



Now, whenever people ask you about variety in agri-biotech.

Don't tell.. Show !

Thanks to Micro Plantae, the modern Indian Agriculturist today have an endless array of trump-cards at their disposal. As India's leading Agri-biotech company, Micro Plantae brings you a spell-binding collection of plant material to choose from : **Black Maroo Seedless Grapes, Strawberry Plants, Banana Plants and High Yield True Potato Seeds.** In Floriculture, we've products like **Pot & Cut Gerberas, Carnations, Gladioli Bulbs, Liliium Bulbs, Liatrus Bulbs, Callallily, Syngoniums, Ficus, Spathiphyllums** and a host of other exotic ornamentals.

All this, in collaboration with world leaders and with the backing of our nation-wide service set-up that offers dependable, all-round support to the modern Indian agriculturist.

So, if quality & variety in agri-biotech is what you need, make the winning move. For details & product literature, get in touch with us, today.



MICRO PLANTAE LTD.

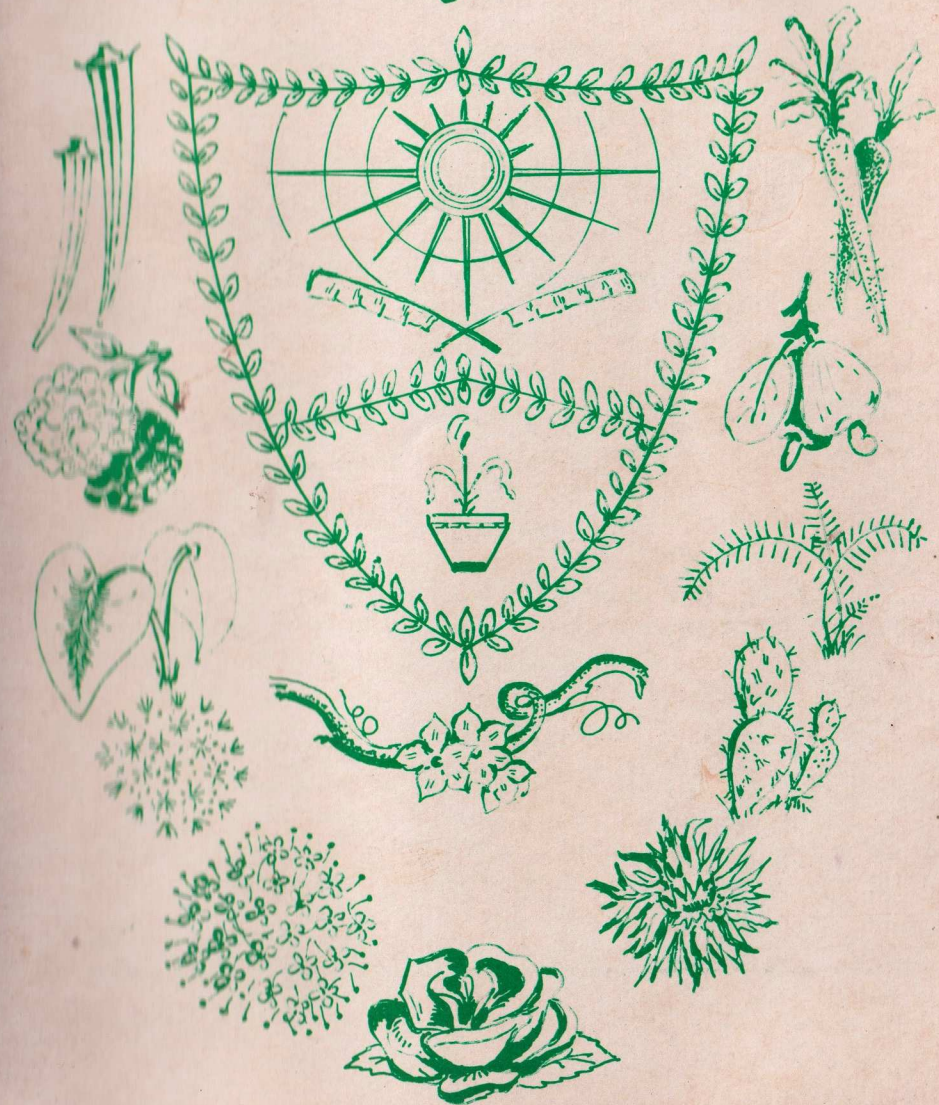
People you can bloom with !

407, Dalamal Chambers, 29 New Marine Lines, Bombay 400 020. INDIA
Ph : 022-208 0695 / 205 2284 Fax: 022-2015248.

Radical/MP/95

Britto

Book Of Plants



BRITTO BOOKS OF PLANTS

© PTA OF ST. BRITTO HIGH SCHOOL, 1995

Cover Design & Illustrations:
Michael D'Silva

Compiled & Edited by :
Miguel Braganza

with assistance of:
Rena Menezes - Fernandes

Published by
PARENT TEACHER ASSOCIATION
ST. BRITTO HIGH SCHOOL
MAPUSA GOA
Phone - 262248

This book is registered with the Central Library, Panaji, under the Book Act. The source should be acknowledged whenever extracts of this book are reproduced.

Rs. 25.00

Printed at:
Haldankar Offset Printers, Panaji - Goa.

BRITTO BOOK OF PLANTS PREFACE

We see plants every day of our lives. Yet, how many of us really know about these plants to be able to differentiate one from the other? It was not always that way.

*Two generations ago the people in Goa and the rest of India knew plants intimately. They used **Aduso** leaves to relieve fevers, colds, pain and even diabetes. They knew which **suran** could be eaten and which was poisonous. You could not tempt them to touch leaves, fruits or latex of plants that caused allergies. They knew the difference.*

Almost all the plants have some use or other. Plants reduce noise, dust, or air pollution by toxic gases. They absorb and breakdown pollutants from water. Some yield dyes and tanning agents. Other plants yield food, fodder, fibre or fuel.

*Some persons spend time among the plants and experience the divine presence. Through nature one can commune with that higher spirit that we call God. The rishis understood this and made **vanaprasta** a pre-requisite to become a Sanyasi. Even today, amidst the bustle of fast-moving life styles, we can experience a calmness, a divine bliss, amongst the trees. What Shelley, Longfellow and Wordsworth wrote in their poems was exactly what they were moved to write by such an experience.*

Medicinal values of various plants have been known since vedic period, if not earlier. The Jesuits like Fr. H. Santapau S.J. (former Director of Botanical Survey of India), Fr. Pallithanam S.J. (St. Xavier's College Mapusa) and Fr.

Saldanha S.J. (St. Joseph's College, Bangalore) and others have contributed to the spread of this knowledge.

In 1994, St. Britto High School students held an exhibition of **medicinal plants**. Students and their parents gained first hand knowledge of locally available plants and their use in medicine.

This year the school completes 50 years under Jesuit management. We have decided to reach out and spread the love and knowledge of plants. The plant show, **Britto Flora '95** is a step in that direction.

On 24th September, 1995, we called Ms. Nagzine Shackleton to demonstrate the art of **vegetable carving** to students of various schools located in Mapusa. On 12th November, 1995, Ms. Grace Coutinho demonstrated **flower arrangements** to a similar target group. Parents of our students also attended in large numbers.

Officers of the Agriculture Department demonstrated **pot culture**, cuttage, grafting and other techniques to students of St. Britto High School on 27 and 28 September, 1995. We have encouraged our students and their parents to grow plants.

The **Britto Flora '95** is a culmination of these activities during 1995. It is not the end. This book is designed to generate interest in plants available in Goa. I encourage you to read it, to know more about the plants and to grow them. I wish you pleasant reading and happy gardening.

Fr. Abraham Painumkal, S. J.

Principal & President of PTA
St. Britto High School.

Dated 1 December 1995.

INTRODUCTION

This book is designed to give you basic information on the plants around you. The only internationally accepted name for a given plant is the **binomial** (pair of names) **classification** as recognised by the international union for conservation of nature and natural resources (IUCN)

The IUCN names are in latin or latinised words from other languages e.g. a plant named after Dr. C. X. Furtado gets the **specific name** Furtadonna. The species name is preceded by a plant group name or **generic name** in latin e.g. *Areca*. This group includes the arecanut and a number of ornamental palms.

The IUCN names are useless to a lay person who cannot co-relate the plant he sees with the names in the book. The common Konkani and English names are given in the glossary to help in this respect. As you can see there are a number of common names for a given plant. Conversely, one name is used for a number of plants. The common names can thus cause a great deal of confusion.

The scientific names are accurate. Once the common name leads you to the correct scientific name, there is nothing to stop you from referring to standard botany texts like "Flora of the Presidency of Bombay" vol 1 & 2 by Theodore cooke (1905) or Flora of Goa, Diu, Daman, Dadra & Nagarhavelli Vol 1 & 2 by Rolla Seshagiri Rao (1986) published by the Bo-

tanical Survey of India, Howrah, W.B.

With access to the scientific name you can also refer to the "**Wealth of India**" series (24 volumes) published by the CSIR, Publication & Information Directorate, Delhi. This set of books is available at Goa University Library.

Even if you do not want to know the details of the plants from the above books, this booklet will help you to identify the plant and know a little about it.

The Format of the text is kept simple. For each plant the information is given in the following order:

Scientific name (in Italics)

Local names (in Bold letters)

English names (in Capital letters)

Category: Tree, Shrub, Herb, Vine.

Propagation methods

Family (in Italics)

Area of origin.

Brief information about the plant relevant to Goa.

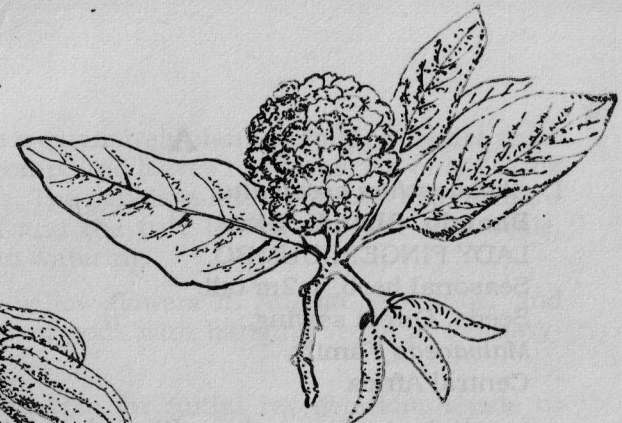
Sketch of the plant is given separately.

Obviously all the plants available in Goa cannot be listed in this book. Plants having names starting with A,B or C are extensively covered. For the other twenty three alphabets we had to choose only a few. The rest of the plants will have to await another book.

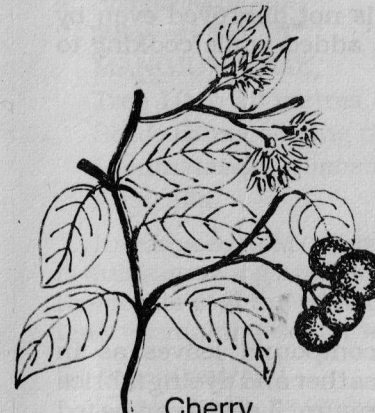
- Editor



Carambola
Averrhoa carambola



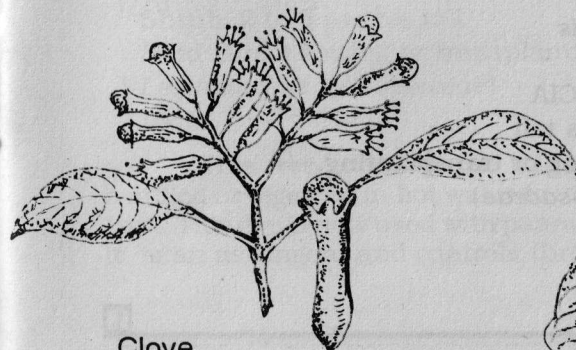
Custard Apple
Annona squamosa



Cherry
Carissa carandas



Chilli
Capsicum frutescens



Clove
Syzygium aromaticum



Lemon
Citrus sp.

A

1. *Abelmoschus esculentus*

Bhendo, Bhendi, Okra

LADY FINGER, GUMBO,

Seasonal herb, 1-2m tall.

Seeds, Direct sowing.

Malvaceae Family.

Central Africa

It is a commonly cultivated vegetable. Pods are lemon green to dark green, 15 to 30cm long, 5 or 7 sided. It can be grown throughout the year, except January-February.

The mucilage in the pods is not destroyed even by cooking. Locally, *Garcinia* rind is added while cooking to break down the mucilage.

2. *Acacia arabica*

Babool, Shami

GUM ARABIC

Tree, 3 to 10 metres tall

Seeds Direct sowing.

