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# INTERNATIONAL CACAO CULTIVAR CATALOGUE

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CATIE is a civil nonprofit, autonomous association, scientific and educational in nature, established to carry out, promote and stimulate research and technical cooperation in agricultural and forestry production for the purpose of providing alternatives to the regional needs of the American tropics, particularly the countries of the Central American Isthmus and the Antilles.

ACRI - American Cocoa Research Institute is a nonprofit, scientific and educational corporation. ACRI's principal objectives are advancement of all phases of cacao culture; collection and dissemination of scientific information relating to the growing, handling and distribution of cacao plants; and support with grants-in-aid of cacao studies and research. ACRI works in cooperation with the United States Government, cacao-producing countries, and research institutions.

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## PRESENTATION

*This International Catalog of Cacao Cultivars is the result of the combined labors of numerous specialists who have contributed, at various times and in diverse ways, to the realization of the hopes of cacao geneticists for many years. The first efforts made resulted in the catalog published by the Inter-American Institute of Agricultural Sciences (IICA) in 1967, which was derived from the discussions of special committees meeting at the international conferences on cacao. It was agreed in meetings and by correspondence to simplify the 1967 catalog and to include in the new version information from all the countries of Central and South America and from elsewhere. For various reasons, it was not possible to publish the Catalog until 1980, when the American Cocoa Research Institute (ACRI) financed the printing and the Tropical Agricultural Research and Training Center (CATIE) assumed responsibility for the editorial work.*

*CATIE hopes that the Catalog will help to resolve the numerous problems associated with the identification of cacao collections, as well as to promote the selection and genetic improvement work which the countries of Central and South America need so much. It is our sincere desire to continue the efforts required to update and improve the Catalog for the benefit of scientists and all users.*

*This is an appropriate time and place to acknowledge the assistance of all those persons who have cooperated to make possible this publication, especially those who collected and sent the essential field data; to all of them CATIE expresses its heartfelt gratitude.*

*Gilberto Páez*

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## INTRODUCTION

In the main cacao research centres all over the world, much emphasis has been placed on breeding. As a result, each Centre has excellent cultivars which are used as parents of improved seeds or which are vegetatively propagated for direct use in plantations.

With the exception of some of the ICS clones from Trinidad, which are widely known and distributed, the majority of the local selections are mostly unknown outside of their place of origin. Even in Trinidad, adequate descriptions are not available with respect to morphologic, physiologic, genetic, production, and pest and disease resistance characteristics. Without an adequate description errors of identification are easily and frequently committed when these selections are propagated in other countries.

In several International Cacao Conferences and in several meetings of the "FAO Working Party of Cacao Protection and Production" (Second and Third International Cacao Conferences, 1967 in Salvador-Bahia, Brazil, and 1969 in Accra, Ghana), the need for descriptions of the best cultivars of each country was raised. A first effort was made at Turrialba, Costa Rica, and, with financial support from ACRI (American Cocoa Research Institute, Washington, D. C.), a Catalogue of Cacao Cultivars was issued with detailed descriptions of 67 clones of the main Cacao Research Centres of Tropical America (Enríquez and Soria, 1967).

With a view to producing a worldwide catalogue, at the Meeting of the FAO Cacao Working Party in Salvador-Bahia, Brazil (November, 1967), a Subcommittee of Exploration and Conservation of Cacao Germplasms was appointed and given the responsibility of preparing a short descriptive format including the main distinctive characteristics necessary to describe clones. At the meeting in Trinidad during the Fourth International Cacao Research Conference in January, 1972, the Subcommittee of Exploration and Conservation of Cacao Germplasm under the chairmanship of Dr. B. G. Bartley presented a format and instructions for descriptions. This format was discussed and accepted by the Cacao Geneticists Working Group, which also meets at each conference, and it was decided that a description of the main cacao cultivars would be made in each station by members of the Group.

The format was distributed jointly with the instructions for the description of each character. Character selection was based on existing information and previous experience in clone identification. It was considered that, even though there was a great number of descriptive characteristics (Enríquez and Soria, 1967),

it was not necessary to include all, but only those most easily observed and estimated with small samples. However, for some characters it was necessary to establish limits of size for the pertinent characters.

The selected characteristics are: growth habit; leaf shape, type and color; flower characters, such as flowering habit, size of pedicel, sepals, ligules of the petals and stamens; characters of the fruit such as color, shape, size, rugosity and thickness of the husk; characters of the seed, such as size, shape and color of the cotyledons; resistance/susceptibility reaction to *Phytophthora palmivora*, *Crinipellis* (*Marasmius*), *perniciosa*, *Monilia rozeri*, *Ceratocystis fimbriata*, various types of viruses, insects and dieback; genetic information as to compatibility and fruit pigmentation. Other additional information refers to identity, genetic and geographic origin, purpose of selection, production and establishment data.

In this Catalogue, the more outstanding clones of the important cacao producing countries in Tropical America and Africa are described.

The Working Group of Cacao Geneticists, as well as the FAO Genetic Resources Unit, entrusted the author to carry out the gathering of information and the preparation of this International Cacao Cultivar Catalogue. This was possible through the generous collaboration of the colleagues of the research stations and some financial support from FAO in the preparation of the manuscript.

## GENETIC VARIABILITY OF THE DESCRIPTIVE CHARACTERS

When describing any cultivar it is necessary to identify the descriptive characters, that is, those which would detect outstanding differences and which allow the separation of cultivars or populations from one another.

In cacao, Pound (1932-33) was the first to study the general variability of some Trinidad cacao population and to point out the usefulness of some differential characteristics. Later, Ostendorf in 1956 suggested the more useful fruit and seed characteristics for each cacao clonal description. To prepare the first Catalogue of Cacao Cultivars, Enríquez and Soria (1967c) statistically selected the more useful characteristics of the leaves (1967b), flowers (1967a), fruits (1966), and seeds (1968), using 35 cultivars of contrasting origins, determining the descriptive value of each character and the minimum sample size required for its measurement. Descriptive characters were defined as those in which highly significant differences were detected when comparing the measurements of the

studied clones. The descriptive value ( $p$ ) is given by the ratio  $\frac{S_c^2}{S_e^2}$ , where  $S_c^2$  is

the 'between clone' and  $S_e^2$  'within clones' variance. The greater the ratio, the more differentiating the character will be.

Table 1 shows the differential characteristics of the cacao tree, in the order of their descriptive value (p) and with the minimum of sample size required to evaluate them.

## LIST OF DESCRIPTORS

### 1. IDENTITY

These identifiers are recommended in order to avoid confusion between clones accessions.

*Collection code.* This code number could be given by the Editor of this Catalogue.

*Varietal name and number.* Gives the original name of the described cultivar.

*Other designations.* All the known synonyms other than the varietal name.

### 2. ORIGIN

*Place collected/selected.* Full name of place within country of origin of the clone.

*Varietal type.* The name of the general classification as Criollo, Forastero or Trinitario. Hybrids could be used, given a general qualifier as (Criollo) or (Forastero), if known.

*Type of population.* Describes the way in which the pollination was conducted or obtained.

*Table 1.* Value of  $p$  and sample size ( $r$ ) needed for each character (Steel and Torrie, 1960).

<i>Character of the cacao plant</i>	<i>Descriptive value</i> $p$	<i>Sample size</i> $r$
Ovary diameter, mm	12,600	10
Bean width, mm	9,470	*
Stamen length, mm	9,046	10
Wet bean weight without testa, g	7,015	*
Ovary length, mm	6,253	20
Basal angle of the 2nd leaf	5,982	15
Dry bean weight without testa, g	5,095	*
Sepal length, mm	4,531	10
Bean thickness, mm	4,019	*
Bean length, mm	3,837	*
Ligule width, mm	3,222	15
Number of ovules per ovary	2,507	5
Floral pedicel length, mm	2,367	30
N° of flowers per cushion (trunk)	2,256	300
Testa percentage	2,197	*
Ligule length, mm	2,164	15
Sepal width, mm	1,914	20
Style length, mm	1,382	10
Pulp percentage	1,329	20
Length of exterior guidelines, mm	0,949	20
Pod diameter, cm	0,949	20
Width/length relation of the 2nd leaf	0,696	15
Pod length, cm	0,662	40
Length of ribbon (flower), mm	0,486	15
Apical angle of the 2nd leaf	0,432	25
Thickness of pod back, mm	25,545	>190

\* 20 pods and 5 beans each.



### 3. PLAN CHARACTERS

#### *Habit*

The angle of the main branches with the trunk and of the secondary branches with the primary branches were defined as the main features of habit. For description they were divided into erect and whipping branches, even though there are various intermediate degrees between the two extremes. The clone 'SCA-6' transmits to a high degree the whipping branch habit to its progenies in crosses, indicating some degree of dominance.

#### *Leaf shape/type*

For the description only leaf shape was selected. Leaves are simple, with lanceolate, elliptical and oval shapes. Enríquez and Soria (1965) found that the ratio width/length (relative shape) and the basal angle of insertion to the petiole were the most descriptive measurements, the basal angles being described as round or obtuse.

#### *Color of new leaf flush*

Leaf flush color was classified as well-pigmented, slightly-pigmented or non-pigmented, although pigmentations are not clearly differentiated. Inheritance of pigmentation or non-pigmentation seems to be controlled by a pair of simple major genes with dominance for color, but the degrees of pigmentation seem to depend on modifiers which have not been properly studied

### 4. FLOWER CHARACTERS

#### *Flowering habit*

This refers to the tendency of some cultivars to flower only during certain periods of the year, while others flower continuously throughout the year, with peaks in certain months.

Toxopeus (1969), Lockwood (1971) and Esquivel (1973) have shown that the character of escape from infections by *Phytophthora palmivora* is inherited in various clones. Escape is a direct consequence of the different flowering habits which produce a harvest earlier or later than the normal cacao populations.

Another characteristic studied by Enríquez and Soria (1965), which is highly descriptive but not used in this catalogue, is the number of flowers per floral cushion in the main trunk. Some cultivars have few flowers per cushion (3-6) while others have many (>20).

#### *Size of floral parts*

The study by Enríquez and Soria (1965) showed that various parts of the flower are highly descriptive, such as ovary diameter, sepal length and width,

staminoid length, floral peduncle length and ligule length. For this catalogue, the following were chosen since they are easier to register. The sizes were classified in three categories.

<i>Characteristic</i>	<i>Small</i>	<i>Medium</i>	<i>Large</i>
Peduncle length	< 12.0 mm	12.1-17.0 mm	> 17.1 mm
Sepal length	< 7.5 mm	7.6- 8.5 mm	> 8.6 mm
Ligule length	< 3.5 mm	3.6- 4.0 mm	> 4.1 mm
Staminoids length	< 7.0 mm	7.1- 8.0 mm	> 8.1 mm

#### *Pigmentation of the floral parts*

All parts of the flower have some tint of pink pigmentation except the ligule which has yellow. However some cultivars (for example, the Catongo series and some Criollo) are unpigmented. The ligule can have various degrees of red spots. Some clones (such as those of National origin and from the Amazon basin near the Andes) have pink stamen pedicels; others are unpigmented. The inheritance of these characters is not yet known.

For description purposes, the pigmentation degrees have been classified as well-pigmented, slightly-pigmented and non-pigmented, and will be given separately for the peduncle, sepals, ligules and the staminoids.

## 5. FRUIT CHARACTER

Various authors (Pound 1932-33, Ostendorf 1957, Ruinard 1964, Enríquez and Soria 1966) have studied the variability of some cacao fruit characteristics. This variation is large and, for most characters, continuous. For the purpose of this catalogue the ranges of variation have been divided into classes, if unambiguous measurement was possible, or into types (as for colors and shapes). There are various strongly descriptive characteristics, such as colors, shapes, thicknesses of husk, length, diameters and total weights (Ostendorf 1957, Enríquez and Soria, 1966). The following were selected for this catalogue.

#### *Color*

The fruit in the simplest form is classified as green when immature (yellow when mature) or red (orange when mature). Its inheritance is controlled by a pair of major genes, the presence of red pigment (R) being dominant, and the green (r) recessive (Pound 1934, Soria and Esquivel 1968). However, there are various gradations of red color and different distribution on the ridges and furrows of the husk, which might be controlled by one or more modifiers. For this description, the intermediate degrees of pigmentation were not used. Describe the unripe color of the ridges and the furrows.

### *Shape*

Shape is a very variable character and several descriptions have been proposed (Pound 1932-33, Cheesman 1944, Van Hall 1934, Ostendorf 1957). Van Hall's classification was adopted for this catalogue, in which names identify certain typical, although not fixed, shapes. The name of 'Amelonado' is used for those fruits which are ovoid, without a prominent point, with its diameter greater than 50% of the length, with superficial ridges, and usually smooth, although they can be rugose and with a small bottleneck. 'Calabacillo' indicates round fruits with the diameter 60 to 75% of its length, with very superficial ridges, smooth surface and no point. 'Angoleta' describes long fruits, the greater diameter not surpassing 50% of the length, with well-marked ridges, a rugose or smooth surface, without bottleneck and pointed ends. 'Cundeamor' is used for elongated cylindrical fruits, the greater diameter not exceeding 50% of its length, with ridges, a rugose surface, pronounced bottleneck and sharp point.

These shapes are actually ideotypes, as in practice there are intermediate forms that the describer should identify with the nearest type.

### *Size*

There is a great variation in size, as measured by length, diameter, total weight of the fruit, weight of the husk and weight of the seeds.

For this description the length was used as the criterion as this is one of the easiest to measure. Fruits were classified as small (<15 cm), medium (16-19 cm) and large (>20 cm).

Few studies have been made on the inheritance of pod size. Soria *et al* (1974) found that the heritability for length was 55%, for diameter 63% and total weight 57%, indicating that these are highly transmissible characters.

### *Rugosity*

It is a variable character and very difficult to measure. For this catalogue it was classified as rugose, slightly rugose and smooth. Inheritance has not been studied, even though the smooth character seems to be recessive to rugose.

### *Shell thickness*

The studies of Pound (1932-33) and Enríquez and Soria (1966) show that the thickness of the ridge and depth of furrow are very descriptive characters, even though they can be partially affected by the environment. The ridge measurements were classified as thin (<12.0 mm), medium (12.1-16.0 mm) and thick (>16.0 mm).

## 6. SEED CHARACTERS

The seed is the most important organ of cacao because of its commercial value. In Enríquez and Soria's study (1968) it was determined that the follow-

ing characteristics of the seeds are descriptive; wet and dry seed weight, length and thickness and percentage of testa. In this catalogue only the size, color and shape were used to describe the seed.

### *Size*

The size is expressed as dry or wet weight of the bean. Pound (1932-33) demonstrated the high variability of this character and indicated that to measure them conveniently a large sample is needed. However, Enriquez and Soria (1968) determined that weighing 5 beans from each of 20 pods of one clone would give an adequate sample to evaluate seed dry or wet weight. In order to describe them, the dry seeds were classified as small (<0.99 g), medium (1.0-1.5 g) and large (>1.6 g).

Soria *et al* (1974) found a high heritability (89%) for wet seed weight, indicating that the large seed size is highly inherited. However, Bartley (1966) and Amponsah (1969) found that the small seed size of 'SCA-6' is dominant in the F<sub>1</sub> when crossed with Trinitarios.

### *Shape*

There is much variability in shape of the seeds, varying from elliptical to cylindrical and ovoid, with flat or round cross sections. Also, there is much variation in the shape of the apex. For the catalogue description, the shapes used were: flat, ovoid and cylindrical.

### *Color of the cotyledons*

The variability of the cotyledon color is of a continuous nature and ranges from white to deep purple. However, Pound (1932-33) suggested that a single pair of major genes were controlling seed color, colored seeds being dominant and white seeds recessive. This supposition has been proven by different authors (Wallensiek, cited by Ostendorf 1957, Vello 1965) who have shown the monogenic nature of its inheritance. However, it is quite evident that modifying genes interact, as in practice there is a continuous range of variation in segregating individuals ranging from complete pigmentation to slightly purple and white tones in their seeds. For simplicity, the color of beans in this catalogue is described in four groups: white, pale purple, intermediate purple and dark purple.

## 7. DISEASES AND PESTS

The resistance or susceptibility of some cultivars to the principal diseases of each region has been studied in some stations. The degree of reaction to one or several of the main diseases is described for each clone, according to the availability of the information.

### *Phytophthora palmivora*

This is a pantropical disease, causing black pod rot of the fruit. Many clones resistant to local strains of the pathogen have been reported, but little has been studied on the inheritance of resistance or susceptibility.

### *Crinipellis (Marasmius) pernicioso*

Resistance was reported initially in Trinidad, where the clones 'SCA-6' and 'SCA-12' were considered resistant and able to pass this resistance to their progeny (Holliday 1954). However, more recently these clones have been reported completely susceptible to the disease.

### *Monilia roleri*

So far, no resistance has been reported for this disease.

### *Ceratocystis fimbriata*

Several clones resistant to this disease have been found (Delgado and Echandi 1965) and it has been suggested that the resistance is controlled by recessive factors (Soria and Salazar 1965).

### *Virus*

Studies carried out with swollen shoot virus of cacao in West Africa have not shown the existence of clones resistant to the disease; however, they indicate that some High Amazon clones transmit some tolerance.

### *Dieback*

Most of the clones respond to the environment in different degrees, some of them are very susceptible to the absence of shade.

### *Other diseases*

Depending on the location, there are some other diseases that are important economically.

### *Insects*

There is no information in the literature about clones resistant to insect damage.

## 8. GENETIC INFORMATION

### *Compatibility*

Pound in Trinidad reported the existence of self-incompatible trees. Knight and Rogers (1955) were the first to describe five S alleles of incompatibility in

cacao, proposing that its inheritance followed the sporophytic model, with dominance in the series. Afterwards Cope (1962) showed that even though the sporophytic action model proposed by Knight and Rogers satisfactorily explained the inheritance in the majority of the incompatibility cases, it did not explain several exceptions, so he proposed a modification of its inheritance. He accepted the existence of the proposed alleles and added one, but the presence in the dominant stage of two complementary pairs (A/-, B/-) independent of the incompatibility alleles was needed to produce the substrate over which the genes of the S incompatibility series can act. When one or both complementary gene pairs are in the recessive stage, the substrate is not produced and all the S genotypes would act as self-compatible. The series of S alleles in its dominance order would be:

$$S = S_1 > S_2 = S_3 > S_4, S_5 > S_6.$$

For the description in this catalogue, the clones are classified as self-compatible (SC) or self-incompatible (SI), including the genotype when known.

#### *Pod pigmentation*

Only white exist as basic color in fruits, but all of them have some anthocyanin or chlorophyll that change the color when unripe. Their inheritance has been studied by different authors. It is believed that inheritance is governed by one pair or genes. The genetic information could be useful for identification and should be presented as either homozygous or heterozygous for R and r.

#### *Other information*

There are several characteristics that have been described in the literature with their mode of inheritance. Any of these characters could be described.

### 9. PURPOSE OF SELECTION

In the selection of the majority of the cultivars, the main objectives were high productivity or resistance to some disease. Many clones have been tested for their value as parents of high yielding hybrids. On the other hand, the majority of clones were selected mainly for their values as parents of high yielding progenies.

Some clones, such as P-7, P-12, IMC-67, SCA-6, SCA-12, have shown good general combining ability for production, while others have good specific combining ability, giving high yielding generations only when combined with certain clones.

In the catalogue, the purpose of the selection and the use being made of the cultivar at present are indicated, whether it is a clone for plantations or as parent of hybrids. Other purposes could be specified.

## 10. DISTRIBUTION AVAILABILITY

In this category the description could be done by sexual or asexual propagation, depending on the type or reproduction system more commonly used for the clone. In some cases, both could be used.

## 11. TECHNICAL DATA

### *Yield or Performance*

In the case of vegetatively propagated clones which have been tested in field trials, the information on estimated yield per tree per year is included, expressed in kilograms of dry cacao.

### *Propagation*

There is much variation in the ability of the clones to propagate as cuttings or as layers. This variability is expressed in percentage of rooting: <50% = Difficult, >50% = Easy.

### *Establishment ability and response to the environment*

In some localities, the information on establishment ability has been recorded, which refers to percentage of survival of clones or their progenies after being transplanted to the field.

In many cases the degree of adaptability of a clone or its progenies to the excess or lack of shade has also been recorded.

## PRESENTATION OF THE CATALOGUE

The description formats with the general instructions were distributed by mail in March 1972 to all the Stations where cacao cultivars were produced. Up to the moment of preparing the draft of the International Catalogue, descriptions had been received from the following countries: Brazil, Cameroon, Costa Rica, Ecuador, Ghana, Ivory Coast, Madagascar, Nigeria, Trinidad and Venezuela.

It is a pleasure to extend our sincere thanks for their valuable collaboration in preparing the descriptions to: Ings. Geraldo A. Carletto and João Reis García from CEPLAC, Brazil; Dr. René Coste and his collaborators in IFCC, Ivory Coast, Cameroon and Madagascar; Miss Veronica Martinson and collaborators of the Cacao Research Institute of Ghana; Ings. Humberto Reyes, Lilliam de Reyes, Humberto Pérez Zamora and Manuel J. de Wagner from Caucagua Cacao Station in Venezuela; Ing. Jaime Vera from INIAP-Pichilingue, Ecuador; Dr. E. B. Esan from CRIN, Nigeria; Ing. Alfredo Paredes from CATIE, for his enormous effort to complete the English version from different countries and correct some sheets.

The changes introduced in some of the original descriptions were made by the editors in an effort to make the presentation uniform, for which they assume full responsibility.

Even though the catalogue is not as complete as we had envisaged, due to lack of cultivar descriptions from several important Stations, it contains a great deal of information on the main features and actual use of the principal genetic resources of cacao in several parts of the world. We recognize that the description of the cultivars is by no means complete; however, it contains the information recommended by the main cacao geneticists of the world.

This volume is dedicated to the cacao breeders of the world, in acknowledgement of their quiet and efficient efforts towards the improvement of one of the most important crops of the humid tropic - cacao.



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## 1 IDENTITY

Collection code 01  
Varietal name/number SIC 328  
Other designations

## 2 ORIGIN

Place collected/selected *Uruçuca,  
Bahia, Brazil*

Varietal type (*Forastero*) *comun*

Type of population: S<sub>0</sub> X  
F<sub>1</sub>  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *elliptic*  
Color of new leaf flush *slightly  
pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *interrupted*  
Size of: Peduncle *medium*  
Sepals *medium*  
Ligules *large*  
Staminodes *large*

Pigmentation of:

Peduncle *well pigmented*  
Sepals *slightly pigmented*  
Ligules *slightly pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *green*  
furrows *green*

Shape *amelonado*  
Size *medium*  
Rugosity *smooth*  
Shell thickness *thin*

## 6 SEED CHARACTERS

Size *medium*  
Shape *ovoid*  
Color of cotyledons *dark purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *susceptible*  
*Crinipellis pernicioso* *not tested*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *not tested*

Virus *not tested*  
Dieback *not tested*  
Others

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-compatible*  
Pod pigmentation *homozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar  
Foundation parent *yes*  
Other

## 10 DISTRIBUTION AVAILABILITY

*asexually*

## 11 TECHNICAL DATA

Performance *2.3 kg/tree*  
Propagation *easy*  
Establishment and response  
to environment *good*

1 IDENTITY

Collection code 02  
Varietal name/number SIC 329  
Other designations

2 ORIGIN

Place collected/selected *Uruçuca, Babia, Brazil*

Varietal type (*Forastero*) *comun*

Type of population: S<sub>0</sub> X  
F<sub>1</sub>  
BC

3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *elliptic*  
Color of new leaf flush *slightly pigmented*

4 FLOWER CHARACTERS

Flowering habit *interrupted*  
Size of: Peduncle *medium*  
Sepals *medium*  
Ligules *medium*  
Staminodes *medium*

Pigmentation of:

Peduncle *well pigmented*  
Sepals *pigmented*  
Ligules *well pigmented*  
Staminodes *well pigmented*

5 FRUIT CHARACTERS

Color (unripe) ridges *green*  
furrows *green*

Shape *amelonado*  
Size *medium*  
Rugosity *smooth*  
Shell thickness *thin*

6 SEED CHARACTERS

Size *medium*  
Shape *ovoid*  
Color of cotyledons *dark purple*

7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *susceptible*  
*Crinipellis perniciososa* *not tested*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *not tested*

Virus *not tested*  
Dieback *not tested*  
Others

Insects *not tested*

8 GENETIC INFORMATION

Compatibility *self-compatible*  
Pod pigmentation *homozygous*  
Other information

9 PURPOSE OF SELECTION

Cultivar  
Foundation parent *yes*  
Other

10 DISTRIBUTION AVAILABILITY

*asexually*

11 TECHNICAL DATA

Performance *over 2.9 kg/tree*  
Propagation *easy*  
Establishment and response to environment *good*

## 1 IDENTITY

Collection code 03  
Varietal name/number SIC 864  
Other designations Catongo

## 2 ORIGIN

Place collected/selected *Urucuca,*  
*Babiã, Brazil*

Varietal type (*Forastero*) *comun*

Type of

population: S<sub>0</sub> S<sub>1</sub> *CEPEC -1*  
*white mutant*

F<sub>1</sub>

BC

## 3 PLANT CHARACTERS

Habit *erect*

Leaf shape/type *elliptic*

Color of new leaf flush *non pig-*  
*mented*

## 4 FLOWER CHARACTERS

Flowering habit *interrupted*

Size of: Peduncle *medium*

Sepals *medium*

Ligules *medium*

Staminodes *large*

Pigmentation of:

Peduncle *non pigmented*

Sepals *non pigmented*

Ligules *non pigmented*

Staminodes *non pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *green*  
furrows *green*

Shape *amelonado*

Size *medium*

Rugosity *smooth*

Shell thickness *medium*

## 6 SEED CHARACTERS

Size *medium*

Shape *ovoid*

Color of cotyledons *white*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *resistant*

*Crinipellis pernicioso* *not tested*

*Monilia roleri* *not tested*

*Ceratocystis fimbriata* *not tested*

Virus *not tested*

Dieback *not tested*

Others

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-compatible*

Pod pigmentation *homozygous*

Other information

## 9 PURPOSE OF SELECTION

Cultivar

Foundation parent *yes*

Other

## 10 DISTRIBUTION AVAILABILITY

*asexually*

## 11 TECHNICAL DATA

Performance *3.3 kg/tree*

Propagation *easy*

Establishment and response  
to environment *good*

## 1 IDENTITY

Collection code 04  
Varietal name/number SIC 948  
Other designations Catongo

## 2 ORIGIN

Place collected/selected *Uruçuca,  
Babia, Brazil*

Varietal type (*Forastero*) *comun*

Type of  
population: S<sub>0</sub> S<sub>1</sub> CEPEC -1  
*white mutant*

F<sub>1</sub>  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *elliptic*  
Color of new leaf flush *slightly  
pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *interrupted*  
Size of: Peduncle *medium*  
Sepals *medium*  
Ligules *medium*  
Staminodes *large*

Pigmentation of:

Peduncle *non pigmented*  
Sepals *non pigmented*  
Ligules *non pigmented*  
Staminodes *non pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *green*  
furrows *green*

Shape *amelonado*  
Size *medium*  
Rugosity *smooth*  
Shell thickness *medium*

## 6 SEED CHARACTERS

Size *medium*  
Shape *ovoid*  
Color of cotyledons *white*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *resistant*  
*Crinipellis perniciosa* *not tested*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *not tested*  
Virus *not tested*  
Dieback *not tested*  
Others

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-compatible*  
Pod pigmentation *homozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar  
Foundation parent *yes*  
Other

## 10 DISTRIBUTION AVAILABILITY

*asexually*

## 11 TECHNICAL DATA

Performance *over 2 kg/tree*  
Propagation *easy*  
Establishment and response  
to environment *good*

