



NATIONAL ORGANIC AGRICULTURE BOARD

Resolution No. 05
Series of 2024

**APPROVING THE ORGANIC AGRICULTURE RESEARCH
FOR DEVELOPMENT (R4D) PRIORITY AREAS**

WHEREAS, Section 2 of Republic Act No. 10068 or the Organic Agriculture Act of 2010, as amended by Republic Act No. 11511, declares the policy of the State to promote, propagate, develop further, and implement the practice of organic agriculture in the Philippines;

WHEREAS, Section 5 of R.A. 10068, as amended, established the National Organic Agriculture Program (NOAP);

WHEREAS, Section 6 of R.A. 10068, as amended, created the National Organic Agriculture Board (NOAB) as the policy-making body that shall provide direction and general guidelines for the implementation of the NOAP;

WHEREAS, Section 21 of R.A. 10068, as amended, provides that the Bureau of Agricultural Research (BAR) shall serve as the lead agency in the formulation and implementation of a unified and integrated organic research, development and extension (RDE) plans and programs;

WHEREAS, the BAR is now accepting research for development (R4D) proposals, for funding and implementation in FY 2025, aligned with the Department of Agriculture's (DA) strategies and objectives to boost farm productivity and minimize production and postharvest cost;

WHEREAS, the BAR presented to the NOAB-TWG the identified priority organic R4D proposals focusing on animal nutrition, biofertilizer and soil amendments, and support to technology commercialization;

WHEREAS, the NOAB-TWG agreed instead to identify the priority commodities for organic agriculture and determine areas in the value chain as priority research agenda;

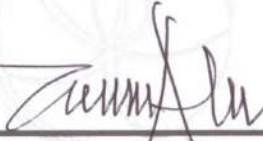
WHEREAS, the NOAB identified the following as priority organic commodities – purple yam, mango, pineapple, and banana; the Board also identified areas within the value chain – production, post-harvest, processing, marketing/distribution, consumption, and waste management – that needs further study (please see Annex A)”;

NOW, THEREFORE, this Board, by virtue of the power vested in it by R.A. 10068, as amended, has **RESOLVED**, as it is hereby **RESOLVED**, to endorse purple yam, mango, pineapple, and banana as the priority organic commodities;


RESOLVED FURTHER, that the Board shall endorse the identified researchable areas within the value chain for these commodities, subject to further review and finalization of the BAR;



APPROVED AND ADOPTED this 29th day of February 2024 via Cisco Webex Teleconference and at Farm Ridge by Desmond Farm, Pantabanga, Nueva Ecija, Region 3 by the following NOAB members present:



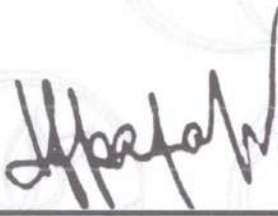
USEC. ZAMZAMIN L. AMPATUAN
 Chairperson
 Department of Agriculture (DA)
 Date signed: 03/19/24



ASEC. ELIZABETH N. LOPEZ DE LEON
 Vice - Chairperson
 Permanent Representative
 Department of the Interior and Local
 Government (DILG)
 Date signed: 03/07/24

DIR. VON MARK R. MENDOZA
 Permanent Representative
 Department of Agrarian Reform (DAR)
 Date signed: _____

DIR. GOMEL C. GABUNA, LIB, MDM, CESE
 Permanent Representative
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DIR. JUANITO T. BATALON
 Permanent Representative
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 (DOST)
 Date signed: 03/11/24

USEC. MARY JANE T. PACHECO
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DEP. DIR. GEN. ROSANNA A. URDANETA

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COMM. RHODEX P. VALENCIANO

Representative, Indigenous Farmers
 National Commission on Indigenous
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MR. GABRIEL A. ARUBIO
 Representative, Luzon Small Farmers
 Yakap at Halik Multi-Purpose
 Cooperative Cavite
 Date signed: 03/11/24

MR. GODYNEL D. ISEDENIA
 Representative, Visayas Small Farmers
 Aklan Provincial Organic Producers
 Association (APOPA)
 Date signed: 03/11/24

MR. MAEL ETHEL J. KAPUNAN
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MS. AIMEE LOO PAREDES
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HON. ROMMEL C. ARNADO
 Representative, National Organization of
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 League of Organic Agriculture
 Municipalities, Cities and Provinces of
 the Philippines
 Date signed: _____

