

Bureau of Agriculture and Fisheries Standards (BAFS) CY 2021 Annual Accomplishment Report

1. The Bureau of Agriculture and Fisheries Standards (BAFS), created through Republic Act 8435 (Agriculture and Fisheries Modernization Act of 1997), is mandated to develop and promote standards to ensure consumer safety and global competitiveness of Philippine agriculture and fishery products.
2. The BAFS' mandate was further strengthened by Republic Act 10601 (Agriculture and Fisheries Mechanization Law), Republic Act 10611 (Food Safety Act of 2013) and Republic Act 10817 (Philippine Halal Export Development and Promotion Act of 2016) directing the bureau to develop standards on agri-fishery machineries, tools and equipment, and food safety and Halal standards for primary and postharvest foods, respectively.
3. Since 2003, the BAFS has developed 325 Philippine National Standards (PNS) relevant to the agriculture and fishery sector covering the following, namely 1) crops (food and non-food) 2) livestock and poultry 3) fisheries and fishery, 4) machinery, equipment, and structure, 5) organic agriculture, and 6) *Halal*.
4. By virtue of the Organic Agriculture Act of 2010 (RA 10068) and its amended version RA 11511, the BAFS was mandated to:
 - a. Formulate and update standards relevant to organic agriculture;
 - b. Accredite third-party organic certifying bodies and Participatory Guarantee System (PGS) groups;
 - c. Register integrated organic farms, organic input producers, and organic inputs such as organic soil amendments (OSA) and organic biocontrol agents (OBCA); and
 - d. Monitor registered integrated organic farms and organic inputs; and enforce "organic" labeling requirements on agricultural and fishery products in the market;
5. To date, BAFS has two (2) officially accredited third-party organic certifying bodies, namely: OCCP-Inspection and Certification Services, Inc. (ICSI), and Control Union Philippines, Inc. (CUPI), and has registered fifty-nine (59) organic operators.

For this year, the following are the priority activities and accomplishments of the Bureau:

A. Bureau of Agriculture and Fisheries Standards (BAFS) Logical Framework (2021-2025)

After a series of internal workshops, the BAFS approved its Logical Framework covering the period of 2021-2025 on February 16, 2021. The approved Logical Framework highlights the contribution of the Bureau in ensuring consumer health and safety and making agri-fishery competitive and responsive to the One DA Holistic Approach.

In summary, the Bureau aims to achieve the following:

1. at least 75% of Philippine National Standards (PNS) on food safety are used as basis for mandatory regulations enforced by DA regulatory agencies by 2025;
2. at least 40% of PNS on quality are used as basis for mandatory regulations enforced by DA regulatory agencies by 2025;
3. at least 75% of PNS on food safety and 40% of PNS on quality are used in domestic trade of major agriculture and fishery products, tools, machineries, equipment and in the development of structures by 2025; at least 5% annual increase from the baseline of PNS are used to increase or sustain market access of major Philippine agriculture and fishery product exports.

B. Development of Philippine National Standards (PNS)

For FY 2021, the SDD developed 32 PNS related to crops (food and non-food), livestock and poultry, fish and fishery products, organic agriculture, halal, and Agriculture and Fishery (AF) machineries. This is equivalent to 160% of the total target of 20 PNS for FY 2021. Figure 1 shows the breakdown of the PNS developed per category.