1 IDENTITY

Collection code 05  
Varietal name/number SIC 952  
Other designations Catongo

2 ORIGIN

Place collected/selected Uruçuca,  
Bahia, Brazil

Varietal type (Forastero) comun

Type of  
population: S<sub>0</sub> S<sub>1</sub> CEPEC -1  
white mutant

F<sub>1</sub>  
BC

3 PLANT CHARACTERS

Habit erect  
Leaf shape/type elliptic  
Color of new leaf flush non pig-  
mented

4 FLOWER CHARACTERS

Flowering habit interrupted  
Size of: Peduncle medium  
Sepals medium  
Ligules medium  
Staminodes large

Pigmentation of:  
Peduncle non pigmented  
Sepals non pigmented  
Ligules non pigmented  
Staminodes non pigmented

5 FRUIT CHARACTERS

Color (unripe) ridges green  
furrows green

Shape amelonado  
Size medium  
Rugosity smooth  
Shell thickness medium

6 SEED CHARACTERS

Size medium  
Shape ovoid  
Color of cotyledons white

7 DISEASES AND PESTS

Reaction to:

Phytophthora palmivora resistant  
Crinipellis perniciosã not tested  
Monilia roleri not tested  
Ceratocystis fimbriata not tested

Virus not tested  
Dieback not tested  
Others

Insects not tested

8 GENETIC INFORMATION

Compatibility self-compatible  
Pod pigmentation homozygous  
Other information

9 PURPOSE OF SELECTION

Cultivar  
Foundation parent yes  
Other

10 DISTRIBUTION AVAILABILITY

asexually

11 TECHNICAL DATA

Performance over 2 kg/tree  
Propagation easy  
Establishment and response  
to environment good

## 1 IDENTITY

Collection code 06  
Varietal name/number *SIAL 169*  
Other designations

## 2 ORIGIN

Place collected/selected *Juçari,*  
*Babia, Brazil*

Varietal type *Forastero*

Type of population:  $S_0$   $S_1$   
 $F_1$   
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *elliptic*  
Color of new leaf flush *well*  
*pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *interrupted*  
Size of: Peduncle *medium*  
Sepals *small*  
Ligules *small*  
Staminodes *small*

Pigmentation of:

Peduncle *slightly pigmented*  
Sepals *non pigmented*  
Ligules *slightly pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *green*  
furrows *green*

Shape *amelonado*  
Size *medium*  
Rugosity *smooth*  
Shell thickness *medium*

## 6 SEED CHARACTERS

Size *medium*  
Shape *ovoid*  
Color of cotyledons *dark purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *not tested*  
*Crinipellis pernicioso* *not tested*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *not tested*

Virus *not tested*  
Dieback *not tested*  
Others

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-compatible*  
Pod pigmentation *homozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar  
Foundation parent *yes*  
Other

## 10 DISTRIBUTION AVAILABILITY

*asexually*

## 11 TECHNICAL DATA

Performance *4 kg/tree*  
*(2 x 2 m)*  
Propagation *easy*  
Establishment and response  
to environment *good*



1 IDENTITY

Collection code 07  
Varietal name/number *SIAL 407*  
Other designations

2 ORIGIN

Place collected/selected *Juçari, Babia, Brazil*  
Varietal type (*Forastero*) *Pará*  
Type of population:  $S_0$   $S_1$   
 $F_1$   
BC

3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *elliptic*  
Color of new leaf flush *well pigmented*

4 FLOWER CHARACTERS

Flowering habit *interrupted*  
Size of: Peduncle *medium*  
Sepals *medium*  
Ligules *large*  
Staminodes *medium*

Pigmentation of:

Peduncle *slightly pigmented*  
Sepals *slightly pigmented*  
Ligules *slightly pigmented*  
Staminodes *well pigmented*

5 FRUIT CHARACTERS

Color (unripe) ridges *green*  
furrows *green*  
Shape *calabacillo*  
Size *medium*  
Rugosity *smooth*  
Shell thickness *medium*

6 SEED CHARACTERS

Size *medium*  
Shape *flat*  
Color of cotyledons *dark purple*

7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *susceptible*  
*Crinipellis pernicioso* *not tested*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *not tested*

Virus *not tested*  
Dieback *not tested*  
Others

Insects *not tested*

8 GENETIC INFORMATION

Compatibility *self-compatible*  
Pod pigmentation *homozygous*  
Other information

9 PURPOSE OF SELECTION

Cultivar  
Foundation parent *yes*  
Other

10 DISTRIBUTION AVAILABILITY

*asexually*

11 TECHNICAL DATA

Performance *2 kg/tree*  
*(2 x 2 m)*  
Propagation *easy*  
Establishment and response to environment *good*

1 IDENTITY

Collection code 08  
Varietal name/number *SIAL 644*  
Other designations

2 ORIGIN

Place collected/selected *Juçari, Babia, Brazil*  
Varietal type (*Forastero*) *Pará*  
Type of population: S<sub>0</sub> S<sub>1</sub>  
F<sub>1</sub>  
BC

3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *elliptic*  
Color of new leaf flush *well pigmented*

4 FLOWER CHARACTERS

Flowering habit *interrupted*  
Size of: Peduncle *small*  
Sepals *large*  
Ligules *small*  
Staminodes *large*  
Pigmentation of:  
Peduncle *slightly pigmented*  
Sepals *slightly pigmented*  
Ligules *slightly pigmented*  
Staminodes *well pigmented*

5 FRUIT CHARACTERS

Color (unripe) ridges *green*  
furrows *green*  
Shape *calabacillo*  
Size *small*  
Rugosity *smooth*  
Shell thickness *thin*

6 SEED CHARACTERS

Size *small*  
Shape *flat*  
Color of cotyledons *dark purple*

7 DISEASES AND PESTS

Reaction to:  
*Phytophthora palmivora* *susceptible*  
*Crinipellis pernicioso* *not tested*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *not tested*  
Virus *not tested*  
Dieback *not tested*  
Others  
Insects *not tested*

8 GENETIC INFORMATION

Compatibility *self-compatible*  
Pod pigmentation *homozygous*  
Other information

9 PURPOSE OF SELECTION

Cultivar  
Foundation parent *yes*  
Other

10 DISTRIBUTION AVAILABILITY

*asexually*

11 TECHNICAL DATA

Performance *2.3 kg/tree*  
*(2 x 2 m)*  
Propagation  
Establishment and response to environment

## 1 IDENTITY

Collection code 09  
Varietal name/number EEG 48  
Other designations

## 2 ORIGIN

Place collected/selected *Espirito Santo, Brazil*

Varietal type *Amazon Forastero*

Type of population: S<sub>0</sub> *not known*  
F<sub>1</sub>  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *elliptic*  
Color of new leaf flush *well pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *interrupted*  
Size of: Peduncle *medium*  
Sepals *small*  
Ligules *small*  
Staminodes *medium*

Pigmentation of:

Peduncle *slightly pigmented*  
Sepals *slightly pigmented*  
Ligules *slightly pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *green*  
furrows *green*

Shape *amelonado*  
Size *medium*  
Rugosity *slightly rugose*  
Shell thickness *thick*

## 6 SEED CHARACTERS

Size *medium*  
Shape *cylindrical*  
Color of cotyledons *white*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *not tested*  
*Crinipellis perniciososa* *not tested*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *not tested*

Virus *not tested*  
Dieback *not tested*  
Others

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-compatible*  
Pod pigmentation *homozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar  
Foundation parent *yes*  
Other

## 10 DISTRIBUTION AVAILABILITY

*asexually*

## 11 TECHNICAL DATA

Performance *over 2 kg/tree*  
Propagation *easy*  
Establishment and response to environment *good*

## 1 IDENTITY

Collection code 10  
Varietal name/number EEG 64  
Other designations

## 2 ORIGIN

Place collected/selected *Espirito Santo, Brazil*

Varietal type *Amazon Forastero*

Type of population: S<sub>0</sub> *not known*  
F<sub>1</sub>  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *elliptic*  
Color of new leaf flush *non pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *interrupted*  
Size of: Peduncle *large*  
Sepals *medium*  
Ligules *small*  
Staminodes *medium*

Pigmentation of:

Peduncle: *slightly pigmented*  
Sepals *slightly pigmented*  
Ligules *slightly pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *green*  
furrows *green*

Shape *amelonado*  
Size *medium*  
Rugosity *slightly rugose*  
Shell thickness *medium*

## 6 SEED CHARACTERS

Size *small*  
Shape *flat*  
Color of cotyledons *dark purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *not tested*  
*Crinipellis pernicioso* *not tested*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *not tested*

Virus *not tested*  
Dieback *not tested*  
Others

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-compatible*  
Pod pigmentation *homozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar  
Foundation parent *yes*  
Other

## 10 DISTRIBUTION AVAILABILITY

*asexually*

## 11 TECHNICAL DATA

Performance *over 3 kg/tree*  
Propagation *easy*  
Establishment and response to environment *good*

## 1 IDENTITY

Collection code 11  
Varietal name/number *CEPEC 1*  
Other designations *Catongo*  
*mother tree*

## 2 ORIGIN

Place collected/selected *Uruçuca,*  
*Babia, Brazil*  
Varietal type (*Forastero*) *co-*  
*mun*  
Type of  
population: S<sub>0</sub> *white mutant*  
F<sub>1</sub>  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *elliptic*  
Color of new leaf flush *non pig-*  
*mented*

## 4 FLOWER CHARACTERS

Flowering habit *interrupted*  
Size of: Peduncle *medium*  
Sepals *medium*  
Ligules *medium*  
Staminodes *large*

Pigmentation of:

Peduncle *non pigmented*  
Sepals *non pigmented*  
Ligules *non pigmented*  
Staminodes *non pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *green*  
furrows *green*  
Shape *amelonado*  
Size *medium*  
Rugosity *smooth*  
Shell thickness *medium*

## 6 SEED CHARACTERS

Size *medium*  
Shape *ovoid*  
Color of cotyledons *white*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *resistant*  
*Crinipellis pernicioso* *susceptible*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *tolerant*  
Virus *not tested*  
Dieback *not tested*  
Others

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-compatible*  
Pod pigmentation *homozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar  
Foundation parent *yes*  
Other

## 10 DISTRIBUTION AVAILABILITY

*asexually*

## 11 TECHNICAL DATA

Performance *2.5 kg/tree*  
Propagation *easy*  
Establishment and response  
to environment *good*

- 1 IDENTITY
- Collection code 12  
 Varietal name/number *CEPEC 2*  
 Other designations
- 2 ORIGIN
- Place collected/selected *Uruçuca, Babia, Brazil*
- Varietal type *near to Criollo*
- Type of population: S<sub>0</sub> *not known*  
 F<sub>1</sub>  
 BC
- 3 PLANT CHARACTERS
- Habit *erect*
- Leaf shape/type *elliptic*
- Color of new leaf flush *well pigmented*
- 4 FLOWER CHARACTERS
- Flowering habit *interrupted*
- Size of: Peduncle *large*  
 Sepals *medium*  
 Ligules *large*  
 Stamines *medium*
- Pigmentation of:
- Peduncle *slightly pigmented*  
 Sepals *slightly pigmented*  
 Ligules *slightly pigmented*  
 Stamines *well pigmented*
- 5 FRUIT CHARACTERS
- Color (unripe) ridges *reddish*  
 furrows *reddish*
- Shape *cundeamor*
- Size *large*
- Rugosity *very rugose*
- Shell thickness *thick*
- 6 SEED CHARACTERS
- Size *medium*
- Shape *ovoid*
- Color of cotyledons *segregating*
- 7 DISEASES AND PESTS
- Reaction to:
- Phytophthora palmivora* *susceptible*  
*Crinipellis perniciosa* *not tested*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *not tested*
- Virus *not tested*
- Dieback *not tested*
- Others
- Insects *not tested*
- 8 GENETIC INFORMATION
- Compatibility *self-compatible*
- Pod pigmentation *homozygous*
- Other information
- 9 PURPOSE OF SELECTION
- Cultivar
- Foundation parent *yes*
- Other
- 10 DISTRIBUTION AVAILABILITY
- asexually*
- 11 TECHNICAL DATA
- Performance
- Propagation *easy*
- Establishment and response to environment *good*

1 IDENTITY

Collection code 13  
Varietal name/number CEPEC 3  
Other designations

2 ORIGIN

Place collected/selected Uruçuca,  
Babia, Brazil

Varietal type near to Criollo

Type of population: S<sub>0</sub> not known  
F<sub>1</sub>  
BC

3 PLANT CHARACTERS

Habit erect  
Leaf shape/type elliptic  
Color of new leaf flush well pigmented

4 FLOWER CHARACTERS

Flowering habit interrupted  
Size of: Peduncle large  
Sepals medium  
Ligules small  
Staminodes medium

Pigmentation of:  
Peduncle slightly pigmented  
Sepals slightly pigmented  
Ligules pigmented  
Staminodes pigmented

5 FRUIT CHARACTERS

Color (unripe) ridges green  
furrows green

Shape angoleta  
Size medium  
Rugosity slightly rugose  
Shell thickness medium

6 SEED CHARACTERS

Size medium  
Shape ovoid  
Color of cotyledons pale purple

7 DISEASES AND PESTS

Reaction to:  
Phytophthora palmivora susceptible  
Crinipellis pernicioso not tested  
Monilia roleri not tested  
Ceratozycystis fimbriata not tested

Virus not tested  
Dieback not tested

Others

Insects not tested

8 GENETIC INFORMATION

Compatibility self-compatible  
Pod pigmentation homozygous  
Other information

9 PURPOSE OF SELECTION

Cultivar  
Foundation parent yes  
Other

10 DISTRIBUTION AVAILABILITY

asexually

11 TECHNICAL DATA

Performance  
Propagation easy  
Establishment and response to environment good

1 IDENTITY

Collection code 14  
Varietal name/number Ma 15  
Other designations

2 ORIGIN

Place collected/selected Manaus,  
Brazil

Varietal type upper Amazon

Type of population: S<sub>0</sub> X  
F<sub>1</sub>  
BC

3 PLANT CHARACTERS

Habit erect  
Leaf shape/type elliptic  
Color of new leaf flush well  
pigmented

4 FLOWER CHARACTERS

Flowering habit interrupted  
Size of: Peduncle medium  
Sepals small  
Ligules small  
Staminodes medium

Pigmentation of:

Peduncle well pigmented  
Sepals slightly pigmented  
Ligules slightly pigmented  
Staminodes well pigmented

5 FRUIT CHARACTERS

Color (unripe) ridges green  
furrows green

Shape cundeamor  
Size medium  
Rugosity slightly rugose  
Shell thickness medium

6 SEED CHARACTERS

Size medium  
Shape ovoid  
Color of cotyledons dark purple

7 DISEASES AND PESTS

Reaction to:

Phytophthora palmivora not tested  
Crinipellis pernicioso susceptible  
Monilia roleri not tested  
Ceratocystis fimbriata not tested

Virus not tested  
Dieback not tested  
Others

Insects not tested

8 GENETIC INFORMATION

Compatibility self-compatible  
Pod pigmentation homozygous  
Other information

9 PURPOSE OF SELECTION

Cultivar  
Foundation parent yes  
Other

10 DISTRIBUTION AVAILABILITY

asexually

11 TECHNICAL DATA

Performance  
Propagation easy  
Establishment and response  
to environment good



## 1 IDENTITY

Collection code 15  
Varietal name/number *Be-10*  
Other designations

## 2 ORIGIN

Place collected/selected *Belém,  
Babia, Brazil*

Varietal type *lower Amazon*

Type of population: S<sub>0</sub> X  
F<sub>1</sub>  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *elliptic*  
Color of new leaf flush *well  
pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *interrupted*  
Size of: Peduncle *large*  
Sepals *large*  
Ligules *large*  
Staminodes *medium*

Pigmentation of:

Peduncle *well pigmented*  
Sepals *slightly pigmented*  
Ligules *well pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *green*  
furrows *green*

Shape *amelonado*  
Size *medium*  
Rugosity *slightly rugose*  
Shell thickness *medium*

## 6 SEED CHARACTERS

Size *medium*  
Shape *ovoid*  
Color of cotyledons *dark purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *not tested*  
*Crinipellis perniciosa* *susceptible*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *not tested*

Virus *not tested*  
Dieback *not tested*  
Others

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-incompatible*  
Pod pigmentation *homozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar  
Foundation parent *yes*  
Other

## 10 DISTRIBUTION AVAILABILITY

*asexually*

## 11 TECHNICAL DATA

Performance  
Propagation *easy*  
Establishment and response  
to environment *good*

## 1 IDENTITY

Collection code 16  
Varietal name/number *SNK 10*  
Other designation *L32 of Ebola-  
wa, IFC 1-1*

## 2 ORIGIN

Place collected/selected *Nkoem-  
vone Cacao Station, Cameroon*

Varietal type *Trinitario*

Type of population: S<sub>0</sub> X  
F<sub>1</sub>  
BC

## 3 PLANT CHARACTERS

Habit *semi-erect*  
Leaf shape/type *ovate (small)*  
Color of new leaf flush *slightly  
pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *interrupted*  
Size of: Peduncle *long*  
Sepals *medium*  
Ligules *large*  
Staminodes *long*

Pigmentation of:

Peduncle *slightly pigmented*  
Sepals *non pigmented*  
Ligules *non pigmented*  
Staminodes *pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *reddish*  
furrows *green*  
Shape *calabacillo*  
Size *medium*  
Rugosity *smooth*  
Shell thickness *medium*

## 6 SEED CHARACTERS

Size *medium*  
Shape *ovoid*  
Color of cotyledons *pale purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *susceptible*  
*Crinipellis pernicioso* *not tested*  
*Monilia royeri* *not tested*  
*Ceratocystis fimbriata* *not tested*

Virus *not tested*  
Dieback *not tested*  
Others

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-incompatible*  
Pod pigmentation *heterozygous*  
Other information *early*

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent *yes*  
Other

## 10 DISTRIBUTION AVAILABILITY

## 11 TECHNICAL DATA

Performance  
Propagation *50-60% rooting*  
Establishment and response  
to environment *relatively rustic  
clone, reacts favorable  
to shade elimination*

## 1 IDENTITY

Collection code 17  
Varietal name/number *SNK 12*  
Other designations *M 0 of Ebo-  
lowa, IFC 1-2*

## 2 ORIGIN

Place collected/selected *Nkoem-  
vone Cacao Station, Cameroon*  
Varietal type *Trinitario*  
Type of population:  $S_0$  X  
 $F_1$   
BC

## 3 PLANT CHARACTERS

Habit *erect, vigorous*  
Leaf shape/type *ovate (large)*  
Color of new leaf flush *well  
pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *interrupted*  
Size of: Peduncle *medium*  
Sepals *medium*  
Ligules *large  
(elongated)*  
Staminodes *medium*

Pigmentation of:

Peduncle *well pigmented*  
Sepals *pigmented*  
Ligules *non pigmented*  
Staminodes *pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *red (vio-  
let)*  
furrows *green*  
Shape *angoleta*  
Size *medium*  
Rugosity *rugose*  
Shell thickness *thin*

## 6 SEED CHARACTERS

Size *medium*  
Shape *flat (long)*  
Color of cotyledons *dark purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *tolerant*  
*Crinipellis pernicioso* *not tested*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *not tested*  
Virus *not tested*  
Dieback *not tested*  
Others

Insects *somewhat attractive for  
Mirides*

## 8 GENETIC INFORMATION

Compatibility *self-compatible*  
Pod pigmentation *heterozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent *yes*  
Other

## 10 DISTRIBUTION AVAILABILITY

## 11 TECHNICAL DATA

Performance  
Propagation *40-50% rooting*  
Establishment and response  
to environment *poor growth and  
production without shade*

## 1 IDENTITY

Collection code 18  
Varietal name/number *SNK 13*  
Other designations 9 tree of  
*Nkoemvone Station, IFC 1-3*

## 2 ORIGIN

Place collected/selected *Nkoemvone Cacao Station, Cameroon*  
Varietal type *Trinitario*  
Type of population: S<sub>0</sub> X  
F<sub>1</sub>  
BC

## 3 PLANT CHARACTERS

Habit *weeping*  
Leaf shape/type *ovate (small)*  
Color of new leaf flush *well pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *continuous with 2 peaks*  
Size of: Peduncle *short*  
Sepals *medium*  
Ligules *large*  
Staminodes *large*  
Pigmentation of:  
Peduncle *pigmented*  
Sepals *non pigmented*  
Ligules *slightly pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *red (pale violet)*  
furrows *red (pale violet)*  
Shape *amelonado*  
Size *medium*  
Rugosity *rugose*  
Shell thickness *medium*

## 6 SEED CHARACTERS

Size *medium*  
Shape *ovoid*  
Color of cotyledons *pale purple*

## 7 DISEASES AND PESTS

Reaction to:  
*Phytophthora palmivora* *susceptible*  
*Crinipellis perniciosa* *not tested*  
*Monilia royeri* *not tested*  
*Ceratocystis fimbriata* *not tested*  
Virus *not tested*  
Dieback *not tested*  
Others

Insects *very sensitive to Psylles and Cycadelles*

## 8 GENETIC INFORMATION

Compatibility *self-incompatible*  
Pod pigmentation *heterozygous*  
Other information *early bearing*

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent *yes*  
Other

## 10 DISTRIBUTION AVAILABILITY

## 11 TECHNICAL DATA

Performance  
Propagation *33% rooting*  
Establishment and response to environment *cannot resist absence of shade*

## 1 IDENTITY

Collection code 19  
Varietal name/number SNK 16  
Other designation 142 C 26,  
IFC 1-4

## 2 ORIGIN

Place collected/selected *Nkoem-  
vone Cacao Station, Cameroon*  
Varietal type *Trinitario*  
Type of population: S<sub>0</sub> X  
F<sub>1</sub>  
BC

## 3 PLANT CHARACTERS

Habit *erect, vigorous*  
Leaf shape/type *elliptic*  
Color of new leaf flush *slightly  
pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *continuous with  
2 peaks*  
Size of: Peduncle *short*  
Sepals *large*  
Ligules *large  
(triangular)*  
Staminodes *large*  
Pigmentation of:  
Peduncle *non pigmented*  
Sepals *non pigmented*  
Ligules *slightly pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *green*  
furrows *green (pale)*  
Shape *amelonado*  
Size *medium*  
Rugosity *rugose*  
Shell thickness *thick*

## 6 SEED CHARACTERS

Size *large*  
Shape *ovoid*  
Color of cotyledons *dark purple*

## 7 DISEASES AND PESTS

### Reaction to:

*Phytophthora palmivora* *tolerant*  
*Crinipellis perniciosa* *not tested*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *not tested*  
Virus *not tested*  
Dieback *not tested*  
Others

Insects *very attractive to Mirides*

## 8 GENETIC INFORMATION

Compatibility *self-incompatible*  
Pod pigmentation *homozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent *yes*  
Other

## 10 DISTRIBUTION AVAILABILITY

## 11 TECHNICAL DATA

Performance  
Propagation *67% rooting*  
Establishment and response  
to environment *rustic and vigor-  
ous clone, poor growth and  
production without shade*

## 1 IDENTITY

Collection code 20  
Varietal name/number *SNK 30*  
Other designations *M4 Ebolo-*  
*wa, IFC 1-5*

## 2 ORIGIN

Place collected/selected *Nkoem-*  
*vone Cacao Station, Cameroon*

Varietal type *Trinitario*

Type of population: S<sub>0</sub> X  
F<sub>1</sub>  
BC

## 3 PLANT CHARACTERS

Habit *erect, very vigorous*  
Leaf shape/type *elliptic*  
Color of new leaf flush *slightly*  
*pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *interrupted*  
Size of: Peduncle *medium*  
Sepals *medium*  
Ligules *medium*  
Staminodes *large*

Pigmentation of:

Peduncle *well pigmented*  
Sepals *pigmented*  
Ligules *non pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *red (vio-*  
*let)*  
furrows *green (pale)*

Shape *amelonado*  
Size *small*  
Rugosity *slightly rugose*  
Shell thickness *medium*

## 6 SEED CHARACTERS

Size *medium*  
Shape *ovoid*  
Color of cotyledons *dark purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *not tested*  
*Crinipellis perniciosa* *not tested*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *not tested*

Virus *not tested*

Dieback *not tested*

Others

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-incompatible*  
Pod pigmentation *heterozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent *yes*  
Other

## 10 DISTRIBUTION AVAILABILITY

## 11 TECHNICAL DATA

Performance  
Propagation *70% rooting*  
Establishment and response  
to environment *rustic clone*

## 1 IDENTITY

Collection code 21  
Varietal name/number *SNK 37*  
Other designations *174 D 21,*  
*5-7, IFC 1-5*

## 2 ORIGIN

Place collected/selected *Nkoem-*  
*vone Cacao Station, Cameroon*

Varietal type *Trinitario*

Type of population: S<sub>0</sub> X  
F<sub>1</sub>  
BC

## 3 PLANT CHARACTERS

Habit *erect*

Leaf shape/type *lanceolate*  
*(large)*

Color of new leaf flush *slightly*  
*pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *continuous with*  
*peaks*

Size of: Peduncle *medium*

Sepals *large*

Ligules *medium*

Staminodes *large*

Pigmentation of:

Peduncle *non pigmented*

Sepals *slightly pigmented*

Ligules *pigmented*

Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *green*  
furrows *green*

Shape *amelonado*

Size *medium*

Rugosity *smooth*

Shell thickness *thin*

## 6 SEED CHARACTERS

Size *large*

Shape *flat (large)*

Color of cotyledons *dark purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *tolerant*

*Crinipellis perniciosa* *not tested*

*Monilia roleri* *not tested*

*Ceratocystis fimbriata* *not tested*

Virus *not tested*

Dieback *not tested*

Others

Insects *attractive to Mirides*

## 8 GENETIC INFORMATION

Compatibility *self-compatible*

Pod pigmentation *homozygous*

Other information

## 9 PURPOSE OF SELECTION

Cultivar *yes*

Foundation parent *yes*

Other

## 10 DISTRIBUTION AVAILABILITY

## 11 TECHNICAL DATA

Performance

Propagation *82% rooting*

Establishment and response

to environment *rustic clone.*

*Reacts favorably without shade*

## 1 IDENTITY

Collection code 22  
Varietal name/number SNK 48  
Other designation IFC 1-6

## 2 ORIGIN

Place collected/selected *Nkoem-vone Cacao Station, Cameroon*

Varietal type *Trinitario*

Type of population: S<sub>0</sub> X  
F<sub>1</sub>  
BC

## 3 PLANT CHARACTERS

Habit *erect*

Leaf shape/type *elliptic (large)*

Color of new leaf flush *slightly pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *interrupted*

Size of: Peduncle *short*  
Sepals *medium*  
Ligules *medium*  
Staminodes *large*

Pigmentation of:

Peduncle *non pigmented*  
Sepals *non pigmented*  
Ligules *non pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *green*  
furrows *green*

Shape *cundeamor*

Size *large*

Rugosity *very rugose*

Shell thickness *medium*

## 6 SEED CHARACTERS

Size *large*

Shape *ovoid*

Color of cotyledons *pale purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *susceptible*

*Crinipellis pernicioso* *not tested*

*Monilia roleri* *not tested*

*Ceratocystis fimbriata* *not tested*

Virus *not tested*

Dieback *not tested*

Others

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-incompatible*

Pod pigmentation *homozygous*

Other information

## 9 PURPOSE OF SELECTION

Cultivar *yes*

Foundation parent *yes*

Other

## 10 DISTRIBUTION AVAILABILITY

## 11 TECHNICAL DATA

Performance

Propagation *40-50% rooting*

Establishment and response to environment *rustic clone*



## 1 IDENTITY

Collection code 23  
Varietal name/number SNK 52  
Other designations 59 D 31, L55  
of *Ebolowa*, IFC 1-7