Leguminosae (Mimosaceae)

Tropical Africa

It is a thorny tree with compound leaves as in tamarind Bark is used for tanning leather and dyeing fabrics yellow. Injured stem yields adhesive gum.. Leaves can be fed to goats and cattle.

3. *Acacia auriculiformis*

Bengali babool,

AUSTRALIAN ACACIA

Tree, 5 to 15 metres tall

Seeds, Direct sowing or transplanting.

Leguminosae (Mimosaceae)

Australia

1

This tree is extensively planted along roadsides since 1980s. It has compound leaves like tamarind only during first two months. The petiole is later flattened to look like a *Eucalyptus* leaf and the true leaf is reduced to a scale. Responds well to watering.

It bears yellow flowers in August-September and woody inter-twined pods with hanging seeds in January-March

Very good tree for initial revegetation, shade or firewood. Some people get bronchial allergy due to its excessive pollen. Tree is not recommended for residential areas or canal banks.

4. *Acacia mangium*

Vilayeti Sal

MANGIUM TEAK

Tree 10 to 20 metres.

Seed, Direct sowing or transplanting.

Leguminosae (Mimosaceae)

Australia.

Introduced at M/s Sesa Goa mines in late 1980s. The tree is quick-growing and may attain 5m height in a single year. Responds well to watering. Wood is used as a substitute to teak for making doors, window frames, etc.

5. *Acacia catechu*

Khair, kath, catechu,

CUTCH

Shrub, 2 to 5 metres tall

Seed Direct sowing or transplanting.

Leguminosae (Mimosaceae)

India

This tree grows on the hillsides. The heartwood is distilled or digested in hot water to yield a red-brown dye or *kath*. This dye is now used with paan-supari or to colour tea. It is an astringent and controls throat infections. The dye

2

was originally used to produce Khaki cloth.

The tree has compound leaves and is very slow growing. Trunk rarely grows more than 30cm in diameter.

6. *Acalypha hispida*

Koleachi shempdi

REDHOT CAT'S TAIL

Shrub 1 to 2 metres tall, or rarely a creeper.

Cutting of semi-hardwood

Euphorbiaceae

Tropical Asia.

Ornamental plant with green leaves and red or cream coloured, showy catkins resembling a fluffy tail.

7. *Acalypha wilkesiana*

Croton

COPPER LEAF, MATCH-ME-IF YOU-CAN

Shrub, 1 to 2 meters tall

Cutting of stem

Euphorbiaceae

Tropical Asia

Leaves are variegated, copper, green, cream or red coloured, waxy and showy. These are not **crotons** but often confused as one such plant.

8. *Adenocalymma alliaceum*

Losun vel

BIGNONIA

Vine, Woody stemmed,

Ground layers, cuttings.

Bignoniaceae

Tropical America

Beautiful mauve to violet flowers in clusters during August, October and February. Crushed leaves emit a distinct garlic odour.

9. *Adhatoda vasica*

Aduso, Adulsa

VASACA, MALABAR NUT

Shrub 1 to 2 metres tall

Seed, cuttings

Acanthaceae

Tropical Asia, India

Commonly used as a multi-purpose hedge near homes. The small white flowers in spikes (like abolim) contrast well with the dark green leaves. The flowers are used in garlands. The hedge can keep out small animals like dogs and goats.

The leaves are used in warm bathwater to reduce fever. The extract of the leaves is an expectorant and is used in a popular cough syrup. Leaves, if eaten on 21 consecutive days, are known to reduce diabetes. A single leaf may be heated and placed over the ear to relieve earache.

10. *Aegle marmelos*

Bael, Bilva, Sripthal, Belpatri

BENGAL QUINCE, WOODAPPLE TREE.

Tree, 5 to 10 metres tall

Seeds, Direct sown or transplanted

Rutaceae

North India, lower Himalayas

Trifoliate leaves of this tree are essential for satya-Narayan pooja. Fruit is eaten or made into juice, syrups or wine.

This tree should not be confused for woodapple *Feronia elephantum* which has leaves with a winged periole and is penta- or septa-foliate. Both these plants belong to the lemon family, *Rutaceae*.

11. *Agave sisalana*

Sisal

CENTURY PLANT, BAHAMA HEMP

Herb, rosette Succulent
Bulbils (Baby plant)
Agavaceae
Mexico

Plant resembles that of pine-apple or aloe. Leaves held stiffly and with spiny tip. Long, pole-like flower stalk emerges in seven to thirty years. Flowers modified into bulbils. Plant used as an ornamental. Fibre from leaves can be used to make ropes.

12. *Aglaonema treubi*

Aglaonema

CHINESE EVERGREEN

Herb, 30 to 50cm tall

Seeds, cuttings, clump separation

South East Asia.

An ornamental plant with variegated or silver coloured leaves and red, chilli-like fruit with hard seeds. Introduced to India in 1980s and now extensively used as a potted plant indoors.

13. *Allamanda cathartica*

Botheh

GOLDEN TRUMPET

Shrub to rambling vine.

Cutting, clump separation

Apocynaceae

Tropical South America.

Large golden flowers with five petals partly fused to form a conical tube. It is an ornamental plant. Sap is a cathartic and emetic.

14. *Allium cepa*

Kando, Piao

ONION

Herb

Seed or bulb
Alliaceae
Temperate Europe, Persia

The onion bulbs, when planted again during the second season, bear hard black seeds. The seeds are used to raise spring onions for planting.

15. *Allium sativum*

Losun, Lasuna

GARLIC

Herb

Seeds

Alliaceae

Central Asia

Garlic is used as a spice and as a cure for high blood pressure, intestinal worms and toothaches. It is a good expectorant for common colds.

16. *Alocasia cuculata*

Madi

GIANT TARO

Herb

Corm cuttings

Araceae

Indo-Malaysian region

The corm is eaten as vegetable.

17. *Aloe barbadensis*

Kantekunvor.

ALOE, CURACAO ALOE

Herb, rosette 20 to 50cm

Seed, Suckers

Liliaceae

Mediterranean region

The soft pulp of the thick, fleshy leaves is used for

softening the skin to extract thorns, improve complexion or reduce burn damage.

18. *Alpinia malaccensis*

Ful-velchi

GINGER LILY

Herb, 1 to 2 metres tall.

Rhizomes, bulbils

Zingiberaceae

Polynesia, Malaysia

Plant resembles that of cardamon but bears attractive red flowers at the apex. Flowers later develop into plantlets as in Ribbon grass or Spider Lily. Ornamental.

19. *Alstonia scholaris*

Sathwan, Santon, Saithan

PALMIRA ALSTONIA, DEVIL'S TREE

Tree 20 to 40 metres tall

Seed

Apocynaceae

Srilanka & India.

A tall, majestic tree which bears strongly fragrant flowers during November - March period. It bears pods resembling yard-long beans in bunches.

Alstonia has a peculiar branching system. It bears four branches at each node and yet manages to grow with a single majestic trunk.

20. *Amaranthus gangeticus* (*A. blitum*)

Tambdi baji

RED AMARANTH

Herb: 30cm to one metre tall

Seed, Direct or transplanted

Amaranthaceae

Tropical Asia

This is a popular leafy vegetable cultivated throughout Goa. Leaves are blood red in colour. Green and green-red leaved varieties are also grown

21. *Amorphophallus campanulatus*

Suran

ELEPHANTFOOT YAM, ARUM

Herb, one metre tall

Corm cuttings, cormlets

Araceae

Tropical Asia

The large, sub-surface corm is cooked as vegetable or used as potato substitute. Only the light green stemmed varieties are edible. Dark green and purple stemmed plants produce inedible yams.

22. *Anacardium occidentale*

Kaju

CASHEW

Tree; 2 to 10 metres tall

Seed, grafting

Anacardiaceae

Brazil, Tropical America

This exotic plant now occupies one third of all cultivated area in Goa. It produces net exportable surplus of processed cashewnuts and **feni**. The shell liquid (CNSL) is used to paint canoes and to protect wood from termites.

23. *Ananas comosus*

Ananes, Ansa

PINE-APPLE

Herb, rosette, one metre tall

Suckers, crown, slips

Bromeliaceae

Brazil

Excellent dessert fruit that is available from May to August in Goa. Leaf fibre can be used for making ropes.

24. *Annona squamosa*

Anth, Anther, Sitaphal

CUSTARD APPLE, SWEET SOP

Tree, 2 to 10 metres tall

Seed, grafts

Annonaceae

Tropical America.

It is fruit containing hard, black seeds and creamy, white pulp. Bullsheart, Soursop, Cherimoya and Atemoya also belong to the *Annona* genus.

25. *Anthurium andreaeanum*

Anthurium, Ful terem

PAINTER'S PALETTE

Herb, 30 to 50cm tall

Suckers, seeds

Araceae

Tropical America.

The pink, red, white or a combination-coloured flower spathe has a long vase-life. It is becoming increasingly popular in Goa as a potted plant and cut-flower with export potential.

26. *Arachis hypogea*

Bingtam, Shing-dane

GROUNDNUT, PEANUT

Herb, 10 to 30cm tall

Seeds

Leguminosae (Papilionaceae)

South America

It is a popular pulse and oilseed crop in Goa since its introduction into commercial cultivation in late 1970s

The tubular, yellow flowers penetrate the soil near the roots and bear pods below the soil level.

27. *Araucaria cookii*

Christmas tree

MONKEY PUZZLE TREE

Tree, 10 to 50 metres tall

Seed, transplanted.

Araucariaceae

Polynesia, Australia

This is a coniferous tree growing at higher altitudes. It does not bear cones or seeds in Goa.

28. *Areca catechu*.

Bedo-maadi, Beeda, Supari

BETELNUT PALM, ARECA PALM

Palm, 10 to 20 metres tall

Seeds

Palmae

Tropical Asia

It is mainly grown for **supari** used in **paan** and **paan masala**. The stem can be used as poles. Caps and plates are made of the leaf sheath

29. *Artocarpus integrifolia*

Ponos, Borkoi

JACKFRUIT

Tree, 10 to 30 metres tall

Seed, grafts

Moraceae

India and Malaysia

The Jackfruits segments are eaten as dessert fruit. The fruit skin and green leaves are used as cattle fodder. Planks are made of its sturdy trunk.

30. *Artocarpus lakoocha*

Vomt, otma, Aotam

LAKOOCHA

Tree, 10 to 20 metres tall

Seed

Moraceae

India

Raw fruit is sliced and dried for use as a souring agent for curries. Wood is used for boat building, specially dug-out canoes.

31. *Asparagus setaceus*

BRIDAL FERN, MAIDEN FERN

Vine, slender, thorny

Seed, Transplanted

Liliaceae

India

The wispy leaves are used in bouquets

32. *Averrhoa bilimbi*

Bimblim, bilimbi

CUCUMBER TREE

Tree 2 to 5 metres

Seeds

Averrhoaceae

Malaysia

It bears tiny red flowers in bunches along the main trunk. Fruits are five to ten centimetres long and one centimetres in diameter. Used as souring agent in curries.

33. *Averrhoa carambola*

Karmal

CARAMBOLA

Tree, 5 to 10 metres tall

Seed

Averrhoaceae

Tropical Asia.

Fruit is either eaten fresh or made into pickles and jams.

34. *Avicennia marina*

Kari

MANGROVE

Shrub, 5 to 10 metres tall

Seeds

Avicenniaceae

Tropical Asia & Australia

This plant grows on the river banks and is commonly seen along the Mandovi river system, specially near Chorao. It has breathing roots or *pneumatophores*.

All mangroves are protected by law and their cutting for firewood or prawn farming is illegal in Goa.

35. *Azadirachta indica*

Kodulimb, Neem

NEEM, MARGOSA

Tree, 5 to 10 metres tall

Seed

Miliaceae

Indo - Malaysia region

Neem oil from the seeds is a good insect repellent and insecticide. The de-oiled neem powder is a good manure for coconut trees.

The tree grows best in well-drained, gravelly or sandy soil. Do not manure or irrigate.

B

36. *Balsamina latifolia*

Chiddo

BALSAM, GARDEN BALSAM

Herb: 20 to 50cm tall

Seed, Direct sown.

Balsaminaceae

Indo-Malaysia region

This plant grows on hill sides naturally during the rainy season. The capsule bursts when the tip is pressed. Flowers are borne along the stem. Petals are generally violet but hybrids with red, orange and other coloured petals are available.

37. *Bambusa arundinacea*

Velu

GIANT BAMBOO

Herb, 10 to 20 metres tall

Suckers, Seed, Tissue culture

Poaceae (Graminae)

Tropical Asia

This is a stout bamboo used as shuttering poles, uprights and for scaffolding. Culm is about ten to fifteen centimetres in diameter. Young bamboo shoots and buds are edible.