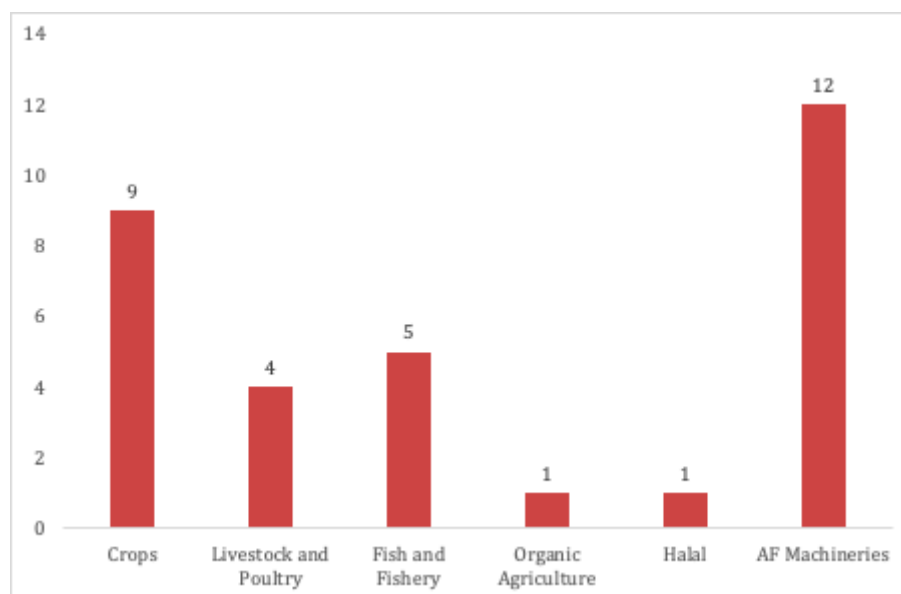


Figure 1. PNS developed in FY 2021, per category

Majority of the PNS developed were related to AF machineries (12), followed by crops (9) and fish and fishery products (5). The list of PNS are found in **Annex A**. Out of the total 32 PNS, 19 (59%) are food safety-related PNS which addressed specific food safety and quality issues. They are as follows:

1. Cacao Mass (Philippine *Tablea*)
2. Distilled Fermented Coconut Sap (*Lambanog*)
3. Garlic - Grading
4. Table Grapes – Specifications
5. Code of GAP for Fruits and Vegetables (amendment)
6. Code of Practice for the Organic Production of Traditional Rice Varieties
7. Maximum Residue Limits (MRLs) - Banana

8. MRLs - Mango
9. MRLs - Pineapple
10. Code of Practice for Cage-Free Egg Production
11. Chicken – Grading
12. Buffalo Milk - Specifications
13. Grouper -Live, Fresh Chilled or Fresh Frozen
14. Quick Frozen Finfish - Uneviscerated and Eviscerated
15. Raw Dried Seaweeds
16. Seaweeds - Code of Good Aquaculture Practices (GAqP)
17. Live and Raw Bivalve Molluscs (amendment)
18. Table Eggs Specifications (amendment)
19. Halal Raw Milk

C. Organic Agriculture Regulations

C.1 Permits and Registration

Regulatory Document	Type	Product	2021 Accomp	Target (Jan-Dec 2021)	% Accomplished
1. Permits <i>Experimental Use Permit -(EUP)</i> <i>Import Permit – (IP)</i> <i>Export Permit – (EP)</i> <i>Organic Biocontrol Agent – (OBCA)</i> <i>Organic Soil Amendment (OSA)</i>	EUP	OBCA	15	N/A	N/A
	Sub-total		15		
	IP	OBCA	24	20	190
		OSA	14		
	EP	OBCA	0		
		OSA	0		
	Sub-total		38		
2. Certificate of Registration	Inputs	OBCA	7		
		OSA	35		
	Farms	7			
	Sub-total		49		
Total (Less EUP)			86	60	143.33

1. Issued a total of 15 Experimental Use Permits (EUP) for organic bio-control agents (OBCA).

2. Issued a total of 86 regulatory documents – 38 Organic Importation/Exportation Permits and 49 Certificate of Registration/Product Registration or 143.33% accomplishment as of December 2021. Specifically, 190% for Permits, and 122.5% for COR/CPR were accomplished as shown in the above table.

C.2. Monitoring of Organic Agriculture Facilities and Products

Type	Scope	Targets (Jan-Dec 2021)	Accomplishment (Jan-Dec 2021)	% Accomplished
1. Facility	Production	11	3	155%
	Storage		14	
	<i>Sub-total</i>	<i>11</i>	<i>17</i>	<i>155%</i>
2. Product	OSA	14	12	143%
	OBCA		8	
	<i>Sub-total</i>	<i>14</i>	<i>20</i>	<i>143%</i>
TOTAL		25	37	148%

As shown in the table above (C.2), 12 remote monitoring activities were conducted, which generated a total of 37 monitoring reports: 17 facility monitoring reports and 20 product monitoring reports. With these accomplishments from January - December 2021, the average % accomplishment vis-a-vis the target is 148%, 155% for facility monitoring reports and 143% for product monitoring reports.