## 2 ORIGIN

Place collected/selected *Nkoem-vone Cacao Station, Cameroon*

Varietal type *Forastero*

Type of population: S<sub>0</sub> X  
F<sub>1</sub>  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *elliptic (small)*  
Color of new leaf flush  
*pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *interrupted*  
Size of: Peduncle *short*  
Sepals *large*  
Ligules *medium*  
Staminodes *large*

Pigmentation of:

Peduncle *pigmented*  
Sepals *pigmented*  
Ligules *non pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *red*  
*(purple)*  
furrows *red (purple)*

Shape *melonado*  
Size *small*  
Rugosity *smooth*  
Shell thickness *thin*

## 6 SEED CHARACTERS

Size *medium*  
Shape *ovoid*  
Color of cotyledons *pale purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *not tested*  
*Crinipellis pernicioso* *not tested*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *not tested*  
Virus *not tested*  
Dieback *not tested*  
Others  
Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-incompatible*  
Pod pigmentation *homozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent  
Other

## 10 DISTRIBUTION AVAILABILITY

## 11 TECHNICAL DATA

Performance  
Propagation *75% rooting*  
Establishment and response  
to environment *rustic clone*

## 1 IDENTITY

Collection code 24  
Varietal name/number SNK 64  
Other designations 72 A 8,  
IFC 1-7

## 2 ORIGIN

Place collected/selected *Nkoem-  
vone Cacao Station, Cameroon*

Varietal type *Forastero*

Type of population: S<sub>0</sub> X  
F<sub>1</sub>  
BC

## 3 PLANT CHARACTERS

Habit *weeping*  
Leaf shape/type *elliptic*  
Color of new leaf flush *slightly  
pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *interrupted*  
Size of: Peduncle *short*  
Sepals *short  
(straight)*  
Ligules *medium*  
Staminodes *large*

Pigmentation of:

Peduncle *pigmented*  
Sepals *slightly pigmented*  
Ligules *slightly pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *green*  
furrows *green*  
Shape *cundeamor*  
Size *medium*  
Rugosity *rugose*  
Shell thickness *thin*

## 6 SEED CHARACTERS

Size *medium*  
Shape *flat-ovoid*  
Color of cotyledons *dark purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *resistant*  
*Crinipellis pernicioso* *not tested*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *not tested*  
Virus *not tested*  
Dieback *not tested*  
Others

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-compatible*  
Pod pigmentation *homozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent *yes*  
Other

## 10 DISTRIBUTION AVAILABILITY

## 11 TECHNICAL DATA

Performance  
Propagation: *50% rooting*  
Establishment and response  
to environment: *rustic clone*

## 1 IDENTITY

Collection code 25  
Varietal name/number SNK 109  
Other designations L73 A9, L-68  
of Ebolowa, IFC 1-8

## 2 ORIGIN

Place collected/selected *Nkoem-  
vone Cacao Station, Cameroon*

Varietal type *Trinitario*

Type of population: S<sub>0</sub> X  
F<sub>1</sub>  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *elliptic (small)*  
Color of new leaf flush *well  
pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *interrupted*  
Size of: Peduncle *medium*  
Sepals *large*  
Ligules *small  
(triangular)*  
Staminodes *large*

Pigmentation of:

Peduncle *pigmented*  
Sepals *pigmented*  
Ligules *non pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *red  
(purple)*  
furrows *green*  
Shape *amelonado*  
Size *medium*  
Rugosity *smooth*  
Shell thickness *thick*

## 6 SEED CHARACTERS

Size *medium*  
Shape *cylindrical*  
Color of cotyledons *dark purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *susceptible*  
*Crinipellis perniciosa* *not tested*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *not tested*  
Virus *not tested*  
Dieback *not tested*  
Others

Insects *attractive to Mirides*

## 8 GENETIC INFORMATION

Compatibility *self-incompatible*  
Pod pigmentation *heterozygous*  
Other information *earliness*

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent *yes*  
Other

## 10 DISTRIBUTION AVAILABILITY

## 11 TECHNICAL DATA

Performance  
Propagation *90-100% rooting*  
Establishment and response  
to environment *rustic clone, poor  
growth and production  
without shade*

## 1 IDENTITY

Collection code 26  
Varietal name/number *SNK 111*  
Other designations 39 F 169,  
*IFC 1-9*

## 2 ORIGIN

Place collected/selected *Nkoem-  
vone Cacao Station, Cameroon*

Varietal type *Trinitario*

Type of population: S<sub>0</sub> X  
F<sub>1</sub>  
BC

## 3 PLANT CHARACTERS

Habit *erect*

Leaf shape/type *ovate (small)*

Color of new leaf flush *slightly  
pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *interrupted*

Size of: Peduncle *short*  
Sepals *medium*  
Ligules *large*  
Staminodes *large*

Pigmentation of:

Peduncle *pigmented*  
Sepals *pigmented*  
Ligules *pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *green*  
furrows *green (pale)*

Shape *amelonado*  
Size *medium*  
Rugosity *smooth*  
Shell thickness *medium*

## 6 SEED CHARACTERS

Size *medium*  
Shape *ovoid*  
Color of cotyledons *pale purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *susceptible*  
*Crinipellis perniciosa* *not tested*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *not tested*

Virus *not tested*

Dieback *not tested*

Others

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-incompatible*  
Pod pigmentation *homozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent *yes*  
Other

## 10 DISTRIBUTION AVAILABILITY

## 11 TECHNICAL DATA

Performance  
Propagation *80% rooting*  
Establishment and response  
to environment *rustic clone*

## 1 IDENTITY

Collection code 27  
Varietal name/number *SNK 181*  
Other designations *45 D 25,*  
*IFC 1-10*

## 2 ORIGIN

Place collected/selected *Nkoem-*  
*vone Cacao Station, Cameroon*

Varietal type *Trinitario*

Type of population:  $S_0$   
 $F_1$   
BC

## 3 PLANT CHARACTERS

Habit *interrupted*  
Leaf shape/type *elliptic (large)*  
Color of new leaf flush  
*pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *interrupted*  
Size of: Peduncle *short*  
Sepals *medium*  
Ligules *medium*  
Staminodes *short*

Pigmentation of:

Peduncle *pigmented*  
Sepals *pigmented*  
Ligules *non pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *red*  
*(purple)*  
furrows *red (pale purple)*  
Shape *amelonado*  
Size *medium*  
Rugosity *smooth*  
Shell thickness *thick*

## 6 SEED CHARACTERS

Size *medium*  
Shape *ovoid*  
Color of cotyledons *pale purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *tolerant*  
*Crinipellis perniciosa* *not tested*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *not tested*

Virus *not tested*

Dieback *not tested*

Others

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility  
Pod pigmentation *homozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent  
Other

## 10 DISTRIBUTION AVAILABILITY

## 11 TECHNICAL DATA

Performance  
Propagation *36% rooting*  
Establishment and response  
to environment

## 1. IDENTITY

Collection code 28  
Varietal name/number *SNK 416*  
Other designations *174 C 8, 57*  
*of Ebolowa, IFC 1-11*

## 2. ORIGIN

Place collected/selected *Nkoem-  
vone Cacao Station, Cameroon*

Varietal type *Trinitario*

Type of population:  $S_0$  X  
 $F_1$   
BC

## 3. PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *ovate (large)*  
Color of new leaf flush  
*pigmented*

## 4. FLOWER CHARACTERS

Flowering habit *interrupted*  
Size of: Peduncle *short*  
Sepals *medium*  
Ligules *medium*  
Staminodes *large*

Pigmentation of:

Peduncle *pigmented*  
Sepals *pigmented*  
Ligules *non pigmented*  
Staminodes *well pigmented*

## 5. FRUIT CHARACTERS

Color (unripe) ridges *red*  
*(purple)*  
furrows *green*

Shape *calabacillo*  
Size *small*  
Rugosity *smooth*  
Shell thickness *medium*

## 6. SEED CHARACTERS

Size *large*  
Shape *flat (large)*  
Color of cotyledons *dark purple*

## 7. DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *resistant*  
*Crinipellis pernicioso* *not tested*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *not tested*

Virus *not tested*

Dieback *not tested*

Others

Insects *not tested*

## 8. GENETIC INFORMATION

Compatibility *self-incompatible*  
Pod pigmentation *heterozygous*  
Other information

## 9. PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent *yes*  
Other

## 10. DISTRIBUTION AVAILABILITY

## 11. TECHNICAL DATA

Performance  
Propagation *72% rooting*  
Establishment and response  
to environment *rustic clone*

## 1 IDENTITY

Collection code 29  
Varietal name/number SNK 460  
Other designations 172/47, L66  
of Ebolowa, IFC 1-12

## 2 ORIGIN

Place collected/selected *Nkoem-vone Cacao Station, Cameroon*

Varietal type *Trinitario*

Type of population: S<sub>0</sub>  
F<sub>1</sub> X  
BC

## 3 PLANT CHARACTERS

Habit *erect, vigorous*  
Leaf shape/type *lanceolate*  
Color of new leaf flush *well pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *interrupted*  
Size of: Peduncle *medium*  
Sepals *short*  
Ligules *straight*  
Staminodes *large*

Pigmentation of:

Peduncle *well pigmented*  
Sepals *slightly pigmented*  
Ligules *slightly pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *red*  
*(purple)*  
furrows *red (pale purple)*  
Shape *calabacillo*  
Size *medium*  
Rugosity *smooth*  
Shell thickness *medium*

## 6 SEED CHARACTERS

Size *large*  
Shape *ovoid*  
Color of cotyledons *pale purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *susceptible*  
*Crinipellis perniciosa* *not tested*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *not tested*

Virus *not tested*

Dieback *not tested*

Others

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-incompatible*  
Pod pigmentation *homozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent *yes*  
Other

## 10 DISTRIBUTION AVAILABILITY

## 11 TECHNICAL DATA

Performance  
Propagation *65% rooting*  
Establishment and response to environment

## 1 IDENTITY

Collection code 30  
Varietal name/number *SNK 134*  
Other designations *T86/984,*  
*IFC 1-13*

## 2 ORIGIN

Place collected/selected *Nkoem-*  
*vone Cacao Station, Cameroon*

Varietal type *Forastero Upper*  
*Amazon*

Type of population:  $S_0$  X  
 $F_1$   
BC

## 3 PLANT CHARACTERS

Habit *weeping*  
Leaf shape/type *lanceolate*  
Color of new leaf flush *slightly*  
*pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *interrupted*  
Size of: Peduncle *large*  
Sepals *medium*  
Ligules *medium*  
*(elongated)*  
Staminodes *large*

Pigmentation of:

Peduncle *non pigmented*  
Sepals *non pigmented*  
Ligules *slightly pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *green*  
furrows *green*

Shape *amelonado*  
Size *medium*  
Rugosity *rugose*  
Shell thickness *medium*

## 6 SEED CHARACTERS

Size *medium*  
Shape *ovoid*  
Color of cotyledons *pale purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *susceptible*  
*Crinipellis pernicioso* *not tested*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *not tested*  
Virus *not tested*  
Dieback *not tested*  
Others

Insects *resistant to Mirides,*  
*Psilles and Cicadelles*

## 8 GENETIC INFORMATION

Compatibility *self-incompatible*  
Pod pigmentation *homozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent *yes*  
Other

## 10 DISTRIBUTION AVAILABILITY

## 11 TECHNICAL DATA

Performance  
Propagation *67% rooting*  
Establishment and response  
to environment *reacted well*  
*without shade*



## 1 IDENTITY

Collection code 31  
Varietal name/number *SNK 138*  
Other designations *332 A 12,*  
*T86/984, IFC 1-14*

## 2 ORIGIN

Place collected/selected *Nkoem-*  
*vone Cacao Station, Cameroon*

Varietal type *Forastero Upper*  
*Amazon*

Type of population: S<sub>0</sub> X  
F<sub>1</sub>  
BC

## 3 PLANT CHARACTERS

Habit *weeping*  
Leaf shape/type *lanceolate*  
Color of new leaf flush *slightly*  
*pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *interrupted*  
Size of: Peduncle *short*  
Sepals *medium*  
Ligules *small*  
Staminodes *small*

Pigmentation of:

Peduncle *non pigmented*  
Sepals *non pigmented*  
Ligules *pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *green*  
furrows *green*

Shape *cundeamor*  
Size *medium*  
Rugosity *very rugose*  
Shell thickness *medium*

## 6 SEED CHARACTERS

Size *medium*  
Shape *ovoid*  
Color of cotyledons *dark purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *not tested*  
*Crinipellis pernicioso* *not tested*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *not tested*

Virus *not tested*  
Dieback *not tested*  
Others

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-incompatible*  
Pod pigmentation *homozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent *yes*  
Other

## 10 DISTRIBUTION AVAILABILITY

## 11 TECHNICAL DATA

Performance  
Propagation *79% rooting*  
Establishment and response  
to environment

## 1 IDENTITY

Collection code 32  
Varietal name/number *SNK 143*  
Other designations *327 A 2,*  
*T61/1682, IFC 1-15*

## 2 ORIGIN

Place collected/selected *Nkoem-  
vone Cacao Station, Cameroon*

Varietal type *Forastero Upper  
Amazon*

Type of population:  $S_0$  X  
 $F_1$   
BC

## 3 PLANT CHARACTERS

Habit *weeping*  
Leaf shape/type *lanceolate*  
Color of new leaf flush *slightly  
pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *interrupted*  
Size of: Peduncle *medium*  
Sepals *medium*  
Ligules *small*  
Staminodes *large*

Pigmentation of:

Peduncle *slightly pigmented*  
Sepals *non pigmented*  
Ligules *slightly pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *green*  
furrows *green*

Shape *calabacillo*  
Size *medium*  
Rugosity *smooth*  
Shell thickness *thin*

## 6 SEED CHARACTERS

Size *medium*  
Shape *flat-ovoid*  
Color of cotyledons *dark purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *susceptible*  
*Crinipellis pernicioso* *not tested*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *not tested*

Virus *not tested*

Dieback *not tested*

Others

Insects *slightly attractive to  
Mirides*

## 8 GENETIC INFORMATION

Compatibility *self-incompatible*  
Pod pigmentation *homozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent *yes*  
Other

## 10 DISTRIBUTION AVAILABILITY

## 11 TECHNICAL DATA

Performance  
Propagation *56% rooting*  
Establishment and response  
to environment *reacts well to  
absence of shade*

## 1 IDENTITY

Collection code 33  
Varietal name/number *SNK 337*  
Other designations *327 A1,*  
*T61/1682, IFC 1-16*

## 2 ORIGIN

Place collected/selected *Nkoem-  
vone Cacao Station, Cameroon*  
Varietal type *Forastero Upper  
Amazon*  
Type of population:  $S_0$  X  
 $F_1$   
BC

## 3 PLANT CHARACTERS

Habit *weeping*  
Leaf shape/type *lanceolate*  
Color of new leaf flush *slightly  
pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *interrupted*  
Size of: Peduncle *short*  
Sepals *medium*  
Ligules *small*  
Staminodes *small*

Pigmentation of:

Peduncle *non pigmented*  
Sepals *non pigmented*  
Ligules *non pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *green*  
furrows *green*  
Shape *calabacillo*  
Size *small*  
Rugosity *smooth*  
Shell thickness *thin*

## 6 SEED CHARACTERS

Size *medium*  
Shape *ovoid*  
Color of cotyledons *dark purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *susceptible*  
*Crinipellis pernicioso* *not tested*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *not tested*  
Virus *not tested*  
Dieback *not tested*  
Others

Insects *resistant to Paylles, sus-  
ceptible to Mirides and Cicadell*

## 8 GENETIC INFORMATION

Compatibility *self-compatible*  
Pod pigmentation *homozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent *yes*  
Other

## 10 DISTRIBUTION AVAILABILITY

## 11 TECHNICAL DATA

Performance  
Propagation *38% rooting*  
Establishment and response  
to environment *poor growth  
without shade*

## 1 IDENTITY

Collection code 34  
Varietal name/number CC-9  
Other designations

## 2 ORIGIN

Place collected/selected *La Lola farm, Atlantic zone, Costa Rica*  
Varietal type *hybrid (Matina x Trinitario)*  
Type of population: S<sub>0</sub>  
F<sub>1</sub> X  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *elliptic*  
Color of new leaf flush *well pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *continuous with peaks*  
Size of: Peduncle *medium*  
Sepals *large*  
Ligules *large*  
Staminodes *medium*

Pigmentation of:

Peduncle *well pigmented*  
Sepals *well pigmented*  
Ligules *slightly-well pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *green*  
furrows *green*  
Shape *amelonado*  
Size *medium*  
Rugosity *slightly rugose*  
Shell thickness *medium*

## 6 SEED CHARACTERS

Size *medium*  
Shape *flat*  
Color of cotyledons *dark purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *not tested*  
*Crinipellis pernicioso* *not tested*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *tolerant*

Virus *not tested*  
Dieback *not tested*  
Others

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-compatible*  
Pod pigmentation *homozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent  
Other

## 10 DISTRIBUTION AVAILABILITY

*asexually*

## 11 TECHNICAL DATA

Performance *2.0 kg/tree*  
Propagation *easy*  
Establishment and response to environment *good*

## 1 IDENTITY

Collection code 35  
Varietal name/number CC-10  
Other designations

## 2 ORIGIN

Place collected/selected *La Lola farm, Atlantic zone, Costa Rica*

Varietal type *hybrid (Matina x Trinitario)*

Type of population: S<sub>0</sub>  
F<sub>1</sub> X  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *elliptic*  
Color of new leaf flush *well pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *continuous with peaks*

Size of: Peduncle *large*  
Sepals *large*  
Ligules *large*  
Staminodes *large*

Pigmentation of:

Peduncle *well pigmented*  
Sepals *slightly pigmented*  
Ligules *slightly pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *green*  
furrows *green*

Shape *angoleta*

Size *large*

Rugosity *rugose*

Shell thickness *medium*

## 6 SEED CHARACTERS

Size *large*  
Shape *cylindrical*  
Color of cotyledons *dark purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *susceptible*  
*Crinipellis pernicioso* *not tested*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *susceptible*

Virus *not tested*

Dieback *not tested*

Others

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-compatible*  
Pod pigmentation *homozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent  
Other

## 10 DISTRIBUTION AVAILABILITY

*asexually*

## 11 TECHNICAL DATA

Performance *3.5 kg/tree*

Propagation *easy*

Establishment and response to environment *very good*

## 1 IDENTITY

Collection code 36  
Varietal name/number CC-39  
Other designations

## 2 ORIGIN

Place collected/selected *Turrialba, Costa Rica*

Varietal type *Trinitario*

Type of population: S<sub>0</sub>  
F<sub>1</sub> *UF-668, open pollination*  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *elliptic*  
Color of new leaf flush *slightly pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *continuous with peaks*  
Size of: Peduncle *medium*  
Sepals *large*  
Ligules *large*  
Staminodes *medium*

Pigmentation of:

Peduncle *slightly pigmented*  
Sepals *slightly pigmented*  
Ligules *well pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *green*  
furrows *green*  
Shape *amelonado*  
Size *medium*  
Rugosity *slightly rugose*  
Shell thickness *thick*

## 6 SEED CHARACTERS

Size *medium*  
Shape *ovoid*  
Color of cotyledons *white, pale purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *susceptible*  
*Crinipellis perniciosa* *not tested*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *not tested*  
Virus *not tested*  
Dieback *not tested*  
Others

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-compatible*  
Pod pigmentation *homozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent  
Other

## 10 DISTRIBUTION AVAILABILITY

*asexually*

## 11 TECHNICAL DATA

Performance *high yield*  
Propagation *easy*  
Establishment and response to environment *good establishment*

## 1 IDENTITY

Collection code 37  
Varietal name/number CC-107  
Other designations

## 2 ORIGIN

Place collected/selected *La Lola farm, Costa Rica*

Varietal type *Trinitario*

Type of population: S<sub>0</sub>  
F<sub>1</sub> *UF-221, open pollination*  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *elliptic*  
Color of new leaf flush *slightly pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *interrupted*

Size of: Peduncle *large*  
Sepals *large*  
Ligules *medium*  
Staminodes *small*

Pigmentation of:

Peduncle *slightly pigmented*  
Sepals *slightly pigmented*  
Ligules *slightly pigmented*  
Staminodes *slightly pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *green*  
furrows *green*

Shape *angoleta*

Size *small*

Rugosity *slightly rugose*

Shell thickness *medium*

## 6 SEED CHARACTERS

Size *medium*

Shape *flat*

Color of cotyledons *dark purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *not tested*

*Crinipellis pernicioso* *not tested*

*Monilia roleri* *not tested*

*Ceratocystis fimbriata* *not tested*

Virus *not tested*

Dieback *not tested*

Others

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-compatible*

Pod pigmentation *homozygous*

Other information

## 9 PURPOSE OF SELECTION

Cultivar *yes*

Foundation parent

Other

## 10 DISTRIBUTION AVAILABILITY

*asexually*

## 11 TECHNICAL DATA

Performance *1.5-2.0 kg/tree*

Propagation *easy*

Establishment and response to environment

## 1 IDENTITY

Collection code 38  
Varietal name/number CC-137  
Other designations

## 2 ORIGIN

Place collected/selected *La Lola farm, Costa Rica*

Varietal type *Trinitario*

Type of population: S<sub>0</sub>  
F<sub>1</sub> *UF-12, open pollination*  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *elliptic*  
Color of new leaf flush *slightly pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *interrupted*

Size of: Peduncle *medium*  
Sepals *large*  
Ligules *medium*  
Staminodes *small*

Pigmentation of:

Peduncle *slightly pigmented*  
Sepals *slightly pigmented*  
Ligules *well pigmented*  
Staminodes *slightly pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *green*  
furrows *green*

Shape *angoleta*  
Size *medium*  
Rugosity *slightly rugose*  
Shell thickness *medium*

## 6 SEED CHARACTERS

Size *large*  
Shape *flat-ovoid*  
Color of cotyledons *dark purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *not tested*  
*Crinipellis perniciosa* *not tested*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *not tested*

Virus *not tested*  
Dieback *not tested*  
Others

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-compatible*  
Pod pigmentation *homozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent  
Other

## 10 DISTRIBUTION AVAILABILITY

*asexually*

## 11 TECHNICAL DATA

Performance *1.8-2.5 kg/tree*  
Propagation *easy*  
Establishment and response to environment



## 1 IDENTITY

Collection code 39  
Varietal name/number CC-139  
Other designations

## 2 ORIGIN

Place collected/selected *La Lola farm, Costa Rica*

Varietal type *Trinitario*

Type of population: S<sub>0</sub>

F<sub>1</sub> *UF-12, open pollination*

BC

## 3 PLANT CHARACTERS

Habit *erect*

Leaf shape/type *elliptic, acuminate*

Color of new leaf flush *slightly pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *interrupted*

Size of: Peduncle *large*

Sepals *large*

Ligules *medium*

Staminodes *medium*

Pigmentation of:

Peduncle *well pigmented*

Sepals *slightly pigmented*

Ligules *well pigmented*

Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *green*  
furrows *green*

Shape *angoleta*

Size *medium*

Rugosity *slightly rugose*

Shell thickness *medium*

## 6 SEED CHARACTERS

Size *large*

Shape *flat-ovoid*

Color of cotyledons *dark purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *not tested*

*Crinipellis perniciosa* *not tested*

*Monilia roleri* *not tested*

*Ceratocystis fimbriata* *not tested*

Virus *not tested*

Dieback *not tested*

Others

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-compatible*

Pod pigmentation *homozygous*

Other information

## 9 PURPOSE OF SELECTION

Cultivar *yes*

Foundation parent

Other

## 10 DISTRIBUTION AVAILABILITY

*asexually*

## 11 TECHNICAL DATA

Performance *1.5-2.0 kg/tree*

Propagation *easy*

Establishment and response to environment

## 1 IDENTITY

Collection code 40  
Varietal name/number UF-29  
Other designations

## 2 ORIGIN

Place collected/selected *Bataan farm, Costa Rica*

Varietal type *Forastero - Nacional*

Type of population: S<sub>0</sub> X  
F<sub>1</sub>  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *elliptic*  
Color of new leaf flush *slightly pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *interrupted*  
Size of: Peduncle *large*  
Sepals *medium*  
Ligules *small*  
Staminodes *small*

Pigmentation of:

Peduncle *slightly pigmented*  
Sepals *slightly pigmented*  
Ligules *slightly pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *green*  
furrows *green*

Shape *amelonado*  
Size *medium*  
Rugosity *slightly rugose*  
Shell thickness *medium*

## 6 SEED CHARACTERS

Size *medium*  
Shape *cylindrical*  
Color of cotyledons *dark purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *tolerant*  
*Crinipellis pernicioso* *susceptible*  
*Monilia roleri* *susceptible*  
*Ceratocystis fimbriata* *tolerant*  
Virus *not tested*  
Dieback *not tested*  
Others

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-compatible*  
Pod pigmentation *homozygous*  
Other information *high combining ability for yield*

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent *yes*  
Other

## 10 DISTRIBUTION AVAILABILITY

*sexual and asexually*

## 11 TECHNICAL DATA

Performance *2.5 kg/tree*  
Propagation *easy*  
Establishment and response to environment *very good*

## 1 IDENTITY

Collection code 41  
Varietal name/number UF-221  
Other designations

## 2 ORIGIN

Place collected/selected *Atlantic  
Zone, Costa Rica*

Varietal type *hybrid (Trinitario)*

Type of population: S<sub>0</sub> X  
F<sub>1</sub>  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *elliptic*  
Color of new leaf flush *well  
pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *continuous  
with peaks*

Size of: Peduncle *large*  
Sepals *large*  
Ligules *medium*  
Staminodes *medium*

Pigmentation of:

Peduncle *well pigmented*  
Sepals *well pigmented*  
Ligules *slightly pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *deep red*  
furrows *reddish-green*

Shape *cundeamor*  
Size *medium*  
Rugosity *rugose*  
Shell thickness *medium*

## 6 SEED CHARACTERS

Size *large*  
Shape *flat*  
Color of cotyledons *dark purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *susceptible*  
*Crinipellis perniciososa* *susceptible*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *susceptible*

Virus *not tested*  
Dieback *not tested*  
Others

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-compatible*  
Pod pigmentation *heterozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent  
Other

## 10 DISTRIBUTION AVAILABILITY

*asexually*

## 11 TECHNICAL DATA

Performance *2.4 kg/tree*  
Propagation *easy*  
Establishment and response  
to environment *good*

## 1 IDENTITY

Collection code 42  
Varietal name/number UF-296  
Other designations

## 2 ORIGIN

Place collected/selected *Atlantic  
Zone, Costa Rica*

Varietal type *Trinitario*

Type of population: S<sub>0</sub> X  
F<sub>1</sub>  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *elliptic*  
Color of new leaf flush *well  
pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *continuous  
with peaks*

Size of: Peduncle *medium*  
Sepals *large*  
Ligules *medium*  
Staminodes *small*

Pigmentation of:

Peduncle *well pigmented*  
Sepals *slightly pigmented*  
Ligules *slightly pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *reddish*  
furrows *reddish*

Shape *amelonado*  
Size *medium*  
Rugosity *slightly rugose*  
Shell thickness *thick*

## 6 SEED CHARACTERS

Size *large*  
Shape *cylindrical*  
Color of cotyledons *dark purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *tolerant*  
*Crinipellis pernicioso* *not tested*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *tolerant*

Virus *not tested*  
Dieback *tolerant*  
Others

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-compatible*  
Pod pigmentation *heterozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent *yes*  
Other

## 10 DISTRIBUTION AVAILABILITY

*asexually*

## 11 TECHNICAL DATA

Performance *good production*  
Propagation *difficult*  
Establishment and response  
to environment