38. *Bambusa vulgaris*

Maan, Cono, Udh

COMMON BAMBOO

Herb, 5 to 10 metres tall

Suckers, seed

Poaceae (Graminae)

Tropical Asia

This bamboo is used for making ladders, baskets and mats. The culm is long and slender, never exceeding ten centimetres diameter at the base. The young buds are edible.

39. *Basella rubra (B. alba)*

Vowchi baji

VINE SPINACH

Vine, soft stemmed.

Seeds, cuttings

Basellaceae

Tropical Africa

There are red and green stemmed varieties. Plant grows round the year and yields a green leafy vegetable rich in iron and vitamin C. The juice of its small, red berries is a natural food colour.

40. *Bauhinia purpurea*

Apto, Kachnar

CAMEL'S FOOT TREE

Tree, 5 to 15 metres tall

Seeds

Leguminosae (Caesalpinaceae)

India to China

This tree is normally grown as an ornamental plant or for its pink wood. The flower and buds are edible.

This generic name is in honour of the Bauhin twin brothers who were botanists. The leaf shape is like the cloven foot of a camel or cattle.

41. *Baucarnea recurvata*

Nolina

PONY TAIL PLANT.

Shrubby herb, one metre tall

Suckers, bulbils

Agavaceae

Mexico

This plant has a large, bottle-shaped stem with a tuft of long leaves in a rosette on top. Ornamental. Leaves used as thatch and for making mats in native Mexico.

42. *Begonia rex*

Begonia

Herb, 20 to 50 centimetres tall.

Cuttings, clump separation

Begoniaceae

Tropical America

These are largely ornamental plants grown for their

showy leaves and flowers. The flowers are edible and used to prepare a decoction against colds.

43. *Benincasa hispida*

Kuhanlo, Bobro

WAX GOURD, ASH GOURD

Vine, soft stemmed

Seeds, Direct sown.

Cucurbitaceae

Tropical Africa

The fruit is used as a vegetable. It is rich in vitamins A, B and C. and is also used as a blood purifier in ayurveda.

44. *Bombax malabarica*

Sanvor, Kapok

SILK-COTTON TREE

Tree, 10 to 20 metres tall

Seeds. Transplanted

Bombacaceae

Tropical India

Tall, soft-wooded tree with horizontal branches on a straight trunk. Sheds leaves in December and then bears large, brilliant red, waxy flowers. The cotton pods mature in April-May. The silk cotton fibres are used locally to stuff pillows and mattresses.

45. *Brassica oleracea*

Kobi, Ful-Kobi

CABBAGE, CAULIFLOWER, BROCOLI

Herb 20 to 50 Centimetres tall

Seeds, Transplanted

Brassicaceae (Cruciferae)

Mediterranean region

Cabbage, cauliflower and brocoli belong to the same species but they are three different botanical varieties.

Cabbage has been cultivated for more than 8000 years while cauliflower was first grown during the Roman era.

46. *Brassica caulorapa*

Godde, Nab, Knolkohl

KNOLKOHLE, KOHLRABI

Herb, 20 to 50 centimetres tall

Seeds, Transplanted

Brassicaceae (Cruciferae)

Mediterranean Asia.

The swollen, round stem is eaten as vegetable within two months of sowing and is a popular crop in Goa.

47. *Butea frondosa*

Palas

BASTARD TEAK, BENGAL KINO

Tree, 20 to 50 metres tall

Seeds

Leguminosae (Papilionaceae)

Indo-Malaysia region

Tall tree with broad leaves which are used for making disposable plates or wrapping food in Karnataka. It bears bright orange to red flowers in January-February in such profusion as to earn it the name "**Flame of the Forest.**"

An yellow dye is extracted from the flowers. Seeds from its Gulmohur - type, large pods are pounded and used as purgative and to treat intestinal worms.

C

48. *Caesalpinia pulcherrima*

Combo-shenkro, Shankasur, Alfuli

PEACOCK FLOWER, PARADISE FLOWER

Shrub, 2 to 5 metres tall.

Seeds, cuttings.

Leguminosae (Caesalpinaceae)

Tropical Asia

A beautiful ornamental plant with yellow, salmon or orange-red flowers having hanging anthers. The jelly-like, transparent flesh on the seeds in immature pods is edible. Peak flowering is in August-September.

49. *Cajanus cajan*

Tur

REDGRAM, PIGEON PEA

Shrub, one to two metres tall

Seeds

Leguminosae (Papilionaceae)

Tropical Asia & Africa.

This is a perennial plant normally cultivated as a seasonal crop which takes four to six months to mature for harvest. The grain is normally split into "dal" before cooking.

50. *Caladium bicolor*

Tero, Terem

ANGEL WINGS, ELEPHANT'S EARS

Herb, 20 to 50 centimetres tall

Rhizomes, seeds

Araceae

Tropical South America

Normally grown as an ornamental plant with white, white and red or variegated leaves.

51. *Calamus rotang*

Rotam, Beth

CANE, RATTAN CANE

Herb, 15 to 10 metres long.

Suckers, Clump division

Palmae

Tropical Asia & Africa

The stem is flexible and is used for making furniture, baskets, mats, walking sticks and lathi.

52. *Calathea makoyana*

PEACOCK PLANT, PRAYER PLANT

Herb, 20 to 50 centimetres tall

Suckers, Clump division.

Marantaceae

It is used exclusively as an ornamental plant in Goa. The tubers are rich in starch. They are often attacked by rats and bandicoots.

53. *Calendula officinalis*

Rosam, Rozini

CALENDULA, POT MARIGOLD

Herb, one metre tall

Seeds, Cuttings

Compositae

Persia (Iran)

The flowers look similar to the common Marigold. The flowers are used in home remedies for intestinal worms and jaundice. The leaves are simple, unlike those of marigold.

54. *Calliandra houstoniana*

POWDER PUFF

Shrub, one to five metres

Seeds, Cuttings

Leguminosae (Mimosaceae)

Tropical Asia & America

It is an ornamental plant with powder - puff like violet or red flowers.

55. *Calotropis gigantea*

Ruie, Madar

CALOTROPIS, MILK WEED

Shrub, 1 to 3 metres tall

Seeds

Asclepiadaceae

Tropical Asia

The milky latex is used to reduce toothache and to soften the flesh to remove thorns. The leaves are used as a poultice on boils, sores and wounds. The floss of the fruit is used to stuff pillows. The leaves are a good antifeedent for insects in paddy fields. This plant is commonly seen along roadsides. It bears purple to mauve flowers with large yellow anthers along the top.

56. *Calycopteris floribunda*

Uski

GETONIA

Vine, woody stem

Seeds

Combretaceae

Indo-Malaysia

The leaves are used as green manure for coconut. The soil at the roots is favoured by gardeners. Bears bunches of off-white flowers in December-February. Generally seen as a shrub due to constant trimming for manure.

57. *Canavalia ensiformis*

Gevdeh

SWORD BEAN, JACK BEAN

Vine

Seeds

Leguminosae (Papilionaceae)

West Indies.

The large, green, flat pods are cooked as a vegetable. It is cultivated.

58. *Canna indica*

Dev Kelmo

INDIAN SHOT, AFRICAN TURMERIC

Herb, one metre tall

Seeds, Clump separation

Cannaceae

Tropical America

It is grown as an ornamental plant either in pots or flower beds. Leaves can be used for wrapping food.

59. *Capparis zeylanica*

Vaghanti, Tottlebali

CRADLE CREEPER

Vine, woody stem

Seeds

Capparidaceae

Tropics

This stout creeper has dark green, waxy, simple, alternate, ovate leaves. The leaves are used as poultice to reduce swellings due to boils or piles. The root bark is a sedative and reduces perspiration and pain.

60. *Capsicum annuum*

Mirsang

CHILLI, BELL PEPPER, PAPRIKA

Herb, 50cm to one metre

Seeds

Solanaceae

Tropical South America (Chile)

This is a spice brought by Columbus to Europe as a substitute for Indian Black Pepper. Used extensively in Indian cooking. Fruits are used either green or after drying when ripe red. They are rich in vitamins A & C.

61. *Capsicum frutescens*

Lovongi, Tarvoti mirsang

PERENNIAL CHILLI

Herb one metre tall

Seeds

Solanaceae

Tropical America.

These chillies are held erect and upwards and are smaller than the hanging chillies. They are also far more pungent and are used in pappads.

62. *Careya arborea*

Kumyo, Kaval

PATNA OAK

Tree, 5 to 15 metres tall

Seeds

Barringtoniaceae

Indo-Malaysian

This tree grows naturally on the hillsides alongside the Jamun, Kantam and Churna plants. The leaf of the Kumyo is rolled into a cone and stapled with a broomstick to form a receptacle called "dohno" or "drone" to carry these berries.

Two Leaves are used to envelope jowar roti when roasting it on hot coals.

The wood is termite resistant. It is used for carts and implement handles. It is a good fuel wood.

63. *Carica paoaya*

Popai, Papita

PAPAYA

Herb, 2 to 5 metres tall

Seeds

Caricaceae

Tropical America, West Indies

This plant grows with a single soft stem that is very susceptible to water-logging. Raw fruit is cooked as vegetable or cut to extract latex for papain and meat tenderizers. Mature fruits are candied to make tutti fruiti. Ripe fruit are eaten as dessert. Fruits are rich in Vitamins A & C.

64. *Carissa carandas*

Kantam, carvonda

INDIAN CHERRY, CARANDA

Shrub, thorny 2 to 3 metres tall

Seeds

Apocynaceae

Tropical Asia & Africa

The deep red berries are eaten fresh or made into jams during March to May period. Raw berries are pickled in brine or masala. The plant makes a good bio-fence due to its thorny nature and drought tolerance.

65. *Caryota urens*

Billo maad

FISH-TAIL PALM

Palm, 10 to 30 metres tall

Seeds

Palmae

Indo-Malaysia

Self-sown plants of Billo maad are found throughout Goa. It occurs on sandy beaches and rocky hill-tops alike.

The fronds are used for decoration at feasts, irrespective of religion. The fruit bunches are strung on coir rope to make decorative curtains. The leaf bases (peedo) can be used to make coarse brushes for lime-washing walls. The tender leaf crown is edible.

Toddy can be made into jaggery or alcoholic drink. Sago can be made from old stems. However, this is not done in Goa now.

66. *Cassia fistula*

Bhavo, Baya

INDIAN LABERNUM, PIPE TREE

Tree 5 to 15 metres tall

Seeds

Leguminosae (Caesalpinaceae)

Tropical Africa

This is a beautiful ornamental tree with bunches of golden flowers in February-April.

The leaves are fried and mixed with rice and coconut to relieve stomach-ache. Young leaves are a laxative. The bark juice is used to treat diarrhoea. Bark is also used for tanning leather.

67. *Cassia tora*

Talkuli, Taikulo.

SICKLE SENNA

Herb, 30cm to one metre tall

Seeds

Leguminosae (Caesalpiaceae)

Tropical Asia

This plant grows self-sown in abundance during each rainy-season from hill slopes to the plains.

The tender leaves are used as vegetables. Leaf juice prevents eruptions due to mosquito bites. Leaves are used to treat skin ailments from ringworm to gonorrhoea (STD)

The seeds of **Taikulo** can be roasted and used as coffee substitute. Fresh seeds are used as mordant for fixing cloth dyes.

68. *Casuarina equisetifolia*

Shuru, Suru

BEEFWOOD, AUSTRALIAN PINE.

Tree, 10 to 30 metres tall

Seeds, Transplanted

Casuarinaceae

Australia & Polynesia

This tree is extensively planted along the Goan coast. It has pine-like green needles (cladodes).

The branches are used as substitute for Christmas Tree. The twigs are used in wreaths. Poles of casuarina are used for shuttering while laying concrete.

69. *Ceiba pentandra*

Kapok, Hirvi Sanvor

SILK COTTON TREE

Tree, 10 to 20 metres tall

Seeds

Bombacaceae

Tropical America & Africa

The cotton floss is similar to that of *Bombax* and is put to similar use. The tree is fast growing and even its mature trunk is green in colour. Cotton seed oil is extracted for soaps

70. *Centrella asiatica*

Brahmi, Azravel

HYDROCOTYL

Herbs, ground cover

Clump division, seeds

Hydrocotylaceae

Tropical Asia

The leaves are edible and can be used as vegetable. It is a tonic, blood purifier and is used in treatment for nervous disorders, fevers, hair loss, piles, dysentery and common colds.

71. *Citrus aurantifolia*

Limbu, Limao, Nimbu

LIME, LEMON

Shub, 1 to 3 metres tall

Seed, cuttings, budlings, layers.

Rutaceae

Indo-Malaysia & China

The citrus genus is very difficult to classify taxonomically. One botanist puts them in a dozen species while the other lists more than 200 species. Limes, lemons, oranges, tangerines, sweetlimes pumelo, grapefruit and the citron belong to this genus.

