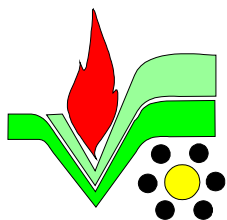
A. Morphology

- Stem : medium-sized; without bole
- Crown : circular or X-shaped; 60-70% of leaves erect; with about 28 functional leaves
- Inflorescence : green; rachis and spikelets short; button count ranges from 16 to 66
- Bunch : most are pendant while some are straddling ; with short peduncle; medium-sized
- Nut : green when young; calyx region dark pink; small-sized; oblong; with a few cracks in exocarp; with protruding stigmatic point; dehusked nuts spherical

B. Precocity

Flowers at 2-3 years after planting with an average trunk height of 14-17 cm

C. Pollination Habit



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Highly self-pollinated with 85% intraspadix overlapping

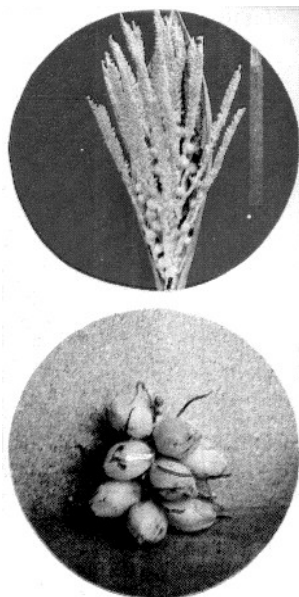
D. Yield and Yield Components

Nuts/tree/year: 62-105
Copra/nut: 100-130 g

Nuts/ha/year: 10400-16800
Copra/ha/year: 1040-2184 kg

E. Other Important Characteristics

- Meat thickness is about 9.8 mm
- Slightly susceptible to bud rot



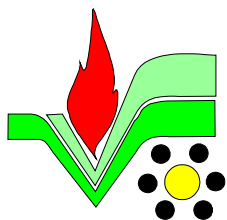
Name: Malayan Red Dwarf (Orange Dwarf)
Code : MRD
Source : PCA, Zamboanga
Distribution : Sporadic as ornamental

Characteristics:

A. Morphology

- Stem : medium-sized; without bole
- Crown : circular; 70-80% of leaves erect; with about 27 functional leaves
- Inflorescence : bright orange; button count ranges from 18 to 112
- Bunch : bright orange when young; calyx region without pink coloration; medium-sized; whole and dehusked nuts oblong; with sunken stigmatic point

B. Precocity



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Flowers at 2-3 years after planting with an average trunk height of 14-25 cm

C. Pollination Habit

Highly self-pollinated with 90% intraspadix overlapping

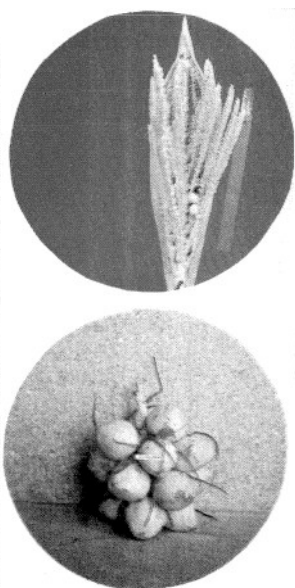
D. Yield and Yield Components

Nuts/tree/year: 34-93
Copra/nut: 155-190 g

Nuts/ha/year: 5440-14880
Copra/ha/year: 843-2827 kg

E. Other Important Characteristics

- Meat thickness is about 10.6
- Very susceptible to bud rot
- Very susceptible to strong wind



Name: Malayan Yellow Dwarf (Yellow Dwarf)
Code : MYD
Source : PCA, Zamboanga
Distribution : Sporadic as ornamental

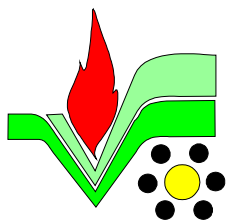
Characteristics:

A. Morphology

Stem : medium-sized; without bole

Crown : circular; 70-80% of leaves erect; with about 24 functional leaves

Inflorescence : yellow; rachis and spikelets short; button count ranges from 15 to 84



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Bunch : pendant; small to medium