## 1 IDENTITY

Collection code 43  
Varietal name/number UF-613  
Other designations

## 2 ORIGIN

Place collected/selected *Atlantic  
Zone, Costa Rica*

Varietal type *hybrid (Trinitario)*

Type of population: S<sub>0</sub> X  
F<sub>1</sub>  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *elliptic*  
Color of new leaf flush *well  
pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *continuous  
with peaks*

Size of: Peduncle *large*  
Sepals *large*  
Ligules *medium*  
Staminodes *medium*

Pigmentation of:

Peduncle *well pigmented*  
Sepals *slightly pigmented*  
Ligules *slightly pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *red*  
furrows *reddish*

Shape *amelonado*  
Size *large*  
Rugosity *smooth*  
Shell thickness *thick*

## 6 SEED CHARACTERS

Size *medium*  
Shape *flat*  
Color of cotyledons *dark purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *resistant*  
*Crinipellis pernicioso* *susceptible*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *tolerant*

Virus *not tested*

Dieback *not tested*

Others

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-compatible*  
Pod pigmentation *heterozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent *yes*  
Other

## 10 DISTRIBUTION AVAILABILITY

*sexually and asexually*

## 11 TECHNICAL DATA

Performance *good yield*  
Propagation *medium*  
Establishment and response  
to environment *very good*

1 IDENTITY

Collection code 44  
Varietal name/number UF-667  
Other designations

2 ORIGIN

Place collected/selected Atlantic  
Zone, Costa Rica  
Varietal type hybrid (Trinitario)  
Type of population: S<sub>0</sub> X  
F<sub>1</sub>  
BC

3 PLANT CHARACTERS

Habit erect  
Leaf shape/type elliptic  
Color of new leaf flush well  
pigmented

4 FLOWER CHARACTERS

Flowering habit continuous  
with peaks  
Size of: Peduncle medium  
Sepals large  
Ligules medium  
Staminodes medium

Pigmentation of:

Peduncle well pigmented  
Sepals slightly-well pig-  
mented  
Ligules slightly pigmented  
Staminodes well pigmented

5 FRUIT CHARACTERS

Color (unripe) ridges deep  
reddish  
furrows reddish  
Shape angoleta  
Size large  
Rugosity rugose  
Shell thickness thick

6 SEED CHARACTERS

Size large  
Shape ovoid  
Color of cotyledons white-pale  
purple

7 DISEASES AND PESTS

Reaction to:

Phytophthora palmivora susceptible  
Crinipellis perniciososa susceptible  
Monilia roleri susceptible  
Ceratocystis fimbriata susceptible

Virus not tested  
Dieback susceptible  
Others

Insects not tested

8 GENETIC INFORMATION

Compatibility self-incompatible  
Pod pigmentation heterozygous  
Other information

9 PURPOSE OF SELECTION

Cultivar yes  
Foundation parent good parent  
in crosses with Amazon clone  
Other

10 DISTRIBUTION AVAILABILITY

asexually

11 TECHNICAL DATA

Performance 1.5-2.0 kg/tree  
Propagation easy  
Establishment and response  
to environment

## 1 IDENTITY

Collection code 45  
Varietal name/number UF-650  
Other designations

## 2 ORIGIN

Place collected/selected *Atlantic Zone, Costa Rica*

Varietal type *hybrid (Trinitario)*

Type of population: S<sub>0</sub> X  
F<sub>1</sub>  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *elliptic*  
Color of new leaf flush *well pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *continuous with peaks*

Size of: Peduncle *large*  
Sepals *large*  
Ligules *medium*  
Staminodes *large*

Pigmentation of:

Peduncle *well pigmented*  
Sepals *slightly-well pigmented*  
Ligules *slightly pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *reddish*  
furrows *reddish-green*

Shape *angoleta*  
Size *medium*  
Rugosity *slightly rugose*  
Shell thickness *thick*

## 6 SEED CHARACTERS

Size *large*  
Shape *cylindrical*  
Color of cotyledons *dark purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *susceptible*  
*Crinipellis perniciosa* *susceptible*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *susceptible*

Virus *not tested*

Dieback *not tested*

Others

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-compatible*  
Pod pigmentation *heterozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent  
Other

## 10 DISTRIBUTION AVAILABILITY

*asexually*

## 11 TECHNICAL DATA

Performance *good yield*  
Propagation *easy*  
Establishment and response to environment *good*

## 1 IDENTITY

Collection code 46  
Varietal name/number UF-668  
Other designations

## 2 ORIGIN

Place collected/selected *Atlantic  
Zone, Costa Rica*

Varietal type *Trinitario*

Type of population: S<sub>0</sub> X  
F<sub>1</sub>  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *elliptic*  
Color of new leaf flush *slightly  
pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *continuous  
with peaks*

Size of: Peduncle *large*  
Sepals *large*  
Ligules *large*  
Staminodes *medium*

Pigmentation of:

Peduncle *non pigmented*  
Sepals *non pigmented*  
Ligules *slightly pigmented*  
Staminodes *slightly pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *green*  
furrows *green*

Shape *angoleta*  
Size *large*  
Rugosity *slightly rugose*  
Shell thickness *thick*

## 6 SEED CHARACTERS

Size *large*  
Shape *ovoid*  
Color of cotyledons *white-pale  
purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *susceptible*  
*Crinipellis pernicioso* *susceptible*  
*Monilia roleri* *susceptible*  
*Ceratocystis fimbriata* *susceptible*

Virus *not tested*  
Dieback *susceptible*

Others

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-compatible*  
Pod pigmentation *homozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent *good parent  
in crosses with Amazon clone*  
Other

## 10 DISTRIBUTION AVAILABILITY

*asexually*

## 11 TECHNICAL DATA

Performance *1.5-2.0 kg/tree*  
Propagation *easy*  
Establishment and response  
to environment *good*



1 IDENTITY

Collection code 47  
Varietal name/number UF-676  
Other designations

2 ORIGIN

Place collected/selected *Atlantic Zone, Costa Rica*

Varietal type *Trinitario*

Type of population: S<sub>0</sub> X  
F<sub>1</sub>  
BC

3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *ovoid*  
Color of new leaf flush *slightly pigmented*

4 FLOWER CHARACTERS

Flowering habit *continuous with peaks*

Size of: Peduncle *large*  
Sepals *large*  
Ligules *large*  
Staminodes *medium*

Pigmentation of:

Peduncle *slightly pigmented*  
Sepals *slightly pigmented*  
Ligules *slightly pigmented*  
Staminodes *well pigmented*

5 FRUIT CHARACTERS

Color (unripe) ridges *green*  
furrows *green*

Shape *angoleta*  
Size *large*  
Rugosity *slightly rugose*  
Shell thickness *thick*

6 SEED CHARACTERS

Size *large*  
Shape *ovoid*  
Color of cotyledons *pale purple*

7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *susceptible*  
*Crinipellis pernicioso* *susceptible*  
*Monilia roleri* *susceptible*  
*Ceratocystis fimbriata* *tolerant*

Virus *not tested*  
Dieback *resistant*  
Others

Insects *not tested*

8 GENETIC INFORMATION

Compatibility *self-compatible*  
Pod pigmentation *homozygous*  
Other information

9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent *good parent in crosses with Amazon clone*  
Other

10 DISTRIBUTION AVAILABILITY

*asexually*

11 TECHNICAL DATA

Performance *1.5-2.0 kg/tree*  
Propagation *difficult*  
Establishment and response to environment *good*

## 1 IDENTITY

Collection code 48  
Varietal name/number EET-19  
Other designations Tenguel-15

## 2 ORIGIN

Place collected/selected Tenguel farm, Guayas, Ecuador

Varietal type hybrid (Nacional x unknown)

Type of population: S<sub>0</sub>  
F<sub>1</sub> X  
BC

## 3 PLANT CHARACTERS

Habit hanging branches  
Leaf shape/type elliptic  
Color of new leaf flush slightly pigmented

## 4 FLOWER CHARACTERS

Flowering habit interrupted  
Size of: Peduncle large  
Sepals medium  
Ligules small  
Staminodes medium

Pigmentation of:

Peduncle well pigmented  
Sepals slightly pigmented  
Ligules slightly pigmented  
Staminodes slightly pigmented

## 5 FRUIT CHARACTERS

Color (unripe) ridges green-reddish  
furrows green

Shape cundeamor  
Size large  
Rugosity rugose  
Shell thickness thick

## 6 SEED CHARACTERS

Size large  
Shape flat  
Color of cotyledons segregant purple to white

## 7 DISEASES AND PESTS

Reaction to:

Phytophthora palmivora not tested  
Crinipellis pernicioso susceptible  
Monilia roleri susceptible  
Ceratocystis fimbriata susceptible

Virus not tested  
Dieback not tested  
Others

Insects not tested

## 8 GENETIC INFORMATION

Compatibility self-compatible  
Pod pigmentation homozygous  
Other information

## 9 PURPOSE OF SELECTION

Cultivar yes  
Foundation parent yes  
Other

## 10 DISTRIBUTION AVAILABILITY

asexually

## 11 TECHNICAL DATA

Performance high yield  
Propagation easy  
Establishment and response to environment good

## 1 IDENTITY

Collection code 49  
Varietal name/number EET-48  
Other designations *Sta. Rosa-34*

## 2 ORIGIN

Place collected/selected *Sta. Rosa farm, Los Rios, Ecuador*

Varietal type *hybrid (Nacional x unknown)*

Type of population: S<sub>0</sub>  
F<sub>1</sub> X  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *elliptic*  
Color of new leaf flush *slightly pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *interrupted*  
Size of: Peduncle *large*  
Sepals *large*  
Ligules *medium*  
Staminodes *medium*

Pigmentation of:

Peduncle *slightly pigmented*  
Sepals *slightly pigmented*  
Ligules *nonpigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *green-reddish*  
furrows *green*

Shape *cundeamor*  
Size *medium*  
Rugosity *rugose*  
Shell thickness *thick*

## 6 SEED CHARACTERS

Size *large*  
Shape *cylindrical*  
Color of cotyledons *dark purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *not tested*  
*Crinipellis pernicioso* *susceptible*  
*Monilia roleri* *susceptible*  
*Ceratocystis fimbriata* *tolerant*

Virus *not tested*  
Dieback *not tested*  
Others

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-incompatible*  
Pod pigmentation *homozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent *yes*  
Other

## 10 DISTRIBUTION AVAILABILITY

*asexually*

## 11 TECHNICAL DATA

Performance *good yield*  
Propagation *easy*  
Establishment and response to environment *good*

## 1 IDENTITY

Collection code 50  
Varietal name/number EET-62  
Other designations *Porvenir-7*

## 2 ORIGIN

Place collected/selected *Porvenir farm, Los Ríos, Ecuador*

Varietal type *hybrid (Nacional x unknown)*

Type of population: S<sub>0</sub>  
F<sub>1</sub> X  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *elliptic*  
Color of new leaf flush *slightly pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *interrupted*  
Size of: Peduncle *medium*  
Sepals *large*  
Ligules *small*  
Staminodes *small*

Pigmentation of:

Peduncle *slightly pigmented*  
Sepals *slightly pigmented*  
Ligules *slightly pigmented*  
Staminodes *slightly pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *green-reddish*  
furrows *green*

Shape *cundeamor*  
Size *medium*  
Rugosity *rugose*  
Shell thickness *thick*

## 6 SEED CHARACTERS

Size *large*  
Shape *flat*  
Color of cotyledons *dark purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *not tested*  
*Crinipellis perniciosa* *susceptible*  
*Monilia roleri* *susceptible*  
*Ceratocystis fimbriata* *tolerant*

Virus *not tested*  
Dieback *not tested*  
Others

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *unknown*  
Pod pigmentation *homozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent *yes*  
Other

## 10 DISTRIBUTION AVAILABILITY

*asexually*

## 11 TECHNICAL DATA

Performance *3.0 kg/tree*  
Propagation *easy*  
Establishment and response to environment *good*

## 1 IDENTITY

Collection code 51  
Varietal name/number EET-64  
Other designations *Porvenir-13*

## 2 ORIGIN

Place collected/selected *Porvenir farm, Los Ríos, Ecuador*

Varietal type *hybrid (Nacional x unknown)*

Type of population: S<sub>0</sub>  
F<sub>1</sub> X  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *elliptic*  
Color of new leaf flush *slightly pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *interrupted*

Size of: Peduncle *large*  
Sepals *large*  
Ligules *medium*  
Staminodes *small*

Pigmentation of:

Peduncle *non pigmented*  
Sepals *non pigmented*  
Ligules *slightly pigmented*  
Staminodes *slightly pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *green*  
furrows *green*

Shape *amelonado*  
Size *medium*  
Rugosity *slightly rugose*  
Shell thickness *thick*

## 6 SEED CHARACTERS

Size *medium*  
Shape *cylindrical*  
Color of cotyledons *dark purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *tolerant*  
*Crinipellis pernicioso* *susceptible*  
*Monilia roleri* *susceptible*  
*Ceratocystis fimbriata* *susceptible*

Virus *not tested*  
Dieback *not tested*  
Others

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-compatible*  
Pod pigmentation *homozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent *yes*  
Other

## 10 DISTRIBUTION AVAILABILITY

*asexually*

## 11 TECHNICAL DATA

Performance *2.9 kg/tree*  
Propagation *easy*  
Establishment and response to environment *good*

## 1 IDENTITY

Collection code 52  
Varietal name/number EET-95  
Other designations Tenguel-33

## 2 ORIGIN

Place collected/selected Tenguel  
farm, Guayas, Ecuador

Varietal type hybrid (Nacional x  
unknown)

Type of population: S<sub>0</sub>  
F<sub>1</sub> X  
BC

## 3 PLANT CHARACTERS

Habit erect  
Leaf shape/type elliptic  
Color of new leaf flush slightly  
pigmented

## 4 FLOWER CHARACTERS

Flowering habit interrupted  
Size of: Peduncle large  
Sepals large  
Ligules medium  
Staminodes medium

Pigmentation of:  
Peduncle well pigmented  
Sepals non pigmented  
Ligules well pigmented  
Staminodes well pigmented

## 5 FRUIT CHARACTERS

Color (unripe) ridges green  
furrows green

Shape cundeamor  
Size medium  
Rugosity rugose  
Shell thickness medium

## 6 SEED CHARACTERS

Size medium  
Shape flat (rounded)  
Color of cotyledons dark purple

## 7 DISEASES AND PESTS

Reaction to:

Phytophthora palmivora not tested  
Crinipellis perniciosa susceptible  
Monilia roleri susceptible  
Ceratocystis fimbriata tolerant

Virus not tested  
Dieback not tested  
Others

Insects not tested

## 8 GENETIC INFORMATION

Compatibility unknown  
Pod pigmentation homozygous  
Other information

## 9 PURPOSE OF SELECTION

Cultivar yes  
Foundation parent yes  
Other

## 10 DISTRIBUTION AVAILABILITY

asexually

## 11 TECHNICAL DATA

Performance very good  
Propagation easy  
Establishment and response  
to environment good

## 1 IDENTITY

Collection code 53  
Varietal name/number EET-96  
Other designations *Porvenir-10*

## 2 ORIGIN

Place collected/selected *Porvenir farm, Los Rios, Ecuador*

Varietal type *hybrid (Nacional x unknown)*

Type of population: S<sub>0</sub>  
F<sub>1</sub> X  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *elliptic*  
Color of new leaf flush *slightly pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *interrupted*  
Size of: Peduncle *medium*  
Sepals *large*  
Ligules *small*  
Staminodes *small*

Pigmentation of:

Peduncle *well pigmented*  
Sepals *slightly pigmented*  
Ligules *slightly pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *green-reddish*  
furrows *green*  
Shape *angoleta*  
Size *medium*  
Rugosity *rugose*  
Shell thickness *thick*

## 6 SEED CHARACTERS

Size *medium*  
Shape *cylindrical*  
Color of cotyledons *dark purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *not tested*  
*Crinipellis perniciosa* *susceptible*  
*Monilia roleri* *susceptible*  
*Ceratocystis fimbriata* *tolerant*

Virus *not tested*

Dieback *not tested*

Others

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-compatible*  
Pod pigmentation *homozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent *yes*  
Other

## 10 DISTRIBUTION AVAILABILITY

*asexually*

## 11 TECHNICAL DATA

Performance *high yield*  
Propagation *easy*  
Establishment and response to environment *good*

## 1 IDENTITY

Collection code 54  
Varietal name/number EET-103  
Other designations Tenguel-25

## 2 ORIGIN

Place collected/selected Tenguel  
farm, Guayas, Ecuador

Varietal type hybrid (Nacional x  
unknown)

Type of population: S<sub>0</sub>  
F<sub>1</sub> X  
BC

## 3 PLANT CHARACTERS

Habit erect  
Leaf shape/type elliptic  
Color of new leaf flush slightly  
pigmented

## 4 FLOWER CHARACTERS

Flowering habit interrupted  
Size of: Peduncle large  
Sepals medium  
Ligules small  
Staminodes medium

Pigmentation of:

Peduncle slightly pigmented  
Sepals non pigmented  
Ligules slightly pigmented  
Staminodes well pigmented

## 5 FRUIT CHARACTERS

Color (unripe) ridges green  
furrows green

Shape amelonado  
Size medium  
Rugosity rugose  
Shell thickness medium

## 6 SEED CHARACTERS

Size large  
Shape cylindrical  
Color of cotyledons dark purple

## 7 DISEASES AND PESTS

Reaction to:

Phytophthora palmivora not tested  
Crinipellis perniciosa susceptible  
Monilia roleri susceptible  
Ceratocystis fimbriata resistant

Virus not tested  
Dieback not tested  
Others

Insects not tested

## 8 GENETIC INFORMATION

Compatibility  
Pod pigmentation homozygous  
Other information

## 9 PURPOSE OF SELECTION

Cultivar yes  
Foundation parent  
Other

## 10 DISTRIBUTION AVAILABILITY

asexually

## 11 TECHNICAL DATA

Performance high yield  
Propagation easy  
Establishment and response  
to environment good



## 1 IDENTITY

Collection code 55  
Varietal name/number EET-162  
Other designations *Curiquingue-2*

## 2 ORIGIN

Place collected/selected *Curiquingue farm, Los Ríos, Ecuador*  
Varietal type *hybrid (Nacional x unknown)*

Type of population: S<sub>0</sub>  
F<sub>1</sub> X  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *elliptic*  
Color of new leaf flush *slightly pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *interrupted*  
Size of: Peduncle *medium*  
Sepals *medium*  
Ligules *small*  
Staminodes *small*

Pigmentation of:  
Peduncle *slightly pigmented*  
Sepals *slightly pigmented*  
Ligules *slightly pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *green-reddish*  
furrows *green*

Shape *amelonado*  
Size *medium*  
Rugosity *rugose*  
Shell thickness *medium*

## 6 SEED CHARACTERS

Size *medium*  
Shape *ovoid*  
Color of cotyledons *dark purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *not tested*  
*Crinipellis perniciosa* *susceptible*  
*Monilia roleri* *susceptible*  
*Ceratocystis fimbriata* *not tested*

Virus *not tested*  
Dieback *not tested*  
Others

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility  
Pod pigmentation *homozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent *yes*  
Other

## 10 DISTRIBUTION AVAILABILITY

*asexually*

## 11 TECHNICAL DATA

Performance *high yield*  
Propagation *easy*  
Establishment and response to environment *good*

## 1 IDENTITY

Collection code 56  
Varietal name/number EET-238  
Other designations *Isla Bejucal-1*

## 2 ORIGIN

Place collected/selected *Isla Bejucal farm, Los Ríos, Ecuador*

Varietal type *hybrid (Nacional x unknown)*

Type of population: S<sub>0</sub>  
F<sub>1</sub> X  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *elliptic*  
Color of new leaf flush *well pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *interrupted*  
Size of: Peduncle *large*  
Sepals *large*  
Ligules *medium*  
Staminodes *medium*

Pigmentation of:

Peduncle *well pigmented*  
Sepals *slightly pigmented*  
Ligules *slightly pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *green-reddish*  
furrows *green*

Shape *amelonado*  
Size *medium*  
Rugosity *rugose*  
Shell thickness *medium*

## 6 SEED CHARACTERS

Size *medium*  
Shape *cylindrical*  
Color of cotyledons *dark purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *not tested*  
*Crinipellis pernicioso* *susceptible*  
*Monilia roleri* *susceptible*  
*Ceratocystis fimbriata* *not tested*

Virus *not tested*  
Dieback *not tested*  
Others

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility  
Pod pigmentation *homozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent  
Other

## 10 DISTRIBUTION AVAILABILITY

*asexually*

## 11 TECHNICAL DATA

Performance *high yield*  
Propagation *easy*  
Establishment and response to environment *good*

## 1 IDENTITY

Collection code 57  
Varietal name/number EET-332  
Other designations *Silecia-1*

## 2 ORIGIN

Place collected/selected *Silecia, farm, Archidona, Ecuador*

Varietal type *amazon*

Type of population: S<sub>0</sub> X  
F<sub>1</sub>  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type  
Color of new leaf flush *non pigmented*

## 4 FLOWER CHARACTERS

Flowering habit  
Size of: Peduncle *medium*  
Sepals *medium*  
Ligules *small*  
Staminodes *small*

Pigmentation of:  
Peduncle *non pigmented*  
Sepals *non pigmented*  
Ligules *non pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *green*  
furrows *green*

Shape *amelonado-globose*  
Size *medium*  
Rugosity *rugose*  
Shell thickness *thick*

## 6 SEED CHARACTERS

Size *large*  
Shape *cylindrical*  
Color of cotyledons *dark purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *not tested*  
*Crinipellis perniciosa* *tolerant*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *not tested*  
Virus *not tested*  
Dieback *not tested*  
Others

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-incompatible*  
Pod pigmentation *homozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar  
Foundation parent *yes*  
Other

## 10 DISTRIBUTION AVAILABILITY

*asexually*

## 11 TECHNICAL DATA

Performance *poor as clone*  
Propagation *difficult*  
Establishment and response to environment *poor*

## 1 IDENTITY

Collection code 58  
Varietal name/number EET-333  
Other designations Silecia-5

## 2 ORIGIN

Place collected/selected Silecia,  
farm, Archidona, Ecuador

Varietal type: amazon

Type of population: S<sub>0</sub> X  
F<sub>1</sub>  
BC

## 3 PLANT CHARACTERS

Habit erect  
Leaf shape/type elliptic  
Color of new leaf flush non  
pigmented

## 4 FLOWER CHARACTERS

Flowering habit  
Size of: Peduncle medium  
Sepals medium  
Ligules small  
Staminodes small

Pigmentation of:

Peduncle non pigmented  
Sepals non pigmented  
Ligules non pigmented  
Staminodes well pigmented

## 5 FRUIT CHARACTERS

Color (unripe) ridges green  
furrows green

Shape amelonado-globose  
Size large  
Rugosity rugose  
Shell thickness thick

## 6 SEED CHARACTERS

Size large  
Shape cylindrical  
Color of cotyledons dark purple

## 7 DISEASES AND PESTS

Reaction to:

Phytophthora palmivora not tested  
Crinipellis pernicioso tolerant  
Monilia roleri not tested  
Ceratocystis fimbriata not tested

Virus not tested  
Dieback not tested  
Others

Insects not tested

## 8 GENETIC INFORMATION

Compatibility self-incompatible  
Pod pigmentation homozygous  
Other information

## 9 PURPOSE OF SELECTION

Cultivar  
Foundation parent yes  
Other

## 10 DISTRIBUTION AVAILABILITY

asexually

## 11 TECHNICAL DATA

Performance poor as clone  
Propagation difficult  
Establishment and response  
to environment fair

## 1 IDENTITY

Collection code 59  
Varietal name/number EET-374  
Other designations

## 2 ORIGIN

Place collected/selected *Pichilingue Station, Los Ríos, Ecuador*

Varietal type *hybrid (EET-62 x SCA-6)*

Type of population: S<sub>0</sub>  
F<sub>1</sub> X  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *elliptic*  
Color of new leaf flush *well pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *interrupted*  
Size of: Peduncle *medium*  
Sepals *large*  
Ligules *medium*  
Staminodes *large*

Pigmentation of:  
Peduncle *slightly pigmented*  
Sepals *slightly pigmented*  
Ligules *non pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *green-reddish*  
furrows *green*  
Shape *cundeamor*  
Size *large*  
Rugosity *rugose*  
Shell thickness *medium*

## 6 SEED CHARACTERS

Size *medium*  
Shape *cylindrical*  
Color of cotyledons *dark purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *not tested*  
*Crinipellis perniciosa* *tolerant*  
*Monilia roleri* *susceptible*  
*Ceratocystis fimbriata* *not tested*

Virus *not tested*  
Dieback *not tested*  
Others

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-incompatible*  
Pod pigmentation *homozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent  
Other

## 10 DISTRIBUTION AVAILABILITY

*asexually*

## 11 TECHNICAL DATA

Performance *high yield*  
Propagation *easy*  
Establishment and response to environment *good*

## 1 IDENTITY

Collection code 60  
Varietal name/number EET-392  
Other designations

## 2 ORIGIN

Place collected/selected *Pichilingue Station, Los Rios, Ecuador*

Varietal type *hybrid (SIL-1 x SCA-6)*

Type of population: S<sub>0</sub>  
F<sub>1</sub> X  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *elliptic*  
Color of new leaf flush *slightly pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *interrupted*  
Size of: Peduncle *medium*  
Sepals *medium*  
Ligules *small*  
Staminodes *medium*

Pigmentation of:

Peduncle *non pigmented*  
Sepals *non pigmented*  
Ligules *non pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *green*  
furrows *green*  
Shape *amelonado-globose*  
Size *medium*  
Rugosity *rugose*  
Shell thickness *medium*

## 6 SEED CHARACTERS

Size *medium*  
Shape *cylindrical*  
Color of cotyledons *segregant white to purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *not tested*  
*Crinipellis perniciososa* *resistant*  
*Monilia roseri* *not tested*  
*Ceratocystis fimbriata* *not tested*

Virus *not tested*

Dieback *not tested*

Others

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-incompatible*  
Pod pigmentation *homozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent *yes*  
Other

## 10 DISTRIBUTION AVAILABILITY

*asexually*

## 11 TECHNICAL DATA

Performance *high yield*  
Propagation *easy*  
Establishment and response to environment *good*

1 IDENTITY

Collection code 61  
Varietal name/number EET-399  
Other designations

2 ORIGIN

Place collected/selected *Pichilingue Station, Los Ríos, Ecuador*

Varietal type *Amazon*

Type of

population: S<sub>0</sub>

population: F<sub>1</sub> *Silecia-1, open  
pollination*

BC

3 PLANT CHARACTERS

Habit *erect*

Leaf shape/type *elliptic*

Color of new leaf flush *slightly  
pigmented*

4 FLOWER CHARACTERS

Flowering habit *interrupted*

Size of: Peduncle *large*

Sepals *large*

Ligules *small*

Staminodes *medium*

Pigmentation of:

Peduncle *non pigmented*

Sepals *non pigmented*

Ligules *non pigmented*

Staminodes *well pigmented*

5 FRUIT CHARACTERS

Color (unripe) ridges *green*  
furrows *green*

Shape *cundeamor*

Size *large*

Rugosity *rugose*

Shell thickness *medium*

6 SEED CHARACTERS

Size *medium*

Shape *cylindrical*

Color of cotyledons *segregant  
white to purple*

7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *not tested*

*Crinipellis perniciosa* *susceptible*

*Monilia roleri* *susceptible*

*Ceratocystis fimbriata* *resistant*

Virüs *not tested*

Dieback *not tested*

Others

Insects *not tested*

8 GENETIC INFORMATION

Compatibility *self-incompatible*

Pod pigmentation *homozygous*

Other information

9 PURPOSE OF SELECTION

Cultivar *yes*

Foundation parent *yes*

Other

10 DISTRIBUTION AVAILABILITY

*asexually*

11 TECHNICAL DATA

Performance *high yield*

Propagation

Establishment and response

to environment *very good*

## 1 IDENTITY

Collection code 62  
Varietal name/number *EET-400*  
Other designations

## 2 ORIGIN

Place collected/selected *Pichilingue Station, Los Ríos, Ecuador*

Varietal type *Amazon*

Type of

population:  $S_0$

$F_1$  *Silecia-1, open  
pollination*

BC

## 3 PLANT CHARACTERS

Habit *erect*

Leaf shape/type *elliptic*

Color of new leaf flush *slightly  
pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *interrupted*