72. *Chrysanthemum morifolium*

Shinvtem, Xinvtem

CHRYSANTHEMUM.

Herb 20 to 50 centimetres tall

Seeds, Cuttings

Compositae

Persia (Iran)

It is a common winter flower. Both seasonal and perennial varieties of plants are available. The common variety is a light butter-yellow colour. Red, mauve, salmon, purple and mixed colour flowers are also available.

73. *Cinnamomum zeylanicum*

Tikki, Dalchini, Tejpatta.

CINNAMON

Tree, Cultivated as shrub.

Seeds, Transplanted

Lauraceae

India & Sri Lanka

The bark of one year old stems is dried in shade and used as spice. The leaves also impart flavour to meat and biryani.

74. *Cocos nucifera*

Nal, Nariyal

COCONUT

Palm, 20 to 40 metres tall

Seeds, Transplanted

Palmae

Asia and Polynesia

Coconut is a major cultivated crop. The varieties are known by the villages of popular cultivation, viz Benaulim and Calangute. A selection of Benaulim type with green, round nuts has been released by KKV under the name of "Pratap". It has the highest copra yield per tree per year among all the known varieties of coconut.

75. *Codiaeum variegatum*

Croton

Shrub 1 to 2 metres tall

Cuttings, layers

Euphorbiaceae

Australia.

This is a widely grown leafy ornamental plant. The leaf shapes and colours are of a very wide range.

76. *Coleus blumei*

Coleus

FLAME NETTLE

Herb, 20 to 50cm tall

Cuttings, clump division

Labiatae

Tropical Asia & Africa.

This is an ornamental plant that is commonly grown in Goa since the 1970s. It is quick growing and easily multiplied. The leaves are of different shapes, sizes and colours.

77. *Colocasia esculenta*

Tero, Terem

TARO, ELEPHANT'S EARS

Herb, 50cm to 1 metre tall

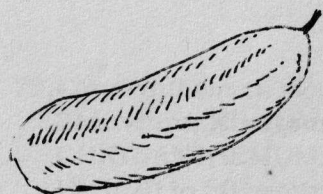
Rhizomes, seeds

Araceae

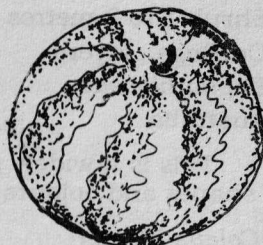
Tropical Asia

It is easy to confuse *Alocasia*, *Caladium* and *Colocasia* for each other. They look alike and belong to the same family.

The tubers of *Colocasia* are more nutritive than potatoes. The leaves are edible. Both, the tubers and the leaves, must be boiled to remove bitterness due to calcium oxalate crystals.



Musk Melon
Cucumis melo



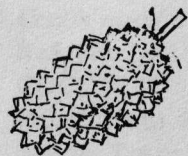
Water Melon
Citrillus lanatus



Sponge Gourd
Luffa cylindrica



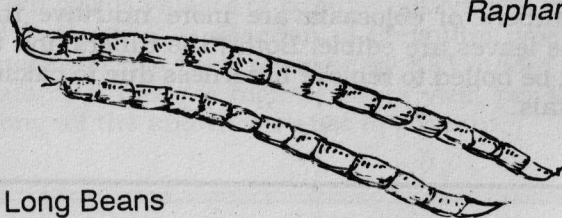
Air potato
Dioscorrea bulbifera



Faglam
Momordica dioica



Radish
Raphanus sativa



Long Beans
Vigna sesquipedalis

78. *Couroupita guinensis*

Kailaspati

CANNONBALL TREE

Tree, 20 to 30 metres tall

Seeds

Lecythidaceae

West Indies & Peru

This tree bears large round, hard fruits resembling ancient cannon balls. Flowers are large and emerge from the main trunk as in jackfruit.

A good specimen can be seen on the road side near Santa Cruz Church.

79. *Crossandra undulifolia*

Abolim, Priyadarsa.

FIRE CRACKER FLOWER

Herb to Shrub, 1 metre tall

Seeds, Cuttings

Acanthaceae

India

This plant is grown for its salmon coloured to orange flowers. The **Ratan Abolim** have compact, partly opened flowers and are grown extensively. Varieties with fully open flowers are known as "**Pishim Abolim**" and have poor demand.

80. *Curcuma longa*

Halod, Haldi

TURMERIC (not saffron)

Herb, 30cm. to 1 metre tall

Rhizome division

Zingiberaceae

Indo-Malaysia region.

The boiled and dried rhizomes are used as a colouring agent, spice, preservative and an antiseptic. The leaves are used to steam the ground rice delicacy locally known as *pathodeo*.

81. *Cyamopsis tetragonoloba*
Chidki-Midki, Tidki, Guar
CLUSTER BEANS
Herb, 1 to 2 metres tall
Seeds
Leguminosae (Papilionaceae)
India & Africa.

It is a vegetable plant grown for its green, flat pods all round the year.

82. *Cycas circinalis*
SAGO PALM, CYCAS
Palm, 2 to 5 metres tall
Seeds, suckers
Cycadaceae
Indo-Malaysia region

This plant is not a palm although it looks like one. It is a Gymnosperm. The leaves are used for decorations.

83. *Cymbopogon flexuosus*
Ganjan
LEMON GRASS
Grass, Half to one metre tall
Seeds, Clump division
Poaceae (Graminae)
South India

The root is used to flavour tea and to treat cholera, diarrhoea, vomiting and other gastric irritations. Citral extracted from its oil is an insect repellent.

84. *Cynodon dactylon*
Hariyali, Druva, Durvo
NUT GRASS, BERMUDA GRASS
Grass, creeping ground cover
Poaceae (Graminae)
India

This grass is used for lawns, medicine and in hindu rituals, including the last rites. It serves as a fodder grass.

D

85. *Dalbergia latifolia*
Sissum, Shisso
ROSEWOOD
Tree, 20 to 30 metres tall
Seeds
Leguminosae
India

This tree is grown for its high quality timber.

86. *Datura metel*
Dutro
HINDU DATURA
Shrub, one metre tall
Seeds
Solanaceae
India

All *Datura* plants have some intoxicating or narcotic compound. A beedi made of *Datura* leaves is smoked to reduce asthmatic coughs, bronchitis and whooping cough. Daturine present in its leaves and seeds has similar properties as atropine.

87. *Dieffenbachia picta*
DUMB CANE
Herb, 1 to 3 metres tall
Cutting, Seeds
Araceae
Tropical Central America

This is a common ornamental plant with a large number of hybrids coming in during this decade. The stem is cylindrical and soft. It is not browsed by cattle as it deadens the tongue temporarily. Keep the plant away from toddlers.

88. *Dillenia indica*

Karmal

ELEPHANT APPLE

Tree, 10 to 15 metres tall

Seeds

Dilleniaceae

India to Indonesia.

Large, spreading tree with very large fruits having edible, fleshy bracts. Wood is used for dug-outs and canoes as it is durable in water.

89. *Dioscorea bulbifera*

Karane, Karando, Katakong

AIR POTATO, POTATO YAM

Vine, soft stemmed

Tubers

Dioscoreaceae

Tropical Asia

Edible tubers are produced at ground level as well as on the aerial parts of the vine. Cooked and eaten like sweet potato or true potato.

90. *Diospyros ebenaster*

Mangustao

VELVET APPLE, BLACK SAPOTA

Tree, 10 to 20 metres tall

Seeds, Grafting.

Ebenaceae

Mexico

Fruits have red to maroon velvety skin and creamy yellow pulp. Fruit pulp is eaten just like the chickoo.

91. *Dracaena marginata*

CORDYLINE, DRACAENA

Shrub, 1 to 2 metres tall

FOR YOUR REQUIREMENT OF
POTTED PLANTS FOR GARDENS,
LANDSCAPES AND INTERIORS

VISIT

JENNEY

HOME NURSERY



WE ALSO DEAL IN GRAFTS OF FRUIT &
SPICE PLANTS AND HIGH QUALITY
HORTICULTURAL PLANTS.

Contact

ANTHONY D'SOUZA

Monte Villa, Sangolda

(Behind Guirim Church)

APURBAI

an environmental enterprise that has the
only environmental nursery in Goa.

at Gongurem, Assagao
Bardez Goa.

- * At APURBAI you and we learn to earn while preserving the environment.
- * *Meet us on weekdays* : 3 pm to 7 pm
Sundays : 9 am to 1 pm & 3 pm to 7 pm.

Use our special:

VERMWAY: Vermicompost for higher yields of flowers and fruits.

Papaya care: Papaya medicine and technique for bigger, tastier and more numerous papayas.

NIMOL: Neem oil for plant protection sprays.

APURBAI
Knows the difference



**PROTECT AND PRESERVE WILDLIFE TO
ENABLE OUR CHILDREN TO LEAD A
HEALTHY LIFE. THE BEAUTIFUL
FLORA AND FAUNA OF OUR
TINY STATE NEED TO BE
LOOKED AFTER WITH
UTMOST CARE.**

HELP US IN THIS NOBLE TASK.

ISSUED BY:

FOREST DEPARTMENT,
GOVERNMENT OF GOA,
PANAJI GOA

WITH BEST COMPLIMENTS FROM:

ANAND ENGINEERS

**Manufacturers of Wire Nails,
Centering Plates, Hirers & Assemblers of
Diesel Generating Sets.**

D-2/44, Tivim Industrial Estate,
Karaswada, Mapusa 403 526, Goa.

Tel: (0832) 299260 - 2262215

A Nevgi Enterprise

With Best Compliments From:

M/s. MORENA ELECTRONICS PVT. LTD.



Regd. Office:

**138, San Tome Road
P.O. Box 225
Panaji - Goa**

**Phone: 225133
223691**

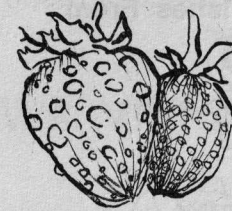
Gram: POWERLITE

Factory:

**D3/34
TIVIM INDUSTRIAL ESTATE
KARASWADA - 403526
Tel: 299529**

Grams: COSINE

With best compliments from:



Phone: 731037

M/s KAKODA FARMS

**Abade Faria Road.
Post Box. 160
Margao Goa.**

*the only trustworthy place to obtain all your
garden and farm requirements under one roof:*

- * ROSE & ORNAMENTAL PLANTS.
- * QUALITY FRUITS GRAFTS.
- * FLOWERING PLANTS & INDOOR PLANTS.
- * VEGETABLES AND FLOWERS SEEDS
- * GARDEN IMPLEMENTS AND SPRINKLERS.
- * HYBRID COCONUT SEEDLING
- * HYBRID CASHEW AND MANGO GRAFTS.
- * FERTILIZERS AND PESTICIDES.
- * PLASTIC POTS
- * LANDSCAPE DESIGNING
- * GARDENING CONSULTANCY SERVICES
- * AND EVERYTHING FOR YOUR GARDEN AND FARM.

With Best Wishes From



Rodney's Roses & Garden Centre

*A Name Synonymous With Quality,
Dedication And On Time Execution Of Projects.*

- * LANDSCAPING
- * MAINTENANCE
- * SALE OF INDOOR/OUTDOOR PLANTS
- * PLANTS HIRE
- * CUT FLOWERS

Address:

Seraulim, Near Railway Station
Goa - 403 708

Tel : 730469

*A trusted producer of genuine mango
grafts, Vengurla - 4 cashew grafts and
other plants*

M/s. VISHAL NURSERY

&

M/s. GOA AGRO FARM

Varchawada - Sal, Bicholim - Goa.

For enquiries contact

Vivek H. Naik

Phone 241 (Dodamarg)

FLOWERS

An Expression of Your Thoughts

Be it a Birthday , Wedding, Anniversary,

Sympathy or Just a Thought

**Come visit us for all your needs in Flowers and
Flower arrangements**

**We also offer floral decor for Offices, Hotels, Weddings, etc.
done with professional expertise**



Shop No. 1, Rosary Apartments, Miramar

Mon-Sat. 9 - 6 p. m.

C/o. Ph. 42349



Nisarga aims to bring together all Nature Loving people of Goa for meaningful achievements and to preserve the beauty of Goa and enhance it further.

To spread the message
"Grow with nature".

Join Nisarga

Contact: 105, Dattakrupa Complex, Dattawadi, Mapusa, Goa 403 507. Tel: 0832-263291/ 252017 Fax: 0832-250948

With Best compliments From



PIONEER OVERSEAS CORPORATION
INDIAN BRANCH
283,8TH CROSS, 2ND MAIN ROAD,
1 BLOCK, R.T. NAGAR
BANGALORE - 560032

PH: 3337452

FAX: 3332959



LILCILA NURSERY

House No 14 - F
Boa Vista, Bastora
Bardez - Goa.

