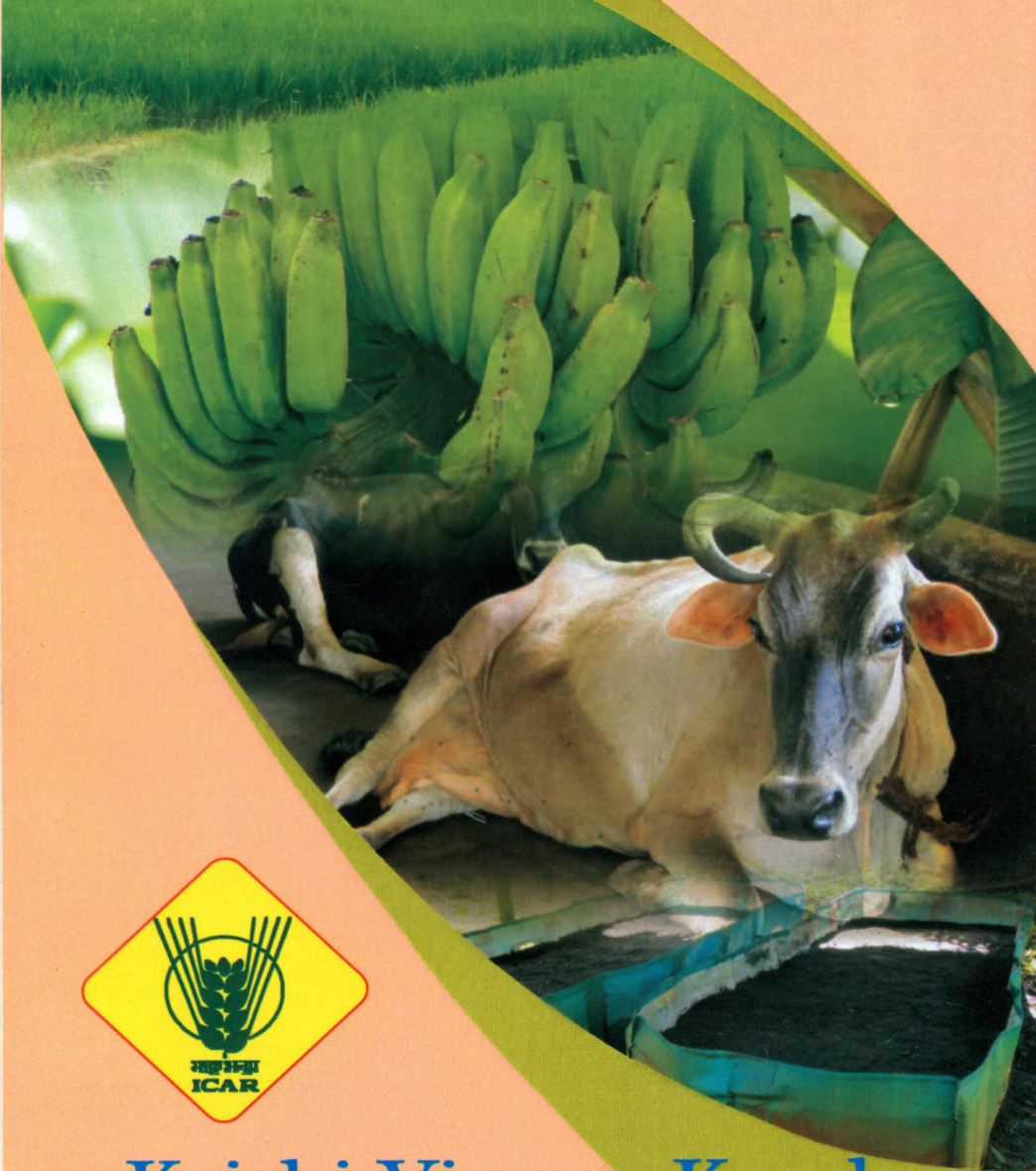


(Volume -II)

PROGRESSIVE FARMERS' DIARY



Krishi Vigyan Kendra
ICAR Research Complex for Goa
(Indian Council for Agricultural Research)

(Volume -II)

PROGRESSIVE FARMERS' DIARY



Krishi Vigyan Kendra

ICAR Research Complex for Goa

(Indian Council for Agricultural Research)

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FOREWORD

The Production and productivity of agricultural commodities has steadily increased after independence and now country is self sufficient in food grain production. However, there is huge gap in demand and supply of other agricultural commodities. There is still scope of improvement in production, productivity and quality for that farmers has to think out of box and diversify their agriculture system from traditional to advanced system to make agriculture a profitable and sustainable venture and do it in business mode. Farmers should shift to organic farming with high value crop cultivation as organically grown food items are in high demand and fetches 2-3 times more economic returns. The best way of organic farming is integration of livestock and production of bio inputs with agriculture production system. The agriculture and animal sectors could be made more profitable and sustainable enterprise by efficient conservation, utilization and recycling of natural resources such as soil, water, light, solar, wind and bio energy and plant bio diversity besides decreasing the cost on production intelligently.

There are number of deciding factors for the production, productivity and quality enhancement of the agricultural produce. Some of important factors are climate, soil, crop, variety, nutrient, water, weed, diseases insect pests management, sowing, harvesting time and methods, etc. Hence, farmers should select the crop and variety as per the climate and soil conditions of the area. Efficient and timely management of above biotic and abiotic factors to increase the yield quality and margin of profit and decrease the cost of production inputs are the major contributing attributes besides, farmers should gather market intelligence, keeping both the eyes on market for timely dispose of their produce at profitable sale rate.

The Homestead farming system approach is one of the best way to sustain the livelihood security of small and marginal farmers where farmers can integrate all the agricultural, horticultural, livestock and fisheries enterprises at a place in and around their home farm by which they can earn steady, daily income from one or another enterprises(s).

One important mode to replicate the technologies from farmers to farmers are documenting and publishing the farmers contribution. In this direction, the efforts being made by Dr. Raj Narayan, Programme Coordinator (KVK) and his team is appreciated in bringing out volume II of the "Progressive Farmers Diary" and I hope that this booklet will go a long way in changing the mind set of many of those who have misconception that agriculture a non remunerative sector and ultimately they will get attracted towards agriculture sector and emulate these progressive farmers and make it as main occupation instead of secondary or tertiary which is status today.

I hope that the users of this diary will get to know the valuable contribution of their fellow farmers in the State.

(Narendra Pratap Singh)

Agriculture is backbone of our country and main occupation of the rural people, about 68 % population of our country is still engaged in agriculture and allied sector business. Similarly, there is steady decrease in dependency of people on agriculture in Goa and now only about 16 % population is engaged in agriculture sector. This is negative trend for the state and country's economic growth and sustainability since agriculture is only way to sustain and forever economy development of the country including Goa State. In this direction four revolutions in agriculture and allied field such as Green revolution for cereals production, White revolution for milk production, Blue revolution for fish production, and Yellow revolution for oilseed production, have come up with great concerns and efforts of the scientists, technocrats, policy makers, extensioners and more so farmers and we are trying to achieve rainbow revolution very soon.

Of late, people are going away from the agriculture, reasons may be many, but mainly due to uncertainty, irregular income, unorganized market, low support prices, unavailability of quality inputs in time including agrarian reforms, and socio-economic factors in every state. Even though number of farmers cited examples, and created case studies and success stories by demonstrating that agriculture is profitable and contributed in the field of agriculture and agricultural economy with the adoption of scientific and economically viable agricultural technologies. The contribution of many of them have been documented and which ought to be a continuous process.