Size of: Peduncle *large*

Sepals *medium*

Ligules *medium*

Staminodes *small*

Pigmentation of:

Peduncle *slightly pigmented*

Sepals *non pigmented*

Ligules *non pigmented*

Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *green*  
furrows *green*

Shape *amelonado-globose*

Size *medium*

Rugosity *rugose*

Shell thickness *medium*

## 6 SEED CHARACTERS

Size *medium*

Shape *flat*

Color of cotyledons *segregant  
white to purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *not tested*

*Crinipellis pernicioso* *resistant*

*Monilia roleri* *not tested*

*Ceratocystis fimbriata* *resistant*

Virus *not tested*

Dieback *not tested*

Others

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-incompatible*

Pod pigmentation *homozygous*

Other information

## 9 PURPOSE OF SELECTION

Cultivar *yes*

Foundation parent *yes*

Other

## 10 DISTRIBUTION AVAILABILITY

*sexual and asexually*

## 11 TECHNICAL DATA

Performance *very high*

Propagation *easy*

Establishment and response

to environment *very good*



## 1 IDENTITY

Collection code 63  
Varietal name/number T60/887  
Other designations Pa7 x Na32,  
C 42

## 2 ORIGIN

Place collected/selected N1,  
CRIG Tafo, Ghana  
Varietal type Upper Amazon  
Type of population: S<sub>0</sub>  
F<sub>1</sub> X  
BC

## 3 PLANT CHARACTERS

Habit spreading branches  
Leaf shape/type lanceolate  
Color of new leaf flush non  
pigmented

## 4 FLOWER CHARACTERS

Flowering habit continuous with  
peaks  
Size of: Peduncle medium  
Sepals small  
Ligules small  
Staminodes small

### Pigmentation of:

Peduncle non pigmented  
Sepals non pigmented  
Ligules well pigmented  
Staminodes well pigmented

## 5 FRUIT CHARACTERS

Color (unripe) ridges green  
(pale)  
furrows green (pale)  
Shape amelonado  
Size medium  
Rugosity slightly rough  
Shell thickness thin

## 6 SEED CHARACTERS

Size medium  
Shape flat  
Color of cotyledons dark purple

## 7 DISEASES AND PESTS

### Reaction to:

Phytophthora palmivora not tested  
Crinipellis pernicioso not tested  
Monilia roleri not tested  
Ceratocystis fimbriata not tested  
Virus resistant  
Dieback not tested  
Others

Insects not tested

## 8 GENETIC INFORMATION

Compatibility self-incompatible  
S<sub>1</sub> S<sub>4</sub>  
Pod pigmentation homozygous  
Other information

## 9 PURPOSE OF SELECTION

Cultivar yes  
Foundation parent yes  
Other low-growing habit

## 10 DISTRIBUTION AVAILABILITY

asexually

## 11 TECHNICAL DATA

Performance 6 kg/tree (549  
trees/ha)  
Propagation very easy  
Establishment and response  
to environment not tested

## 1 IDENTITY

Collection code 64  
Varietal name/number T79/501  
Other designations Na32 x Pa7,  
C 67

## 2 ORIGIN

Place collected/selected N1  
CRIG Tafo, Ghana  
Varietal type Upper Amazon  
Type of population: S<sub>0</sub>  
F<sub>1</sub> X  
BC

## 3 PLANT CHARACTERS

Habit spreading to erect branches  
Leaf shape/type lanceolate  
Color of new leaf flush non  
pigmented

## 4 FLOWER CHARACTERS

Flowering habit continuous with  
peaks  
Size of: Peduncle medium  
Sepals small  
Ligules small  
Staminodes small

### Pigmentation of:

Peduncle non pigmented  
Sepals non pigmented  
Ligules slightly pigmented  
Staminodes well pigmented

## 5 FRUIT CHARACTERS

Color (unripe) ridges green  
(pale)  
furrows green (pale)  
Shape amelonado  
Size medium  
Rugosity slightly rough  
Shell thickness thin

## 6 SEED CHARACTERS

Size medium  
Shape flat  
Color of cotyledons dark purple

## 7 DISEASES AND PESTS

### Reaction to:

Phytophthora palmivora resistant  
Crinipellis pernicioso not tested  
Monilia roleri not tested  
Ceratocystis fimbriata not tested

Virus resistant  
Dieback not tested  
Others

Insects not tested

## 8 GENETIC INFORMATION

Compatibility self-incompatible  
Pod pigmentation homozygous  
Other information

## 9 PURPOSE OF SELECTION

Cultivar yes  
Foundation parent yes  
Other

## 10 DISTRIBUTION AVAILABILITY

asexually

## 11 TECHNICAL DATA

Performance 8 kg/tree (549  
trees/ha)  
Propagation easy  
Establishment and response  
to environment not tested

## 1 IDENTITY

Collection code 65  
Varietal name/number T79/416  
Other designations Na32 x Pa7,  
C 68

## 2 ORIGIN

Place collected/selected N1  
CRIG Tafo, Ghana  
Varietal type Upper Amazon  
Type of population: S<sub>0</sub>  
F<sub>1</sub> X  
BC

## 3 PLANT CHARACTERS

Habit erect  
Leaf shape/type lanceolate  
Color of new leaf flush non  
pigmented

## 4 FLOWER CHARACTERS

Flowering habit interrupted  
Size of: Peduncle large  
Sepals small  
Ligules medium  
Staminodes medium

Pigmentation of:

Peduncle non pigmented  
Sepals non pigmented  
Ligules slightly pigmented  
Staminodes well pigmented

## 5 FRUIT CHARACTERS

Color (unripe) ridges green  
(pale)  
furrows green (pale)  
Shape amelonado  
Size medium  
Rugosity smooth  
Shell thickness thin

## 6 SEED CHARACTERS

Size small  
Shape flat  
Color of cotyledons dark purple

## 7 DISEASES AND PESTS

Reaction to:

Phytophthora palmivora not tested  
Crinipellis pernicioso not tested  
Monilia roleri not tested  
Ceratocystis fimbriata not tested  
Virus not tested  
Dieback not tested  
Others  
Insects not tested

## 8 GENETIC INFORMATION

Compatibility self-incompatible  
S<sub>4</sub> S<sub>5</sub>  
Pod pigmentation homozygous  
Other information

## 9 PURPOSE OF SELECTION

Cultivar yes  
Foundation parent yes  
Other

## 10 DISTRIBUTION AVAILABILITY

asexually

## 11 TECHNICAL DATA

Performance 4.2 kg/tree (549  
trees/ba)  
Propagation slightly difficult  
Establishment and response  
to environment not tested

## 1 IDENTITY

Collection code 66  
Varietal name/number T79/467  
Other designations Na32 x Pa7,  
C 69

## 2 ORIGIN

Place collected/selected N1  
CRIG Tafo, Ghana

Varietal type Amazon

Type of population: S<sub>0</sub>  
F<sub>1</sub> X  
BC

## 3 PLANT CHARACTERS

Habit erect  
Leaf shape/type lanceolate  
Color of new leaf flush non  
pigmented

## 4 FLOWER CHARACTERS

Flowering habit interrupted  
Size of: Peduncle medium  
Sepals small  
Ligules small  
Staminodes small

Pigmentation of:

Peduncle non pigmented  
Sepals non pigmented  
Ligules slightly pigmented  
Staminodes well pigmented

## 5 FRUIT CHARACTERS

Color (unripe) ridges green  
furrows green  
Shape amelonado  
Size medium  
Rugosity smooth  
Shell thickness thin

## 6 SEED CHARACTERS

Size small  
Shape flat  
Color of cotyledons dark purple

## 7 DISEASES AND PESTS

Reaction to:

Phytophthora palmivora not tested  
Crinipellis perniciosa not tested  
Monilia roleri not tested  
Ceratocystis fimbriata not tested  
Virus tolerant  
Dieback not tested  
Others

Insects not tested

## 8 GENETIC INFORMATION

Compatibility self-incompatible  
S<sub>1</sub> S<sub>2</sub>  
Pod pigmentation homozygous  
Other information

## 9 PURPOSE OF SELECTION

Cultivar yes  
Foundation parent yes  
Other

## 10 DISTRIBUTION AVAILABILITY

asexually

## 11 TECHNICAL DATA

Performance 3.2 kg/tree (549  
trees/ha)  
Propagation easy  
Establishment and response  
to environment not tested

## 1 IDENTITY

Collection code 67  
Varietal name/number T16/613  
Other designations IMC 24,  
Open pollination, C 73

## 2 ORIGIN

Place collected/selected N1  
CRIG Tafo, Ghana  
Varietal type Upper Amazon  
Iquitos  
Type of population: S<sub>0</sub>  
F<sub>1</sub> X  
BC

## 3 PLANT CHARACTERS

Habit erect  
Leaf shape/type lanceolate  
Color of new leaf flush  
pigmented

## 4 FLOWER CHARACTERS

Flowering habit interrupted  
Size of: Peduncle medium  
Sepals medium  
Ligules small  
Staminodes medium

Pigmentation of:  
Peduncle slightly pigmented  
Sepals non to slightly pig-  
mented  
Ligules well pigmented  
Staminodes well pigmented

## 5 FRUIT CHARACTERS

Color (unripe) ridges light green  
furrows light green  
Shape amelonado  
Size large  
Rugosity smooth  
Shell thickness thin

## 6 SEED CHARACTERS

Size medium  
Shape flat  
Color of cotyledons dark purple

## 7 DISEASES AND PESTS

Reaction to:  
Phytophthora palmivora susceptible  
Crinipellis perniciosa not tested  
Monilia roleri not tested  
Ceratocystis fimbriata not tested  
Virus susceptible  
Dieback not tested  
Others  
Insects not tested

## 8 GENETIC INFORMATION

Compatibility self-compatible  
Pod pigmentation homozygous  
Other information

## 9 PURPOSE OF SELECTION

Cultivar yes  
Foundation parent yes  
Other

## 10 DISTRIBUTION AVAILABILITY

asexually

## 11 TECHNICAL DATA

Performance 4.3 kg/tree (549  
trees/ba)  
Propagation very easy  
Establishment and response  
to environment not tested

## 1 IDENTITY

Collection code 68  
Varietal name/number T63/971  
Other designations Pa35 x Na32,  
C 74

## 2 ORIGIN

Place collected/selected N1  
CRIG Tafo, Ghana  
Varietal type Upper Amazon  
Type of population: S<sub>0</sub>  
F<sub>1</sub> X  
BC

## 3 PLANT CHARACTERS

Habit erect  
Leaf shape/type lanceolate  
Color of new leaf flush slightly  
pigmented

## 4 FLOWER CHARACTERS

Flowering habit continuous with  
peaks  
Size of: Peduncle medium  
Sepals small  
Ligules small  
Staminodes medium

### Pigmentation of:

Peduncle non pigmented  
Sepals non pigmented  
Ligules slightly pigmented  
Staminodes well pigmented

## 5 FRUIT CHARACTERS

Color (unripe) ridges green  
(pale to light)  
furrows green (pale to light)  
Shape amelonado  
Size medium  
Rugosity rough  
Shell thickness thin

## 6 SEED CHARACTERS

Size medium  
Shape ovoid  
Color of cotyledons dark purple

## 7 DISEASES AND PESTS

### Reaction to:

Phytophthora palmivora not tested  
Crinipellis perniciosia not tested  
Monilia roleri not tested  
Ceratozostis fimbriata not tested

Virus tolerant  
Dieback not tested  
Others

Insects not tested

## 8 GENETIC INFORMATION

Compatibility self-incompatible  
S<sub>3</sub> S<sub>4</sub>  
Pod pigmentation homozygous  
Other information

## 9 PURPOSE OF SELECTION

Cultivar yes  
Foundation parent yes  
Other

## 10 DISTRIBUTION AVAILABILITY

asexually

## 11 TECHNICAL DATA

Performance 4.1 kg/tree (549  
trees/ha)  
Propagation easy  
Establishment and response  
to environment not tested

## 1 IDENTITY

Collection code 69  
Varietal name/number T63/567  
Other designations Pa35 x Na32,  
C 75

## 2 ORIGIN

Place collected/selected N1  
CRIG Tafo, Ghana

Varietal type Amazon

Type of population: S<sub>0</sub>  
F<sub>1</sub> X  
BC

## 3 PLANT CHARACTERS

Habit weeping  
Leaf shape/type lanceolate  
Color of new leaf flush slightly  
pigmented

## 4 FLOWER CHARACTERS

Flowering habit continuous with  
peaks

Size of: Peduncle large  
Sepals small  
Ligules small  
Staminodes small

Pigmentation of:

Peduncle non pigmented  
Sepals non pigmented  
Ligules well pigmented  
Staminodes well pigmented

## 5 FRUIT CHARACTERS

Color (unripe) ridges light green  
furrows light green  
Shape amelonado  
Size medium  
Rugosity rough  
Shell thickness thin

## 6 SEED CHARACTERS

Size medium  
Shape ovoid  
Color of cotyledons dark purple

## 7 DISEASES AND PESTS

Reaction to:

Phytophthora palmivora not tested  
Crinipellis pernicioso not tested  
Monilia roleri not tested  
Ceratocystis fimbriata not tested

Virus tolerant  
Dieback not tested  
Others

Insects not tested

## 8 GENETIC INFORMATION

Compatibility self-incompatible  
S<sub>2</sub> S<sub>3</sub>

Pod pigmentation homozygous  
Other information

## 9 PURPOSE OF SELECTION

Cultivar yes  
Foundation parent yes  
Other

## 10 DISTRIBUTION AVAILABILITY

asexually

## 11 TECHNICAL DATA

Performance 4.3 kg/tree (549  
trees/ha)

Propagation easy  
Establishment and response  
to environment not tested

## 1 IDENTITY

Collection code 70  
Varietal name/number Y44  
Other designations C 111

## 2 ORIGIN

Place collected/selected *Anyinam, Ghana*

Varietal type *Tritinario*

Type of population: S<sub>0</sub> X

F<sub>1</sub>

BC

## 3 PLANT CHARACTERS

Habit *erect*

Leaf shape/type *lanceolate*

Color of new leaf flush *pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *interrupted*

Size of: Peduncle *large*

Sepals *medium*

Ligules *large*

Staminodes *medium*

Pigmentation of:

Peduncle *non to slightly pigmented*

Sepals *non to slightly pigmented*

Ligules *well pigmented*

Staminodes *slightly to well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *pinkish*  
furrows *pale green to light pink*

Shape *amelonado*

Size *medium*

Rugosity *smooth*

Shell thickness *thin*

## 6 SEED CHARACTERS

Size *medium*

Shape *flat*

Color of cotyledons *pale purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *resistant*

*Crinipellis perniciosa* *not tested*

*Monilia roleri* *not tested*

*Ceratocystis fimbriata* *not tested*

Virus *susceptible*

Dieback *not tested*

Others

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-compatible*

Pod pigmentation *heterozygous*

Other information

## 9 PURPOSE OF SELECTION

Cultivar *yes*

Foundation parent *yes*

Other

## 10 DISTRIBUTION AVAILABILITY

*asexually*

## 11 TECHNICAL DATA

Performance *high yield*

Propagation *not tested*

Establishment and response to environment *not tested*



1 IDENTITY

Collection code 71  
Varietal name/number P30  
Other designations C 109

2 ORIGIN

Place collected/selected KPEVE,  
Ghana

Varietal type W. African ame-  
lonado

Type of population: S<sub>0</sub> X  
F<sub>1</sub>  
BC

3 PLANT CHARACTERS

Habit erect  
Leaf shape/type lanceolate  
Color of new leaf flush well  
pigmented

4 FLOWER CHARACTERS

Flowering habit interrupted  
Size of: Peduncle large  
Sepals medium  
Ligules large  
Staminodes medium

Pigmentation of:

Peduncle well pigmented  
Sepals slightly pigmented  
Ligules well pigmented  
Staminodes well pigmented

5 FRUIT CHARACTERS

Color (unripe) ridges light green  
furrows light green

Shape amelonado  
Size medium  
Rugosity smooth  
Shell thickness thin

6 SEED CHARACTERS

Size medium  
Shape flat  
Color of cotyledons dark purple

7 DISEASES AND PESTS

Reaction to:

Phytophthora palmivora tolerant  
Crinipellis perniciososa not tested  
Monilia roleri not tested  
Ceratocystis fimbriata not tested

Virus susceptible  
Dieback not tested  
Others

Insects not tested

8 GENETIC INFORMATION

Compatibility self-compatible  
Pod pigmentation homozygous  
Other information

9 PURPOSE OF SELECTION

Cultivar yes  
Foundation parent yes  
Other

10 DISTRIBUTION AVAILABILITY

asexually

11 TECHNICAL DATA

Performance not tested  
Propagation not tested  
Establishment and response  
to environment not tested

## 1 IDENTITY

Collection code 72  
Varietal name/number K5  
Others designations C 113

## 2 ORIGIN

Place collected/selected *Kumasi, Ghana*

Varietal type *Trinitario*

Type of population: S<sub>0</sub> X  
F<sub>1</sub>  
BC

## 3 PLANT CHARACTERS

Habit *spreading*  
Leaf shape/type *lanceolate*  
Color of new leaf flush *well pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *interrupted*  
Size of: Peduncle *large*  
Sepals *medium*  
Ligules *large*  
Staminodes *medium*

Pigmentation of:

Peduncle *well pigmented*  
Sepals *well pigmented*  
Ligules *well pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *pinkish*  
furrows *yellowish pink*

Shape *amelonado*

Size *medium*

Rugosity *very rough*

Shell thickness *thin*

## 6 SEED CHARACTERS

Size *medium*  
Shape *flat*  
Color of cotyledons *dark purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *tolerant*  
*Crinipellis pernicioso* *not tested*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *not tested*

Virus *susceptible*

Dieback *not tested*

Others

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-compatible*  
Pod pigmentation *heterozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent  
Other

## 10 DISTRIBUTION AVAILABILITY

*asexually*

## 11 TECHNICAL DATA

Performance *3.6 kg/ha (549 trees/ha)*

Propagation *easy*

Establishment and response to environment *not tested*

- 1 IDENTITY
- Collection code 73  
 Varietal name/number BES 1  
 Other designations IFC 1
- 2 ORIGIN
- Place collected/selected *Abengourou, Ivory Coast*
- Varietal type *Forastero amelonado*
- Type of population: S<sub>0</sub> X  
 F<sub>1</sub>  
 BC
- 3 PLANT CHARACTERS
- Habit *erect*  
 Leaf shape/type *elliptic*  
 Color of new leaf flush *slightly pigmented*
- 4 FLOWER CHARACTERS
- Flowering habit *discontinue Nov-Dec. and May-June*
- Size of: Peduncle *medium*  
 Sepals *small*  
 Ligules *medium*  
 Staminodes *medium*
- Pigmentation of:
- Peduncle *green*  
 Sepals *non pigmented*  
 Ligules *pigmented*  
 Staminodes *slightly pigmented*
- 5 FRUIT CHARACTERS
- Color (unripe) ridges *green*  
 furrows *green*
- Shape *amelonado*  
 Size *small*  
 Rugosity *smooth*  
 Shell thickness *thin*
- 6 SEED CHARACTERS
- Size *medium*  
 Shape *ovoid*  
 Color of cotyledons *dark purple*
- 7 DISEASES AND PESTS
- Reaction to:
- Phytophthora palmivora* *susceptible*  
*Crinipellis pernicioso* *not tested*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *not tested*
- Virus *not tested*  
 Dieback *not tested*  
 Others
- Insects *tolerant*
- 8 GENETIC INFORMATION
- Compatibility *self-compatible*  
 Pod pigmentation *homozygous*  
 Other information
- 9 PURPOSE OF SELECTION
- Cultivar  
 Foundation parent *yes*  
 Other
- 10 DISTRIBUTION AVAILABILITY
- sexually*
- 11 TECHNICAL DATA
- Performance *1.5 to 1.7 kg/tree*  
 Propagation *75 to 80%*  
 Establishment and response to environment *not tested*

## 1 IDENTITY

Collection code 74  
Varietal name/number *BES 2*  
Others designations *IFC 5*

## 2 ORIGIN

Place collected/selected *Abengourou, Ivory Coast*

Varietal type *Forastero amelonado*

Type of population: S<sub>0</sub> X  
F<sub>1</sub>  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *elliptic*  
Color of new leaf flush *non pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *interrupted*

Size of: Peduncle *large*  
Sepals *medium*  
Ligules *medium*  
Staminodes *small*

Pigmentation of:

Peduncle *non pigmented*  
Sepals *non pigmented*  
Ligules *well pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *green*  
furrows *green*

Shape *amelonado*  
Size *medium*  
Rugosity *smooth*  
Shell thickness *thin*

## 6 SEED CHARACTERS

Size *medium*  
Shape *ovoid*  
Color of cotyledons *dark purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *susceptible*  
*Crinipellis pernicioso* *not tested*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *not tested*

Virus *not tested*  
Dieback *not tested*  
Others

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-compatible*  
Pod pigmentation *homozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent *yes*  
Other

## 10 DISTRIBUTION AVAILABILITY

*sexually (hybrid UPA)*

## 11 TECHNICAL DATA

Performance *1.5 to 1.7 kg/tree*  
Propagation *75-80%*  
Establishment and response to environment *not tested*

## 1 IDENTITY

Collection code 75  
Varietal name/number BES 3  
Other designations IFC 25

## 2 ORIGIN

Place collected/selected *Binger-ville, Ivory Coast*

Varietal type *Tritarario (hybrid IFC 8 x UPA 402)*

Type of population: S<sub>0</sub>  
F<sub>1</sub> X  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *elliptic*  
Color of new leaf flush *slightly pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *interrupted*  
Size of: Peduncle *medium*  
Sepals *small*  
Ligules *medium*  
Staminodes *small*

Pigmentation of:

Peduncle *pigmented*  
Sepals *non pigmented*  
Ligules *yellow*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *green*  
furrows *slightly pigmented*

Shape *cundeamor*  
Size *small*  
Rugosity *slightly rugose*  
Shell thickness *thin*

## 6 SEED CHARACTERS

Size *medium*  
Shape *ovoid*  
Color of cotyledons *dark purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *not tested*  
*Crinipellis pernicioso* *not tested*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *not tested*

Virus *not tested*

Dieback *not tested*

Others

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility

Pod pigmentation *heterozygous*

Other information

## 9 PURPOSE OF SELECTION

Cultivar *yes*

Foundation parent *yes*

Other

## 10 DISTRIBUTION AVAILABILITY

*asexually*

## 11 TECHNICAL DATA

Performance *1-2.5 kg/tree*

Propagation *70-80%*

Establishment and response to environment *not tested*

## 1 IDENTITY

Collection code 76  
Varietal name/number *BES 4*  
Other designations *UPA 402,*  
*B3-IFCC*

## 2 ORIGIN

Place collected/selected *Binger-*  
*ville, Ivory Coast*  
Varietal type *Forastero-*  
*Amazónico hybrid*  
*(T87/1329 x T87/1211)*  
Type of population:  $S_0$   
 $F_1$  X  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *elliptic*  
Color of new leaf flush *slightly*  
*pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *interrupted*  
Size of: Peduncle *large*  
Sepals *small*  
Ligules *medium*  
Staminodes *small*  
Pigmentation of:  
Peduncle *non pigmented*  
Sepals *non pigmented*  
Ligules *well pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *green*  
furrows *light green*  
Shape *amelonado*  
Size *small*  
Rugosity *little rugosity*  
Shell thickness *medium*

## 6 SEED CHARACTERS

Size *medium*  
Shape *ovoid*  
Color of cotyledons *dark purple*

## 7 DISEASES AND PESTS

Reaction to:  
*Phytophthora palmivora* *not tested*  
*Crinipellis pernicioso* *not tested*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *not tested*  
Virus *not tested*  
Dieback *not tested*  
Others  
Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-incompatible*  
Pod pigmentation *homozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar  
Foundation parent *yes*  
Other *excellent female*

## 10 DISTRIBUTION AVAILABILITY

*sexually (hybrid)*

## 11 TECHNICAL DATA

Performance *1.7 kg/tree*  
Propagation *60-65%*  
Establishment and response  
to environment *good*

1 IDENTITY

Collection code 77  
Varietal name/number BES 5  
Other designations UPA 404,  
B3-IFCC

2 ORIGIN

Place collected/selected Binger-  
ville, Ivory Coast  
Varietal type Forastero-Upper  
Amazon hybrid  
T87/1329 x T87/1211  
Type of population: S<sub>0</sub>  
F<sub>1</sub> X  
BC

3 PLANT CHARACTERS

Habit erect  
Leaf shape/type elliptic  
Color of new leaf flush non  
pigmented

4 FLOWER CHARACTERS

Flowering habit interrupted  
Size of: Peduncle medium  
Sepals small  
Ligules medium  
Staminodes small  
Pigmentation of:  
Peduncle non pigmented  
Sepals non pigmented  
Ligules well pigmented  
Staminodes well pigmented

5 FRUIT CHARACTERS

Color (unripe) ridges green  
furrows light green  
Shape amelonado  
Size small  
Rugosity slightly rugose  
Shell thickness medium

6 SEED CHARACTERS

Size medium  
Shape ovoid  
Color of cotyledons dark purple

7 DISEASES AND PESTS

Reaction to:

Phytophthora palmivora tolerant  
Crinipellis perniciosa not tested  
Monilia roleri not tested  
Ceratocystis fimbriata not tested

Virus not tested

Dieback not tested

Others

Insects not tested

8 GENETIC INFORMATION

Compatibility self-compatible  
Pod pigmentation homozygous  
Other information

9 PURPOSE OF SELECTION

Cultivar yes  
Foundation parent yes  
Other

10 DISTRIBUTION AVAILABILITY

11 TECHNICAL DATA

Performance good as clone  
Propagation 60-65%  
Establishment and response  
to environment not tested

1 IDENTITY

Collection code 78  
Varietal name/number BES 6  
Other designations UPA 409,  
B3-IFCC

2 ORIGIN

Place collected/selected Binger-  
ville, Ivory Coast  
Varietal type Forastero-Upper  
Amazon hybrid  
T87/1329 x T87/1211  
Type of population: S<sub>0</sub>  
F<sub>1</sub> X  
BC

3 PLANT CHARACTERS

Habit erect  
Leaf shape/type elliptic  
Color of new leaf flush non  
pigmented

4 FLOWER CHARACTERS

Flowering habit interrupted  
Size of: Peduncle medium  
Sepals small  
Ligules medium  
Staminodes small

Pigmentation of:

Peduncle non pigmented  
Sepals non pigmented  
Ligules well pigmented  
Staminodes well pigmented

5 FRUIT CHARACTERS

Color (unripe) ridges green  
furrows green  
Shape cundeamor  
Size small  
Rugosity smooth  
Shell thickness medium

6 SEED CHARACTERS

Size medium  
Shape ovoid  
Color of cotyledons dark purple

7 DISEASES AND PESTS

Reaction to:

Phytophthora palmivora tolerant  
Crinipellis pernicioso not tested  
Monilia roleri not tested  
Ceratocystis fimbriata not tested  
Virus not tested  
Dieback not tested  
Others

Insects not tested

8 GENETIC INFORMATION

Compatibility self-incompatible  
Pod pigmentation homozygous  
Other information