**Propagators and sellers of quality rose
plants, indoor
and
outdoor plants**

**We also undertake maintenance of lawns,
gardens
and
landscapes.**

Contact:

Joseph Pinto
Telephone - 251254



* ABOVE BANK OF INDIA, OPP. FERRY WHARF, PANJIM,
GOA. TEL 43052 & 230139

* NARVEKAR CHAMBERS, NEAR CENTRAL BANK,
MAPUSA, GOA. C/o 263234

Let's Create A Greener Environment

FOR YOUR FARMS AND HOME GARDENS:

We have vegetables, flower & fruit seeds, fodder grass seeds, green manure seeds, hedge seeds, books, tools, implements & shading net, moss sticks, lawn seeds, cocopeat organic manures & vermicompost, Soilrite, sprayers, sprinklers, plant tonics & plant food, plastic pots & all your other garden requirements.

FOR YOUR FLORAL REQUIREMENTS:

Fresh flowers, bouquets & other floral arrangements, Church decoration, stage decoration, etc.

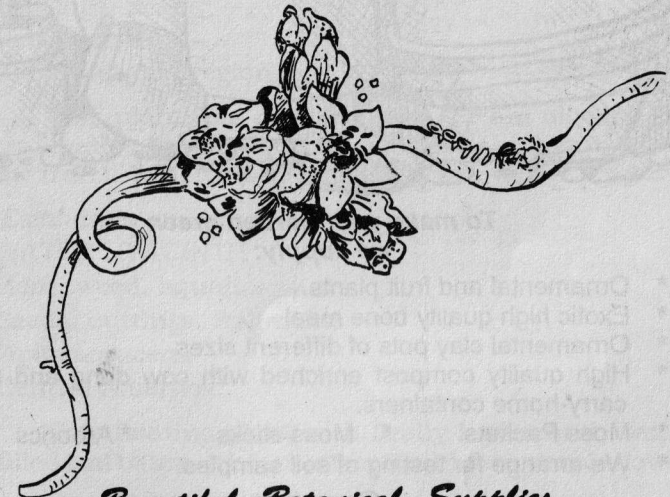
SAY IT WITH FLOWERS DELIVERY SERVICE:

Send your message with flowers - throughout Goa, Bombay, Bangalore & Pune under franchise of Indo Flora and Aeroflora.

' Come and grow with us '

GREEN VALLEY

(Nursery)



Bountiful Botanical Supplies

Dantas Residence,
Mazalvaddo, Assagao,
Bardez, Goa.
Ph. No. 252083



To make your garden green
we supply:

- * Ornamental and fruit plants.
- * Exotic high quality bone meal
- * Ornamental clay pots of different sizes
- * High quality compost enriched with cow dung and in carry-home containers.
- * Moss Packets. * Moss sticks * Arborics
- * We arrange for testing of soil samples.

Contact

Mr. Francis Noronha Ph. 220612
PLANTS & FOODS

Eesh Kripa Bldg.
Near Gomantak Press
St. Inez, Panjim Goa 403 001

Cuttings, seeds
Agavaceae
Tropical countries

This plant has attractive red or cream and green grass-like leaves and is widely used as an ornamental plant along with crotons.

92. *Duranta plumeiri*

Grinalde

ROSARY BEAD TREE, DURANTA

Shrub, 1 to 5 metres tall

Cuttings, Seeds

Verbenaceae

Indo-Malaysia region.

This plant has green, golden, cream or variegated leaves, mauve to pale blue flowers and shining, bead-like yellow fruits. Widely used a hedge plant.

93. *Eichhornia crassipes*

WATER HYACINTH

Herb, weed, aquatic.

Seeds, cuttings, fragments

Pontederiaceae

Central America.

Free-floating plant with fleshy leaves and swollen, air-filled leaf bases. It bears attractive blue to purple flowers.

94. *Elaeis guineensis*

Tel maad

RED OIL PALM

Palm, 10 to 20 metres tall

Seeds.

Palmae

Tropical America & Africa

The hybrid of Dura and Pisifera oil palms is known

as Tenera oil palm. The soft pulp covering the nut is rich in oil commonly known as palmolein.

95. *Elettaria cardamomum*

Velchi, Elaichi

CARDAMON

Herb, 2 to 3 metres tall

Seeds, Tissue culture

Zingiberaceae

India

Cardamon grows into a clump and bears flowers/capsules just above ground level. It is a popular flavouring agent.

96. *Eleusine coracana*

Nachini, Ragi

FINGER MILLET

Grass, 30 to 70 cm tall

Seeds

Poaceae (Graminae)

India and Africa

It is an important cereal crop rich in calcium. The grain resembles mustard seed.

97. *Entada scandens*

Garbi

TARZAN VINE, ST. THOMAS BEAN

Vine, woody

Seeds

Leguminosae (Papilionaceae)

Tropical Africa & Asia

The vine grows from tree to tree after climbing along the trunk of one tree. It bears large pods with hard, maroon to brown woody, large seeds.



Abolim
Crossandra sp



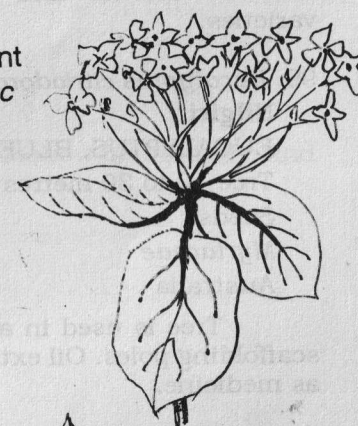
Croton
Codiaeum Variegatum



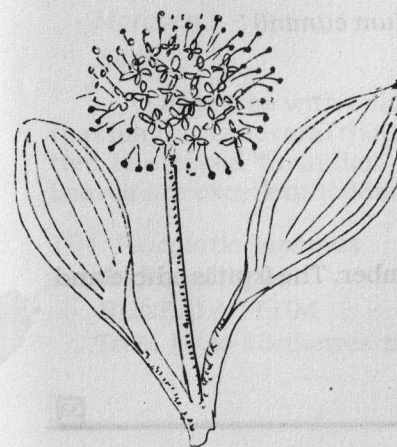
Rubber Plant
Ficus elastic



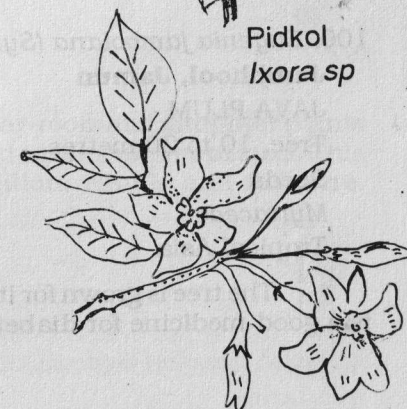
Gerbera
Gerbera jamesoni



Pidkol
Ixora sp



Blood Lily
Haemanthus sp



Mogra
Jasminum sambac

98. *Erythrina suberosa*

Pongaro, Pangra, Madar

CORAL TREE

Tree, 10 to 20 metres tall

Seeds

Leguminosae (Papilionaceae)

Tropical Asia

The large leaves are used as fodder. The trunk is used as support for pepper vines. It has attractive red flowers and is used as an ornamental. Seeds are brown in red flowered varieties and creamy white in white flowered varieties.

99. *Eucalyptus citriodora*

Nilgiri

EUCALYPTUS, BLUE GUM TREE

Tree 10 to 30 metres tall

Seeds

Myrtaceae

Australia

Tree is used in afforestation, pulp making and for scaffolding poles. Oil extracted from its heart wood is used as medicine.

100. *Eugenia jambolana (Syzygium cumini)*

Jambhool, Jamun

JAVA PLUM

Tree, 10 to 20 metres

Seeds

Myrtaceae

Tropical Asia

The tree is grown for its timber. The fruit is edible and is a good medicine for diabetes.

101. *Eupatorium maculatum*

Indira, Congress

SMOKE WEED

Herb 1 to 2 metres tall

Seeds, cuttings

Compositae

Central America

It is a severe weed in the entire Western Ghats. Seen on roadsides and in plantations

102. *Euphorbia pseudocactus*

Nival Kantem, Nivol

Herb, thorny 2 to 3 metres tall

Euphorbiaceae

Tropical Asia

It is used as a live fence for cashew plantations, and hillside gardens.

F

103. *Ficus benghalensis*

Vod, Vad, Bargad

BANYAN TREE

Tree, large, spreading

Seeds, cuttings

Moraceae

India

Large tree with columnar roots and daughter plants that may cover several thousand square metres of land. This tree is steeped in Indian tradition, rituals and folk lore. Leaves are excellent fodder.

104. *Flacourtia jagomas*

Jagam, Jogma

RUNEALA PLUM

Tree, 10 to 15 metres tall

Seeds

Flacourtiaceae

Tropical Asia & Africa.

The deep red-brown fruit is relished by children. The many seeded fruits mature during October-November.

G

105. *Gaillardia pulchella*

BLANKET FLOWERS

Herb 20 to 50cm tall

Seeds

Compositae

North America

This is an easy to grow plant that has great potential for use as cut-flower around the year

106. *Garcinia indica*

Bhirand, Bindam, Kokum

BRINDONNE

Tree, 5 to 15 metres tall

Seeds, grafts

India

The fruit pulp can be eaten. The thick rind is used in syrups, jams, jellies, wines. Dried rind is used to make sol-Kadi, a digestive drink. The seed oil is called Goa Butter or Bindell. It is edible and used in medicine for muscular pains.

107. *Glyricidia septium*

MADRE

Shrub, 2 to 5 metres tall

Seeds, cuttings

Leguminosae (Papilionaceae)

Tropical America

This shrub is used for live fences and serves as a good source of green leaf manure. Bears mauve flowers in clusters during December-January.

108. *Gmelina arborea*

Shivan

WHITE TEAK, BUSH BEECH

Tree, 10 to 20 metres tall

Seeds

Verbenaceae

India and Pacific Islands

The timber is light weight and used for yokes or furniture. The fruits are eaten by animals.

109. *Gloriosa superba*

Wagnak, Languli

GLORY LILY

Vine, soft stemmed

Seeds, tubers

Liliaceae

Tropical Asia

This climber sprouts up during the rains and bears beautiful flowers with red and yellow, claw-shaped petals. The root and the pods are poisonous but one is the antidote for the other. Used to control piles, leprosy and skin parasites.

110. *Gomphrena globosa*

Butao

BACHELOR'S BUTTON, GLOBE AMARANTH

Herb, 20 to 30 cm tall

Seeds

Amaranthaceae

India

The plant is cultivated for its purple, pink, orange or white ball-like flowers herds.

111. *Gypsophila elegans*

Gypso

BABY'S BREATH

Herb 20 to 40 cm tall
Seeds, Cuttings
Caryophyllaceae
Russia

The flowers are used in bouquets.

112. *Grewia micrococos*

Ansale, Chivram
Shrub 1 to 3 metres tall
Seeds
Tiliaceae
India

The raw fruits are used as ammunition for the "Fotas". The ripe fruits turn black and are enjoyed by children.

113. *Gladiolus primulinus*

Gladioli
Herb, 30 to 50 cm tall
Bulbs, corms
Iridaceae
Africa.

This is a widely grown seasonal plant for cut-flower spikes of many colours. The scented gladioli or Orchid Gladioli belong to *Acidanthera bicolor* of the same family.

H

114. *Haemanthus multiflorus*

BLOOD LILY, FOOTBALL LILY
Herb 30 to 50 centimetres tall
Bulbs
Amaryllidaceae
Tropical Africa.

The blood red, bristled, football shaped lily grows naturally during monsoons in Goa

115. *Heliconia brasiliensis*

Kulleche Dange
CRAB'S CLAWS
Herb, 1 to 3 metres tall
Heliconiaceae (Musaceae)
Brazil

The plant resembles that of banana and its inflorescence is used as a cut-flower.

116. *Hevea brasiliensis*

PARA RUBBER
Tree, 10 to 20 metres tall
Seeds, stumps or cutting
Euphorbiaceae
Brazil (Amazon basin)

This tree has replaced *Ficus elastica* as the primary source of natural rubber.

117. *Hibiscus rosa-sinensis*

Doshin, Dashwanti
SHOE FLOWER
Shrub, 2 to 5 metres tall
Cuttings, layers, grafts
Malvaceae
India & china.

Shoe flower petals are an edible salad dressing. They also yield a hair dye, a boot polish and an acid-base indicator.

I

118. *Impatiens sultani*

Chiddo, Sempre Noiva
PATIENT LUCY, BUSY LIZZIE
Herb, 30 to 50cm tall.
Seeds, cuttings

Balsaminaceae

Central Africa.