In this direction, our KVK team has collected the information of farmers extensively involved in agriculture and allied sectors and successfully sustaining their livelihood security through agriculture. They are sweating for sustaining the agriculture and proving it a profitable venture and prestigious sector and citing the examples for others

This publication "Progressive Farmers' Diary (Volume II)" is brought out to list the farmers and their agricultural activities so that youth/readers would get attracted towards farming and the "myth" that the agriculture is non profitable and non prestigious sector to be neglected. Ultimately, the white collar jobs are fast dwindling, the people would find the green color jobs more creative, challenging, healthy, environment friendly and more so remunerative.

I gratefully express my sincere thanks to Dr. Narendra Pratap Singh, Director, ICAR Research Complex for Goa for giving the idea and guidance and encouraging me to pilot and give a shape to this publication.

I am also thankful to Smt. Sunetra Talaulikar, SMS (Home Science) Shri HRC Prabhu, SMS (Plant Protection) Shri H.R. Prabhudesai, SMS (Agronomy) and Shri V.Y. Gaonkar, SMS (Horticulture) for their outstanding help in collecting the information and finalizing this manuscript.

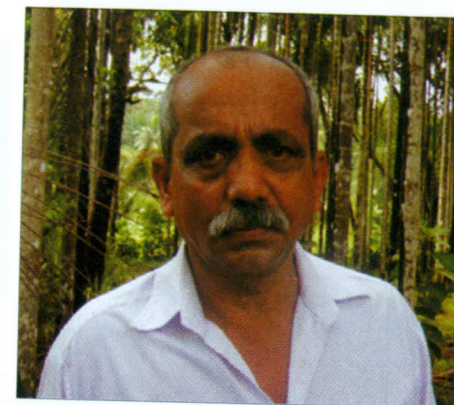
The author also acknowledge all those who contributed in bring out this publication especially and Shri Vishwajeet Prajapati, Computer Programmer for their kind help in typing and designing this Diary and also Miss. Tanuja Narvekar, Jr. Research Fellow in extending the help in collecting the information.

I hope the information contained in this booklet will be of great use to the youth/fellow farmers and readers in motivating and attracting them towards agriculture and overcome the myth that agriculture is non profitable and non prestigious occupation.

(Raj Narayan)

Shri Gurudas Parab

Age : 59 years
Education : X
Address : H.No.140,
 Varcha Wada
Village : Mencure
Taluka : Bicholim
District : North Goa
 (Goa) 403 504
Contact No : 9765223999



Land Holding : 22.25 acres
Farming Experience : 40 years
Crops Grown : Rice
 Coconut
 Cashew
 Arecanut
 Banana
 Chilli

Farming Situation / System :

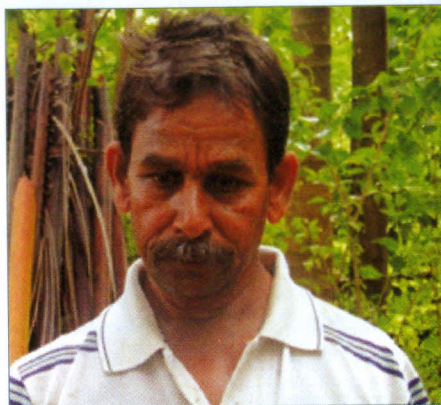
- Hilly, Plain, Irrigated
- Coconut based cropping system

Awards & Recognition : Founder member of Mauli Farmers Club, Mencure

Other Information : Farmer uses cow urine to manage the pest and bio dynamics as a source of nutrients.

Shri Ashok N. Naik

Age : 58 years
Education : IX
Address : H. No. 61
 Varcha wada
Village : Mencure
Taluka : Bicholim
District : North Goa
 (Goa) 403 504
Contact No : 8806583909



Land Holding : 0.75 acres
Farming Experience : 40 years
Crops Grown : Rice
 Coconut
 Cashew
 Arecanut
 Banana
 Capsicum
 Radish

Farming Situation / System :

- Hilly, Plain, Partially Irrigated
- Rice based cropping system
- Coconut based cropping system

Awards & Recognition : Member of Mauli Farmers Club, Mencure

Other Information : Farmers uses cow urine to manage the pest

Shri Tulsidas N. Parab

Age : 64 years
Education : V
Address : H. No. 134
 Madla wada
Village : Mencure
Taluka : Bicholim
District : North Goa
 (Goa) 403 504
Contact No : 0832-2210173



Land Holding : 0.38 acres
Farming Experience : 45 years
Crops Grown : Banana
 Arecanut
 Coconut

Farming Situation / System :

- Plain, Irrigated
- Banana based cropping system

Other Information : Covering banana bunches with banana dried leaves to avoid monkey damage.

Shri Laxman Rao D. Naik

Age : 36 years
Education : XI
Address : H. No. 71/1
 Varcha wada
Village : Mencure
Taluka : Bicholim
District : North Goa
 (Goa) 403 504
Contact No : 9673027239



Land Holding : 17.36 acres
Farming Experience : 15 years
Crops Grown : Cashew
 Coconut
 Teak

Farming Situation / System :

- Hilly, Plain, Irrigated
- Coconut based cropping system

Other Information : Plantation of teak as intercrop in cashew orchard

Shri Vaibhav M. Parab

Age : 33 years
Education : X
Address : H. No. 71
 Culam
Village : Amthane
Taluka : Bicholim
District : North Goa
 (Goa) 403 504
Contact No : 9921987676



Land Holding : 11 acres
Farming Experience : 5 years
Crops Grown : Sugarcane
 Cowpea
 Fodder grasses
Other Enterprises : Dairy
 (20 Jersey cows)
 120 ltr / day

Farming Situation / System :

- Plain, Irrigated
- Relay cropping system
- Dairy

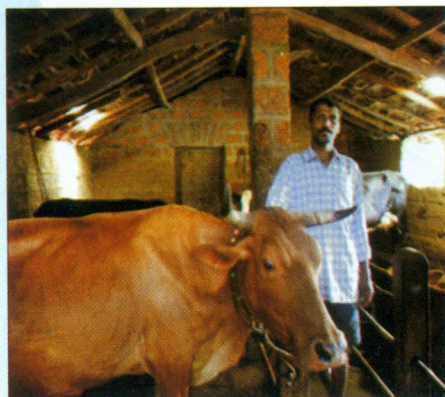
Awards & Recognition : Chairman of Amthane Farmers Club, Amthane

Other Information :

- First solar fencing in Bicholim Taluka.
- Sugarcane trash is used for mulching to conserve water and check the weed problems.
- Takes up groundnut and urid as intercrop during the initial stage of Sugarcane crop.
- Farmer has milking machine.

Shri Shantaram Raoji Naik

Age : 47 years
Education : VIII
Address : H. No. 29
 Culam
Village : Amthane
Taluka : Bicholim
District : North Goa
 (Goa) 403 504
Contact No : 9404913987



Land Holding : 0.75 acres
Farming Experience : 10 years
Crops Grown : Sugarcane
 Tuber crops
 Fodder grasses
 Vegetables
Other Enterprises : Dairy
 (6 Jersey cows)
 40 ltr / day

Farming Situation / System :

- Plain, Irrigated
- Sugarcane based cropping system
- Dairy

Other Information : Uses cow urine for managing the pests

Smt Anandi A. Naik

Age : 27 years
Education : X
Address : H. No. 27
 Culam
Village : Amthane
Taluka : Bicholim
District : North Goa
 (Goa) 403 504
Contact No : 8390881757



Land Holding : 2.5 acres
Farming Experience : 8 years
Crops Grown : Rice
 Coconut
 Cashew
 Mango
 Vegetables
Other Enterprises : Horticultural
 crops nursery

Farming Situation / System :

- Plain, Irrigated
- Rice based cropping system.

Other Information : Growing Anthurium in open condition under coconut interspaces.