9 PURPOSE OF SELECTION

Cultivar yes  
Foundation parent yes  
Other excellent female

10 DISTRIBUTION AVAILABILITY

sexually (hybrids)

11 TECHNICAL DATA

Performance 1.5 to 1.6 kg/tree  
Propagation 60-65%  
Establishment and response  
to environment good



## 1 IDENTITY

Collection code 79  
Varietal name/number BEST 7  
Other designations B 3/16-1 =  
UPA 608

## 2 ORIGIN

Place collected/selected IFCC  
Bingerville, Ivory Coast  
Varietal type Forastero-Amazonic  
hybrid T79/378 x T72/1433  
Type of population: S<sub>0</sub>  
F<sub>1</sub> X  
BC

## 3 PLANT CHARACTERS

Habit erect  
Leaf shape/type elliptic  
Color of new leaf flush slightly  
pigmented

## 4 FLOWER CHARACTERS

Flowering habit continuous  
Size of: Peduncle large  
Sepals medium  
Ligules —  
Staminodes small

### Pigmentation of:

Peduncle non pigmented  
Sepals non pigmented  
Ligules well pigmented  
Staminodes well pigmented

## 5 FRUIT CHARACTERS

Color (unripe) ridges green  
furrows green  
Shape amelonado  
Size small  
Rugosity smooth  
Shell thickness medium

## 6 SEED CHARACTERS

Size small  
Shape ovoid  
Color of cotyledons dark purple

## 7 DISEASES AND PESTS

### Reaction to:

Phytophthora palmivora tolerant  
Crinipellis perniciosa not tested  
Monilia roleri not tested  
Ceratocystis fimbriata not tested  
Virus not tested  
Dieback not tested  
Others

Insects not tested

## 8 GENETIC INFORMATION

Compatibility self-incompatible  
Pod pigmentation homozygous  
Other information good combin-  
ing ability for yield

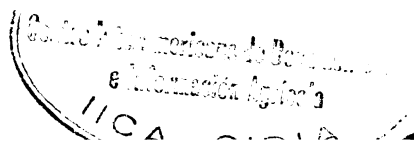
## 9 PURPOSE OF SELECTION

Cultivar  
Foundation parent yes  
Other

## 10 DISTRIBUTION AVAILABILITY

## 11 TECHNICAL DATA

Performance 1.5 to 1.7 kg/tree  
Propagation 60-65%  
Establishment and response  
to environment good



## 1 IDENTITY

Collection code 80  
Varietal name/number *BES 8*  
Other designations *A1-214-9,*  
*T85/1219*

## 2 ORIGIN

Place collected/selected *IFCC-*  
*Divo Ivory Coast*  
Varietal type *Forastero-Amazonic*  
Type of population:  $S_0$  X  
 $F_1$   
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *elliptic*  
Color of new leaf flush *non*  
*pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *interrupted*  
Size of: Peduncle *large*  
Sepals *large*  
Ligules *medium*  
Staminodes *small*

Pigmentation of:

Peduncle *non pigmented*  
Sepals *non pigmented*  
Ligules *well pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *greenish*  
furrows *green*  
Shape *cundeamor*  
Size *medium*  
Rugosity *slightly rugose*  
Shell thickness *medium*

## 6 SEED CHARACTERS

Size *small*  
Shape *ovoid*  
Color of cotyledons *dark purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *resistant*  
*Crinipellis pernicioso* *not tested*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *not tested*

Virus *not tested*

Dieback *not tested*

Others

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility

Pod pigmentation *homozygous*

Other information

## 9 PURPOSE OF SELECTION

Cultivar *yes*

Foundation parent

Other

## 10 DISTRIBUTION AVAILABILITY

## 11 TECHNICAL DATA

Performance *1.1 to 2.4 kg/tree*

Propagation *medium*

Establishment and response  
to environment *not tested*

## 1 IDENTITY

Collection code 81  
Varietal name/number R-10  
Other designations

## 2 ORIGIN

Place collected/selected *La Rioja farm, Tuxtla Chico, México*

Varietal type *hybrid (Criollo x unknown)*

Type of population: S<sub>0</sub>  
F<sub>1</sub> X  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *elliptic*  
Color of new leaf flush *slightly pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *interrupted*

Size of: Peduncle *large*  
Sepals *large*  
Ligules *large*  
Staminodes *large*

Pigmentation of:

Peduncle *well pigmented*  
Sepals *slightly pigmented*  
Ligules *non pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *green*  
furrows *green*

Shape *cundeamor*  
Size *large*  
Rugosity *rugose*  
Shell thickness *medium*

## 6 SEED CHARACTERS

Size *large*  
Shape *cylindrical*  
Color of cotyledons *dark purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *susceptible*  
*Crinipellis pernicioso* *not tested*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *susceptible*

Virus *not tested*  
Dieback *not tested*  
Others

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-compatible*  
Pod pigmentation *homozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent  
Other

## 10 DISTRIBUTION AVAILABILITY

*asexually*

## 11 TECHNICAL DATA

Performance *medium yield*  
Propagation *easy*  
Establishment and response to environment *fair*

- 1 IDENTITY
- Collection code 82  
 Varietal name/number *R-13*  
 Other designations
- 2 ORIGIN
- Place collected/selected *La Rioja farm, Tuxtla Chico, México*
- Varietal type *hybrid (Criollo x unknown)*
- Type of population: S<sub>0</sub>  
 F<sub>1</sub> X  
 BC
- 3 PLANT CHARACTERS
- Habit *erect*  
 Leaf shape/type *elliptic*  
 Color of new leaf flush *slightly pigmented*
- 4 FLOWER CHARACTERS
- Flowering habit *interrupted*
- Size of: Peduncle *large*  
 Sepals *large*  
 Ligules *large*  
 Stamines *large*
- Pigmentation of:
- Peduncle *slightly pigmented*  
 Sepals *slightly pigmented*  
 Ligules *non pigmented*  
 Stamines *well pigmented*
- 5 FRUIT CHARACTERS
- Color (unripe) ridges *green*  
 furrows *green*
- Shape *cundeamor*  
 Size *large*  
 Rugosity *rugose*  
 Shell thickness *medium*
- 6 SEED CHARACTERS
- Size *large*  
 Shape *ovoid*  
 Color of cotyledons *intermediate purple*
- 7 DISEASES AND PESTS
- Reaction to:
- Phytophthora palmivora* *susceptible*  
*Crinipellis perniciosa* *not tested*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *susceptible*
- Virus *not tested*  
 Dieback *not tested*  
 Others
- Insects *not tested*
- 8 GENETIC INFORMATION
- Compatibility  
 Pod pigmentation *homozygous*  
 Other information
- 9 PURPOSE OF SELECTION
- Cultivar *yes*  
 Foundation parent  
 Other
- 10 DISTRIBUTION AVAILABILITY
- sexually*
- 11 TECHNICAL DATA
- Performance *good yield*  
 Propagation *easy*  
 Establishment and response to environment *fair*

## 1 IDENTITY

Collection code 83  
Varietal name/number R-30  
Other designations

## 2 ORIGIN

Place collected/selected *La Rioja farm, Tuxtla Chico, México*

Varietal type *hybrid (Criollo x unknown)*

Type of population: S<sub>0</sub>  
F<sub>1</sub> X  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *elliptic*  
Color of new leaf flush *well pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *interrupted*

Size of: Peduncle *large*  
Sepals *large*  
Ligules *large*  
Staminodes *large*

Pigmentation of:

Peduncle *well pigmented*  
Sepals *slightly pigmented*  
Ligules *non pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *green*  
furrows *green*

Shape *cundeamor*  
Size *large*  
Rugosity *rugose*  
Shell thickness *medium*

## 6 SEED CHARACTERS

Size *large*  
Shape *ovoid*  
Color of cotyledons *white to purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *susceptible*  
*Crinipellis perniciosa* *not tested*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *susceptible*

Virus *not tested*  
Dieback *not tested*  
Others

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility  
Pod pigmentation *homozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent  
Other

## 10 DISTRIBUTION AVAILABILITY

*asexually*

## 11 TECHNICAL DATA

Performance *good yield*  
Propagation *easy*  
Establishment and response to environment *fair*

## 1 IDENTITY

Collection code 84  
Varietal name/number R-48  
Other designations

## 2 ORIGIN

Place collected/selected *La Rioja farm, Tuxtla Chico, México*

Varietal type *hybrid (Criollo x unknown)*

Type of population: S<sub>0</sub>  
F<sub>1</sub> X  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *elliptic*  
Color of new leaf flush *well pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *interrupted*  
Size of: Peduncle *large*  
Sepals *large*  
Ligules *large*  
Staminodes *medium*

Pigmentation of:

Peduncle *slightly pigmented*  
Sepals *well pigmented*  
Ligules *non pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *reddish*  
furrows *reddish-green*

Shape *cundeamor*  
Size *large*  
Rugosity *rugose*  
Shell thickness *medium*

## 6 SEED CHARACTERS

Size *medium*  
Shape *ovoid*  
Color of cotyledons *white to purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *susceptible*  
*Crinipellis perniciosa* *not tested*  
*Monilia roreri* *not tested*  
*Ceratocystis fimbriata* *susceptible*

Virus *not tested*  
Dieback *not tested*  
Others

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility  
Pod pigmentation *heterozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent  
Other

## 10 DISTRIBUTION AVAILABILITY

*asexually*

## 11 TECHNICAL DATA

Performance *good yield*  
Propagation *easy*  
Establishment and response to environment *fair*

## 1 IDENTITY

Collection code 85  
Varietal name/number 003  
Other designations 234-5 AM2  
*Ampamakia Madagascar*

## 2 ORIGIN

Place collected/selected *Sambirano, Madagascar*

Varietal type *Criollo*

Type of population: S<sub>0</sub> X  
F<sub>1</sub>  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *lanceolate (large)*  
Color of new leaf flush *well pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *continuous with peaks*

Size of: Peduncle *large*  
Sepals *large*  
Ligules *large*  
Staminodes *small*

Pigmentation of:

Peduncle *well pigmented*  
Sepals *well pigmented*  
Ligules *slightly pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *pink*  
furrows *green*

Shape *angoleta*  
Size *small*  
Rugosity *rugose*  
Shell thickness *medium*

## 6 SEED CHARACTERS

Size *small*  
Shape *ovoid (flatten)*  
Color of cotyledons *intermediate purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *not tested*  
*Crinipellis perniciosa* *not tested*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *not tested*

Virus *not tested*  
Dieback *not tested*  
Others

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-compatible*  
Pod pigmentation *heterozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent  
Other

## 10 DISTRIBUTION AVAILABILITY

*asexually*

## 11 TECHNICAL DATA

Performance *0.9 kg/tree*  
Propagation *easy 80%*  
Establishment and response to environment *good*

## 1 IDENTITY

Collection code 86  
Varietal name/number 201  
Other designations 684-3 *Mat-saborilava, Madagascar*

## 2 ORIGIN

Place collected/selected *Sambirano, Madagascar*

Varietal type *Tritinario*  
Type of population: S<sub>0</sub> X  
F<sub>1</sub>  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *lanceolate*  
Color of new leaf flush *slightly pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *continuous with peaks*  
Size of: Peduncle *large*  
Sepals *large*  
Ligules *large*  
Staminodes *small*

Pigmentation of:

Peduncle *well pigmented*  
Sepals *well pigmented*  
Ligules *well pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *reddish*  
furrows *green*

Shape *cundeamor*  
Size *medium*  
Rugosity *slightly rugose*  
Shell thickness *medium*

## 6 SEED CHARACTERS

Size *medium*  
Shape *ovoid (large)*  
Color of cotyledons *intermediate purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *not tested*  
*Crinipellis pernicioso* *not tested*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *not tested*

Virus *not tested*  
Dieback *not tested*  
Others

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-compatible*  
Pod pigmentation *heterozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent  
Other

## 10 DISTRIBUTION AVAILABILITY

*sexually and asexually*

## 11 TECHNICAL DATA

Performance *2.1 kg/tree*  
Propagation *easy 90%*  
Establishment and response to environment *good*



## 1 IDENTITY

Collection code 87  
Varietal name/number 203  
Other designations 552-1 *Matsaborilava, Madagascar*

## 2 ORIGIN

Place collected/selected *Sambirano, Madagascar*

Varietal type *Trinitario*  
Type of population: S<sub>0</sub> X  
F<sub>1</sub>  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *lanceolate*  
Color of new leaf flush *well pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *continuous with peaks*

Size of: Peduncle *large*  
Sepals *large*  
Ligules *large*  
Staminodes *small*

### Pigmentation of:

Peduncle *well pigmented*  
Sepals *well pigmented*  
Ligules *slightly pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *reddish*  
furrows *green*

Shape *angoleta*  
Size *medium*  
Rugosity *slightly rugose*  
Shell thickness *medium*

## 6 SEED CHARACTERS

Size *medium*  
Shape *ovoid (large)*  
Color of cotyledons *intermediate purple*

## 7 DISEASES AND PESTS

### Reaction to:

*Phytophthora palmivora* *not tested*  
*Crinipellis pernicioso* *not tested*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *not tested*

Virus *not tested*  
Dieback *not tested*  
Others

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-compatible*  
Pod pigmentation *heterozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent  
Other

## 10 DISTRIBUTION AVAILABILITY

*asexually*

## 11 TECHNICAL DATA

Performance *1.05 kg/tree*  
Propagation *easy, 85-90%*  
Establishment and response to environment *good*

## 1 IDENTITY

Collection code 88  
Varietal name/number 208  
Other designations 19-13-5 *Matsaborilava, Madagascar*

## 2 ORIGIN

Place collected/selected *Sambirano, Madagascar*

Varietal type *Trinitario*

Type of population: S<sub>0</sub> X  
F<sub>1</sub>  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *lanceolate (large)*  
Color of new leaf flush *reddish pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *continuous with peaks*  
Size of: Peduncle *large*  
Sepals *large*  
Ligules *large*  
Staminodes *small*

Pigmentation of:

Peduncle *slightly pigmented*  
Sepals *well pigmented*  
Ligules *slightly pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *reddish*  
furrows *reddish*  
Shape *angoleta to cundeamor*  
Size *medium*  
Rugosity *slightly rugose*  
Shell thickness *medium*

## 6 SEED CHARACTERS

Size *small*  
Shape *ovoid (large)*  
Color of cotyledons *intermediate purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *not tested*  
*Crinipellis pernicioso* *not tested*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *not tested*

Virus *not tested*  
Dieback *not tested*  
Others

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-compatible*  
Pod pigmentation *heterozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent  
Other

## 10 DISTRIBUTION AVAILABILITY

*asexually*

## 11 TECHNICAL DATA

Performance *1.9 kg/tree*  
Propagation *easy 90%*  
Establishment and response to environment *good*

## 1 IDENTITY

Collection code 89  
Varietal name/number 222  
Other designations 57-15-8 *Matsaborilava, Madagascar*

## 2 ORIGIN

Place collected/selected *Sambirano, Madagascar*  
Varietal type *Trinitario*  
Type of population: S<sub>0</sub> X  
F<sub>1</sub>  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *lanceolate*  
Color of new leaf flush *well pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *continuous with peaks*  
Size of: Peduncle *medium*  
Sepals *medium*  
Ligules *large*  
Staminodes *small*

Pigmentation of:

Peduncle *well pigmented*  
Sepals *well pigmented*  
Ligules *slightly pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *reddish*  
furrows *reddish*  
Shape *angoleta*  
Size *medium*  
Rugosity *rugose*  
Shell thickness *medium*

## 6 SEED CHARACTERS

Size *small*  
Shape *Cylindrical-flat*  
Color of cotyledons *dark purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *not tested*  
*Crinipellis pernicioso* *not tested*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *not tested*

Virus *not tested*  
Dieback *not tested*  
Others

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-compatible*  
Pod pigmentation *heterozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent  
Other

## 10 DISTRIBUTION AVAILABILITY

*asexually*

## 11 TECHNICAL DATA

Performance *1.13 kg/tree*  
Propagation *good 80%*  
Establishment and response to environment *good*

1 IDENTITY

Collection code 90  
Varietal name/number 227  
Other designations 235-15 AM2  
*Ampamakia, Madagascar*

2 ORIGIN

Place collected/selected *Sambirano, Madagascar*

Varietal type *Trinitario*  
Type of population: S<sub>0</sub> X  
F<sub>1</sub>  
BC

3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *large lanceolate*  
Color of new leaf flush *well pigmented*

4 FLOWER CHARACTERS

Flowering habit *continuous with peaks*  
Size of: Peduncle *large*  
Sepals *large*  
Ligules *large*  
Staminodes *small*

Pigmentation of:

Peduncle *well pigmented*  
Sepals *well pigmented*  
Ligules *slightly pigmented*  
Staminodes *well pigmented*

5 FRUIT CHARACTERS

Color (unripe) ridges *reddish*  
furrows *reddish*  
Shape *angoleta*  
Size *small*  
Rugosity *rugose*  
Shell thickness *medium*

6 SEED CHARACTERS

Size *small*  
Shape *ovoid*  
Color of cotyledons *dark purple*

7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *not tested*  
*Crinipellis pernicioso* *not tested*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *not tested*

Virus *not tested*  
Dieback *not tested*  
Others

Insects *not tested*

8 GENETIC INFORMATION

Compatibility *self-compatible*  
Pod pigmentation *heterozygous*  
Other information

9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent  
Other

10 DISTRIBUTION AVAILABILITY

*asexually*

11 TECHNICAL DATA

Performance *1.1 kg/tree*  
Propagation *easy 90%*  
Establishment and response to environment *good*

## 1 IDENTITY

Collection code 91  
Varietal name/number *N(T)38*  
or *T(N) 38*  
Other designations *C4 or NCA 1*  
(*CD 176*)<sup>2</sup> x (*CD207*)<sup>2</sup>

## 2 ORIGIN

Place collected/selected (*Fernando Po*) *Nigeria*  
Varietal type *Forastero Lower Amazon hybrid*  
Type of population: S<sub>0</sub> X  
F<sub>1</sub>  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *lanceolate (large)*  
Color of new leaf flush *slightly pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *continuous with 2 peaks*  
Size of: Peduncle *large*  
Sepals *small*  
Ligules *small*  
Staminodes *small*

Pigmentation of:

Peduncle *occasional pale*  
Sepals *occasional pale*  
Ligules *occasional pale*  
Staminodes *occasional pale*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *green*  
furrows *green*  
Shape *amelonado*  
Size *medium*  
Rugosity *smooth*  
Shell thickness *medium*

## 6 SEED CHARACTERS

Size *large*  
Shape *flat (large ovoid)*  
Color of cotyledons *dark purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *susceptible*  
*Crinipellis pernicioso* *not tested*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *not tested*  
Virus *tolerant (low)*  
Dieback *susceptible*  
Others

Insects *attracts Mirides*

## 8 GENETIC INFORMATION

Compatibility *self-compatible*  
Pod pigmentation  
Other information

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent *yes*  
Other

## 10 DISTRIBUTION AVAILABILITY

*sexually and asexually*

## 11 TECHNICAL DATA

Performance *0.85-1.0 kg/tree*  
Propagation *80%*  
Establishment and response to environment *poor in CSSV infested areas*

## 1 IDENTITY

Collection code 92  
Varietal name/number T63/823  
Other designations W4/347

## 2 ORIGIN

Place collected/selected N1  
CRIG (Trinidad) Nigeria

Varietal type Upper Amazon

Type of population: S<sub>0</sub>  
F<sub>1</sub> X  
BC

## 3 PLANT CHARACTERS

Habit erect  
Leaf shape/type lanceolate  
Color of new leaf flush slightly  
pigmented

## 4 FLOWER CHARACTERS

Flowering habit continuous with  
2 peaks

Size of: Peduncle large  
Sepals small  
Ligules small  
Staminodes small

Pigmentation of:

Peduncle slightly pigmented  
Sepals slightly pigmented  
Ligules well pigmented  
Staminodes well pigmented

## 5 FRUIT CHARACTERS

Color (unripe) ridges green  
furrows green

Shape amelonado  
Size medium  
Rugosity rugose  
Shell thickness thin

## 6 SEED CHARACTERS

Size medium  
Shape flat and ovoid  
Color of cotyledons dark purple

## 7 DISEASES AND PESTS

Reaction to:

Phytophthora palmivora slightly sus-  
ceptible

Crinipellis pernicioso not tested

Monilia roleri not tested

Ceratocystis fimbriata not tested

Virus tolerant (slight)

Dieback tolerant (slight)

Others

Insects not tested

## 8 GENETIC INFORMATION

Compatibility self-incompatible

Pod pigmentation homozygous

Other information

## 9 PURPOSE OF SELECTION

Cultivar yes

Foundation parent yes

Other

## 10 DISTRIBUTION AVAILABILITY

asexually and sexually

## 11 TECHNICAL DATA

Performance 1.4 - 1.9 kg/tree

Propagation

Establishment and response  
to environment

## 1 IDENTITY

Collection code 93  
Varietal name/number T79/414  
Other designations W5/556

## 2 ORIGIN

Place collected/selected (1)  
CRIC, Ghana  
(Trinidad) Nigeria  
Varietal type Upper Amazon  
hybrid Na 32 x Pa7  
Type of population: S<sub>0</sub>  
F<sub>1</sub> X  
BC

## 3 PLANT CHARACTERS

Habit erect  
Leaf shape/type lanceolate  
Color of new leaf flush slightly  
pigmented

## 4 FLOWER CHARACTERS

Flowering habit continuous with  
2 peaks  
Size of: Peduncle small  
Sepals small  
Ligules small  
Staminodes small  
Pigmentation of:  
Peduncle slightly pigmented  
Sepals slightly pigmented  
Ligules —  
Staminodes well pigmented

## 5 FRUIT CHARACTERS

Color (unripe) ridges green  
(pale)  
furrows green (pale)  
Shape amelonado  
Size medium  
Rugosity smooth  
Shell thickness thin

## 6 SEED CHARACTERS

Size medium  
Shape flat and ovoid  
Color of cotyledons dark purple

## 7 DISEASES AND PESTS

Reaction to:

Phytophthora palmivora susceptible  
Crinipellis pernicioso not tested  
Monilia roleri not tested  
Ceratocystis fimbriata not tested

Virus not tested  
Dieback not tested  
Others

Insects attractive

## 8 GENETIC INFORMATION

Compatibility self-incompatible  
Pod pigmentation homozygous  
Other information

## 9 PURPOSE OF SELECTION

Cultivar yes  
Foundation parent yes  
Other

## 10 DISTRIBUTION AVAILABILITY

asexually and sexually

## 11 TECHNICAL DATA

Performance good yield  
Propagation less than 60%  
Establishment and response  
to environment fair

## 1 IDENTITY

Collection code 94  
Varietal name/number T79/379  
Other designations W6/718,  
NCA 30

## 2 ORIGIN

Place collected/selected (*Trinidad*) *Nigeria*  
Varietal type *Upper Amazon*  
Type of population: S<sub>0</sub>  
F<sub>1</sub> X  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *lanceolate*  
Color of new leaf flush *slightly pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *continuous with 2 peaks*  
Size of: Peduncle *large*  
Sepals *small*  
Ligules *medium*  
Staminodes *small*

Pigmentation of:

Peduncle *slightly pigmented*  
Sepals *slightly pigmented*  
Ligules *slightly pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *green*  
furrows *green*

Shape *amelonado*  
Size *medium*  
Rugosity *smooth*  
Shell thickness *thin*

## 6 SEED CHARACTERS

Size *medium*  
Shape *ovoid-flat*  
Color of cotyledons *dark purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *tolerant*  
*Crinipellis pernicioso* *not tested*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *not tested*

Virus *susceptible*  
Dieback *susceptible*  
Others

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-incompatible*  
Pod pigmentation  
Other information

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent *yes*  
Other

## 10 DISTRIBUTION AVAILABILITY

*asexually and sexually*

## 11 TECHNICAL DATA

Performance *1.9-2.3 kg/tree*  
Propagation *above 85%*  
Establishment and response to environment



## 1 IDENTITY

Collection code 95  
Varietal name/number ICS-1  
Other designations EET-274

## 2 ORIGIN

Place collected/selected *River  
State, Trinidad*

Varietal type *Trinitario*

Type of population: S<sub>0</sub> X  
F<sub>1</sub>  
BC

## 3 PLANT CHARACTERS

Habit *erect,*  
Leaf shape/type *elliptic*  
Color of new leaf flush *well  
pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *interrupted*  
Size of: Peduncle *medium*  
Sepals *small*  
Ligules *small*  
Staminodes *small*

Pigmentation of:

Peduncle *well pigmented*  
Sepals *slightly pigmented*  
Ligules *non pigmented*  
Staminodes *non pigmented*

## 5 FRUIT CHARACTERS

(Color (unripe) ridges *deep red*  
furrows *deep red*

Shape *amelonado*  
Size *medium*  
Rugosity *slightly rough*  
Shell thickness *medium*

## 6 SEED CHARACTERS

Size *medium*  
Shape *cylindrical*  
Color of cotyledons *pale purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *susceptible*  
*Crinipellis perniciosa* *susceptible*  
*Monilia roleri* *susceptible*  
*Ceratocystis fimbriata* *very suscep-  
tible*

Virus *not tested*

Dieback *not tested*

Others

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-compatible*  
Pod pigmentation *heterozygous*  
Other information *high combin-  
ing ability for yield*

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent *yes*  
Other

## 10 DISTRIBUTION AVAILABILITY

*asexually*

## 11 TECHNICAL DATA

Performance *high yield*  
Propagation *intermediate*  
Establishment and response  
to environment *good*

## 1 IDENTITY

Collection code 96  
Varietal name/number ICS-6  
Other designations EET-275

## 2 ORIGIN

Place collected/selected *River State, Trinidad*

Varietal type *Trinitario*

Type of population: S<sub>0</sub> X  
F<sub>1</sub>  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *lanceolate*  
Color of new leaf flush *slightly pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *interrupted*  
Size of: Peduncle *small*  
Sepals *large*  
Ligules *medium*  
Staminodes *medium*

Pigmentation of:

Peduncle *non pigmented*  
Sepals *slightly pigmented*  
Ligules *slightly pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *green*  
furrows *green*  
Shape *cundeamor*  
Size *medium*  
Rugosity *slightly rough*  
Shell thickness *medium*

## 6 SEED CHARACTERS

Size *large*  
Shape *ovoid*  
Color of cotyledons *pale purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *not tested*  
*Crinipellis pernicioso* *susceptible*  
*Monilia roleri* *susceptible*  
*Ceratocystis fimbriata* *tolerant*

Virus *not tested*

Dieback *not tested*

Others

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-compatible*  
Pod pigmentation *homozygous*  
Other information *good combining ability for yield*

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent *yes*  
Other

## 10 DISTRIBUTION AVAILABILITY

*asexually*

## 11 TECHNICAL DATA

Performance *very good as clone*  
Propagation *difficult*  
Establishment and response to environment *good*

## 1 IDENTITY

Collection code 97  
Varietal name/number ICS-8  
Other designations EET-277

## 2 ORIGIN

Place collected/selected *Phips farm, Trinidad*

Varietal type *Trinitario*

Type of population: S<sub>0</sub> X  
F<sub>1</sub>  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *elliptic*  
Color of new leaf flush *well pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *continuous with peaks*  
Size of: Peduncle *medium*  
Sepals *medium*  
Ligules *small*  
Staminodes *medium*

Pigmentation of:

Peduncle *well pigmented*  
Sepals *slightly pigmented*  
Ligules *slightly pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *green*  
furrows *green*

Shape *amelonado*

Size *medium*

Rugosity *rugose to slightly rugose*

Shell thickness *thin*

## 6 SEED CHARACTERS

Size *large*  
Shape *ovoid and flat*  
Color of cotyledons *pale purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *not tested*  
*Crinipellis pernicioso* *susceptible*  
*Monilia roleri* *susceptible*  
*Ceratocystis fimbriata* *tolerant*

