



COCONUT :

The tree of life

USES OF COCONUT

... that can be developed into business enterprise

From coco meat:

- Copra (processed into oil with copra meal/cake as by-product)
- Virgin oil
- Coco flour
- Dissecated coconut

From coco water:

- Coco water
- Vinegar
- Toyo

From coco sap:

- Coco honey
- Coco sugar

USES OF COCONUT

From coco husk:

- Coco coir fiber - fascine
- Coir dust - doormats
- Coco twines - carpets
- Geonets
- Biologs

From coco shell:

- Charcoal -
- Coco shell buttons
- Novelty items such as bangles, hairclips, necklaces

BASIC COMPONENTS OF THE COCONUT FRUIT

<u>Component</u>	<u>% (weight basis)</u>
• Husk	33%
• Meat	30%
• Water	22%
• Shell	15%

NEW GENERATION COCONUT PRODUCTS & BY-PRODUCTS

1. Virgin Coconut Oil
2. Coco Sugar
3. Coco Flour
4. Coco Coir Fiber
 - coco twines
 - coconets
 - biologs
 - fascines
 - rugs/carpets
5. Coco peat



COCONUT COIR PROCESSING



**TO
BUCKS**



“May kwarta sa basura”



Through DECORTICATION PROCESS . . .

Ang Bunot ... currently considered as farm waste
can now be converted into money



In the decortication process...



Coir Fiber = 40%



Coco Peat = 60%



Coir fiber – is the natural hard fiber extracted from the coconut husk

**Uses of
coir
fiber**

- Used in making ropes
- cordage
- Geonets
- biologs
- bags
- packaging materials
- door mats
- mattings
- wall carpets
- rugs
- plant hangers
- furnishing fabrics
- insulation material

Mang Juan & his family have additional income from....



Baled
Coir fiber



additional income from....

Coco twines



additional income from....



Coconets



additional income from....



Biologs



additional income from....



Bags and Plant holders

additional income from....



Plant Hangers

additional income from....



Baskets

additional income from....



Fascines

additional income from....



Bed Mattress

additional income from....

- Installation of geonets and other coir-based products as protective cover and erosion control in sloping terrains and other vulnerable areas



Bio-engineering technology

additional income from....

Coco Peat or Coir dust

- a by-product of coir extraction. It accounts 60% of the coconut husk.



Uses of coir dust:

- as substitute for peat moss for horticultural uses and as soil conditioner
- as growing medium & potting mix for greenhouse, plantations & nurseries
- as materials for organic fertilizer making

Summary of value –adding of coconut husk

COIR PRODUCTS



BJMP Most Productive Inmates 2011



Inmates of
Bislig City
Jail
dooing
coir
twining
and
geonet
weaving

Local Market of Coir fiber-based products

- Mining companies (Taganito Mining, PGMC, Adnama, etc)
- Government institutions like DPWH, DENR, NIA, LGUs
- Exporters like Regwill Industries, Jobukin Inc.
- Construction companies
- Dole Philippines and other big plantations

EXPORT MARKET

- There are growing markets for coir products and by-products in Europe, Japan, South Korea, Brunei, Taiwan, USA and Canada.
- The Philippines has likewise broken new grounds in China.
- Considering the size of China, a multi million peso industry would rise in the Philippines with careful planning and aggressive effort of the local producers.

Market of Coir Dust or Coco Peat

Local Market:

- **Mining companies**
- **DPWH**
- **Construction companies**
- **Big plantations like DOLE, etc.**

Export Market

- **US, Canada, Mexico**
- **Germany, France, Netherlands, Spain,**
- **Japan, Korea, China, Mongolia, Egypt, Israel, UAE, Saudi Arabia**
- **Australia, New Zealand**

CHALLENGES TO PHILIPPINE COCONUT COIR INDUSTRY

- The Philippines has the capability to supply coconut fiber products to China & other international markets.
- The challenge for the Philippines to increase its production and competitiveness in the coming years are:
 - *Improvement of the coconut husk collection system*
 - *Development of efficient coconut fiber processing, drying & baling*
 - *More investments in equipment for value-adding of coir fiber*
 - *Increasing the awareness of the people on the importance and potentials of coir fiber and fiber-based products*



Daghang Salamat!