Shri Mukesh M. Naik

Age : 36 years
Education : IX
Address : H. No. 22
 Culam
Village : Amthane
Taluka : Bicholim
District : North Goa
 (Goa) 403 504
Contact No : 9403271916



Land Holding : 49.5 acres
Farming Experience : 10 years
Crops Grown : Cashew
 Fodder grasses
Other Enterprises : Dairy
 (14 Jersey cows
 2 Murrah
 Buffaloes)
 100 ltr / day

Farming Situation / System :

- Plain, Irrigated
- Cashew based cropping system

Other Information : Growing fodder as intercrop under cashew plantation.

Shri Dilip Raoji Naik

Age : 41 years
Education : IX
Address : H. No. 27
 Culam
Village : Amthane
Taluka : Bicholim
District : North Goa
 (Goa) 403 504
Contact No : 9404454732



Land Holding : 1.0 acres
Farming Experience : 25 years
Crops Grown : Rice
 Cowpea
 Groundnut
 Coconut
 Vegetables
 Fodder grasses
Other Enterprises : Horticultural
 crops nursery

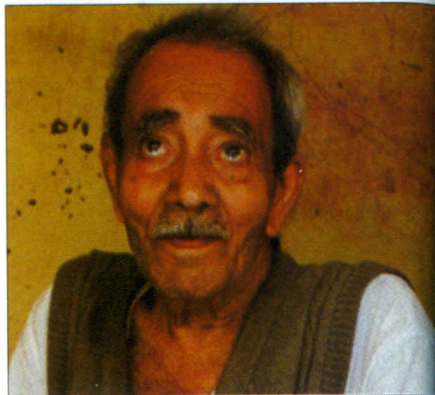
Farming Situation / System :

- Plain, Irrigated
- Rice based cropping system.

Other Information : Planting of Colocasia in trenches and staggered
 fulling of the trenches with manures and soils to
 provide proper support and encouraging growth
 and development.

Shri Ramchandra Bhate

Age : 81 years
Education : VI
Address : Deul wada
Village : Narve
Taluka : Bicholim
District : North Goa
 (Goa) 403 504
Contact No : 0832-2387379



Land Holding : 50 acres
Farming Experience : 60 years
Crops Grown : Cashew
 Coconut
 Arecanut
 Banana
 Sapota
 Spices

Farming Situation / System :
 • Hilly, Plain, Irrigated
 • Arecanut based cropping system

Awards & Recognition :
 • Freedom Fighter Award
 • Founder member of Goa Bagayadar

Other Information :
 • Organic farming and conservation agriculture
 • Multistorey cropping system in arecanut garden

Shri Uday G. Naik

Age : 38 years
Education : X
Address : H. No. 193/7
 New Wado
Village : Sal
Taluka : Bicholim
District : North Goa
 (Goa) 403 503
Contact No : 9423318405



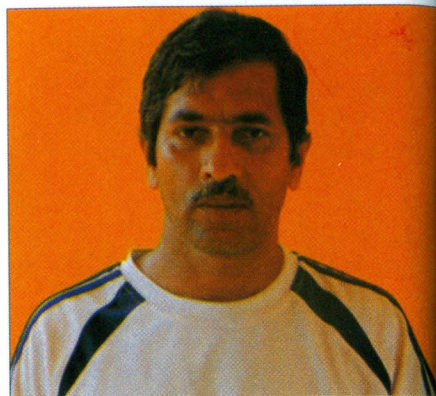
Land Holding : 2 acres
Farming Experience : 6 years
Crops Grown : Rice
 Banana
 Papaya

Farming Situation / System :
 • Plain, Irrigated
 • Rice based cropping system

Other Information :
 • Farmer planted Tulsi on the boundary for repulsion of pest of Rice and Banana
 • Farmer developed Animal scaring mechanism using thermocal, cloth and bell.

Shri Sagun Raut

Age : 43 years
Education : X
Address : H. No. 178
 Madhla wada
Village : Sal
Taluka : Bicholim
District : North Goa
 (Goa) 403 503
Contact No : 9423812368



Land Holding : 6 acres
Farming Experience : 30 years
Crops Grown : Rice
 Cowpea
 Ragi
 Cashew
 Arecanut
 Banana
 Chilli

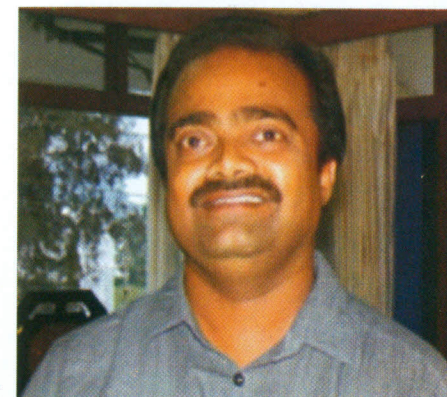
Farming Situation / System :

- Plain, Partially Irrigated
- Rice based cropping system

Other Information : Farmer developed Animal scaring mechanism using cloth and bell.

Shri Kiran Shirodkar

Age : 44 years
Education : XII, F. Y. B.Com
Address : Heera Farm
 Vazri
Village : Dhargal
Taluka : Pernem
District : North Goa
 (Goa) 403 513
Contact No : 9822102849



Land Holding : 70 acres
Farming Experience : 16 years
Crops Grown : Plantation
 crops
 Bamboo
Other Enterprises : Agro - Eco
 tourism

Farming Situation / System :

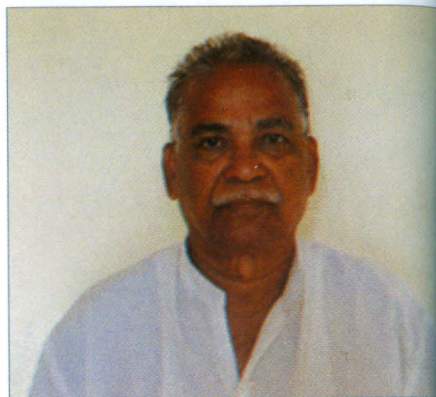
- Plain, Irrigated
- Mixed cropping system (Cashew, Coconut, Mango, Sapota, Jack fruit, Rubber, Teak, Aonla, Bamboo, Cocum, Spices)

Awards & Recognition :

- Krishi Bhusan State Agricultural Award - 2011-12
- Progressive Farmer in the field of Horticulture - 2006.

Shri Madhukar B. Kamulkar

Age : 70 years
Education : V
Address : Maha khanzan
Village : Dhargal
Taluka : Pernem
District : North Goa (Goa) 403 513
Contact No : 0832-2240366



Land Holding : 2 acres
Farming Experience : 60 years
Crops Grown : Rice
 Groundnut
 Coconut
 Cashew



Farming Situation / System :

- Plain, Rainfed
- Rice based cropping system

Awards & Recognition : Member of Water Utilization Association.

Shri Jaikishan H. Salgaonkar

Age : 49 years
Education : VIII
Address : H. No. 266
 Chon wada
Village : Dhargal
Taluka : Pernem
District : North Goa (Goa) 403 513
Contact No : 9049018947



Land Holding : 3 acres
Farming Experience : 30 years
Crops Grown : Rice
 Groundnut
 Green Gram



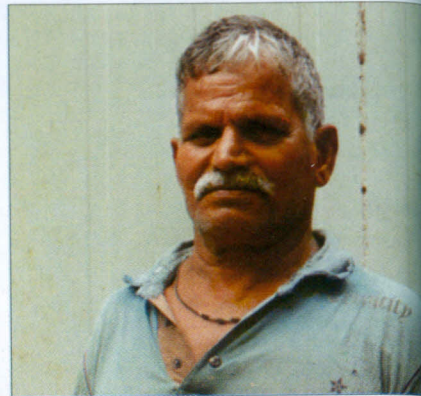
Farming Situation / System :

- Plain, Irrigated
- Rice based cropping system
- Groundnut based cropping system

Other Information : Farmer has been identified as groundnut seed producing farmer and supplies the seed to Agriculture Department and needy farmers from the Pernem Taluka.