Virus *not tested*

Dieback *not tested*

Others

Insects *tolerant*

## 8 GENETIC INFORMATION

Compatibility *self-compatible*  
Pod pigmentation *homozygous*  
Other information *good general combining ability*

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent  
Other

## 10 DISTRIBUTION AVAILABILITY

*asexually*

## 11 TECHNICAL DATA

Performance *high yield*  
Propagation *easy*  
Establishment and response to environment *good*

## 1 IDENTITY

Collection code 98  
Varietal name/number ICS-16  
Other designations

## 2 ORIGIN

Place collected/selected *Moruga farm, S. Antonio, Trinidad*

Varietal type *Trinitario*

Type of population: S<sub>0</sub> X  
F<sub>1</sub>  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *elliptic*  
Color of new leaf flush *well pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *continuous with peaks*

Size of: Peduncle *medium*  
Sepals *large*  
Ligules *small*  
Staminodes *medium*

Pigmentation of:

Peduncle *well pigmented*  
Sepals *well pigmented*  
Ligules *non pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *reddish*  
furrows *reddish-green*

Shape *amelonado*  
Size *medium*  
Rugosity *slightly rugose*  
Shell thickness *medium*

## 6 SEED CHARACTERS

Size *medium*  
Shape *flat and cylindrical*  
Color of cotyledons *dark purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *not tested*  
*Crinipellis perniciosa* *susceptible*  
*Monilia roleri* *susceptible*  
*Ceratocystis fimbriata* *tolerant*

Virus *not tested*  
Dieback *not tested*  
Others

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-incompatible*  
Pod pigmentation *heterozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent  
Other

## 10 DISTRIBUTION AVAILABILITY

*asexually*

## 11 TECHNICAL DATA

Performance *good yield*  
Propagation *easy*  
Establishment and response to environment *good*

## 1 IDENTITY

Collection code 99  
Varietal name/number ICS-55  
Other designations

## 2 ORIGIN

Place collected/selected *Palmiste farm, S. Fernando, Trinidad*

Varietal type *Trinitario*

Type of population: S<sub>0</sub> X  
F<sub>1</sub>  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *oval*  
Color of new leaf flush *well pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *interrupted with peaks*

Size of: Peduncle *small*  
Sepals *small*  
Ligules *small*  
Staminodes *small*

Pigmentation of:

Peduncle *well pigmented*  
Sepals *well pigmented*  
Ligules *non pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *deep dark red*  
furrows *deep red*

Shape *angoleta*  
Size *small*  
Rugosity *smooth*  
Shell thickness *thin*

## 6 SEED CHARACTERS

Size *small*  
Shape *cylindrical*  
Color of cotyledons *intermediate purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *not tested*  
*Crinipellis perniciosa* *tolerant*  
*Monilia roleri* *susceptible*  
*Ceratocystis fimbriata* *tolerant*

Virus *not tested*  
Dieback *not tested*  
Others

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-compatible*  
Pod pigmentation *homozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent  
Other

## 10 DISTRIBUTION AVAILABILITY

*asexually*

## 11 TECHNICAL DATA

Performance *good yield*  
Propagation *easy*  
Establishment and response to environment *good*

1 IDENTITY

Collection code 100  
Varietal name/number ICS-75  
Other designations

2 ORIGIN

Place collected/selected *Carmen-cita farm, Trinidad*  
Varietal type *Trinitario*  
Type of population: S<sub>0</sub> X  
F<sub>1</sub>  
BC

3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *oval*  
Color of new leaf flush *slightly pigmented*

4 FLOWER CHARACTERS

Flowering habit *interrupted with peaks*  
Size of: Peduncle *small*  
Sepals *medium*  
Ligules *small*  
Staminodes *medium*

Pigmentation of:

Peduncle *well to slightly pigmented*  
Sepals *slightly pigmented*  
Ligules *non pigmented*  
Staminodes *well pigmented*

5 FRUIT CHARACTERS

Color (unripe) ridges *green whitish*  
furrows *green reddish*  
Shape *angoleta*  
Size *medium*  
Rugosity *slightly rugose*  
Shell thickness *thin*

6 SEED CHARACTERS

Size *medium*  
Shape *flat and cylindrical*  
Color of cotyledons *segregant white to purple*

7 DISEASES AND PESTS

Reaction to:  
*Phytophthora palmivora* *not tested*  
*Crinipellis pernicioso* *tolerant*  
*Monilia roleri* *susceptible*  
*Ceratocystis fimbriata* *not tested*  
Virus *not tested*  
Dieback *not tested*  
Others  
Insects *not tested*

8 GENETIC INFORMATION

Compatibility *self-incompatible*  
Pod pigmentation *homozygous*  
Other information

9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent  
Other

10 DISTRIBUTION AVAILABILITY

*asexually*

11 TECHNICAL DATA

Performance *high yield*  
Propagation *intermediate*  
Establishment and response to environment *good*

## 1 IDENTITY

Collection code *101*  
Varietal name/number *ICS-89*  
Other designations *EET-328*

## 2 ORIGIN

Place collected/selected *Adiviananza farm, Trinidad*

Varietal type *Trinitario*

Type of population: S<sub>0</sub> X  
F<sub>1</sub>  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *oval*  
Color of new leaf flush *slightly pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *interrupted with peaks*  
Size of: Peduncle *small*  
Sepals *small*  
Ligules *small*  
Staminodes *small*

Pigmentation of:

Peduncle *well pigmented*  
Sepals *slightly pigmented*  
Ligules *non pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *green*  
furrows *green*  
Shape *cundeamor*  
Size *medium*  
Rugosity *rugose*  
Shell thickness *medium*

## 6 SEED CHARACTERS

Size *small*  
Shape *flat-cylindrical*  
Color of cotyledons *dark purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *susceptible*  
*Crinipellis pernicioso* *susceptible*  
*Monilia roleri* *susceptible*  
*Ceratocystis fimbriata* *susceptible*

Virus *not tested*  
Dieback *not tested*  
Others

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-compatible*  
Pod pigmentation *homozygous*  
Other information *good combining ability for yield*

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent  
Other

## 10 DISTRIBUTION AVAILABILITY

*asexually*

## 11 TECHNICAL DATA

Performance *good yield*  
Propagation *intermediate*  
Establishment and response to environment *good*

## 1 IDENTITY

Collection code 102  
Varietal name/number ICS-95  
Other designations EET-111

## 2 ORIGIN

Place collected/selected *La Reconnaissance farm, Trinidad*

Varietal type *Trinitario*

Type of population: S<sub>0</sub> X  
F<sub>1</sub>  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *elliptic*  
Color of new leaf flush *well pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *interrupted with peaks*

Size of: Peduncle *medium*  
Sepals *medium*  
Ligules *small*  
Staminodes *small*

Pigmentation of:

Peduncle *well pigmented*  
Sepals *slightly pigmented*  
Ligules *non pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *deep red*  
furrows *deep red or reddish*

Shape *cundeamor*  
Size *large*  
Rugosity *rugose*  
Shell thickness *thin*

## 6 SEED CHARACTERS

Size *small*  
Shape *cylindrical*  
Color of cotyledons *intermediate to purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *not tested*  
*Crinipellis pernicioso* *tolerant*  
*Monilia roleri* *susceptible*  
*Ceratocystis fimbriata* *susceptible*

Virus *not tested*  
Dieback *not tested*  
Others

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-compatible*  
Pod pigmentation *heterozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent  
Other

## 10 DISTRIBUTION AVAILABILITY

*asexually*

## 11 TECHNICAL DATA

Performance *high yield*  
Propagation *easy as cutting*  
Establishment and response to environment *good adaptation to various environments*



1 IDENTITY

Collection code 103  
Varietal name/number ICS-98  
Other designations

6 SEED CHARACTERS

Size medium  
Shape cylindrical  
Color of cotyledons dark purple

2 ORIGIN

Place collected/selected Poole farm, Rio Claro, Trinidad

Varietal type Trinitario

Type of population: S<sub>0</sub> X  
F<sub>1</sub>  
BC

7 DISEASES AND PESTS

Reaction to:

Phytophthora palmivora not tested  
Crinipellis pernicioso tolerant  
Monilia roleri susceptible  
Ceratocystis fimbriata tolerant  
Virus not tested  
Dieback not tested  
Others

Insects not tested

3 PLANT CHARACTERS

Habit erect  
Leaf shape/type lanceolate  
Color of new leaf flush well pigmented

4 FLOWER CHARACTERS

Flowering habit interrupted with peaks  
Size of: Peduncle small  
Sepals small  
Ligules small  
Staminodes small

Pigmentation of:

Peduncle well pigmented  
Sepals slightly pigmented  
Ligules non pigmented  
Staminodes well pigmented

8 GENETIC INFORMATION

Compatibility self-incompatible  
Pod pigmentation heterozygous  
Other information progeny with uniform pod size

9 PURPOSE OF SELECTION

Cultivar yes  
Foundation parent  
Other

5 FRUIT CHARACTERS

Color (unripe) ridges deep red  
furrows deep red-greenish

Shape cundeamor

Size medium

Rugosity slightly rugose

Shell thickness medium

10 DISTRIBUTION AVAILABILITY

asexually

11 TECHNICAL DATA

Performance good yield  
Propagation intermediate  
Establishment and response to environment good

1 IDENTITY

Collection code 104  
Varietal name/number ICS-100  
Other designations EET-312

2 ORIGIN

Place collected/selected River State, Trinidad  
Varietal type Criollo (Nicaraguan type)  
Type of population: S<sub>0</sub> X  
F<sub>1</sub>  
BC

3 PLANT CHARACTERS

Habit erect  
Leaf shape/type elliptic  
Color of new leaf flush well pigmented

4 FLOWER CHARACTERS

Flowering habit continuous with peaks  
Size of: Peduncle small  
Sepals medium  
Ligules small  
Staminodes small

Pigmentation of:

Peduncle well pigmented  
Sepals slightly pigmented  
Ligules slightly pigmented  
Staminodes well pigmented

5 FRUIT CHARACTERS

Color (unripe) ridges green  
furrows green  
Shape angoleta  
Size medium  
Rugosity slightly rugose  
Shell thickness medium

6 SEED CHARACTERS

Size medium  
Shape cylindrical  
Color of cotyledons segregant white to purple

7 DISEASES AND PESTS

Reaction to:

Phytophthora palmivora not tested  
Crinipellis pernicioso susceptible  
Monilia roleri susceptible  
Ceratocystis fimbriata tolerant

Virus not tested  
Dieback not tested  
Others

Insects not tested

8 GENETIC INFORMATION

Compatibility self-incompatible  
Pod pigmentation homozygous  
Other information

9 PURPOSE OF SELECTION

Cultivar yes  
Foundation parent  
Other

10 DISTRIBUTION AVAILABILITY

asexually

11 TECHNICAL DATA

Performance good yield  
Propagation easy  
Establishment and response to environment good

## 1 IDENTITY

Collection code *105*  
Varietal name/number *SCA-6*  
Other designations *EET-11*

## 2 ORIGIN

Place collected/selected *Sabina farm, Ecuador*

Varietal type *amazon*

Type of population: S<sub>0</sub> X  
F<sub>1</sub>  
BC

## 3 PLANT CHARACTERS

Habit *weeping*  
Leaf shape/type *elliptic (small)*  
Color of new leaf flush *slightly pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *interrupted with peaks*

Size of: Peduncle *medium*  
Sepals *small*  
Ligules *small*  
Staminodes *small*

Pigmentation of:

Peduncle *non pigmented*  
Sepals *non pigmented*  
Ligules *non pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *green*  
furrows *green*

Shape *amelonado (cylindrical)*  
Size *medium*  
Rugosity *slightly rugose*  
Shell thickness *thin*

## 6 SEED CHARACTERS

Size *small*  
Shape *cylindrical*  
Color of cotyledons *dark purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *resistant*  
*Crinipellis pernicioso* *susceptible*  
*(initially resistant)*  
*Monilia roleri* *susceptible*  
*Ceratocystis fimbriata* *tolerant*

Virus *not tested*

Dieback *tolerant*

Others

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-incompatible*  
Pod pigmentation *homozygous*  
Other information *high combining ability for yield*

## 9 PURPOSE OF SELECTION

Cultivar

Foundation parent *resistant to Crinipellis*

Other

## 10 DISTRIBUTION AVAILABILITY

*asexually*

## 11 TECHNICAL DATA

Performance *good for yield*  
Propagation *intermediate*  
Establishment and response to environment *very good*

## 1 IDENTITY

Collection code 106  
Varietal name/number SCA-12  
Other designations EET-110

## 2 ORIGIN

Place collected/selected *Sabina farm, Ecuador*

Varietal type *amazon*

Type of population: S<sub>0</sub> X  
F<sub>1</sub>  
BC

## 3 PLANT CHARACTERS

Habit *slightly weeping*  
Leaf shape/type *lanceolate*  
Color of new leaf flush *slightly pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *interrupted with peaks*

Size of: Peduncle *medium*  
Sepals *small*  
Ligules *small*  
Staminodes *small*

Pigmentation of:

Peduncle *non pigmented*  
Sepals *non pigmented*  
Ligules *non pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *green*  
furrows *green*

Shape *amelonado (cylindrical)*  
Size *medium*  
Rugosity *slightly rugose*  
Shell thickness *thin*

## 6 SEED CHARACTERS

Size *small*  
Shape *cylindrical*  
Color of cotyledons *dark purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *resistant*  
*Crinipellis perniciosa* *susceptible*  
*Monilia roleri* *susceptible*  
*Ceratocystis fimbriata* *tolerant*

Virus *not tested*  
Dieback *not tested*  
Others

Insects *resistant*

## 8 GENETIC INFORMATION

Compatibility *self-incompatible*  
Pod pigmentation *homozygous*  
Other information *high combining ability for yield*

## 9 PURPOSE OF SELECTION

Cultivar  
Foundation parent *resistant to Crinipellis*  
Other

## 10 DISTRIBUTION AVAILABILITY

*asexually*

## 11 TECHNICAL DATA

Performance *high for yield*  
Propagation *easy*  
Establishment and response to environment *very good*

## 1 IDENTITY

Collection code 107  
Varietal name/number IMC-67  
Other designations EET-116

## 2 ORIGIN

Place collected/selected *Iquitos,  
Peru*

Varietal type *amazon*

Type of population: S<sub>0</sub> X  
F<sub>1</sub>  
BC

## 3 PLANT CHARACTERS

Habit *erect branches*  
Leaf shape/type *elliptic*  
Color of new leaf flush *slightly  
pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *interrupted*  
Size of: Peduncle *medium*  
Sepals *small*  
Ligules *small*  
Staminodes *small*

Pigmentation of:  
Peduncle *well pigmented*  
Sepals *slightly pigmented*  
Ligules *well pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *green*  
furrows *green*  
Shape *angoleta*  
Size *medium*  
Rugosity *slight*  
Shell thickness *thin*

## 6 SEED CHARACTERS

Size *small*  
Shape *cylindrical*  
Color of cotyledons *dark purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *susceptible*  
*Crinipellis pernicioso* *susceptible*  
*Monilia roleri* *susceptible*  
*Ceratocystis fimbriata* *resistant*  
Virus *not tested*  
Dieback *not tested*  
Others *P. megasperma  
susceptible*

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-incompatible*  
Pod pigmentation *homozygous*  
Other information *high combin-  
ing ability for yield*

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent *yes*  
Other

## 10 DISTRIBUTION AVAILABILITY

*asexually*

## 11 TECHNICAL DATA

Performance *high for yield*  
Propagation *easy*  
Establishment and response  
to environment *very good*

- 1 IDENTITY
- Collection code 108  
 Varietal name/number P-7  
 Other designations Pound-7
- 2 ORIGIN
- Place collected/selected *Perú*  
 Varietal type *amazon*  
 Type of population: S<sub>0</sub> X  
 F<sub>1</sub>  
 BC
- 3 PLANT CHARACTERS
- Habit *erect*  
 Leaf shape/type *elliptic*  
 Color of new leaf flush *non pigmented*
- 4 FLOWER CHARACTERS
- Flowering habit *interrupted*  
 Size of: Peduncle *small*  
 Sepals *small*  
 Ligules *small*  
 Staminodes *small*
- Pigmentation of:  
 Peduncle *slight*  
 Sepals *slightly pigmented*  
 Ligules *well pigmented*  
 Staminodes *well pigmented*
- 5 FRUIT CHARACTERS
- Color (unripe) ridges *green*  
 furrows *green*
- Shape *amelonado (ovoid)*  
 Size *medium*  
 Rugosity *slight*  
 Shell thickness *thin*
- 6 SEED CHARACTERS
- Size *medium*  
 Shape *flat to cylindrical*  
 Color of cotyledons *dark purple*
- 7 DISEASES AND PESTS
- Reaction to:  
 Phytophthora palmivora *tolerant*  
 Crinipellis pernicioso *susceptible*  
 Monilia roleri *not tested*  
 Ceratocystis fimbriata *tolerant*
- Virus *not tested*  
 Insects *not tested*  
 Others
- Insects *not tested*
- 8 GENETIC INFORMATION
- Compatibility *self-incompatible*  
 Pod pigmentation *homozygous*  
 Other information *high combining ability for yield*
- 9 PURPOSE OF SELECTION
- Cultivar *yes*  
 Foundation parent *yes*  
 Other
- 10 DISTRIBUTION AVAILABILITY
- asexually*
- 11 TECHNICAL DATA
- Performance *high for yield*  
 Propagation *easy*  
 Establishment and response to environment *good*

## 1 IDENTITY

Collection code 109  
Varietal name/number P-12  
Other designations Pound-12

## 2 ORIGIN

Place collected/selected *Perú*  
Varietal type *amazon*  
Type of population: S<sub>0</sub> X  
F<sub>1</sub>  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *elliptic*  
Color of new leaf flush *slight*

## 4 FLOWER CHARACTERS

Flowering habit *interrupted*  
Size of: Peduncle *small*  
Sepals *small*  
Ligules *small*  
Staminodes *small*

Pigmentation of:

Peduncle *non pigmented*  
Sepals *non pigmented*  
Ligules *slightly pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *green*  
furrows *green*  
Shape *amelonado (cylindrical)*  
Size *small*  
Rugosity *smooth*  
Shell thickness *thin*

## 6 SEED CHARACTERS

Size *small*  
Shape *flat to cylindrical*  
Color of cotyledons *dark purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *susceptible*  
*Crinipellis pernicioso* *susceptible*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *resistant*  
Virus *not tested*  
Dieback *not tested*  
Others  
Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-incompatible*  
Pod pigmentation *homozygous*  
Other information *high combined ability for yield*

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent *yes*  
Other

## 10 DISTRIBUTION AVAILABILITY

*asexually*

## 11 TECHNICAL DATA

Performance *high for yield*  
Propagation *difficult*  
Establishment and response to environment *good*

## 1 IDENTITY

Collection code 110  
Varietal name/number *Oc-61*  
Other designations *SCO-61,*  
*VLA-001*

## 2 ORIGIN

Place collected/selected *Ocumare*  
*de la Costa Sta., Venezuela*  
Varietal type *hybrid (Criollo x*  
*Forastero)*  
Type of population: S<sub>0</sub>  
F<sub>1</sub> X  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *elliptic*  
Color of new leaf flush *slightly*  
*pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *continuous*  
*with peaks*  
Size of: Peduncle *medium*  
Sepals *large*  
Ligules *medium*  
Staminodes *medium*

### Pigmentation of:

Peduncle *slightly pigmented*  
Sepals *slightly pigmented*  
Ligules *well pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *red*  
furrows *red*  
Shape *cuneiform*  
Size *medium*  
Rugosity *medium*  
Shell thickness *medium*

## 6 SEED CHARACTERS

Size *small*  
Shape *cylindrical*  
Color of cotyledons *pale purple*

## 7 DISEASES AND PESTS

### Reaction to:

*Phytophthora palmivora* *susceptible*  
*Crinipellis pernicioso* *tolerant*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *tolerant*  
Virus *not tested*  
Dieback *not tested*  
Others *P. megasperma tolerant*

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-compatible*  
Pod pigmentation *homozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent  
Other

## 10 DISTRIBUTION AVAILABILITY

*asexually*

## 11 TECHNICAL DATA

Performance *1.3 kg/tree*  
Propagation *easy*  
Establishment and response  
to environment *good*



## 1 IDENTITY

Collection code *111*  
Varietal name/number *Oc-73*  
Other designations *SCO-73,*  
*VLA-005*

## 2 ORIGIN

Place collected/selected *Ocu-*  
*mare de la Costa Sta., Venezuela*  
Varietal type *hybrid (Criollo x*  
*Forastero)*  
Type of population:  $S_0$   
 $F_1$  X  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *elliptic*  
Color of new leaf flush *slightly*  
*pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *continuous with*  
*peaks*  
Size of: Peduncle *medium*  
Sepals *small*  
Ligules *small*  
Staminodes *medium*

Pigmentation of:

Peduncle *slightly pigmented*  
Sepals *slightly pigmented*  
Ligules *well pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *red*  
furrows *green*  
Shape *cundeamor*  
Size *medium*  
Rugosity *rugose*  
Shell thickness *thin*

## 6 SEED CHARACTERS

Size *medium*  
Shape *ovoid*  
Color of cotyledons *pale purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *susceptible*  
*Crinipellis pernicioso* *tolerant*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *tolerant*  
Virus *not tested*  
Dieback *not tested*  
Others

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility  
Pod pigmentation *heterozygous*  
Other information *good combin-*  
*ing ability*

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent *yes*  
Other

## 10 DISTRIBUTION AVAILABILITY

*asexually*

## 11 TECHNICAL DATA

Performance *1.0 kg/tree*  
Propagation *easy as cuttings*  
Establishment and response  
to environment *good*

## 1 IDENTITY

Collection code 112  
Varietal name/number *Oc-77*  
Other designations *SCO-77,*  
*VLA-006*

## 2 ORIGIN

Place collected/selected *Ocu-*  
*mare de la Costa Sta., Venezuela*  
Varietal type *hybrid (Criollo x*  
*Forastero)*  
Type of population:  $S_0$   
 $F_1$  X  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *lanceolate*  
Color of new leaf flush *slightly*  
*pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *continuous, with*  
*peaks*  
Size of: Peduncle *medium*  
Sepals *medium*  
Ligules *medium*  
Staminodes *medium*

Pigmentation of:

Peduncle *well pigmented*  
Sepals *well pigmented*  
Ligules *pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *red*  
furrows *red*  
Shape *angoleta*  
Size *large*  
Rugosity *rugose*  
Shell thickness *medium*

## 6 SEED CHARACTERS

Size *large*  
Shape *ovoid*  
Color of cotyledons *pale purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *susceptible*  
*Crinipellis pernicioso* *not tested*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *tolerant*  
Virus *not tested*  
Dieback *not tested*  
Others

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-compatible*  
Pod pigmentation *homozygous*  
Other information *good general*  
*combining ability for yield*

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent *yes*  
Other

## 10 DISTRIBUTION AVAILABILITY

*asexually*

## 11 TECHNICAL DATA

Performance *1.1 kg/tree*  
Propagation *easy*  
Establishment and response  
to environment *very good*

## 1 IDENTITY

Collection code 113  
Varietal name/number *Oc-60*  
Other designations *SCO-60,*  
*VLA-007*

## 2 ORIGIN

Place collected/selected *Ocu-*  
*mare de la Costa Sta., Venezuela*

Varietal type *hybrid (Criollo x*  
*Forastero)*

Type of population:  $S_0$   
 $F_1$  X  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *elliptic*  
Color of new leaf flush *slightly*  
*pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *continuous with*  
*peaks*

Size of: Peduncle *large*  
Sepals *medium*  
Ligules *medium*  
Staminodes *large*

Pigmentation of:

Peduncle *slightly pigmented*  
Sepals *non pigmented*  
Ligules *well pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *red*  
furrows *green*

Shape *cundeamor*  
Size *medium*  
Rugosity *medium*  
Shell thickness *thin*

## 6 SEED CHARACTERS

Size *medium*  
Shape *ovoid*  
Color of cotyledons *pale purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *not tested*  
*Crinipellis perniciosa* *susceptible*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *tolerant*  
Virus *not tested*  
Dieback *not tested*  
Others Galls *susceptible*

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-compatible*  
Pod pigmentation *heterozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent  
Other

## 10 DISTRIBUTION AVAILABILITY

*sexually and asexually*

## 11 TECHNICAL DATA

Performance *1.2 kg/tree*  
Propagation *slightly difficult*  
Establishment and response  
to environment *good*

## 1 IDENTITY

Collection code 114  
Varietal name/number *Cho-24*  
Other designations *SCho-24,*  
*VLA-010*

## 2 ORIGIN

Place collected/selected *Choroni,*  
*Venezuela*  
Varietal type *hybrid (Criollo x*  
*Forastero)*  
Type of population: S<sub>0</sub>  
F<sub>1</sub> X  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *elliptic*  
Color of new leaf flush *slightly*  
*pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *continuous with*  
*peaks*  
Size of: Peduncle *large*  
Sepals *medium*  
Ligules *medium*  
Staminodes *medium*

### Pigmentation of:

Peduncle *non pigmented*  
Sepals *non pigmented*  
Ligules *well pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *red*  
furrows *reddish*  
Shape *cundeamor*  
Size *medium*  
Rugosity *rugose*  
Shell thickness *medium*

## 6 SEED CHARACTERS

Size *large*  
Shape *ovoid*  
Color of cotyledons *white*

## 7 DISEASES AND PESTS

Reaction to:  
*Phytophthora palmivora* *not tested*  
*Crinipellis pernicioso* *susceptible*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *tolerant*  
Virus *not tested*  
Dieback *not tested*  
Others

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-compatible*  
Pod pigmentation *homozygous*  
Other information *selfed prog-*  
*enies are precocious*

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent *yes*  
Other

## 10 DISTRIBUTION AVAILABILITY

*asexually*

## 11 TECHNICAL DATA

Performance *0.8 kg/tree*  
Propagation *easy*  
Establishment and response  
to environment *medium*

## 1 IDENTITY

Collection code 115  
Varietal name/number *Cho-31*  
Other designations *VLA-012*

## 2 ORIGIN

Place collected/selected *Choroni, Venezuela*

Varietal type *hybrid (Criollo x Forastero)*

Type of population: S<sub>0</sub>  
F<sub>1</sub> X  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *elliptic*  
Color of new leaf flush *well pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *continuous with peaks*

Size of: Peduncle *large*  
Sepals *medium*  
Ligules *medium*  
Staminodes *medium*

Pigmentation of:

Peduncle *slightly pigmented*  
Sepals *slightly pigmented*  
Ligules *well pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *red*  
furrows *red*

Shape *cundeamor*  
Size *medium*  
Rugosity *slightly rugose*  
Shell thickness *medium*

## 6 SEED CHARACTERS

Size *medium*  
Shape *ovoid*  
Color of cotyledons *white to pale purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *not tested*  
*Crinipellis pernicioso* *susceptible*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *susceptible*  
Virus *not tested*  
Dieback *not tested*  
Others: Galls *susceptible*

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-compatible*  
Pod pigmentation *homozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent  
Other

## 10 DISTRIBUTION AVAILABILITY

*asexually*

## 11 TECHNICAL DATA

Performance *0.7 kg/tree*  
Propagation *easy*  
Establishment and response to environment *medium*

## 1 IDENTITY

Collection code 116  
Varietal name/number *Cbo-41*  
Other designations *VLA-014*

## 2 ORIGIN

Place collected/selected *Choroní,*  
*Venezuela*

Varietal type *hybrid (Criollo x*  
*Forastero)*

Type of population: S<sub>0</sub>  
F<sub>1</sub> X  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *elliptic*  
Color of new leaf flush *well*  
*pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *continuous with*  
*peaks*