MR. RODOLFO F. CORTEZ, JR.
 Representative, National Association of
 PGS Groups
 Participatory Guarantee System (PGS)
 Pilipinas
 Date signed: 03/06/24

Attested by:

DIR. BERNADETTE F. SAN JUAN, CESO II
 NOAB Secretary
 Date signed: 03/15/24

PRIORITY ORGANIC COMMODITIES AND RESEARCHABLE AREAS

COMMODITY

Organic Purple Yam

| ACTIVITY | | RESEARCHABLE AREA |
|---------------------------------|----------------------------------|--|
| PRODUCTION | Varieties | Varietal selection |
| | Seeds/planting materials | Appropriate propagation method for mass production of planting materials (seeds/cuttings/tubers/tissue culture) |
| | Season | On and off-season production |
| | Production system | Intercropping, companion crops, integrated cropping system |
| | Organic soil amendments | Requirement for optimum growth production |
| | Crop protection | Pest and disease assessment and management |
| | Harvesting | Recommended maturity indices |
| | Economic Analysis | Comparison between conventional and organic management in various locations |
| | Profitability | Cost and return analysis |
| POST HARVEST | Handling | Grading/sorting |
| | Storage (Coldchain) | Shelf life, storage pests, and causal organisms, storage condition (temperature, air circulation/ventilation) |
| | Transportation | |
| | Packaging Materials | Proper containers, labelling for traceability |
| PROCESSING | Primary Processing | Blanching/drying |
| | Product Development | Shelf life, nutritional analysis, potential as functional food; intended use (powder, jam, puree, medicinal) |
| MARKETING / DISTRIBUTION | Market Studies/Analysis | Market preferences and demands |
| | Price | What influences the price |
| | Current Markets | Competitors, target consumers/buyers (local or international) |
| | Profitability | Value-adding (raw or processed) |
| | Promotion | Marketing strategies |
| CONSUMPTION | Willingness to pay | Who are target consumers/buyers, where? |
| | Consumer preferences and demands | Volume and frequency requirements, availability/seasonality of demand |
| WASTE MANAGEMENT | Volume of waste (biodegradable) | Determine the waste output after harvest and processing; by-products and crop residues for composting, recommended processing as organic soil amendments |
| | Non-biodegradable waste | determine the waste output after processing (3R's) |

COMMODITY

Organic Mango

| ACTIVITY | | RESEARCHABLE AREA |
|--------------------------|----------------------------------|---|
| PRODUCTION | Varieties | Varietal selection (carabao, guimaras, santa elena, zambales) |
| | Seeds/planting materials | Appropriate propagation method for mass production of planting materials (multiple rootstocking) |
| | Season | On and off-season production (review past research results) |
| | Production system | Intercropping, companion crops, integrated cropping system (first two years) |
| | Organic soil amendments | Requirement for optimum growth production |
| | Crop protection | Pest and disease assessment and management (fruitfly, mango hoppers, twig borer, black sooty mold, anthracnose, mango scab); Proper bagging materials |
| | Harvesting | Recommended maturity indices; proper harvesting method and equipment |
| | Economic Analysis | Comparison between conventional and organic management in various locations |
| | Profitability | Cost and return analysis |
| | | |
| POST HARVEST | Handling | Grading/sorting |
| | Storage (Coldchain) | Shelf life, storage pests, and causal organisms, storage condition (temp., air circulation/ventilation) |
| | Transportation | Proper handling, container, controlled conditions |
| | Packaging Materials | Proper containers, labelling for traceability |
| | | |
| PROCESSING | Primary Processing | VHT-Vapor Heat Treatment, Fruitect (using turmeric-based treatment), alum treatment |
| | Product Development | shelf life, nutritional analysis, potential as functional food; intended use (pectin extraction, powder, jam, puree, dried, and other products) |
| MARKETING / DISTRIBUTION | Market Studies/Analysis | Market preferences and demands |
| | Price | What influences the price |
| | Current Markets | Competitors, target consumers/buyers (local or international) |
| | Profitability | Value-adding (raw or processed) |
| | Promotion | Marketing strategies |
| | | |
| CONSUMPTION | Willingness to pay | Who are target consumers/buyers, where? |
| | Consumer preferences and demands | Volume and frequency requirements, availability/seasonality of demand |
| | | |
| WASTE MANAGEMENT | Volume of waste (biodegradable) | Determine the waste output after harvest and processing; by-products and crop residues for composting, recommended processing as organic soil amendments; Value-adding pectin |
| | Non-biodegradable waste | Determine the waste output after processing (3R's) |
| | | |