This is a round the year, free-flowering, soft-stemmed plant that is grown in pots placed in partial shade.

119. *Ipomoea batatas*

Konongi, Konga

SWEET POTATO

Vine, soft stemmed

Vine cutting, tubers

Convolvulaceae

West-Indies

This vine is cultivated during winter for its tubers. Vine cutting are maintained in coconut gardens during monsoon period for fresh planting after paddy harvest. New varieties introduced in 1994 yield tubers during rainy season also.

120. *Ipomoea tricolor*

MORNING GLORY, HEAVENLY BLUE

Vine

Seeds

Convolvulaceae

Mexico.

This vine bears beautiful blue flower. Seeds contain LSD, a powerful hallucinogen.

121. *Jacaranda mimosaeifolia*

JACARANDA

Tree, 10 to 15 metres tall

Seeds

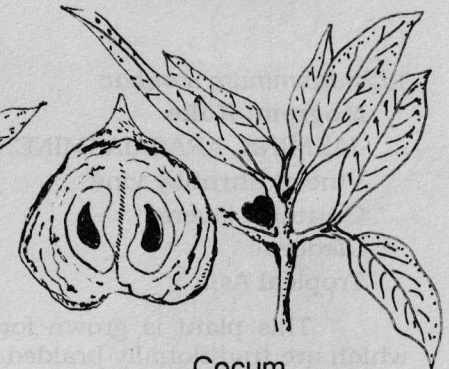
Bignoniaceae

Tropical south America

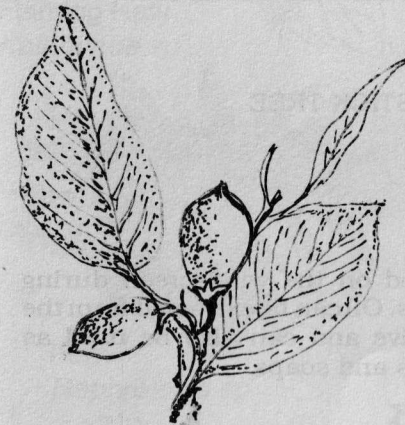
Tree resembles the Gulmohur but bears purple to lilac flowers in January.



Jagama
Flacourtia jagamas



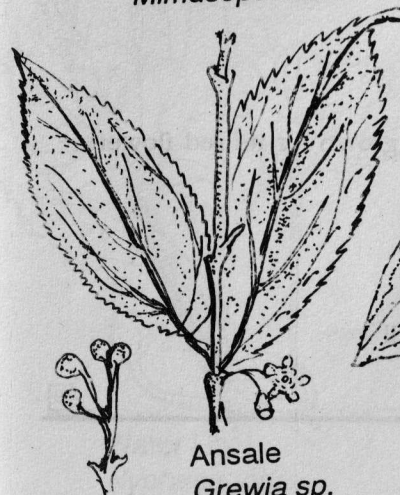
Cocum
Garcinia indica



Adao
Mimusops kauki



Nutmeg
Myristica fragrans



Ansale
Grewia sp.



Pepper
Piper nigrum

122. *Jasminum sambac*

Mogrem, Kolle
JASMINE, ARAB JASMINE.
Vine or shrubby vine
Cuttings, layers
Oleaceae
Tropical Asia

This plant is grown for its fragrant white flowers which are traditionally braided as hair adornment.

123. *Jatropha curcas*

Erenne
PURGING NUT, CANDLESTICK TREE
Shrub 1 to 3 metres tall
Seeds, cuttings
Euphorbiaceae
Tropical Asia.

The leaves are rubbed on the windscreen during monsoon to clear it of haziness. Oil can be extracted from the seeds. It is a strong purgative and can also be used as lubricant, for making candles and soaps.

K

124. *Kalanchoe blossfeldiana*

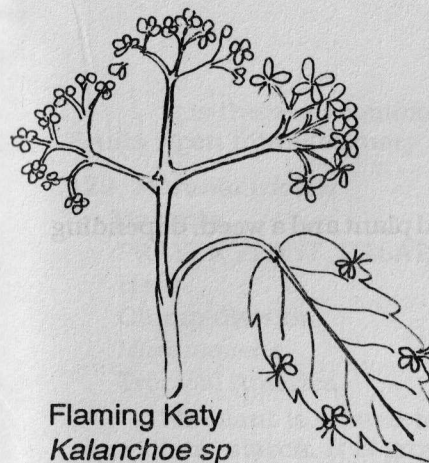
FLAMING KATY
Herb, 30 to 50cm tall.
Leaf cuttings
Central America.

This succulent plant is grown for its red flowers.

L

125. *Lantana camara*

Ghanerem
LANTANA
Shrub, 30cm to 3 metres tall



Flaming Katy
Kalanchoe sp



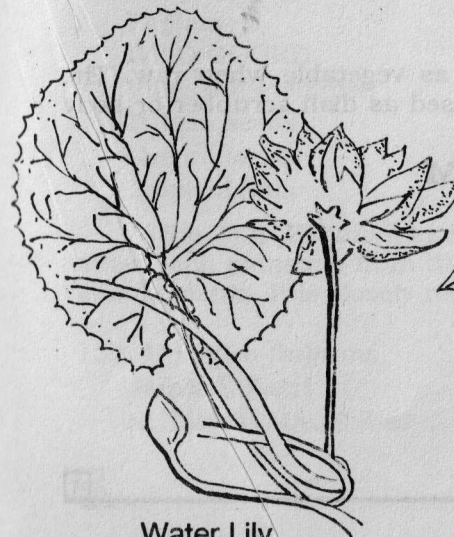
Busy Lizzie
Impatiens sultani



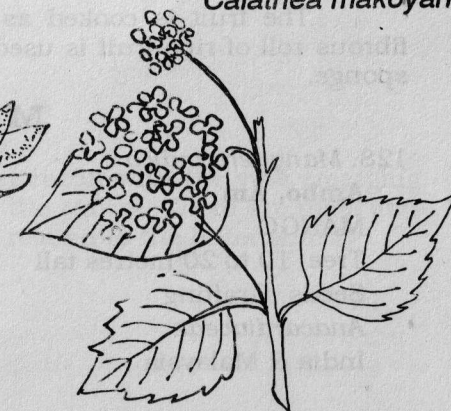
Fern
Nephrolepis sp



Maranta
Calathea makoyana



Water Lily
Nymphaea lotus



Lantana
L.camara

Seeds, cuttings
Verbenaceae.
Tropical America

It is both an ornamental plant and a weed, depending on its management and need.

126. *Leucaena leucocephala*

Subabool
IPIL-IPIL, ACACIA
Tree, 5 to 15 metres tall
Seeds
Leguminosae (Mimosaceae)
Polynesia and Australia

This tree has compound leaves like the touch-me-not. Leaves and green pods are a high-protein fodder for cattle. Wood is a good fuel.

127. *Luffa cylindrica*

Marte Gosalem
SPONGE GOURD, LOOFAH
Vine
Seeds
Cucurbitaceae
Tropical Asia & Africa

The fruit is cooked as vegetable when raw. The fibrous roll of ripe fruit is used as dish scrubber or body sponge.

M

128. *Mangifera indica*

Ambo, Am
MANGO
Tree, 10 to 20 metres tall
Seeds, Grafting
Anacardiaceae
India & Malaysia

It is the most commonly cultivated fruit tree in Goa. Fruits ripen from February to August.

129. *Maranta tricolor*

Maranta
PRAYER PLANT, CALATHEA
Herb
Clump division
Marantaceae
Tropical America

This plant is related to the arrowroot and the tubers are rich in starch. It is grown as a leaf ornamental.

130. *Mimusops kauki*

Adao,
MANILKARA
Tree, 10 to 30 metres tall
Seeds, grafting
Sapotaceae
Malaysia & Polynesia.

This tree is closely related to the chickoo and has edible fruit.

131. *Momordica dioica*

Faglam
WILD GOURD
Vine, soft stemmed
Tubers seeds
Cucurbitaceae
Tropical Asia

This is a perennial cucurbit with the vine emerging anew each monsoon from the tubers. There are male and female plants. It is closely related to the bitter gourd.

132. *Myristica fragrans*

Jaiphal, Patri
NUTMEG, MACE

Tree, 5 to 10 metres tall

Seeds, Grafting

Myristicaceae

Moluccas & Indonesia

This spice tree is normally grown in arecanut plantations.

133. *Nephrolepis exaltata*

FERN

Herb, 10 to 50 cm tall

Spores, clump division

Polypodiaceae

Tropical Asia

Ferns grow well in humid areas., like areca plantation and wells.

134. *Nerium oleander*

Mistis, Kaner

OLEANDER

Shrub, 1 to 5 metres tall

Cuttings, seeds

Apocynaceae

Mediterranean region

It is grown as an ornamental plant for its pink or red flowers. Its roots are poisonous and are used for abortions and rat control alike.

135. *Nymphaea lotus*

Salkam

WATER LILY, LOTUS

Herb, aquatic

Seeds, rhizome division

Nymphaeaceae

Tropical Asia

Red, white and pink flowered lilies are often seen in tanks, ponds and paddy fields during monsoons. Plant

survives and flowers around the year in shallow, muddy water.

O

136. *Opuntia comanchica*

Pathem

CAT'S PAW CACTUS

Herb, Succulent 1 to 3 metres tall

Stem sections, offsets.

Cactaceae

Mexico

This thorny cactus is used as a live fence or as an ornamental. It is integral to the sand dunes on the beach. The red fruit are roasted over hot coals and the juice used to treat whooping cough.

137. *Oryza sativa*

Bath, Tandu

RICE, PADDY

Herb, Grass 0.5 to 1 metres tall

Poaceae (Graminae)

Tropical Asia and Africa.

It is the most commonly grown cereal crop in Goa and forms the staple diet.

138. *Passiflora edulis*

Krishna Kamal

PASSION FRUIT, GRENADILLA

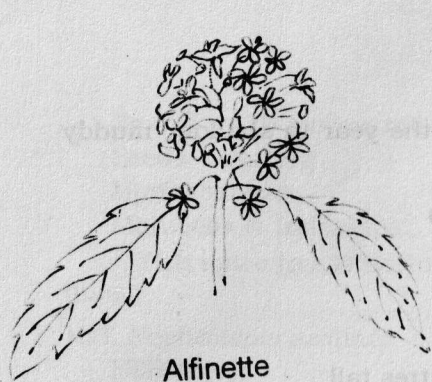
Vine, Perennial

Seeds, Cuttings

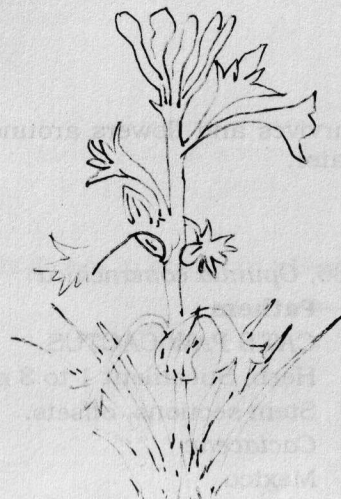
Passifloraceae

Brazil

The fruit juice has a flavour similar to pine-apple. It is used in juices and syrups.



Alfinette
Pentas



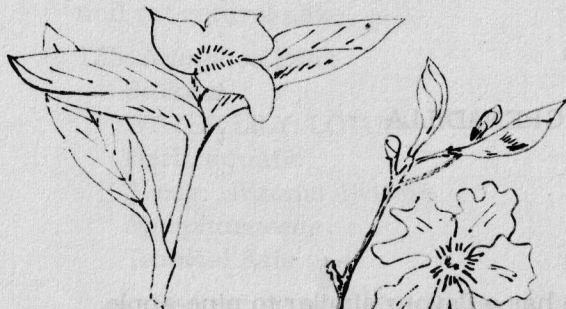
Rajnigandha
Polianthes tuberosa



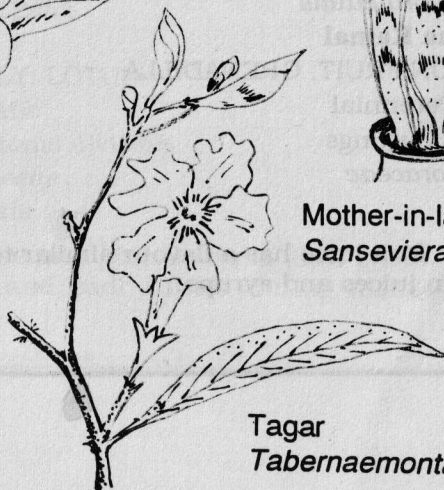
Preperomia
Peperomia sp.



Mother-in-law's Tongue
Sansevieria sp.



Purple Heart
Setcreasia sp.