D. BAFS Quality Management System (QMS) and Operations Manual

With its commitment to deliver high quality products and services to its clientele, BAFS implements a Quality Management System (QMS) aligned with international standards. From 2016 to 2021, the Bureau was able to maintain its QMS certification by complying with the requirements of ISO 9001:2008 and then later on to its 2015 version.

On November 26, 2021, the Bureau underwent a surveillance audit and successfully maintained its certification attesting conformance to ISO 9001:2015 requirements with three (3) opportunities for improvement, one (1) positive/commendable finding and zero (0) non-conformities.

With the recent amendment of Organic Agriculture Act and streamlining of BAFS functions, the following processes are the updated scope of BAFS QMS for certification:

1. Development of Philippine National Standards for Agriculture and Fishery;

2. Provision of Official Accreditation to Organic Agriculture 3rd party Certification Bodies;
3. Registration of Organic Food and Organic Input Producers;
4. Monitoring of Registered Organic Operators; and
5. Promotion of Philippine National Standards through conduct of webinars.

The Bureau also remains committed to continually improving its system as it is among the selected beneficiaries of the Development Academy of the Philippines (DAP) for the Service Quality Innovation (SQI). On November 5, 2021, a masterclass was conducted to introduce the concept of SQI through co-creation. In 2022, succeeding activities such as workshops, SQI establishment and project incubation will be conducted which is aimed to be completed by February 2022.

Further, the Bureau developed an Operations Manual that aims to provide detailed description of its operations through procedures, work instructions and relevant forms. The Manual is divided into four (4) major parts namely:

1. BAFS Overview
2. BAFS QMS
3. BAFS Core processes; and
4. Administrative related processes.

The Manual is aligned with the procedures provided by the Bureau's citizen's charter and employees handbook. This will be updated regularly as deemed necessary to ensure relevance.

E. Information Dissemination Strategies on Adopted Philippine National Standards

In line with the approved Logical Framework, the Bureau re-aligned its strategies and activities relevant to information dissemination strategies for adopted Philippine National Standards. Guided by an annual target that will lead to 80% of developed PNS promoted through knowledge products and conduct of L&D activities by 2025, the Bureau was able to accomplish the following:

Seminar Awareness	12 webinars conducted with an average of 75.5% customer satisfaction rate, reach of 5,621 participants, and 57.4% participation rate.
Knowledge products developed	<p>Explanatory Brochure/Illustrative Guide</p> <p><i>Approved:</i></p> <ol style="list-style-type: none"> 1. Illustrative Guide on Mango 2. Illustrative Guide on Pineapple 3. Explanatory Manual for Good Aquaculture Practices (GAqP) <p><i>Draft</i></p> <ol style="list-style-type: none"> 1. Draft Explanatory Brochure on GAHP for Swine 2. Draft Explanatory Manual COHP for Meat

	<ol style="list-style-type: none"> 3. Draft Explanatory Manual Good Warehousing Practices (GWP) for Bagged Grains 4. Draft Illustrative Guide PNS Grains Classification 5. Draft Illustrative Guide PNS/PABES Rice Mill - Specifications and Methods of Test <p>Comics: <i>Approved:</i></p> <ol style="list-style-type: none"> 1. 12 comics strips on GAP Rice (YunPALAYun) 2. 6 comic strips aquaculture related standards (GAqP for Milkfish and Tilapia, Fresh chilled and fresh frozen Milkfish, Live, fresh chilled and fresh frozen Tilapia) 3. 7 comic strips Pinakbet vegetables (eggplant, sitao, squash, tomato, ampalaya) <p>Technical Bulletin <i>Approved:</i></p> <ol style="list-style-type: none"> 1. Technical Bulletin: Avian Influenza 2. Technical Bulletin: Melanosis in Shrimp <p><i>Draft</i></p> <ol style="list-style-type: none"> 1. Draft Technical Bulletin on Copra 2. Draft Technical Bulletin on antimicrobial resistance 3. Draft Technical Bulletin on Frozen Meat Quality and Safety 4. Draft Technical Bulletin on Safe Urban Gardening <p>Infographics <i>Approved:</i></p> <ol style="list-style-type: none"> 1. MRL of pesticides in milled rice 2. Veterinary drug residues in food: Maximum Residue Limits 3. PNS Pork 4. PNS Chicken Cuts
<p>Knowledge products registered with the National Library of the Philippines (NLP)</p>	<p>166 KPs registered with the following breakdown:</p> <ol style="list-style-type: none"> 1. 7 approved ISSN: Newsletter, Pamantayn, NOAP FY 2017-2025, Registered Organic SOil Amendments (OSA) and Organic Biological Control Agents (OBCA), Compendium of OA Regulations and Issuances, Annual Report and BAFS Strategic Plan 2. 159 approved ISBN: (152) PNS, (2) Illustrative Guides (Mango and Pineapple), (3) Comics (Yun Palayun!, Aqualing Galing! and Pinakbet Adventures ni Pina), (1) BAFS Manual of Operations, and (1) OBCA Manual