Shri Suryakant Gaude

Age : 62 years
Education : IX
Address : Gawde wada
Village : Mandrem
Taluka : Pernem
District : North Goa
 (Goa) 403 527
Contact No : 9823269451



Land Holding : 2 acres
Farming Experience : 50 years
Crops Grown : Rice
 Groundnut
 Ragi
 Coconut
 Fodder
Other Enterprises : Biogas unit
 Hydroponics unit
 Dairy

Farming Situation / System :

- Plain, Irrigated, Hydroponics unit
- Rice based cropping system

Other Information :

- Farmer spray cow urine mixture for pest management in Chilli.
- Growing fodder hydrophonically.

Shri Tulsidas L. Sawant

Age : 33 years
Education : X
Address : Sawant wada
Village : Mandrem
Taluka : Pernem
District : North Goa
 (Goa) 403 527
Contact No : Nil



Land Holding : 2.5 acres
Farming Experience : 20 years
Crops Grown : Rice
 Groundnut
 Cowpea
 Chilli

Farming Situation / System :

- Plain, Irrigated
- Rice based cropping system

Other Information :

- Farmer has been identified as groundnut seed producing farmer and supplies the seed to Agriculture Department and needy farmers from the Pernem Taluka

Shri Sakharam Kalangutkar

Age : 50 years
Education : IX
Address : H. No. 43
 Sawant wada
Village : Ibrampur
Taluka : Pernem
District : North Goa
 (Goa) 403 503
Contact No : 0832-8809219,
 9420736870



Land Holding : 3 acres
Farming Experience : 35 years
Crops Grown : Rice
 Sweet corn
 Cowpea
 Chilli
 Fodder grasses
Other Enterprises : Dairy
 (4 Jersey cows)
 25 ltr / day

Farming Situation / System :

- Plain, Irrigated
- Rice based cropping system
- Dairy

Other Information : Farmer is cultivating Rice using SRI method

Shri Sudin Uttam Dhulapkar

Age : 22 years
Education : XII
Address : H. No. 89
 Deul wada
Village : Ibrampur
Taluka : Pernem
District : North Goa
 (Goa) 403 503
Contact No : 9420979146



Land Holding : 2.5 acres
Farming Experience : 15 years
Crops Grown : Rice
 Coconut
 Arecanut
Other Enterprises : Dairy
 (30 cows)
 150 ltr / day

Farming Situation / System :

- Plain, Irrigated
- Rice based cropping system
- Coconut based cropping system
- Dairy (Cross breed, Jersey, Holstein Fresien, Sahiwal)

Other Information : Spray of cow urine to banana for pest control

Shri Rupesh Damodar Sawant

Age : 31 years
 Education : VII
 Address : H. No. 7
 Chawtha wada
 Village : Ibrampur
 Taluka : Pernem
 District : North Goa
 (Goa) 403 503
 Contact No : 9423170160

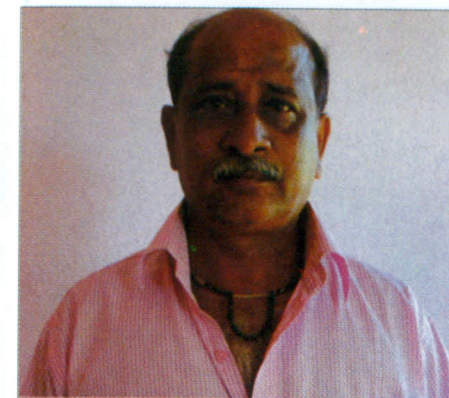


Land Holding : 6.5 acres
 Farming Experience : 13 years
 Crops Grown : Rice
 Sugarcane
 Cowpea
 Groundnut
 Cashew
 Coconut
 Banana
 Chilli

Farming Situation / System :
 • Plain, Irrigated
 • Rice based cropping system
 Other Information : Farm mechanization and custom hiring service

Shri Shamsundar M. Gawas

Age : 47 years
 Education : V
 Address : H. No. 173
 Gawas wada
 Village : Ibrampur
 Taluka : Pernem
 District : North Goa
 (Goa) 403 503
 Contact No : 9049307808



Land Holding : 3 acres
 Farming Experience : 30 years
 Crops Grown : Rice
 Coconut
 Banana
 Mango
 Fodder
 Other Enterprises : Dairy
 (4 cows)
 (3 Buffaloes)
 43 ltr / day

Farming Situation / System :
 • Plain, Irrigated
 • Rice based farming system
 • Dairy (3 Jersey, 1 local cow, 3 Buffaloes local)
 Other Information : Farmer has planted Mango (Kerela variety -
 flowering twice a year)

Shri Maheshwar Appa Gawas

Age : 39 years
 Education : X
 Address : H. No. 42
 Gawas wada
 Village : Ibrampur
 Taluka : Pernem
 District : North Goa
 (Goa) 403 503
 Contact No : 9422821308



Land Holding : 3 acres
 Farming Experience : 15 years
 Crops Grown : Banana
 Coconut

Farming Situation / System :
 • Plain, Irrigated
 • Banana based cropping system

Shri Zilu Nagesh Halankar

Age : 40 years
 Education : XII
 Address : H. No. 81
 Gawas wada
 Village : Ibrampur
 Taluka : Pernem
 District : North Goa
 (Goa) 403 503
 Contact No : 9421151372



Land Holding : 8 acres
 Farming Experience : 25 years
 Crops Grown : Sugarcane
 Coconut
 Arecanut
 Banana

Farming Situation / System :
 • Plain, Irrigated
 • Sugarcane based farming system

Shri Chandrakant P. Gawas

Age : 45 years
 Education : XII
 Address : Gawas wada
 Village : Ibrampur
 Taluka : Pernem
 District : North Goa
 (Goa) 403 503
 Contact No : 9423060145



Land Holding : 2 acres
 Farming Experience : 15 years
 Crops Grown : Coconut
 Banana

Farming Situation / System :
 • Plain, Irrigated
 • Coconut based cropping system

Shri Madhukar N. Sawal

Age : 55 years
 Education : XII
 Address : H. No. 38
 Sawant Wada
 Village : Ibrampur
 Taluka : Pernem
 District : North Goa
 (Goa) 403 503
 Contact No : 9423821261



Land Holding : 10 acres
 Farming Experience : 30 years
 Crops Grown : Sugarcane
 Coconut
 Arecanut
 Banana

Farming Situation / System :
 • Plain, Irrigated
 • Coconut based cropping system

Shri Pran Arjun Gawas

Age : 48 years
Education : IX
Address : H. No. 84
 Gawas wada
Village : Ibrampur
Taluka : Pernem
District : North Goa
 (Goa) 403 503
Contact No : 9545008701



Land Holding : 14.5 acres
Farming Experience : 40 years
Crops Grown : Sugarcane
 Cashew
 Coconut
 Arecanut
 Banana

Farming Situation / System :
 • Hilly, Plain, Partially Irrigated
 • Coconut based cropping system

Awards & Recognition : Best Farmer Award - 2011

Other Information : Farm mechanization and custom hiring service

Shri Sainath Ramdas Gawas

Age : 49 years
Education : X
Address : H. No. 201
 Baltem
Village : Ibrampur
Taluka : Pernem
District : North Goa
 (Goa) 403 503
Contact No : 9421535843



Land Holdings : 9.5 acres
Farming Experience : 32 years
Crops Grown : Rice
 Sugarcane
 Groundnut
 Cashew
 Coconut
 Arecanut
 Mango
 Banana
 Chilli

Farming Situation / System :
 • Hilly, Plain, Irrigated
 • Rice based cropping system
 • Cashew based cropping system