Tagar
Tabernaemontana indica

139. *Phyllanthus emblica*
Avande Aonla, Amla
 EMBELLIC, MYROBOLAN
 Tree 5 to 15 metres tall
 Seeds
Euphorbiaceae
 Tropical Asia, India.

The fruit is rich in vitamin C. It is used in pickles or eaten fresh.

140. *Piper nigrum*
Miriam, Miri
 BLACK PEPPER
 Vine, Climber
 Cuttings, Seeds
Piperaceae
 India & Malaysia

This spice is grown on arecanut, coconut, mango or *Erythrina* plant.

141. *Polianthes tuberosa*
Rajnigandha
 TUBEROSE
 Herb, half to one metre tall
 Bulblets, Clump division.
Agavaceae
 Mexico

The single petalled varieties are smaller but more fragrant than the double petalled varieties.

142. *Psidium guajava*
Peru, Amrud

GUAVA, POOR MAN'S APPLE

Tree, 2 to 10 metres tall

Grafts, seeds

Myrtaceae

Peru, Mexico

Very common fruit in Goa.

143. *Quisqualis indica*

Kolvant

RANGOON CREEPER

Vine

Clump division

Combretaceae

India - Malaysia

This creeper grows vigorously and can be trained on walls, pergolas, trellis etc. It produces scented flowers which are white with shades of pink. It flowers throughout the year with heavy blooms in summer and the rains.

144. *Raphanus sativus*

Mulo

RADISH

Herb

Seeds, Direct sown

Brassicaceae (Cruciferae)

Temperature Europe

Radish is rich in vitamin A, B & C. It is good for those suffering from piles, jaundice and enlarged spleen. It also stimulates appetite.

In Goa, radish is normally grown from October to February.

145. *Roystonea regia*

BOTTLE PALM

Palm 5 to 20 metres tall

Seeds

Palmae

West Indies.

Royal palm is one of the stateliest of all palms.

It is commonly planted in parks and also for creating graceful avenues.

146. *Selaginella martensii*

BLUE FERN, PEACOCK FERN

CLUMP DIVISION.

Selaginellaceae

Mexico

These plants are often mistaken for ferns. Some varieties grow erect though these are generally trailing plants. The stem produces stilt roots that grow down to the soil.

147. *Solidago canadensis*

Bangarachi conshi

GOLDEN ROD

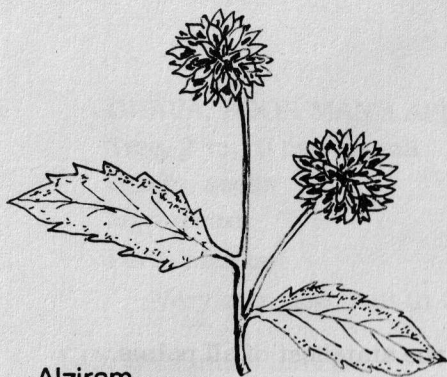
Herb 20 to 50 cm tall

Clump division, Seeds

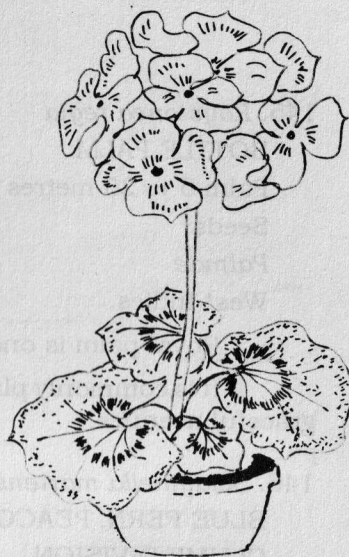
Compositae

Canada

The flowers are small, golden yellow and found in terminal clusters giving it a plume like appearance. The shrub flowers through the year. The cut flowers are used in bouquets and floral vase arrangements.



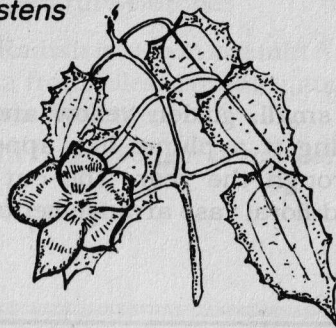
Alziram
Zinnia elegans



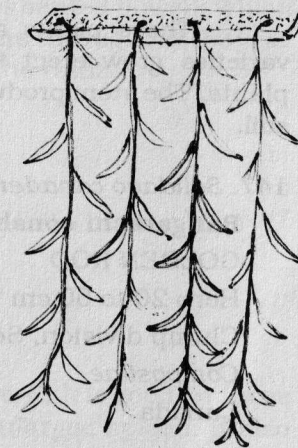
Begonia
Begonia sp



Golden Trumpet
Tecoma stans



Heavenly Blue
Thunbergia grandiflora



Curtain Creeper
Vernonia scandans

148. *Semecarpus anacardium*

Bibo, Bhilawa

MARKING NUT

Tree, 5 to 15 metres tall

Anacardiaceae

Tropical Asia

The tree is leafless from February to April. The fruit is long, somewhat flattened and black when ripe. The rind of the hard nut abounds in an oil which is bitter and causes blisters on the skin. The juice of the fruit is use for varnish paint and plastic industry. The inner flesh is edible.

149. *Solanum melongena*

Vaingem, vaingim

BRINJAL, AUBERGINE, EGG PLANT

Seeds, Transplanted

Solanaceae

Native of India

Brinjal is a very popular vegetable in Goa. It has a lot of medicinal properties. It improves appetite, enriches blood and cures tooth-ache. It has adverse effects on piles, asthma, bronchitis and bladder stones.

The brinjal is cultivated for its fleshy fruits which are mainly purple, green and off-white in colour.

The plant can be grown as perennial. They can also be grafted on to wild brinjal root stocks.

150. *Spathyphyllum wallisii*

OIL-CLOTH FLOWER, PEACE LILY

Herb, 20 to 50 cm tall

Suckers, seeds

Araceae

Tropical America

The flowers of this plant resemble the Anthurium and hence this plant is often mistaken for it.

151. *Syzygium aromaticum*

Lavang, Calapur

CLOVE

Tree, 5 to 25 metres tall

Seeds, Grafting

Myrtaceae

Tropical Asia

Clove is the unopened, mature dried flower bud of the clove plant.

152. *Tabernaemontana indica*

Anant, Nenti, Santo Anton

TAGAR

Shrub, 1 to 2 metres tall

Cuttings

Apocynaceae

Tropical Asia & America

The flowers are pure white, single or double petalled and possess a delicate fragrance. The corolla takes the form of a small cylindrical tube opening into a number of distinct petals, which are rather flat, fleshy and arranged overlapping one another.

153. *Tamarindus indica*

Chinch, Amsann

TAMARIND

Tree, 10 to 20 metres tall

Seeds

Leguminaceae (Mimosaceae)

Sudan

Tamarind is large tree with spreading branches. Initially, it is slow growing, but has a long life of over 200 years. It has fine leaflets which are sour in taste. The fruits are curved pods which are greenish brown. The pods are harvested in January-February and the seeds are removed after sun-drying. These brown pods are used in curries, sauces and "amte" which is eaten with roasted pork.

154. *Thevetia peruviana*

Pivla Kaner, Kaner

Yellow Oleander

Shrub, 1 to 5 metres tall

Cuttings, Seed

Apocynaceae

West Indies

The flowers are yellow, bell-shaped fragrant and seen throughout the year.

155. *Zanthoxylum rhetsa*

Tirphal, Teifol, Chirphal

Tree 5 to 15 metres tall

Seed, transplanted

Rutaceae

India

The unripe fruit of these trees are used to give a distinct flavour to Goan curries.

156. *Zinnia elegans*

Alziram

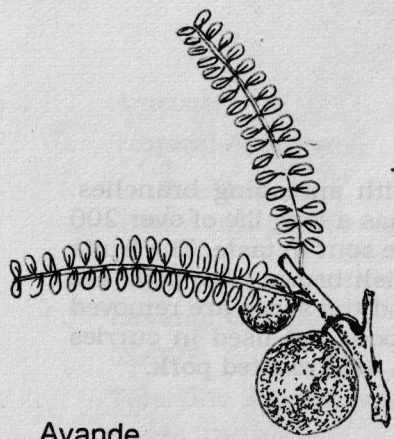
Zinnia

Herb, 20 to 50cm tall

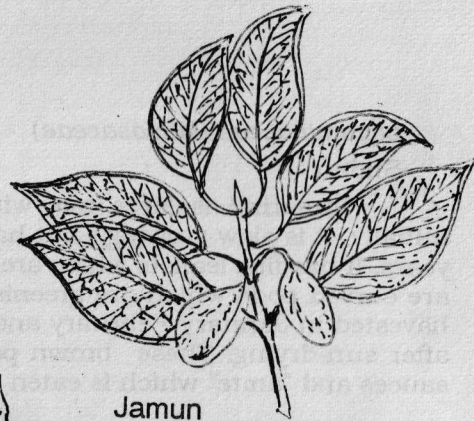
Seeds

Compositae

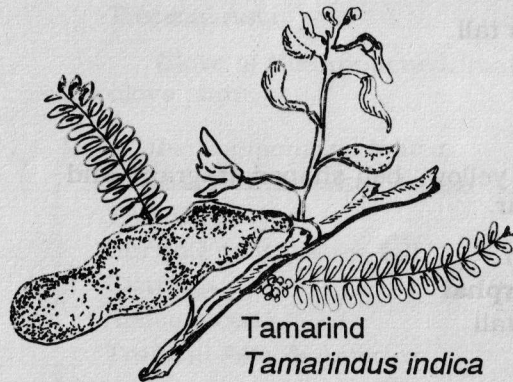
Zinnias are commonly noticed during monsoons in



Avande
Phyllanthus emblica



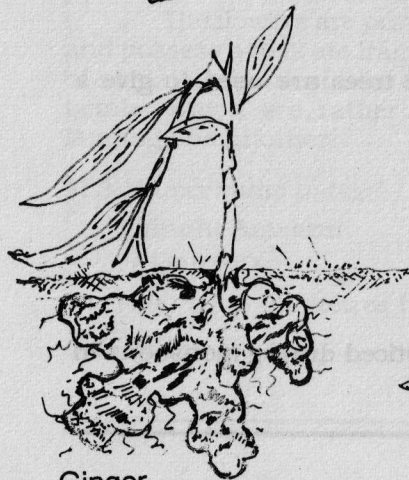
Jamun
Syzygium cumini



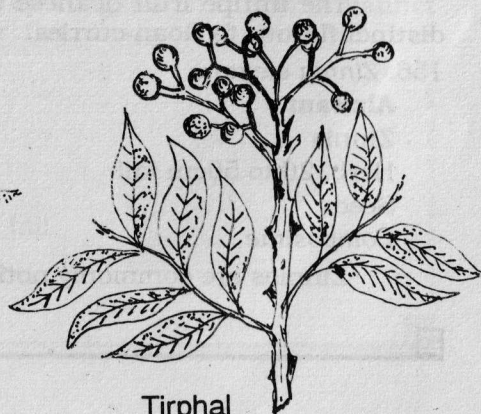
Tamarind
Tamarindus indica



Churna
Zizypus rugosa



Ginger
Zingiber officinale



Tirphal
Zanthoxylum rhetsa

gardens. There are tall and dwarf varieties ranging from fifteen centimetres to a metre in height. The leaves are ovate and are directly attached to the stem.

157. *Zizyphus mauritiana*

Ber, Bor, Boram

JUJUBE

Tree . 5 to 10 metres tall

Rhamnaceae

India, Tropical Africa

Ber is rich source of vitamin C and fruit sugar. It is also a source of Vitamin A and iron.

*We enjoy our festivals when we are free
and we work hard when
we have commitments to honour*

*Besides, for temples, churches and beaches
Goa is now known for massive socio-economic monument
build by its people with scientific planning*

*Blessed by nature's bounties
Goa has earned recognition
For its contribution in the nation building task.*

ISSUED BY:

**DEPARTMENT OF INFORMATION
AND
PUBLICITY,
GOVERNMENT OF GOA.
PANAJI - GOA.**

**WE ARE PROUD TO HAVE BEEN THE STUDENTS OF
ST. BRITTO HIGH SCHOOL MAPUSA - GOA.**

CLASS OF 1950-59

Carminho Costa (1953 - 54)
Builder
Altinho, Mapusa
Phone: 262517

CLASS OF 1960 TO 69

Rosario Furtado (1964 - 65)
Business
C/o Stall No 49, Municipal Market
Mapusa - Goa.