Size of: Peduncle *large*  
Sepals *medium*  
Ligules *medium*  
Staminodes *medium*

Pigmentation of:

Peduncle *non pigmented*  
Sepals *non pigmented*  
Ligules *well pigmented*  
Staminodes *slightly pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *green*  
furrows *green*

Shape *angoleta*  
Size *medium*  
Rugosity *rugose*  
Shell thickness *medium*

## 6 SEED CHARACTERS

Size *large*  
Shape *ovoid*  
Color of cotyledons *pale purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *not tested*  
*Crinipellis perniciosa* *susceptible*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *tolerant*  
Virus *not tested*  
Dieback *not tested*  
Others Galls *susceptible*  
*P. megasperma* *tolerant*

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-compatible*  
Pod pigmentation *homozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent  
Other

## 10 DISTRIBUTION AVAILABILITY

*asexually*

## 11 TECHNICAL DATA

Performance *0.9 kg/tree*  
Propagation *easy*  
Establishment and response  
to environment *medium*

## 1 IDENTITY

Collection code 117  
Varietal name/number *Cho-163*  
Others designations *VLA-018*

## 2 ORIGIN

Place collected/selected *Choroni, Venezuela*

Varietal type *hybrid (Criollo x Forastero)*

Type of population: S<sub>0</sub>  
F<sub>1</sub> X  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *elliptic*  
Color of new leaf flush *slightly pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *continuous with peaks*

Size of: Peduncle *large*  
Sepals *large*  
Ligules *medium*  
Staminodes *medium*

Pigmentation of:  
Peduncle *slightly pigmented*  
Sepals *slightly pigmented*  
Ligules *well pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *red*  
furrows *red*

Shape *cundeamor*  
Size *medium*  
Rugosity *rugose*  
Shell thickness *thin*

## 6 SEED CHARACTERS

Size *medium*  
Shape *ovoid*  
Color of cotyledons *pale purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *not tested*  
*Crinipellis perniciosa* *not tested*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *susceptible*

Virus *not tested*  
Dieback *not tested*  
Others

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-compatible*  
Pod pigmentation *homozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent *yes*  
Other

## 10 DISTRIBUTION AVAILABILITY

*asexually*

## 11 TECHNICAL DATA

Performance *0.9 kg/tree*  
Propagation *slightly difficult*  
Establishment and response to environment *medium*

## 1 IDENTITY

Collection code 118  
Varietal name/number *Chu-2*  
Other designations *Chua-2,*  
*VLA-020*

## 2 ORIGIN

Place collected/selected *Chua-*  
*farm, Venezuela*  
Varietal type *Criollo*  
Type of population: S<sub>0</sub> X  
F<sub>1</sub>  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *elliptic, round*  
*base, caudate apice*  
Color of new leaf flush *non*  
*pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *continuous with*  
*peaks*  
Size of: Peduncle *medium*  
Sepals *medium*  
Ligules *medium*  
Staminodes *medium*

Pigmentation of:

Peduncle *non pigmented*  
Sepals *non pigmented*  
Ligules *slightly pigmented*  
Staminodes *slightly pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *green*  
furrows *green*  
Shape *angoleta*  
Size *medium*  
Rugosity *rugose*  
Shell thickness *thin*

## 6 SEED CHARACTERS

Size *medium*  
Shape *ovoid*  
Color of cotyledons *pale purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *susceptible*  
*Crinipellis perniciosa* *not tested*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *susceptible*  
Virus *not tested*  
Dieback *not tested*  
Others  
Galls *susceptible*  
Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-compatible*  
Pod pigmentation *homozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent *yes*  
Other

## 10 DISTRIBUTION AVAILABILITY

*asexually (limited)*

## 11 TECHNICAL DATA

Performance *0.5 kg/tree*  
Propagation *easy*  
Establishment and response  
to environment *medium*



## 1 IDENTITY

Collection code 119  
Varietal name/number *VLA-101*  
Other designations *PV-1, Porc.*,

## 2 ORIGIN

Place collected/selected *South of Maracaibo Lake, Venezuela*

Varietal type *Criollo-Porcelana*

Type of population: S<sub>0</sub> X  
F<sub>1</sub>  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *oval*  
Color of new leaf flush *slightly pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *interrupted*  
Size of: Peduncle *medium*  
Sepals *medium (narrow)*  
Ligules *small*  
Staminodes *small*

Pigmentation of:

Peduncle *non pigmented*  
Sepals *non pigmented*  
Ligules *well pigmented*  
Staminodes *slightly pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *green*  
furrows *green*

Shape *angoleta*  
Size *medium*  
Rugosity *rugose*  
Shell thickness *thin*

## 6 SEED CHARACTERS

Size *medium (1.0 g)*  
Shape *ovoid*  
Color of cotyledons *white*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *susceptible*  
*Crinipellis pernicioso* *not tested*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *susceptible*

Virus *not tested*  
Dieback *not tested*  
Others

Insects *susceptible*

## 8 GENETIC INFORMATION

Compatibility *self-compatible*  
Pod pigmentation *homozygous*  
Other information *pubescent flushes*

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent *yes*  
Other

## 10 DISTRIBUTION AVAILABILITY

*asexually (limited)*

## 11 TECHNICAL DATA

Performance *0.9 kg/tree*  
Propagation *difficult*  
Establishment and response to environment *poor adaptability*

## 1 IDENTITY

Collection code 120  
Varietal name/number *VLA-102*  
Other designations *PV-2*

## 2 ORIGIN

Place collected/selected *Cacao*  
*Station South Maracaibo*  
*Lake, Venezuela*

Varietal type *Criollo-Porcelana*

Type of population: S<sub>0</sub> X  
F<sub>1</sub>  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *oval*  
Color of new leaf flush *slightly*  
*pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *interrupted*  
Size of: Peduncle *medium*  
Sepals *medium*  
Ligules *medium*  
Staminodes *slightly*  
*pigmented*

Pigmentation of:

Peduncle *slightly pigmented*  
Sepals *slightly pigmented*  
Ligules *well pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *red*  
furrows *red*  
Shape *amelonado*  
Size *small*  
Rugosity *smooth*  
Shell thickness *medium*

## 6 SEED CHARACTERS

Size *medium*  
Shape *ovoid*  
Color of cotyledons *white*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *susceptible*  
*Crinipellis pernicioso* *not tested*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *susceptible*  
Virus *not tested*  
Dieback *not tested*  
Others

Insects *susceptible to Conopia*

## 8 GENETIC INFORMATION

Compatibility *self-compatible*  
Pod pigmentation *homozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent  
Other

## 10 DISTRIBUTION AVAILABILITY

*asexually (limited)*

## 11 TECHNICAL DATA

Performance *0.7 kg/tree*  
Propagation *difficult*  
Establishment and response  
to environment *poor*

## 1 IDENTITY

Collection code 121  
Varietal name/number *VLA-117*  
Other designations *PV-17*

## 2 ORIGIN

Place collected/selected *South of Lake Maracaibo, Venezuela*

Varietal type *Criollo-Porcelana*

Type of population: S<sub>0</sub> X  
F<sub>1</sub>  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *elliptic*  
Color of new leaf flush *non pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *interrupted*  
Size of: Peduncle *large*  
Sepals *medium*  
Ligules *large*  
Staminodes *large*

Pigmentation of:

Peduncle *non pigmented*  
Sepals *non pigmented*  
Ligules *pigmented*  
Staminodes *pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *green*  
furrows *green*

Shape *angoleta*  
Size *small*  
Rugosity *smooth*  
Shell thickness *medium*

## 6 SEED CHARACTERS

Size *small*  
Shape *ovoid*  
Color of cotyledons *white*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *susceptible*  
*Crinipellis pernicioso* *not tested*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *susceptible*  
Virus *not tested*  
Dieback *not tested*  
Others

Insects *susceptible to Conoia*

## 8 GENETIC INFORMATION

Compatibility *self-compatible*  
Pod pigmentation *homozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent  
Other

## 10 DISTRIBUTION AVAILABILITY

*asexually (limited)*

## 11 TECHNICAL DATA

Performance *1.1 kg/tree*  
Propagation *difficult*  
Establishment and response to environment *poor*

## 1 IDENTITY

Collection code 122  
Varietal name/number VLA-501  
Other designations SC-10

## 2 ORIGIN

Place collected/selected Sta. Cruz  
farm, Edo. Miranda, Venezuela

Varietal type amazon

Type of population: S<sub>0</sub> X  
F<sub>1</sub>  
BC

## 3 PLANT CHARACTERS

Habit erect  
Leaf shape/type elliptic  
Color of new leaf flush slightly  
pigmented

## 4 FLOWER CHARACTERS

Flowering habit continuous  
Size of: Peduncle medium  
Sepals medium  
Ligules medium  
Staminodes medium

Pigmentation of:

Peduncle well pigmented  
Sepals non pigmented  
Ligules well pigmented  
Staminodes well pigmented

## 5 FRUIT CHARACTERS

Color (unripe) ridges green  
furrows green

Shape amelonado  
Size large  
Rugosity smooth  
Shell thickness medium

## 6 SEED CHARACTERS

Size large  
Shape flat  
Color of cotyledons dark purple

## 7 DISEASES AND PESTS

Reaction to:

Phytophthora palmivora susceptible  
Crinipellis perniciosa tolerant  
Monilia roleri not tested  
Ceratocystis fimbriata susceptible  
Virus not tested  
Dieback not tested  
Others  
P. megasperma resistant  
P. parasitica resistant  
Insects not tested

## 8 GENETIC INFORMATION

Compatibility self-compatible  
Pod pigmentation homozygous  
Other information

## 9 PURPOSE OF SELECTION

Cultivar yes  
Foundation parent yes  
Other

## 10 DISTRIBUTION AVAILABILITY

asexually

## 11 TECHNICAL DATA

Performance 1.3 kg/tree  
Propagation easy  
Establishment and response  
to environment good

## 1 IDENTITY

Collection code 123  
Varietal name/number *VLA-504*  
Other designations *SC-9*

## 2 ORIGIN

Place collected/selected *Barlovento, Venezuela*

Varietal type *amazon*

Type of population: S<sub>0</sub> X  
F<sub>1</sub>  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *elliptic*  
Color of new leaf flush *slightly pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *continuous with peaks*

Size of: Peduncle *large*  
Sepals *large (narrow)*  
Ligules *medium*  
Staminodes *large*

Pigmentation of:

Peduncle *slightly pigmented*  
Sepals *slightly pigmented*  
Ligules *pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *green*  
furrows *green*

Shape *cundeamor*  
Size *medium*  
Rugosity *slightly rugose*  
Shell thickness *thin*

## 6 SEED CHARACTERS

Size *large*  
Shape *flat*  
Color of cotyledons *dark purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *susceptible*  
*Crinipellis pernicioso* *not tested*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *tolerant*  
Virus *not tested*  
Dieback *not tested*  
Others  
Galls *susceptible*  
Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-compatible*  
Pod pigmentation *homozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent *yes*  
Other

## 10 DISTRIBUTION AVAILABILITY

*asexually*

## 11 TECHNICAL DATA

Performance *1.1 kg/tree*  
Propagation *easy*  
Establishment and response to environment *good*

1 IDENTITY

Collection code 124  
Varietal name/number *Pqto-87*  
Other designations *VLA-508*

6 SEED CHARACTERS

Size *medium*  
Shape *flat*  
Color of cotyledons *pale purple*

2 ORIGIN

Place collected/selected *Barlo-  
vento, Venezuela*

Varietal type *amazon*

Type of population: S<sub>0</sub> X  
F<sub>1</sub>  
BC

7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *susceptible*  
*Crinipellis perniciosa* *susceptible*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *resistant*

Virus *not tested*  
Dieback *not tested*  
Others

Insects *not tested*

3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *elliptic*  
Color of new leaf flush *well  
pigmented*

4 FLOWER CHARACTERS

Flowering habit *continuous with  
peaks*

Size of: Peduncle *medium*  
Sepals *small*  
Ligules *medium*  
Staminodes *medium*

Pigmentation of:

Peduncle *well pigmented*  
Sepals *slightly pigmented*  
Ligules *well pigmented*  
Staminodes *well pigmented*

8 GENETIC INFORMATION

Compatibility *self-compatible*  
Pod pigmentation *homozygous*  
Other information

9 PURPOSE OF SELECTION

Cultivar  
Foundation parent *yes*  
Other

5 FRUIT CHARACTERS

Color (unripe) ridges *red*  
furrows *red*

Shape *angoleta*  
Size *small*  
Rugosity *slightly rugose*  
Shell thickness *thin*

10 DISTRIBUTION AVAILABILITY

*asexually*

11 TECHNICAL DATA

Performance *0.6 kg/tree*  
Propagation *easy*  
Establishment and response  
to environment *good*

## 1 IDENTITY

Collection code 125  
Varietal name/number *Cui-32*  
Other designations *Cuira-32,*  
*VLA-509*

## 2 ORIGIN

Place collected/selected *Cuira,*  
*Barlovento, Venezuela*

Varietal type *amazon*

Type of population: S<sub>0</sub> X  
F<sub>1</sub>  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *oval*  
Color of new leaf flush

## 4 FLOWER CHARACTERS

Flowering habit *continuous with*  
*peaks*

Size of: Peduncle *medium*  
Sepals *medium*  
Ligules *medium*  
Staminodes *medium*

Pigmentation of:

Peduncle *slightly pigmented*  
Sepals *slightly pigmented*  
Ligules *pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *red*  
furrows *red*

Shape *angoleta*  
Size *large*  
Rugosity *slightly rugose*  
Shell thickness *medium*

## 6 SEED CHARACTERS

Size *large*  
Shape *ovoid*  
Color of cotyledons *dark purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *susceptible*  
*Crinipellis pernicioso* *resistant*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *susceptible*  
Virus *not tested*  
Dieback *not tested*  
Others  
Galls *susceptible*  
Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-compatible*  
Pod pigmentation *homozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent *yes*  
Other

## 10 DISTRIBUTION AVAILABILITY

*asexually (limited)*

## 11 TECHNICAL DATA

Performance *1.1 kg/tree*  
Propagation *easy*  
Establishment and response  
to environment *good*

## 1 IDENTITY

Collection code 126  
Varietal name/number *Cui-38*  
Other designations *Cuira-38,*  
*VLA-511*

## 2 ORIGIN

Place collected/selected *Barlo-*  
*vento, Venezuela*

Varietal type *amazon*

Type of population: S<sub>0</sub> X  
F<sub>1</sub>  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *elliptic*  
Color of new leaf flush *slightly*  
*pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *continuous with*  
*peaks*

Size of: Peduncle *medium*  
Sepals *medium*  
Ligules *small*  
Staminodes *medium*

Pigmentation of:

Peduncle *pigmented*  
Sepals *non pigmented*  
Ligules *pigmented*  
Staminodes *pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *green*  
furrows *green*

Shape *angoleta*  
Size *large*  
Rugosity *slightly rugose*  
Shell thickness — —

## 6 SEED CHARACTERS

Size *medium*  
Shape  
Color of cotyledons

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *not tested*  
*Crinipellis pernicioso* *resistant*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *not tested*

Virus *not tested*  
Dieback *not tested*

Others

Galls *resistant*

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility  
Pod pigmentation *homozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent *yes*  
Other

## 10 DISTRIBUTION AVAILABILITY

*asexually*

## 11 TECHNICAL DATA

Performance *0.9 kg/tree*  
Propagation  
Establishment and response  
to environment *good*



## 1 IDENTITY

Collection code 127  
Varietal name/number CBO-159  
Other designations *Cumbo-159,*  
*VLA-512*

## 2 ORIGIN

Place collected/selected *Cumbo*  
*farm, Barlovento, Venezuela*  
Varietal type *amazon*  
Type of population: S<sub>0</sub> X  
F<sub>1</sub>  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *elliptic*  
Color of new leaf flush *slightly*  
*pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *continuous*  
*with peaks*  
Size of: Peduncle *medium*  
Sepals *medium*  
Ligules *medium*  
Staminodes *medium*

### Pigmentation of:

Peduncle *well pigmented*  
Sepals *slightly pigmented*  
Ligules *pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *red*  
furrows *reddish*  
Shape *angoleta*  
Size *medium*  
Rugosity *slightly rugose*  
Shell thickness

## 6 SEED CHARACTERS

Size *medium*  
Shape *flat*  
Color of cotyledons *dark purple*

## 7 DISEASES AND PESTS

Reaction to:  
*Phytophthora palmivora* *susceptible*  
*Crinipellis pernicioso* *resistant*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *susceptible*  
Virus *not tested*  
Dieback *not tested*  
Others  
Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility  
Pod pigmentation *heterozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent  
Other

## 10 DISTRIBUTION AVAILABILITY

*asexually*

## 11 TECHNICAL DATA

Performance *1.0 kg/tree*  
Propagation *easy*  
Establishment and response  
to environment *good*

## 1 IDENTITY

Collection code 128  
Varietal name/number CBO-176  
Other designations *Cumbo-176,*  
*VLA-514*

## 2 ORIGIN

Place collected/selected *Cumbo*  
*farm, Barlovento, Venezuela*

Varietal type *amazon*

Type of population: S<sub>0</sub> X  
F<sub>1</sub>  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *elliptic*  
Color of new leaf flush  
*pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *continuous with*  
*peaks*

Size of: Peduncle *large*  
Sepals *large*  
Ligules *large*  
Staminodes *large*

Pigmentation of:

Peduncle *well pigmented*  
Sepals *slightly pigmented*  
Ligules *pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *red*  
furrows *green*

Shape *angoleta*  
Size *medium*  
Rugosity *rugose*  
Shell thickness *medium*

## 6 SEED CHARACTERS

Size *medium*  
Shape *ovoid*  
Color of cotyledons *pale purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *not tested*  
*Crinipellis pernicioso* *resistant*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *tolerant*  
Virus *not tested*  
Dieback *not tested*  
Others  
Galls *susceptible*  
Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-compatible*  
Pod pigmentation *homozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar *yes*  
Foundation parent *yes*  
Other

## 10 DISTRIBUTION AVAILABILITY

*asexually*

## 11 TECHNICAL DATA

Performance *1.1 kg/tree*  
Propagation *easy*  
Establishment and response  
to environment *very good*

## 1 IDENTITY

Collection code 129  
Varietal name/number LM-169  
Other designations *La Mariquita-169, VLA-519*

## 2 ORIGIN

Place collected/selected *Barlovento, Venezuela*

Varietal type *amazon*

Type of population: S<sub>0</sub> X  
F<sub>1</sub>  
BC

## 3 PLANT CHARACTERS

Habit *erect*

Leaf shape/type *oval*

Color of new leaf flush *non pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *continuous with peaks*

Size of: Peduncle *medium*

Sepals *medium*

Ligules *medium*

Staminodes *medium*

Pigmentation of:

Peduncle *slightly pigmented*

Sepals *non pigmented*

Ligules *pigmented*

Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *reddish*  
furrows *reddish*

Shape *cundeamor*

Size *large*

Rugosity *slightly rugose*

Shell thickness *medium*

## 6 SEED CHARACTERS

Size *medium*

Shape *ovoid*

Color of cotyledons *pale purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *not tested*

*Crinipellis pernicioso* *resistant*

*Monilia roleri* *not tested*

*Ceratocystis fimbriata* *tolerant*

Virus *not tested*

Dieback *not tested*

Others

Galls *resistant*

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-compatible*

Pod pigmentation *homozygous*

Other information

## 9 PURPOSE OF SELECTION

Cultivar *yes*

Foundation parent *yes*

Other

## 10 DISTRIBUTION AVAILABILITY

*asexually (limited)*

## 11 TECHNICAL DATA

Performance *0.8 kg/tree*

Propagation *easy*

Establishment and response to environment *good*

1 IDENTITY

Collection code 130  
Varietal name/number CLP-170  
Other designations Caño La  
Palma-170, VLA-521

2 ORIGIN

Place collected/selected El Clavo  
farm, Barlovento, Venezuela

Varietal type amazon

Type of population: S<sub>0</sub> X  
F<sub>1</sub>  
BC

3 PLANT CHARACTERS

Habit erect  
Leaf shape/type oval  
Color of new leaf flush slightly  
pigmented

4 FLOWER CHARACTERS

Flowering habit continuous with  
peaks

Size of: Peduncle large  
Sepals medium  
Ligules medium  
Staminodes medium

Pigmentation of:  
Peduncle slightly pigmented  
Sepals non pigmented  
Ligules pigmented  
Staminodes well pigmented

5 FRUIT CHARACTERS

Color (unripe) ridges green  
furrows green

Shape angoleta  
Size medium  
Rugosity slightly rugose  
Shell thickness medium

6 SEED CHARACTERS

Size medium  
Shape ovoid  
Color of cotyledons pale purple

7 DISEASES AND PESTS

Reaction to:  
Phytophthora palmivora not tested  
Crinipellis pernicioso resistant  
Monilia roleri not tested  
Ceratocystis fimbriata susceptible  
Virus not tested  
Dieback not tested  
Others  
Galls susceptible  
Insects not tested

8 GENETIC INFORMATION

Compatibility self-compatible  
Pod pigmentation homozygous  
Other information

9 PURPOSE OF SELECTION

Cultivar yes  
Foundation parent yes  
Other

10 DISTRIBUTION AVAILABILITY

asexually

11 TECHNICAL DATA

Performance 0.9 kg/tree  
Propagation easy  
Establishment and response  
to environment good

## 1 IDENTITY

Collection code 131  
Varietal name/number VLA-551  
Other designations PA-1

## 2 ORIGIN

Place collected/selected Playa  
Alta farm, Orinoco, Venezuela  
Varietal type hybrid (Criollo x  
Amazon)

Type of population: S<sub>0</sub>  
F<sub>1</sub> X  
BC

## 3 PLANT CHARACTERS

Habit erect  
Leaf shape/type elliptic  
Color of new leaf flush non  
pigmented

## 4 FLOWER CHARACTERS

Flowering habit continuous with  
peaks

Size of: Peduncle large  
Sepals large  
Ligules medium  
Staminodes large

Pigmentation of:

Peduncle non pigmented  
Sepals non pigmented  
Ligules pigmented  
Staminodes well pigmented

## 5 FRUIT CHARACTERS

Color (unripe) ridges green  
furrows green

Shape cundeamor  
Size medium  
Rugosity slightly rugose  
Shell thickness medium

## 6 SEED CHARACTERS

Size medium  
Shape cylindrical  
Color of cotyledons segregant  
purple to white

## 7 DISEASES AND PESTS

Reaction to:

Phytophthora palmivora not tested  
Crinipellis pernicioso resistant  
Monilia roleri not tested  
Ceratocystis fimbriata tolerant

Virus not tested  
Dieback not tested  
Others

Insects not tested

## 8 GENETIC INFORMATION

Compatibility self-compatible  
Pod pigmentation homozygous  
Other information

## 9 PURPOSE OF SELECTION

Cultivar  
Foundation parent yes  
Other

## 10 DISTRIBUTION AVAILABILITY

asexually (limited)

## 11 TECHNICAL DATA

Performance 0.7 kg/tree  
Propagation easy  
Establishment and response  
to environment good

## 1 IDENTITY

Collection code 132  
Varietal name/number *VLA-552*  
Other designations *Playa Alta-2*

## 2 ORIGIN

Place collected/selected *Playa  
Alta farm, Orinoco, Venezuela*

Varietal type *hybrid (unknown)*

Type of population: S<sub>0</sub>  
F<sub>1</sub> X  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *elliptic*  
Color of new leaf flush *non  
pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *continuous*  
Size of: Peduncle *medium*  
Sepals *large*  
Ligules *medium*  
Staminodes *large*

Pigmentation of:

Peduncle *non pigmented*  
Sepals *non pigmented*  
Ligules *pigmented*  
Staminodes *well pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *green*  
furrows *green*

Shape *cuneiform*  
Size *medium*  
Rugosity *slightly rugose*  
Shell thickness *thin*

## 6 SEED CHARACTERS

Size *large*  
Shape *ovoid*  
Color of cotyledons *pale purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *not tested*  
*Crinipellis perniciosa* *resistant*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *tolerant*  
Virus *not tested*  
Dieback *not tested*  
Others

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-compatible*  
Pod pigmentation *homozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar  
Foundation parent *yes*  
Other

## 10 DISTRIBUTION AVAILABILITY

*asexually (limited)*

## 11 TECHNICAL DATA

Performance *0.7 kg/tree*  
Propagation *easy*  
Establishment and response  
to environment *good*

## 1 IDENTITY

Collection code 133  
Varietal name/number *VLA-554*  
Other designations *Playa Alta-4,*  
*PA-4*

## 2 ORIGIN

Place collected/selected *Playa*  
*Alta farm, Orinoco, Venezuela*

Varietal type *hybrid (unknown)*

Type of population: S<sub>0</sub>  
F<sub>1</sub> X  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *lanceolate*  
Color of new leaf flush *non*  
*pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *continuous*  
Size of: Peduncle *large*  
Sepals *large*  
Ligules *medium*  
Staminodes *large*

Pigmentation of:

Peduncle *non pigmented*  
Sepals *non pigmented*  
Ligules *pigmented*  
Staminodes *pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *green*  
furrows *green*

Shape *cundeamor*  
Size *medium*  
Rugosity *slightly rugose*  
Shell thickness *thin*

## 6 SEED CHARACTERS

Size *large*  
Shape *ovoid*  
Color of cotyledons *intermediate*  
*purple*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *not tested*  
*Crinipellis pernicioso* *resistant*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *not tested*  
Virus *not tested*  
Dieback *not tested*  
Others

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-compatible*  
Pod pigmentation *homozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar  
Foundation parent *yes*  
Other

## 10 DISTRIBUTION AVAILABILITY

*asexually (limited)*

## 11 TECHNICAL DATA

Performance *0.8 kg/tree*  
Propagation *easy*  
Establishment and response  
to environment *good*

## 1 IDENTITY

Collection code *134*  
Varietal name/number *VLA-555*  
Other designations *Playa Alta-5,*  
*PA-5*

## 2 ORIGIN

Place collected/selected *Playa*  
*Alta farm, Orinoco, Venezuela*

Varietal type *hybrid*

Type of population:  $S_0$   
 $F_1$  X  
BC

## 3 PLANT CHARACTERS

Habit *erect*  
Leaf shape/type *oval*  
Color of new leaf flush *non*  
*pigmented*

## 4 FLOWER CHARACTERS

Flowering habit *continuous*  
Size of: Peduncle *medium*  
Sepals *medium*  
Ligules *medium*  
Staminodes *medium*

Pigmentation of:

Peduncle *non pigmented*  
Sepals *non pigmented*  
Ligules *slightly pigmented*  
Staminodes *slightly pigmented*

## 5 FRUIT CHARACTERS

Color (unripe) ridges *green*  
furrows *green*

\* Shape *cundeamor*  
Size *large*  
Rugosity *slightly rugose*  
Shell thickness *thin*

## 6 SEED CHARACTERS

Size *large*  
Shape *ovoid*  
Color of cotyledons *white*

## 7 DISEASES AND PESTS

Reaction to:

*Phytophthora palmivora* *not tested*  
*Crinipellis perniciosa* *resistant*  
*Monilia roleri* *not tested*  
*Ceratocystis fimbriata* *tolerant*  
Virus *not tested*  
Dieback *not tested*  
Others

Insects *not tested*

## 8 GENETIC INFORMATION

Compatibility *self-compatible*  
Pod pigmentation *homozygous*  
Other information

## 9 PURPOSE OF SELECTION

Cultivar  
Foundation parent *yes*  
Other

## 10 DISTRIBUTION AVAILABILITY

*asexually (limited)*

## 11 TECHNICAL DATA

Performance *0.9 kg/tree*  
Propagation *easy*  
Establishment and response  
to environment *good*