Shri Ramesh S. Sawant

Age : 50 years
 Education : X
 Address : H. No.35
 Sawant wada
 Village : Ibrampur
 Taluka : Pernem
 District : North Goa
 (Goa) 403 503
 Contact No : 9423292738



Land Holding : 25 acres
 Farming Experience : 25 years
 Crops Grown : Rice
 Cowpea
 Sugarcane
 Coconut
 Arecanut
 Banana
 Mango
 Citrus
 Chilli

Farming Situation / System :
 • Plain, Irrigated
 • Rice based cropping system
 • Coconut based cropping system

Other Information : Rice cultivation following SRI method

Shri Laxman Mahadev Gawas

Age : 63 years
 Education : X
 Address : H. No. 65
 Gawas wada
 Village : Ibrampur
 Taluka : Pernem
 District : North Goa
 (Goa) 403 503
 Contact No : 0832-2209202

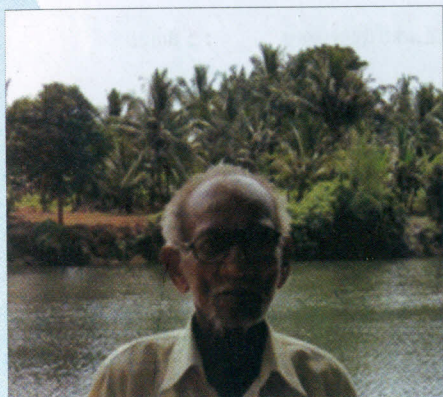


Land Holding : 4 acres
 Farming Experience : 25 years
 Crops Grown : Rice
 Sugarcane
 Cashew
 Coconut
 Banana
 Other Enterprises : Dairy

Farming Situation / System :
 • Plain, Irrigated
 • Rice Based Cropping System
 • Coconut based cropping system
 • Dairy

Shri Arjun Gunaji Gawas

Age : 75 years
Education : Nil
Address : Gawas wada
Village : Ibrampur
Taluka : Pernem
District : North Goa
 (Goa) 403 503
Contact No : Nil



Land Holding : 1.3 acres
Farming Experience : 60 years
Crops Grown : Rice
 Sugarcane
 Coconut
Other Enterprises : Dairy
 (5 Jersey cows)
 10 ltr/ day

Farming Situation / System :

- Plain, Irrigated
- Rice based cropping system
- Coconut based cropping system
- Dairy

Shri Ladu Pundalik Gawas

Age : 65 years
Education : V
Address : H. No. 18
 Deul wada
Village : Ibrampur
Taluka : Pernem
District : North Goa
 (Goa) 403 503
Contact No : 8888825066,
 8888846117



Land Holding : 5 acres
Farming Experience : 30 years
Crops Grown : Rice,
 Sugarcane
 Cashew
 Coconut
 Banana
Other Enterprises : Dairy
 (3 Buffaloes)
 15 ltr / day

Farming Situation / System :

- Plain, Irrigated
- Rice based cropping system
- Coconut cropping system
- Dairy

Shri Mase Vishnu Gawas

Age : 57 years
Education : X
Address : H. No. 17/1
 Gawakar wada
Village : Ibrampur
Taluka : Pernem
District : North Goa
 (Goa) 403 503
Contact No : 9673013109



Land Holding : 1 acre
Farming Experience : 25 years
Crops Grown : Rice, Cowpea
 Field bean
 Sweet corn
 Chilli, Cashew
 Coconut,
 Arecanut
Other Enterprises : Dairy
 (2 Buffaloes)
 5 ltr / day

Farming Situation / System :

- Plain, Irrigated
- Rice based cropping system
- Coconut based cropping system
- Dairy

Shri Prasad D. Sawant

Age : 29 years
Education : XII
Address : H. No. 34
 Sawant wada
Village : Ibrampur
Taluka : Pernem
District : North Goa
 (Goa) 403 503
Contact No : 9423421200



Land Holding : 7.5 acres
Farming Experience : 10 years
Crops Grown : Rice
 Sugarcane
 Cashew
 Coconut
 Arecanut
 Banana
Other Enterprises : Dairy
 (1 Buffalo and
 3 cows)

Farming Situation / System :

- Plain, Irrigated
- Rice based cropping system
- Coconut based cropping system
- Dairy

Shri Pandurang Bappa Gawas

Age : 73 years
Education : V
Address : H. No. 52
 Gawakar wada
Village : Ibrampur
Taluka : Pernem
District : North Goa
 (Goa) 403 503
Contact No : 9423200918



Land Holding : 1 acre
Farming Experience : 50 years
Crops Grown : Coconut
 Arecanut

Farming Situation / System :

- Plain, Irrigated
- Coconut based cropping system

Shri Anant C. Malik

Age : 56 years
Education : V
Address : H. No. 323
 Deul wada
Village : Hasapur
Taluka : Pernem
District : North Goa
 (Goa) 403 512
Contact No : 9049295011



Land Holding : 1 acre
Farming Experience : 45 years
Crops Grown : Rice
 Cowpea
 Groundnut
 Cashew
 Coconut
 Banana
 Chilli

Farming Situation / System :

- Plain, Partially Irrigated
- Rice based cropping system
- Coconut based cropping system

Shri Dayanand M. Gawas

Age : 55 years
Education : IX
Address : H. No. 101
 Bhatwad
Village : Hasapur
Taluka : Pernem
District : North Goa
 (Goa) 403 512
Contact No : 9420818500



Land Holding : 6 acres
Farming Experience : 20 years
Crops Grown : Rice
 Pearl millet
 Cashew
 Fodder grasses
Other Enterprises : Dairy
 (80 Cows and
 20 Buffaloes)
 450-500 ltr / day

Farming Situation / System :

- Plain, Partially Irrigated
- Rice based cropping system
- Cashew based cropping system
- Dairy

Awards & Recognition :

- National Award on outstanding contribution in dairy "National Dairy Farmer Award - 2011"
- Goa state Dairy Award - Goa Dairy (2003, 2004, 2005, 2006, 2009, 2010)

Other Information :

- Farmer uses Chaff cutter machine and have two Gobber Gas Plant with 6 connection

Shri Gangaram R. Malik

Age : 70 years
Education : IV
Address : H. No. 332
 Deul wada
Village : Hasapur
Taluka : Pernem
District : North Goa
 (Goa) 403 512
Contact No : 9404150756



Land Holding : 5 acres
Farming Experience : 50 years
Crops Grown : Rice
 Cowpea
 Groundnut
 Coconut
 Banana
 Chilli

Farming Situation / System :

- Plain, Irrigated
- Rice based cropping system
- Coconut based cropping system

Shri Anthony Xavier Pacheco

Age : 57 years

Education : XII,
Diploma in Electronics

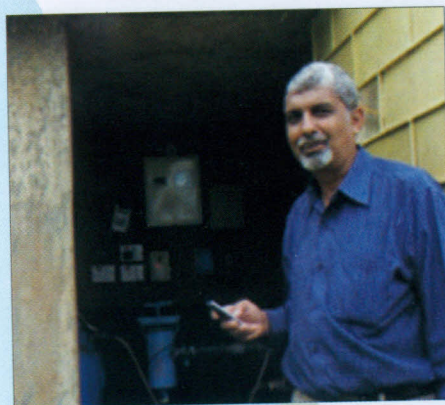
Address : B-32, G-3
Milroc, Ribander retreat

Village : Ribander

Taluka : Tiswadi

District : North Goa
(Goa) 403 006

Contact No : 9822192556



Land Holding : 0.9 acres

Farming Experience : 2 years

Crops Grown : Coconut
Mango
Banana

Farming Situation / System :

- Plain, Irrigated
- Mango based cropping system

Other Information : Farmers has remote control operating system of water pump for irrigation and irrigating the field

Dr. (Smt) Purnima Usagaonkar

Age : 59 years

Education : M.B.B.S.

