

Coconut planting material for the Pacific region

This website was originally an output of the Coconut Industry Development Project for the Pacific (CIDP). This project was a joint initiative of the Pacific Community, the European Union and the African, Caribbean and Pacific Group of States. It ran from 2016 to 2018 with a budget of 3, 5 million euros. Dr. Roland Bourdeix from CIRAD (Agronomic Research for Development) launched this site. Many co-authors then joined him.

THURSDAY

Contents

Information provided in this website aims **to promote rejuvenation and replanting of coconut plantations in the Pacific region** using preferably local coconut varieties. It was launched by Dr Roland Bourdeix in the framework of the CIDP expertise on "Coconut Production and Seeds System in the Pacific Region", of which the **terms of references** of the expertise are summarized **here**.

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R. Bourdeix, K. Mapusua, N. Hussein, R. Lal, V. Kumar and J. Ollivier. 2025. Coconut planting material for the Pacific Region.

<https://replantcoconut.blogspot.com>.



The **Coconut Risk Management and Mitigation Manual** for the Pacific Region: 52 contributors from 26 countries! and two meetings held in 2018 in Fiji...

Twelve high definition coconut posters to print and pin in your office!

See the 24 technical recommendations from the CIDP meeting on Coconut Production and Seeds Systems in the Pacific Region held in April 2018 in Nadi, Fiji

Varieties for replanting

Where farmers can find good coconut seednuts?

Tall-type varieties

Dwarf-type varieties

Compact and "Super" Dwarf varieties

False and true ideas about coconut hybrids

How will evolve farmers' varietal choices and coconut palm ideotypes?

Variety, Cultivar, Population and Accession, what does it mean?

The world catalogue of coconut conserved germplasm

List of germplasm conserved in *ex situ* coconut genebanks

How to **download** and **extract data** from the **Coconut Genetic Resources Database**

COGENT recommendations about planting material

How some Thai farmers are becoming millionaires by producing aromatic coconut water!

Preparation of the world first regional coconut varietal contest

Selection of mother palms and seednuts

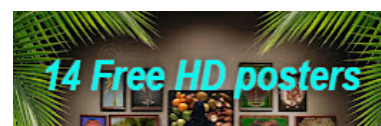
Understanding coconut reproductive biology

Traditional Pacific islanders methods for selecting palms and seednuts

Recommended method for selecting good parent palms

Advanced methods for improving local tall-type populations

The simplest way to produce hybrids!



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How farmers can produce Hybrid, Tall and Dwarf varieties in the same field!
The Polymotu concept for seednuts production

Use of genetic markers at nursery stage to select good varieties
Recommended seedbed and nursery management techniques

Needs for review and implementation of coconut breeding programs

Planting and replanting designs

Replanting old coconut groves

How to deal with old and unproductive coconut palms?

How many seednuts to plant one hectare?

Preparation of land and manpower for creating a new coconut plantation

Planting designs: classical, new and the newest!

A "new" idea: kill and replace the less productive palms!

Planting techniques: traditional, classical and organic

Farming systems and intercropping

Methods for assessing coconut fertilization requirements

Organic management of coconut plantations

Use of plant cover to reduce weeding and fix nitrogen

Legislations and list of authorised products for organic management

Organic management of coconut nurseries

Organic management of young and adult coconut plantations

Coconut seed systems

As debated in the Global Strategy for conservation and use of genetic resources, it seems possible to estimate roughly the number of coconut palms planted yearly at the global level. Coconut is cultivated as a crop on 12 million hectares, totaling approximately 1.44 billion palms, based on the likely average population density of 120 palms/ha. If we assume that coconut palms are replanted on average every 50 years, we can estimate that at least 28.9 million coconut palms (1/50, so 2%) need to be replanted each year simply to maintain a constant cultivated area. In fact the coconut area is presently increasing. Moreover, this first estimation does not take into account that a significant percentage of existing palms are already senile (more than 50 years old) and need to be replaced as soon as possible. Thus, this first estimation will have to be refined at the Pacific regional level, and for each Pacific country involved in CIDP project.

New tool for calculating the number of seednuts needed at national level

About the crucial importance of building databases of coconut farmers

Expert's view on incentives for boosting coconut sector

Coconut genebanks for seednut production

Overview by countries

-  Cook Islands
-  Federated States of Micronesia
-  Fiji
-  Kiribati
-  Marshall Islands
-  Nauru
-  Niue
-  Palau
-  Papua New Guinea
-  Samoa
-  Solomon Islands
-  Timor-Leste
-  Tonga
-  Tuvalu
-  Vanuatu



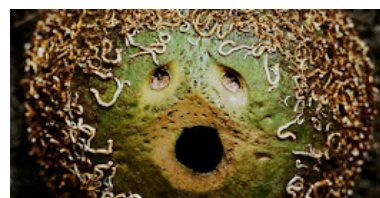
Other useful information and tools

Organization of the "train the trainers" meeting in Nadi, Fiji, 17 to 20 April 2018

Communication at the 48th APCC COCOTECH Conference in Bangkok, Thailand



Click! Global strategy



See our amazing coconut freaks!

ARTICLES LES PLUS CONSULTÉS



Technical recommendations from the CIDP meeting on Coconut Production and Seeds Systems in the Pacific Region held from 7 to 20 April 2018 in Nadi, Fiji.

By R. Bourdeix, N. Hussein and D. Dore A Training on Coconut Production and Seeds Systems in the Pacific Region was organized fro...



Planting designs: classical, new and the newest!

By Roland Bourdeix, April 2018. This topic has been temporarily transferred to our new Website: Coconut Ecomuseum To access it, click he...



False and true ideas about coconut hybrids

By Roland Bourdeix To download high definition posters please click here Yes! imagine you succeed to find the most performant coco...



Dwarf-type varieties

By R. Bourdeix Click to download Traditional coconut varieties are generally classified in four main types: Tall-types, which r...

Public lectures: Coconut renewal: Traditional and modern stories about the tree of life
A very short survey on risks and incentives in coconut cropping and value chain
[Twelve High Definition coconut posters to print and pin in your office!](#)

The Oryctes and Scapanes, pests of greatest concern
Coconut Pests & Diseases Toolkit and a new movie on diagnosis of phytoplasma diseases

Are you landscaping resorts or public places? coconut-based ecotourism
Recommended software (most of them free)
COGENT manuals and technical bulletins
How to make good coconut pictures
Use of a small drone to make coconut videos and pictures
Aluminium tags for parent palms and coconut harvest hooks as incentives

Last update in July 2025 by R. Bourdeix

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