Active engagement of stakeholders in the social media platform (i.e. BAFS Facebook Page) and BAFS Website	<p>Followers gained on BAFS official Facebook page: 18,362 <i>(Target: 2,000 annually)</i></p> <p>Website visitors: 161,973 <i>(Target: 30,000 annually)</i></p> <p>Downloads of website information: 11,479 <i>(Target: 1,000 annually)</i></p>
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Through the development of various knowledge products and conduct of L&D activities, the BAFS was able to disseminate information on 39 PNS or 126% of the 31 PNS targeted for dissemination this year.

BAFS is also a registered publisher with the National Book Development Board and has registered BAFS account to NLP's International Standard Numbering Systems – Philippines Online Application Systems (INS-POAS).

A total of 12,022 copies of printed Philippine National Standards (PNS) were disseminated to various DA agencies and DA RFOs.

The 3rd issue of Pamantayan (January-June 2021), the official newsletter of the Bureau of Agriculture and Fisheries Standards (BAFS) was released. This year's first issue gives recognition to the lobbying efforts of smallholder organic farmers. Because of their collective voice, the Participatory Guarantee System (PGS) was recognized as an option for organic certification.

Through the BAFS Online Academy, a platform that provides a learning experience through online lessons, BAFS issued 134 certificates from the total of 413 enrollees. Four modules are available for the public. These are: (1) Online Capability Building on the Rules and Procedures on the Provision of Certification Assistance for Organic Agriculture Entities, (2) Online Training on the Philippine National Standards for Organic Agriculture (PNS OA), and the use of the National List of Permitted Substances for Organic Agriculture, (3) Risk-based Inspection (RBI): Conducting RBI during pre-assessment or organic farm management, and (4) Virtual Awareness Seminar on the Philippine National Standards for Organic Biocontrol Agents (PNS/BAFS 182:2016).

In line with the vision of BAFS as an accredited Continuing Professional Development (CPD) provider, the Bureau submitted the application for CPD accreditation to the Professional Regulations Commission (PRC). The application is now approved by the Council of Agriculture with CPD Accreditation No. AGR-2021-033.

F. Conduct of Research for Standards Development

In order to enhance the bases for the development of Philippine National Standards and policy recommendations by the Bureau, the Laboratory Services Division (LSD) conducts standards research in support of the Bureau's mandate.

For this year, BAFS LSD has completed its study on Pesticide Maximum Residue Limits (MRLs) in Cabbage and is currently working on other studies as shown below:

Study Completed:

Pesticide Maximum Residue Limits (MRLs) in Cabbage

This study examined literature on practices in setting national MRLs and their conformance with Codex Standards, and developed a comparative study on pesticide MRLs on cabbage. The setting of national MRLs of the countries/regions covered in the study (Japan, Canada, United States, Hong Kong, China, Taiwan, European Union, and the ASEAN) uses the risk analysis framework that includes risk assessment and monitoring. Countries refer to Codex, standards of exporting countries, and national laws in setting pesticide MRLs. A common practice for most developing countries is to adopt the Codex or the MRLs of exporting/importing countries when no specific MRL is established. Taiwan, however, does not automatically adopt Codex or standards of other countries. In the absence of a pesticide MRL, default or uniform limit is used in developed countries (e.g. Japan and EU uses a default or uniform limit of 0.01 mg/kg).

Results on the comparative study on pesticide MRLs on cabbage show that not all active ingredients registered by FPA have MRLs established by Codex nor by ASEAN. MRLs present in Codex and in national standards of countries studied vary widely and there is low level of alignment. Factors cited as contributing to non-alignment with Codex include: limit of analytical determination, unavailability of procedures for establishing MRLs, lack of resources to adopt new Codex standards, and differences in the description of commodities.