Nut : yellow when young; calyx region without pink coloration; small to medium-sized; oblong; with sunken stigmatic point; dehusked nuts oblong to spherical

B. Precocity

Flowers at 2-3 years after planting with an average trunk height of 14-25 cm

C. Pollination Habit

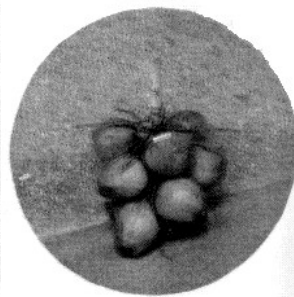
Self-pollinated with 90% intraspadix overlapping

D. Yield and Yield Components

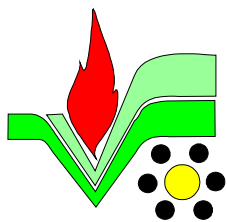
Nuts/tree/year	:	34-77	Nuts/ha/year	:	5440-14880
Copra/nut	:	115-160 g	Copra/ha/year	:	843-2827 kg

E. Other Important Characteristics

- Meat thickness is about 10.0 mm
- Slightly susceptible to bud rot



Name: Tacunan
Code : TAC
Source : Tacunan, Davao
Distribution : Limited



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Characteristics:

A. Morphology

- Stem : medium to big; bole absent
- Crown : circular; 70-80% of leaves erect; with about 28 functional leaves
- Inflorescence : green; unopened spathes flat; rachis medium in length but spikelets are very short; button count ranges from 19-79
- Bunch : pendant; with short peduncle; medium to big
- Nut : green when young; calyx region with light pink line; medium-sized; oblong with ridge and usually cracks at the stigmatic end of the exocarp; with sunken stigmatic point; dehusked nuts oblong to spherical

B. Precocity

Flowers at 2-3 years after planting with an average trunk height of 9-18 cm

C. Pollination Habit

Self-pollinated with 67% intraspadix overlapping

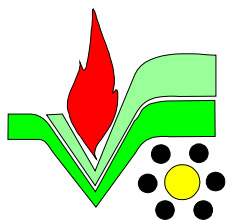
D. Yield and Yield Components

Nuts/tree/year: 48-78
Copra/nut: 208-270 g

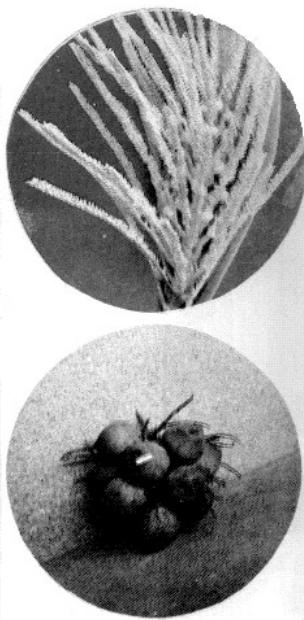
Nuts/ha/year: 7680-12480
Copra/ha/year: 1597-3370 kg

E. Other Important Characteristics

- Meat thickness is about 11.1 mm
- Slightly susceptible to bud rot



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II. Bearing Accessions with Limited Stand

A. TALL

Name: Agta (Agtaon, Lubi sa Moros)
Code : ACT
Source : San Ricardo, Southern Leyte
Distribution : Limited

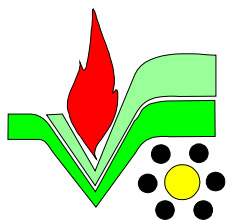
Characteristics:

A. Morphology

Stem : big, with bole
Crown : circular; 70-85% of leaves erect; with more or less 28 functional leaves
Inflorescence : green; with short rachis and long spikelets; button count ranges from 16-45
Bunch : pendant; with short peduncle; small to medium
Nut : green during first 2 months of development then exocarp cracks and turns brown; big; oblong; with protruding stigmatic point; dehusked nuts spherical