Belarmino D'Cunha. (1965-66)
Bastora - Bardez - Goa

II. CLASS OF 1970 - 79

Isaac Fernandes (1969-70)
Sodiem - Siolim Goa - 403513
Ph. 299339 (R)

Vasco I. Ricardo
C/o Jose Dias, Near Swiss Chapel, Mapusa Goa.
Ph. 605136 (R) 299245 (O)

Michael D'Silva (1971-72)
Sesa Goa
Opp. St. Joseph Bakery, Khorlim Mapusa
Ph. 299339 (O)

Annibal Mendes (1974-75)
Nagoa Bardez Goa

Anthony Braganza
Business
St. Joseph Bakery, Khorlim Mapusa - Goa
Ph. 262651

Silverio Florence Dias (1973-74)
H.No 12/74, Khorlim Mapusa - Goa Ph. 260163

Miguel (Michael) Braganza (1975-76)
Agriculture Officer Ph. 42243, 45910(O), 250319 (R)
E5/9 Near the Court, Mapusa- Goa

Americo (Ricky) Noronha (1976-77)
Computer Educator
H.No.. 784, Near Lourdes Convent, Saligao Goa 403511
Ph. 605136 (R)

Sandip Azrencar (1977-78)
Industrialist
Near Police Station, Ansabhat Mapusa Goa Ph. 262362 (R)

Joseph Mascarenhas. (1977 - 78)
ITI Instructor
5/85, Feira Alta, Mapusa - Goa

Frederick (Rico) Noronha (1978-79)
Journalist
784, Near Lourdes Convent, Saligao Goa 403511
276190 (R) E- Mail N. Fred. Noronha @ access. net in

Wringo Azavedo (1978-79)
12/49 Khorlim, Mapusa Goa Ph. 262416

Cosmas S. D'Souza (1979-80)
Sesa Goa, Engineer
Sirsaim Bardez Goa
(Ph.299339)

CLASS OF 1980 TO 89

Ashley Pereira (1982-83)
12/70 Near St. Sebastian Chapel
Khorlim - Mapusa

Lovel Pinto (1984-85)
12/E-17 Khorlim, Mapusa
251167 (R) Ph. 263105 (O)

Merwyn Fernandes (1985-86)

Feira Alta, Mapusa, Behind Altinho Apartments.
Ph. 299245 (O)

Alint Coelho

Anandi Apartments, Feira Baixa, Mapusa - Goa.
Ph. 251315 (R)

Malcolm D'Souza (1987-88)

Near Vrindavan Hospital, Peddem Mapusa
Ph. 252308

Tony D'Souza (1987-88)

Sesa Goa
388/58 Sodiem, Siolim - 403513 Goa

Chidambar Joshi (1987-88)

C/o Neri D'Mello, Peddem, Mapusa
Ph. 299245 (O)

Savio Peter Pinto (1987-88)

12/80 Khorlim, Mapusa Goa
Ph. 250866 (R)

Joseph Fernandes

12/124 Khorlim, Mapusa - Goa

Conrad Vaz

P.V. Vaz, Khorlim Mapusa
Ph. 262277 (R)

CLASS OF 1990-95

Anselm S. Fernandes (1994-95)

12/E66, Khorlim, Mapusa - Goa
Ph. 252491 (R)

GLOSSARY

Abolim	CROSSANDRA	79
Adao	MANILKARA	130
Aduso	ADULSA, VASACA	9
Alem	GINGER	SKETCH
Alfuli	PEACOCK FLOWER	48
Alziram	ZINNIA	156
Ambo	MANGO	128
Ananes	PINEAPPLE	23
Ananth	TAGAR	152
Anth	CUSTARDAPPLE	24
Ansale	GREWIA	112
Avande	EMBELLIC	139
Apto	ASPARAGUS FERN	31
B		
Babool, Bengali	ACACIA	3
Babool,	GUM ARABIC	2
Bael	BAEL	10
Bedo-maadi	BETELNUT	28
Begonia	BEGONIA	42
Beth	CANE	51
Bhavo	LABERNUM	66
Bhendo	LADYFINGER	1
Bhirand	GARCINIA	106
Bibo	MARKING NUT	148
Billo-maad	FISHTAIL PALM	65
Bimblim	TREE CUCUMBER	32
Bingtam	GROUND NUT	26
Bor	JUJUBE	157
Borkoi	JACKFRUIT	29
Botheh	ALLAMANDA	13
Brahmi	HYDRGOCOTYL	70
Butao	GOMPHRENA	110
H		
Caju	CASHEW	22
Calapur	CLOVE	151
Carvondam	CHERRY	64
Chiddo	BALSAM	36
Chiddo	IMPATIENS	118
Chidki-midki	CLUSTER BEANS	81
Chivram	GREWIA	112
Churna		158
Chinch	TAMARIND	153
Coleus	FLAME NETTLE	76
Cono	BAMBOO	38
Combo-Shenkro	PEACOCK FLOWER	48
Croton	ACALYPHA	7
Croton	CROTON	75

D		
Dev Kelmo	CANNA	58
Doshin	SHOE FLOWER	117
Durvo	NUTGRASS	84
Dutro	DATURA	86
E		
Elaichi	CARDAMON	95
Erenne	CANDLE TREE	123
F		
Faglam	GOURD	131
Ful-Kobi	CAULIFLOWER	45
Ful-terem	ANTHURIUM	25
Fulvelchi	GINGERLILY	18
G		
Ganjan	LEMONGRASS	83
Garbi	TARZAN VINE	97
Gevedeh	SWORDBEAN	57
Godde	KNOLHOHL	46
Ghanerem	LANTANA	125
Gladioli	GLADIOLI	113
Grinalde	DURANTA	92
Guar	CLUSTER BEANS	81
Gypso	BABY'S BREATH	111
H		
Halad	TURMERIC	80
Hariyali	NUTGRASS	84
Hirvi Sanvor	SILK COTTON	69
J		
Jai	JASMINE	122
Jaiphal	NUTMEG	132
Jagma	RUNEALA PLUM	104
Jambhool	JAVA PLUM	100
K		
Kachnar	BAUHINIA	40
Kailaspati	CANNON BALL	78
Kaju	CASHEW	22
Kando	ONION	14
Kantam	CHERRY	64
Kaner, Pivla	YELLOW OLEANDER	154
Kaner	OLEANDER	134
Kante Kuvor	ALOE	17
Karane	AIR POTATO	89
Kari	AVICINIA	34
Kapus	SILK COTTON	44,69
Karmal	CARAMBOLA	33
Karmal	ELEPHANT APPLE	88
Kath	CUTCH	5
Khair	CUTCH	5
Kobi	CABBAGE	45

Kodulimb	NEEM	35
Kokum	GARCINIA	106
Kole	JASMINE	122
Koleachi Shempdi	ACALYPHA	6
Kolvont	RANGOON CREEPER	143
Kongi	SWEET PTATO	119
Knolkohl	KNOL KOHL	46
Krishna Karmal	PASSION FRUIT	138
Kuhanlo	ASH GOURD	43
Kulleche Dange	CRAB'S CLAWS	115
Kumyo	PATNA OAK	62
L		
Languli	GLORY LILY	109
Limbu	LEMON	71
Losun	GARLIC	15
Losun-Vel	BIGNONIA	8
Lovong	CLOVE	151
Lovongi	CHILLI	61
M		
Maad	COCONUT PALM	
Maan	BAMBOO	38
Madar	CORAL TREE	98
Madar	CALATROPIS	55
Madi	ARECA	28
Madi	ALOCASIA	16
Mangustao	VELVET APPLE	90
Maranta	MARANTA	52,129
Marte Gosalem	SPONGE GOURD	127
Miriam	PEPPER	140
Mistis	OLEANDER	134
Mirsang	CHILLI	60
Mogrem	JASMINE	122
Mulo	RADISH	144
N		
Nab	KNOLKOHL	46
Nachini	FINGER MILLET	96
Nal	COCONUT	74
Nenti	TAGAR	152
Nilgiri	EUCALYPTUS	99
Nivol	EUPHORBIA	102
Nolina	PONY TAIL PLANT	41
Otma	LAKOOCHA	30
P		
Palas	BUTEA	47
Pathem	CAT'S PAW	136
Patri	NUTMEG	132
Peru	GUAVA	142
Piao	ONION	14
Popai	PAPAYA	63

Pongaro	CORAL FLOWER	98
Ponos	JACK FRUIT	29
R		
Ragi	FINGER MILLET	96
Rajinigandha	TUBEROSE	141
Rosam	CALENDULA	53
Rotam	CANE	51
Ruie	CALOTROPIS	55
S		
Salkam	LILY, LOTUS	135
Sant Anton	TAGAR	152
Santon	ALSTONIA	19
Sanvor	SILK COTTON	44
Sathwon	ALSTONIA	19
Shankasur	PEACOCK FLOWER	48
Shingdane	GROUNDNUT	26
Shinvtem	CHRYSANTHEMUM	72
Shisso	ROSE WOOD	85
Shivan	WHITE TEAK	108
Shuru	BEEFWOOD	68
Sisal	AGAVE	11
Subabool	LEUCAENA	126
Supari	BETEL NUT	28
Suran	YAM, ARUM	21T
T		
Talkuli	CASSIA	67
Tambdi baji	AMARANTH	20
Tandu	RICE	137
Teifol		155
Telmad	OILPALM	94
Tero	COLOCASIA	77
Tero	CALADIUM	50
Tikki	CINNAMON	73
Tottleballi	CRADLE CREEPER	59
Tur	PIGEON PEA	49
U		
Udh	BAMBOO	38
Uski	GETONIA	56
V		
Vaghanti	CRADLE CREEPER	59
Vaingem	BRINJAL	149
Velchi	CARDAMON	95
Velu	BAMBOO, GIANT	37
Vilayeti Salj	MANGIUM TEAK	4
Vod	BANYAN	103
Vomt	LAKOOCHA	30
Wagnak	GLORY LILY	109
Xinvtem	CHRYSANTHEMUM	72

Dear Plant Lover

come celebrate Nature with us at

FESTIVAL OF PLANTS AND FLOWERS

13 to 15 August annually since 1992
at SFX School Hall, Portavaddo, Siolim

You can help organise the festival.

Just call Shamira (Ph. 272257), Alex (Ph. 230139, 43052), Miguel (Ph. 42243, 45910) or write to us at Aframento Wadi, Siolim - 403513 Goa, at the onset of monsoons.

We have no committees, only committed volunteers.

PARTICIPATE IN THE COMPETITIONS

- * POTTED PLANTS (Ornamental, vegetables, etc)
- * FLOWER ARRANGEMENTS * ARBORICS
- * VEGETABLE CARVING * HOME GARDENS

Attend the lecture-demonstrations and talks:

Read our GREEN AID Series of books on vegetables, medicinal plants, spices, flowers and fruits.



GREEN HERITAGE

Grow with Plants

You need them. They need you.

"FARMER'S PROSPERITY OUR ENDEAVOUR"

We provide technical & financial support

For

* **FLORICULTURE** Rs. 1000/- per 1000 sq mts for plot planted with flower crops.

* **SPICES**

- Pepper as a intercrop in horticulture crops.
- Cardamon in Arecanut Rs. 1600/- for planting materials for 0.2 Ha for one year demonstration.
- Tree spices - 25 Nos nutmeg grafts at a maximum subsidy of Rs. 400/- towards cost of planting material for 0.2 Ha area.

* **IRRIGATION**

- Subsidy for wells, pumps, drip irrigation and sprinklers

* **GREENHOUSES**

- Subsidy for low cost polyfilm covered greenhouses.

PLANTING MATERIAL & SEEDS.

CONTACT US AT

TISWADI	PONDA	MARGAO	CANACONA	QUEPEM
286129	312119	720967	643066	650608

SANGUEM	MAPUCA	BICHOLIM	SATTARI
404253	262368	362128	374246

DIRECTORATE OF AGRICULTURE

PANAJI - GOA.

Phones: 42243, 45910, 46445.

PTA EXECUTIVE COMMITTEE

1995 to 1997

President

Fr. Abraham Painumkal, S.J.

Phone - 262 248

Chairperson

Mr. Indira Costa

Phone 262517

Vice - Chairperson

Mr. Arnold Saldanha

Phone 263 305

Secretary

Mr. Miguel Braganza

Phone 42243, 250319

Joint Secretaries

Ms. Lea Mathais

Phone 262 004

Ms. Yvette Pais

Phone 250 438

Treasurer

Mr. Narayan S. Bhadti

Phone 262 248

Asst. Treasurer

Mr. Simon Pereira

Phone 263 021

Members

Ms. Alcina O. Nazareth

Ph. 262151

Ms. Ann Rasquinha

Ph. 250727

Mr Jerry Braganza

Ph. 263130

Ms. Vizilia D'sa

Ph. 227668

Mr. P.V. Onsker

Ph. 252206

Mr. Michael D'Silva

Ph. 299339

Ms. Jyoti Sirsat

Ph. 263024

Ms. Arminda Sequeira

Ph. 262248