Address : Indira Shan Apartment
2nd floor

Village : Sadar

Taluka : Ponda

District : North Goa
(Goa) 403 401

Contact No : 0832-2312565



Land Holding : Flat
(Terrace and Balcony)
210 m²

Farming Experience : 15 years

Crops Grown : Coconut
Mango, Sapota
Guava
Vegetables
Spices

Farming Situation / System : Urban Farming

Other Information : Growing coconut, fruits vegetables and spices in pots on terrace

Smt Vanita Kumar Jamble

Age : 46 years
Education : XII
Address : Ganganagar
Village : Curti
Taluka : Ponda
District : North Goa
 (Goa) 403 401
Contact No : 9921321310



Land Holding : House surroundings (200 m²)
Farming Experience : 20 years
Crops Grown : Coconut
 Mango, Banana
 Cocum,
 Aloe vera
 Colocasia,
 Ginger, Colius
 Cinnamon
 Manpatri

Farming Situation / System : Urban Farming

Awards & Recognition : 3rd Prize in Best Garden Competition - 2001 organized by Botanical Society of Goa

Smt Shailaja Sharma

Age : 51 years
Education : XII
Address : Milfern apartment
Village : Shivanagar
Taluka : Ponda
District : North Goa
 (Goa) 403 401
Contact No : 9422439052



Land Holding : Flat (Terrace and Balcony) 126 m²
Farming Experience : 8 years
Crops Grown : Banana
 Papaya
 Lemon
 Vegetables
 Spices

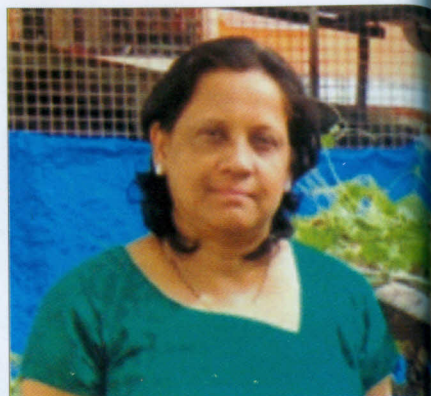
Farming Situation / System : Urban Farming

Awards & Recognition : 1st Prize for Best Terrace Garden -2010-11 by Botanical Society of Goa

Other Information : Using all degradable kitchen waste in growing vegetables in boxes

Smt Neha Vinay Kamat

Age : 52 years
Education : B. Sc.
Address : Haveli
Village : Curti
Taluka : Ponda
District : North Goa
 (Goa) 403 401
Contact No : 0832-2311396
 9450137870



Land Holding : House
 Surroundings
 (200 m²)
Farming Experience : 10 years
Crops Grown : Coconut
 Papaya
 Pineapple
 Chilli,
 Coccinea
 Turmeric

Farming Situation / System : Urban Farming

Dr. (Smt) Jyoti Mallya

Age : 51 years
Education : M.B.B.S., DCH
Address : Ganganagar
Village : Curti
Taluka : Ponda
District : North Goa
 (Goa) 403 401
Contact No : 9822141379



Land Holding : House
 Surroundings
 (400 m²)
Farming Experience : 15 years
Crops Grown : Plantation Crops
 Fruit crops
 Vegetables
 Spices
Other Enterprises : Vermiculture unit

Farming Situation / System : Urban Farming

Awards & Recognition : Best Garden Award - 2008 and 2009 by Botanical
 Society of Goa

Other Information :
 • Plantation crops (Coconut, Mango, Banana, Sapota, Guava, Rose apple)
 • Vegetables (Coccinea, Cherry Tomato, Spinach, Okra, Cinnamon)
 • Farmer is also interested in cultivating spices.

Smt Aprana Datta Gaonkar

Age : 48 years
Education : B. Com
Address : Shivanagar
Village : Farmagudi
Taluka : Ponda
District : North Goa
 (Goa) 403 401
Contact No : 9423214503



Land Holding : House
 Surroundings
 (200 m²)
Farming Experience : 12 years
Crops Grown : Plantation Crops
 Fruit crops
 Vegetables
 Spices

Farming Situation / System : Urban Farming

Other Information

- Plantation crops (Coconut, Mango, Banana, Bel, Betalnut)
- Vegetables (Okra, Pudina, Cinnamom)
- Farmer is also interested in cultivating spices (Cloves and Cardamom), fruits and vegetables.

Shri Sudhir A. Desai

Age : 63 years
Education : B. Sc.
Address : Shivanagar
Village : Farmagudi
Taluka : Ponda
District : North Goa
 (Goa) 403 401
Contact No : 0832-235844



Land Holding : House
 Surroundings
 (200 m²)
Farming Experience : 15 years
Crops Grown : Coconut
 Arecanut
 Banana
 Coccinea
 Bilimbi
 Elephant-
 Foot Yam

Farming Situation / System : Urban Farming

Shri Sagar Pandit

Age : 35 years
Education : Dipl. in Ship Building
Address : Vrindavan Garden
Village : Varkhandem
Taluka : Ponda
District : North Goa
 (Goa) 403 401
Contact No : 8408818506,
 8805137445

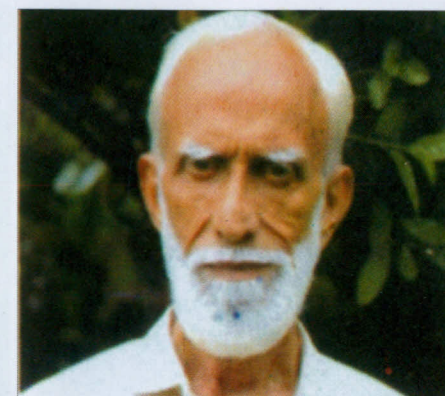


Land Holding : Flat (Balcony)
 20 m²
Farming Experience : 10 years
Crops Grown : Okra
 Tomato
 Curry leaf
 Chilli
 Aloe vera

Farming Situation / System : Urban Farming

Shri Kamlakar D. Sadhale

Age : 71 years
Education : B. Arch
Address : "Chintan"
Village : Khadpaband
Taluka : Ponda
District : North Goa
 (Goa) 403 401
Contact No : 0832-2312684



Land Holding : Bungalow
 Surrounding
 (190 m²)
Farming Experience : 30 years
Crops Grown : Coconut
 Mango
 Sapota
 Jack fruit
 Vegetables
 Pepper

Farming Situation / System : Urban Farming

Awards & Recognition : Best Architect Award

Other Information : Formed Micro Farming Club in Ponda to promote
 Urban Farming

Shri Ryan Rego

Age : 45 years
Education : XII
Address : C/o Fil Farm
Village : Malkarne
Taluka : Quepem
District : South Goa
 (Goa) 403 705
Contact No : 9404143553



Land Holding : 12.5 acres
Farming Experience : 15 years
Crops Grown : Plantation
 crops
 Spices (Pepper)
Other Enterprises : Poultry
 (1,000 birds)
 Dairy
 (10 cattles)

Farming Situation / System :

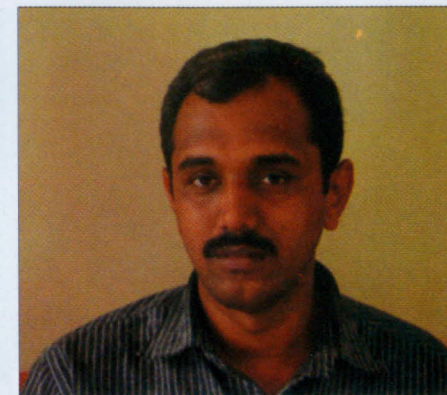
- Hilly, Plain, Irrigated
- Mixed cropping system

Other Information :

- Plantation crops (Cashew, Coconut, Mango, Banana, Pineapple, Sapota, Jack fruit)
- Poultry
- Dairy