COMMODITY

Organic Pineapple

| ACTIVITY | | RESEARCHABLE AREA |
|---------------------------------|----------------------------------|--|
| PRODUCTION | Varieties | Varietal selection (queen pineapple, Smooth Cayenne or Hawaiian) |
| | Seeds/planting materials | Appropriate propagation method for mass production of planting materials (multiple rootstocking) |
| | Season | On and off-season production (review past research results) |
| | Production system | Intercropping, companion crops, integrated cropping system (first two years) |
| | Organic soil | Requirement for optimum growth production |
| | Crop protection | Pest and disease assessment and management (rodents) |
| | Harvesting | Recommended maturity indices; proper harvesting method and equipment |
| | Economic Analysis | Comparison between conventional and organic management in various locations |
| | Profitability | Cost and return analysis |
| POST HARVEST | Handling | Grading/sorting |
| | Storage (Coldchain) | Shelf life, storage pests, and causal organisms, storage condition (temperature, air circulation/ventilation) |
| | Transportation | Proper handling, container, controlled conditions |
| | Packaging Materials | Proper containers, labelling for traceability |
| PROCESSING | Primary Processing | Washing, peeling, coring, slicing, drying, juice extracting, concentrating, sterilizing/ pasteurizing |
| | Product Development | Shelf life, nutritional analysis, potential as functional food; intended use |
| MARKETING / DISTRIBUTION | Market Studies/Analysis | Market preferences and demands |
| | Price | What influences the price |
| | Current Markets | Competitors, target consumers/buyers (local or international) |
| | Profitability | Value-adding (raw or processed) |
| | Promotion | Marketing strategies |
| CONSUMPTION | Willingness to pay | Who are target consumers/buyers, where? |
| | Consumer preferences and demands | Volume and frequency requirements, availability/seasonality of demand |
| WASTE MANAGEMENT | Volume of waste (biodegradable) | determine the waste output after harvest and processing, by-products and crop residues for composting, recommended processing as organic soil amendments; Value-adding |
| | Non-biodegradable waste | Determine the waste output after processing (3R's) |

COMMODITY

Organic Banana

| ACTIVITY | | RESEARCHABLE AREAS |
|---------------------------------|----------------------------------|--|
| PRODUCTION | Varieties | Varietal selection (cavendish, lakatan, saba) |
| | Seeds/planting materials | Appropriate propagation method for mass production of planting materials (corm, tissue culture) |
| | Season | |
| | Production system | Intercropping, companion crops, integrated cropping system |
| | Organic soil amendments | Requirement for optimum growth production |
| | Crop protection | Pest and disease assessment and management (Panama disease/Fusarium wilt), black sagatoka, bunchy top virus) |
| | Harvesting | Recommended maturity indices; Proper harvesting method and equipment |
| | Economic Analysis | Comparison between conventional and organic management in various location |
| | Profitability | Cost and return analysis |
| | | |
| POST HARVEST | Handling | Grading/sorting |
| | Storage | Shelf life, storage pests, and causal organisms, storage condition (temperature, air circulation/ventilation) |
| | Transportation | Proper handling, container, controlled conditions |
| | Packaging Materials | Proper containers, labelling for traceability |
| | | |
| PROCESSING | Primary Processing | Hot water treatment |
| | Product Development | Shelf life, nutritional analysis, potential as functional food; intended use |
| | | |
| MARKETING / DISTRIBUTION | Market Studies/Analysis | Market preferences and demands |
| | Price | What influences the price |
| | Current Markets | Competitors, target consumers/buyers (local or international) |
| | Profitability | value-adding (raw or processed) |
| | Promotion | Marketing strategies |
| | | |
| CONSUMPTION | Willingness to pay | Who are target consumers/buyers, where? |
| | Consumer preferences and demands | Volume and frequency requirements, availability/seasonality of demand |
| | | |
| WASTE MANAGEMENT | Volume of waste (biodegradable) | Determine the waste output after harvest and processing; by-products and crop residues for composting, recommended processing as organic soil amendments; Value-adding |
| | Non-biodegradable waste | Determine the waste output after processing (3R's) |
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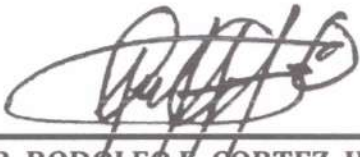
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 NOAB Secretary
 Date signed: 03 / 15 / 24