B. Precocity

Flowers at 6 years from planting with an average trunk height of 134-216 cm



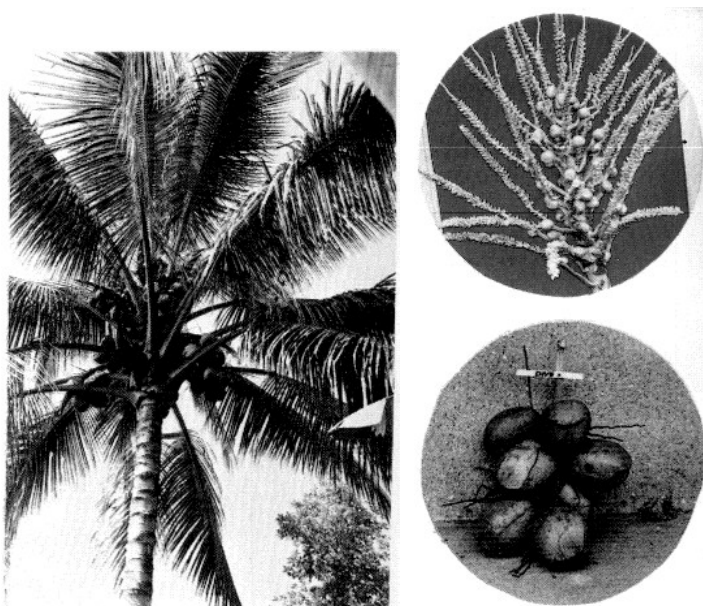
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C. Pollination Habit

Cross pollinated with 23% intraspadix overlapping

D. Other Important Characteristics

- Meat thickness is about 11.3 mm
- Copra per nut yield is 205-224 g



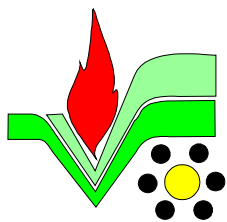
Name: Dive
Code : DIV
Source : Mati, Davao Oriental
Distribution : Limited

Characteristics:

A. Morphology

- Stem : big, with bole
- Crown : semi-circular; 75-80% of leaves erect; with about 31 functional leaves
- Inflorescence : green or brown; peduncle long; rachis and spikelets long; button count ranges from 4-39
- Bunch : straddling or brown; with long peduncle; small to medium
- Nut : green or brown when young; calyx region with pink line; big; angular; with sunken stigmatic end; dehusked nuts spherical

B. Precocity



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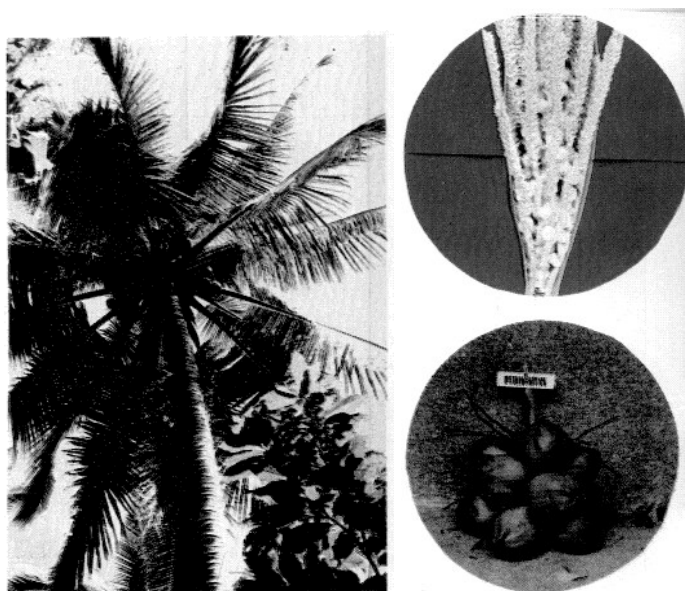
Flowers at 6-7 years after planting with an average trunk height of 223-410 cm

C. Pollination Habit

Usually cross-pollinated with 0-71% intraspadix overlapping

D. Other Important Characteristics

- Meat thickness is about 12.2 mm
- Copra yield per nut is 165 to 420 g



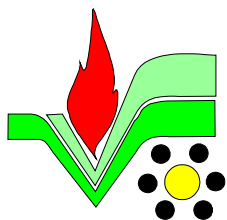
Name: Puringkitan
Code : PUR
Source : Balinsasayao, Abuyog, Leyte
Distribution : Sporadic

Characteristics:

A. Morphology

- Stem : big, with bole
- Crown : circular, 80-90% leaves erect; with about 31 functional leaves
- Inflorescence : green or brown; rachis and spikelets long; button count ranges from 5-91, usually with a cluster of button at the tip of the rachis and/or at the base of some spikelets
- Nut : green or brown when young; calyx region dark pink; angular; with protruding stigmatic point; dehusked nuts spherical

B. Precocity



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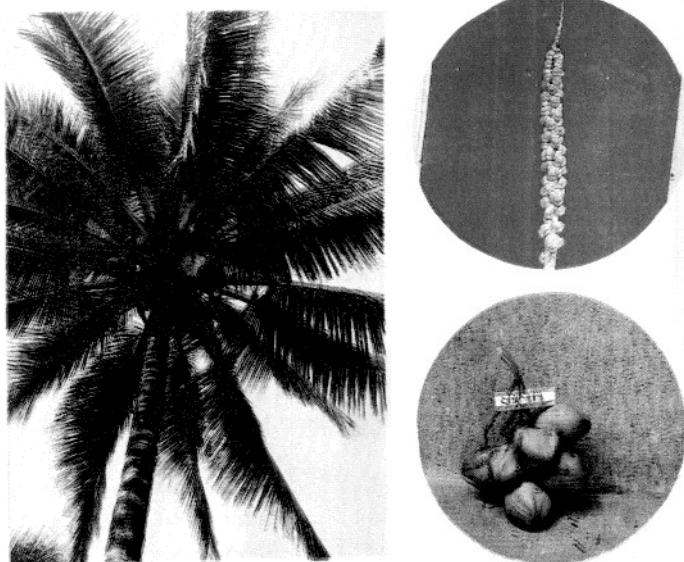
Flowers at 6-7 years after planting with an average trunk height of 30-26 cm

C. Pollination Habit

Most often cross-pollinated with 0% intraspadix overlapping

D. Other Important Characteristics

- Meat thickness is about 11.0 mm
- Copra yield per nut is 135-140 g

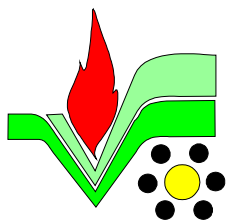


Name: Spicata
Code : SPI
Source : Glan, Cotabato
Distribution : Limited

Characteristics:

A. Morphology

- Stem : big, with bole
- Crown : circular, about 90% of leaves erect, with more or less 35 functional leaves
- Inflorescence ; long, green or brown; usually unbranched or with few spikelets, if there is any, long; button count ranges from 28 to 175; most of the buttons are directly attached to the rachis; buttons at the lower portion of the rachis are usually in pairs; with scarce male florets at the bottom of some buttons
- Bunch : straddling; with short peduncle; small to medium-sized



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Nut : green or brown when young; calyx region pink; angular; medium-sized; with protruding stigmatic point; dehusked nuts hemispherical

B. Precocity

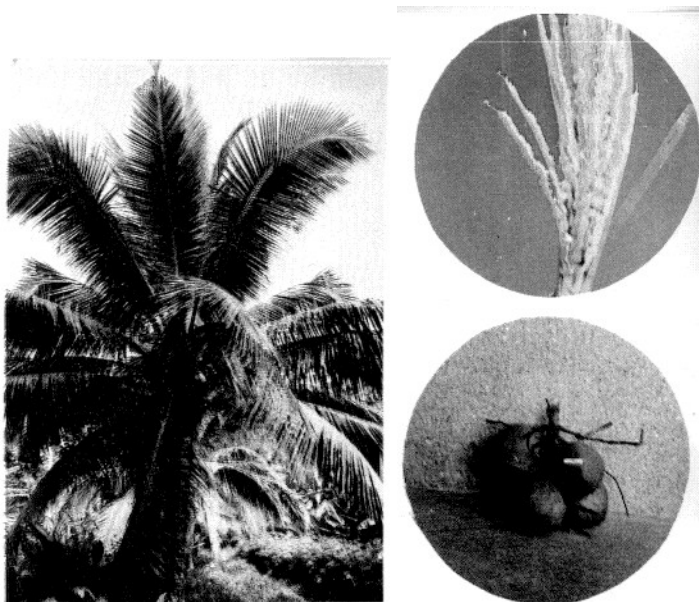
Flowers at 6-7 years after planting with an average trunk height of 230-469 cm