Shri Rudresh S. Prabhu Pawaskar

Age : 40 years
Education : B. Sc.
Address : Bhindem
Village : Malkarne
Taluka : Quepem
District : South Goa
 (Goa) 403 705
Contact No : 0832- 2678222,
 9767704526



Land Holding : 70 acres
Farming Experience : 15 years
Crops Grown : Plantation
 Crops
 Spices
 Coffee
Other Enterprises : Vermiculture Unit
 Coconut Processing Unit

Farming Situation / System :

- Hilly, Plain, Irrigated
- Coconut based cropping system

Awards & Recognition : 1st Agriculture Farmers Award - 1997

Shri Sonu Velip

Age : 70 years
Education : Uneducated
Address : Rawapan
Village : Barsem
Taluka : Quepem
District : South Goa
 (Goa) 403 705
Contact No : 9823567874



Land Holding : 7.4 acres
Farming Experience : 50 years
Crops Grown : Rice
 Cashew
 Coconut
 Banana
 Jackfruit
 Cocum
 Chilli

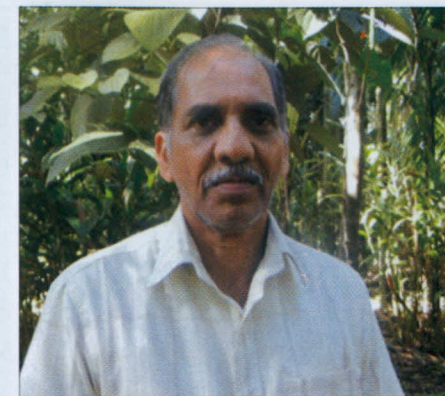


Farming Situation / System :
 • Plain, Irrigated
 • Rice based cropping system
 • Coconut based cropping system

Other Information : Farmers cultivated Rice using SRI method

Shri Vithal Khandeparker

Age : 68 years
Education : X
 Dipl. in Agriculture
Address : Usagalimal
Village : Pirla
Taluka : Quepem
District : South Goa
 (Goa) 403 705
Contact No : 9421329249



Land Holding : 20 acres
Farming Experience : 40 years
Crops Grown : Sugarcane
 Plantation crops
 Spices, Coffee
 Fodder grasses
Other Enterprises : Turmeric and
 Coffee processing unit
 Dairy, Vemiculture Unit
 Bio - Gas Plant, Chaff cutter



Farming Situation / System : Plain, Irrigated
 Coconut based cropping system

Awards & Recognition : Best Horticulturist of Goa State 2007-08

Other Information : Plantation crops (Coconut, Arecanut, Banana, Jack fruit, Pineapple, Vanilla, Coffee), Spices (Pepper, Turmeric, Cinnamon, Cardamom), Italian rain Gun for Sugarcane, drip irrigation and sprinklers for Kulagar, Slurry is pumped to whole farm using slurry pump, intercropping in sugarcane with (Okra, Cluster beans, Turmeric) and Sugarcane var. - 265.

Shri Brijesh V. Phaldesai

Age : 24 years
Education : X
Address : Tudal
Village : Gaondongari
Taluka : Canacona
District : South Goa
 (Goa) 403 702
Contact No : 9404435561,
 8275383417



Land Holding : 12.5 acres
Farming Experience : 1 year
Crops Grown : Rice, Sugarcane
 Cashew, Coconut
 Mango, Banana
 Jack fruit, Sapota
Other Enterprises : Feni making
 Sale of Farm
 Yard Manure
 (FYM)

Farming Situation / System :

- Plain, Irrigated
- Rice based cropping system

Shri Prasad Velip

Age : 34 years
Education : Dipl. in Agriculture
Address : Dabel
Village : Paigini
Taluka : Canacona
District : South Goa
 (Goa) 403 702
Contact No : 9604253162



Land Holding : 2.5 acres
Farming Experience : 2 years
Crops Grown : Banana
Other Enterprises : Dairy (4 cows)
 Vermiculture Unit

Farming Situation / System :

- Plain, Irrigated
- Banana based cropping system
- Dairy

Other Information : Farmer is having Solar Fencing, Drip irrigation facility, Power tiller, Bush cutter.

Shri Suchendra Desai

Age : 38 years

Education : X

Address : Devabagh

Village : Palolem

Taluka : Canacona

District : South Goa
(Goa) 403 702

Contact No : 9767111001



Land Holding : 5.5 acres

Farming Experience : 15 years

Crops Grown : Rice, Cashew
Coconut
Banana
Vegetables
Fodder grasses

Other Enterprises : Dairy
Custom Hiring
Services

Farming Situation / System :

- Hilly, Plain, Partially Irrigated
- Rice based cropping system
- Cashew based farming system
- Dairy

Other Information :

- Farmer uses cow urine for pest control in vegetables.
- Custom Hiring Services (Power mini tractor, Milking Machine, Coffee cutter, Power generator)

Shri Govind D. Gaonkar

Age : 59 years

Education : VII

Address : Fularnol

Village : Gaondongari

Taluka : Canacona

District : South Goa
(Goa) 403 702

Contact No : 0832-3162123



Land Holding : 15.3 acres

Farming Experience : 30 years

Crops Grown : Rice
Mix crops

Other Enterprises : Farm
Mechanization
and
Custom Hiring
Services

Farming Situation / System :

- Plain, Irrigated
- Rice based cropping system

Other Information :

- Crops grown (Rice sugarcane, Cowpea, green gram, Cashew, Coconut, Pineapple, Banana, Drum stick, Marigold, Chilli, Pepper)
- Farmers using sprinkler system for irrigation

Profile of ICAR Research Complex for Goa Old Goa, North Goa (Goa) 403 402

Indian Council of Agricultural Research (ICAR) established the ICAR Research Complex for Goa in April, 1976, as a research centre under the administrative control of ICAR Research Complex for North East Hill Region, Shillong (Meghalaya) for a short spell and then with the Central Plantation Crop Research Institute, Kasaragod (Kerala) until it was elevated to the status of independent Institute in April, 1989.



The Complex started functioning in the present location at Ela, Old Goa, since 1982. To intensify the transfer of farm technology and to impart grass root level vocational training to the farmers and unemployed youth, a Krishi Vigyan Kendra was established in this complex during the year 1983 which has been functioning also as the extension wing of the Institute. The Research Complex carries out applied and strategic research with some amount of basic research specific to this region, in field crops, horticulture, livestock, fisheries and allied sector.

Mandate:

1. To conduct strategic and applied research on potential Agricultural and Horticultural crops, Livestock and Fisheries relevant to natural resource base of Goa and adjoining areas for sustainable productivity.
2. To collaborate with national and international institutes/agencies in developing and transferring new technologies.
3. To act as repository of information on Western Ghat agriculture system.
4. To disseminate improved technology developed.
5. To act as a centre for training in improved and advanced technologies.
6. To generate nucleus planting materials.
7. To provide consultancy services.

Technologies Generated

I. Resource Management & Integrated production.

1. Technology package for management of mine reject soils.
2. Continuous/staggered contour trenches with vegetative barriers.
3. Direct water catch pits for water harvesting and its re-use for off-season irrigation
4. Cashew based land use systems
5. Coconut based high density multi-species cropping systems.
6. Coconut based farming system
7. High yielding varieties of rice for different production situations
8. Rice based cropping/farming systems
9. Water management practices for coastal saline soils
10. Growing of salt tolerant rice varieties.

II. Crop Improvement and Protection

1. Mass multiplication and formulation of biocontrol agents.
2. Management of "Bacterial wilt" in brinjal using bacterial biocontrol agents.
3. Seed treatment with biocontrol agent a simple technology for the management of groundnut root rot under residual soil moisture conditions.
4. Management of "Seedling and graft rot" in mango nurseries with biocontrol agents.
5. Management of the "Melon fly" using food baits in hill cucurbits of Goa.
6. Management of the red palm weevil using pheromone technology.



