• Seasoned Cocopeat

Broadcast or apply seasoned cocopeat (>6 mos. old) in soil trenches 2 m away around the base of coconut



4). Coconut Coir-Based Organic Fertilizer (CCBOF)

Broadcast and fork-in 10 kg CCBOF at 2 m away around the base of coconut.



V. Frequency and Time of Application

- Anytime of the year
- Every six months
- Best at start and end of rainy season (in dry and intermediate growing zones)

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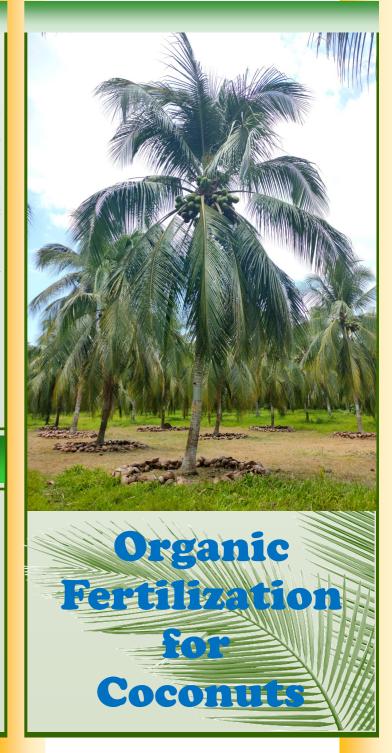
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I. Technology Description

Organic Soil Amendments originate from animal manure or farm wastes that undergone decomposition that can supply nutrient to plant. The total NPK requirement for organic soil amendments is 5-7% and with organic matter of ≥20%. It must be free from toxic substances such as *streptococci*, coliforms, *salmonella* and excessive heavy metals. Organic soil amendments can be enrich using microbial inoculant like, *Azobacter* nitrogen fixing bacteria.

RA 10068 known as "Organic Agriculture Act of 2010" refers to the policy of the State to promote, propagate, develop further and implement the practice of organic agriculture in the Philippines that will cumulatively condition and enrich the fertility of the soil, increase farm productivity, reduce pollution and destruction of the environment, prevent the depletion of natural resources, further protect the health of farmers, consumers and the general public and save on imported farm inputs.

II. Sources of Organic Materials and Their Composition

Table 1. List of organic materials and their nutrient composition*

	% Composition				
Material	N	Р	K	Ca	Mg
Cattle manure	1.2-2.0	0.4-0.6	1.0-1.2	-	-
Goat manure	2.4	0.9	2.0	-	-
Chicken dung	5.0	3.0	2.0	6.0	1.0
Pig Manure	3.0	4.0	2.0	-	-
Bat Guano	0.5	3.0	0.1	-	-
Rice straw	0.6	0.1	3.0	-	-
Coconut husk ash	-	0.6	17.0	0.5	-
Coconut husk	0.30	0.02	1.80	-	-
Coir dust	0.000025-	0.0044-	0.068-	-	-
	0.000050	0.0060	0.11		
Wood ash	-	1.5	4.0	22.0	-
Seasoned Cocopeat	0.46	0.05	1.74	0.69	0.13
Seaweed	1.1	0.4	0.3	-	-

*From various sources

III. Benefits of Organic Soil Amendments

- Cutting the cost of farm inputs
- Pest and disease control
- Farm residues and waste product management
- Balanced nutrient source
- Maintain long-term soil fertility
- Improvement of soil properties
- Increase soil biological activity
- Enhance biological diversity within the whole system
- Rely on renewable resources in locally organized agricultural system
- Higher consumer demand for organically-produced farm products

IV. Organic Soil Amendments for Coconut Fertilization

1) Biological N-Fixers

Apply trimmed herbage of biological N-Fixers at 2 m away the base of coconut.

Flemingia macrophylla Desmodium rensonii



Leucaena leucocephala Glir

Gliricidia sepium

2) Animal Manure

Broadcast and fork-in 10 kg dried goat manures at 2 m away around the base of coconut.



3) Coconut-Based Fertilizer Materials

Coconut Crown Residues

Pile crown residues 2 m away around the base of coconut



• Coconut Husk Mulching

Pile husk 2 m away around the base of coconut