C. Pollination Habit

Cross pollinated with 0-6% intraspadix overlapping

D. Other Important Characteristics

- Meat thickness is about 12.3 mm
- Copra yield per nut is 157 to 394 g



Name: Clarin
Code : CLA
Source : Clarin, Bohol
Distribution : Limited

Characteristics:

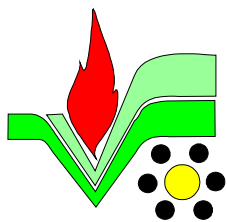
A. Morphology

Stem : medium-sized; without bole

Crown : circular; 60-75% of leaves erect; with about 21 functional leaves

Inflorescence : green; rachis and spikelets are long; button count ranges from 15-56

Bunch : pendant; medium in size



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Nut : dark green when young; calyx region with hardly noticeable pink line; oblong; with sunken stigmatic point; dehusked nuts hemispherical

B. Precocity

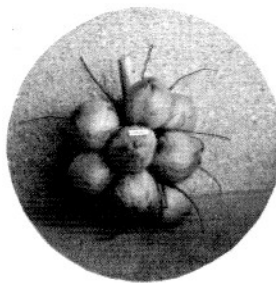
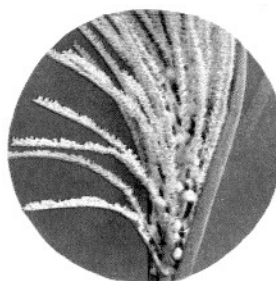
Flowers at 3-4 years after planting with an average trunk height of 50-75 cm

C. Pollination Habit

Self-pollinated with 64% intraspadix overlapping

D. Other Important Characteristics

- Meat thickness is about 12.2 mm
- Copra per nut yield is 290-320 g



Name: Dumanong
Code : DUM
Source : Camotes, Cebu
Distribution : Limited

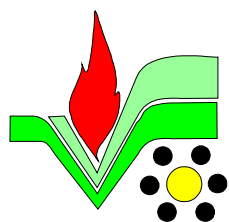
Characteristics:

A. Morphology

Stem : medium-sized; without bole

Crown : semi-circular; 60-75% of leaves erect; functional leaves

Inflorescence : green; button count ranges from 19-65



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- Bunch : some are pendant while some are straddling; with short peduncle; medium to big
- Nut : green when young; calyx region area pink; medium to big-sized; broad; with sunken stigmatic point; dehusked nuts spherical

B. Precocity

Flowers at 2-3 years after planting with an average trunk height of 13-25 cm

C. Pollination Habit

Self-pollinated with 74% intraspadix overlapping

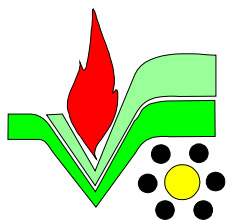
D. Other Important Characteristics

- Meat thickness is about 12.9 mm
- Copra yield per nut is 220 to 260 g

III. Newly Bearing and Non-Bearing Accessions

A. Tall

1. Name : Cuyamis
Code : CUY
Source : Southern Leyte
Most distinguishing/important characteristics : Husk is sweet and edible when young; mature nut can be husked with bare hands.
2. Name : Lanahon
Code : LAN
Source : Southern Leyte
Most distinguishing/important characteristics : Oil yield per nut is high.
3. Name : Limbajon
Code : LIM
Source : Southern Leyte
Most distinguishing/important characteristics : Young nuts are reddish orange in color.
4. Name : Salawad Tall
Code : SWT
Source : Caibiran, Biliran
Most distinguishing/important characteristics : Husks is thin and meat is thick.



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B. Dwarf

1. Name : Aromatic
Code : ARO
Source : PCA, Zamboanga
Most distinguishing/important characteristics : Nuts are very small; nut water is sweet.
2. Name : Dajili
Code : PDL
Source : Villa Rosario, Maasin, Southern Leyte
Most distinguishing/important characteristics : Nuts have many short longitudinal cracks even when young.
3. Name : Sogod Dwarf
Code : SGD
Source : Sogod, Southern Leyte
Most distinguishing/important characteristics : Young nuts are light green in color; medium to big-sized; most often broad and with protruding stigmatic point.

Source: RCRC Information Bulletin No. 2
1988