III. Horticulture

1. Goa-1 A new cashew variety for Goa.
2. Polyclonal cultivation of local cultivars of banana as inter crop in Coconut.
3. Pineapple – a profitable intercrop in coconut.



4. Promising early bearers of Cocum in Goa.
5. Protected cultivation of Gerbera cut flower under naturally ventilated polyhouse.
6. Protected cultivation of anthurium cut flower under naturally ventilated polyhouse.
7. Coloured capsicum cultivation under naturally ventilated polyhouse.
8. Baby corn and sweet corn cultivation technology for Goa.
9. Lilium cut flower production under naturally ventilated polyhouse.
10. Production technology for Gladiolus cut flower.
11. Extension of vase life of lilium cut flowers.

IV. Animal Sciences

1. Technologies for management of bovine mastitis.
2. Quality control of dairy foods.
3. Management of economically important and emerging livestock diseases.
4. Package of practices for rearing of Vanraja – a dual purpose bird.
5. Package of practice for Grampriya for egg production.
6. Ration formation and use of agro-industrial by-products for preparation of low cost feed for livestock and poultry.
7. Enrichment (urea ammonization) of crop residues, preservation of green fodder (silage making) for feeding of dairy animals.
8. Cross breed pig for better pork production.
9. Rabbit for meat production.



V. Fishery Science

1. Rice fish integrated farming system.
2. Duck fish integration farming system.
3. Poultry fish integration farming system
4. Mussel farming in brackish water areas.
5. Remote sensing based potential fishing zone forecasting for marine fisheries.
6. Freshwater ornamental fish seed production.



VI. Technology Transfer

The Institute undertakes following Technology Transfer Activities :

1. Participatory technology development
2. Testing and popularization of varieties
3. Institute village linkage programme
4. On farm trial and demonstration
5. Scientists-line department- farmers interface
6. Trainings
7. Publications
8. Consultancy
9. Field visits
10. Exhibition

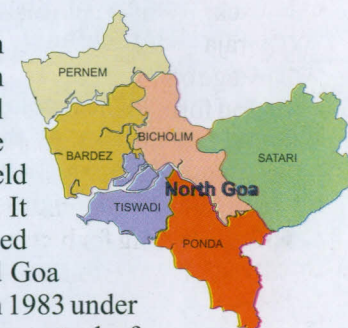
Profile of Krishi Vigyan Kendra - North Goa ICAR Research Complex for Goa Old Goa (Goa) 403 402

About the Institute:

Krishi Vigyan Kendra (Farm Science Centre) is a district level institution engaged in transfer of latest agricultural technology to the end users for bridging the gap between research farm and farmers field in terms of production and productivity. It works through partnership mode with allied departments and agencies. The KVK, Old Goa



was established in 1983 under the administrative control of the ICAR Research Complex for Goa. Since inception this KVK has been endeavoring for the upliftment of socio economic condition of the farming community of the district through scientific intervention in the agricultural and allied sectors.



Mandate:

- ⌘ Conducting “On Farm Testing” (OFTs) for identifying technologies in terms of location specific sustainable land use systems.

⌘ Conducting “**Frontline Demonstrations**” (FLDs) on various crops technologies to generate production data and feedback information.



⌘ Organizing training to update the extension personnel with emerging advances in agricultural research on regular basis for the farmers and rural youths

⌘ Conducting other extension activities such as Kisan Mela, Field Days, Exhibition, Seminars, Workshops, etc..



Pushing the mandate of the KVK, following approach has been adopted for conducting various activities.

⌘ Demonstration of the latest agricultural technologies to the farmers as well as extension workers of State Departments of Agriculture/Horticulture/ Fisheries/Animal Science/NGOs.

⌘ Test and verify the technologies in the socio – economic conditions of the farmers with a view to study the production constraints and to modify the technologies to make them appropriate.

⌘ Impart trainings to the practicing farmers /farm women, rural youth and field level extension functionaries by following the methods of “Seeing is believing” and “Learning by doing”.

⌘ Back-up with training and communication supports to the district level development departments viz; Agriculture / Horticulture / Animal Husbandry / Fisheries and NGOs in their extension programmes.



Faculty:

The KVK is having well experienced Faculty (Programme Coordinator and Subject Matter Specialists) specialized in the discipline of Agronomy, Horticulture, Plant Protection, Home Science, Animal Science, Agril. Extension and Programme Assistants (Lab Technician, Computers, Farm Manager). In addition, the resource person / experts in various agricultural and allied field are being invited from ICAR, Agril. Universities, Development Departments and other organizations, etc.

Facilities:

Besides demonstration units (Buffalo, goat, poultry, vermiculture unit, nutritional garden, polyhouse, integrated agriculture technology model, water harvesting pond and micro irrigation, etc.) and farm (18 ha), the KVK has facilities like training hall, audio and visual aids, soil testing laboratory, library, IT Lab, *Trichoderma* production lab, Home Science lab, Trainees hostel, etc.



Services:

1) On Farm Testing:

To assess and refine the generated technologies to suit the local situations, “On Farm Testing” is carried out with farmers' participation. Every year 3-5 technologies are being tested to serve as a result demonstration plot.

2) Front Line Demonstrations:

The frontline demonstration on various crops and enterprises have been in implementation since last two decades aiming at increasing the productivity of crops like rice, groundnut, cowpea, green gram, gladiolus, brinjal, cucumber, turmeric, okra, capsicum, mango, cashew, coconut, arecanut, etc. by way of introducing low cost technologies including introduction of new varieties / hybrids.

3) Training Programmes:

Training programmes are offered by KVK in the fields of Agriculture, Horticulture, Plant Protection, Home Science, Animal Husbandry and Extension activities.



4) Technology Information Spread:

To keep the farmers well informed of the programmes and for quick dissemination of technologies, Farmers' Clubs and SHGs have been promoted. The Kendra has established its own demonstration units for planting material, Vermiculture, *Trichoderma*, livestock production, etc.

5) Soil, Plant and Animal Health:

Subject Matter Specialists (SMSs) of KVK are providing diagnostic visits to problematic agriculture fields, sick animals, and poultry for getting curative and diagnostic recommendations.

Notes

Interact with the scientists at the Krishi Vigyan Kendra and get advice on issue related to agriculture and allied fields and information on advanced technological options.

The KVK is located at Old Goa about 10 km away from Panjim city on the way to Karmali railway station road. public bus, jeep and hired auto rickshaw and motorcycle could be taken to reach KVK.

For further enquiry please contact

Sr. No.	Name of Incumbent	Designation / Specialist	Contact details
1	Dr. Raj Narayan	Programme Coordinator	9766448827
2	Mr. Vishram Y. Gaonkar	SMS (Horticulture)	9422643739
3	Dr. Avinash V. Nirmale	SMS (Animal Science)	9029303035
4	Mr. H. R. Prabhudesai	SMS (Agronomy)	9890701500
5	Mr. H. R. C. Prabhu	SMS (Plant Protection)	9423057548
6	Mrs. Suntera Talaulikar	SMS (Home Science)	9860597213
7	Dr. Vilas S. Sakharkar	SMS (Agri. Extension)	9226213027
8	Mr. S. Vishwakarma	Lab Technician	9503830405
9	Mr. V. Prajapati	Computer Programmer	9373535030
10	Mr. Deep Kumar	Farm Manager	9766972597



Krishi Vigyan Kendra

ICAR Research Complex for Goa

(Indian Council for Agricultural Research)

Ela, Old Goa - 403 402 North Goa, Goa (INDIA)

Telefax no. : 91-0832-2285475, Email : pckvknorthgoa@gmail.com

Website : www.kvkicarrgoa.in