Studies In-Progress:

1. Risk Profiling
 - a. Salmonella in Poultry
 - b. Aflatoxin M1 in Raw Milk
 - c. Lead in Raw Milk

2. Exploratory Studies for Standards Development
 - a. Grading and Classification of Beef Carcass
 - b. Food Safety and Quality Requirements for Standards Development of Fresh-frozen Soft Shell Crab
 - c. Pesticide MRLs in Corn
 - d. Exploratory Study on Factors Affecting Shelf-life of Poultry Meat

G. Rationalization and Strengthening of DA Laboratories

In view of BAFS' role as the coordinating agency for the rationalization of DA Laboratories, per Department Order No. 4, s. 2017, BAFS conducts policy and planning activities for DA Laboratories.

The following are the major accomplishments:

1. Coordination, review, and consolidation of budget proposals of the Integrated Laboratories of DA-RFOs

BAFS, in collaboration with the Bureau of Animal Industry (BAI), Bureau of Plant Industry (BPI), and Bureau of Soils and Water Management (BSWM), has conducted policy and planning activities for the strengthening of the Integrated Laboratories. BAFS coordinated, reviewed and consolidated the Plan and Budget Proposals for the Operation and Maintenance of the Integrated Laboratories for FY 2022.

- 2.. BSS Project coordination

The project, "Enhancement of the Biosafety and Biosecurity Capabilities at the Department of Agriculture Veterinary Diagnostic Laboratories" (BSS Project) aims to strengthen the animal disease diagnostic laboratories of the Department. The BAFS, designated as the DA Project Management Office (PMO), has facilitated the implementation of the project, in collaboration with BAI and the project contractor. The BSS Project ended in the first quarter of 2021.

3. Updating of BAFS Laboratory Online Profiling System

Currently, the system data bank includes the following information from 165 DA Laboratories: contact information, laboratory services offered (samples and parameters analyzed, including methods used and service fee), equipment list and status of compliance with statutory laws and standards relevant to laboratory operation.

By using the system, lists of specified services and the DA Laboratories providing them were issued to requesting parties: the Organic Agriculture Division (OAD) of BAFS and the Maritime Industry Authority (MARINA) in the first semester. Improvements performed are in the Graphical User Interface (GUI) of the Administrator, harmonization of terminologies such as matrices, parameters and methods, additional Data Filtering. The updated BAFS Laboratory Online Profiling System provides a more efficient and systematized approach to information collection, organization, storage and reporting.

4. Updating DA Senior Officials on the Status of DA Laboratory Services

BAFS reported to DA Senior Officials the status of DA laboratory services based on the legal framework in place. There are 200 laboratories in the Department performing physico-chemical, microbiological tests for a total of 961 parameters in various types of commodities. The services offered and level of technology, analysis throughput varies among laboratories. Ten of the laboratories have ISO/IEC 17025 accreditation as of September 2021. Some laboratories are compliant with the ISO/IEC 17025

requirements at varying degrees. As a way forward, a priority action would be the development of a National Strategic Development Plan for the whole of DA.

5. Drafting and facilitating the issuance of laboratory policy

BAFS initiated the drafting and consultation, and facilitated the issuance of DO 6 s. 2021, *“Revised Policy on Rationalization and Strengthening of the Department of Agriculture (DA) National and Regional Laboratory Services”*. This DO consolidated the provisions of policies relevant to laboratories: the DO 4, s. 2017, DO 10 s. 2018 and DO 1 s. 2021; plus, additional provisions. DO 6 s. 2021 identified the Food Development Center as the Coordinating Agency for DA laboratories as provided in the Implementing Rules and Regulation of the Food Safety Act. Further, it redefined the responsibilities of the national and regional laboratories and support agencies (DA-PMS, DA-FMS, DA-ICTS and BAFE).

H. Development of Implementing Rules and Regulations (IRR) of the RA 10068 (Organic Agriculture Act of 2010) as amended by RA 11511, and related technical regulations.

With the amendment of RA 10068 through the RA 11511, BAFS, as tasked by the National Organic Agriculture Board, facilitated the development of the IRR of the said amended law. The final draft was endorsed to the National Organic Agriculture Program on March 29, 2021. Consequent to the IRR, the Bureau commenced the development of the following technical regulations:

1. Guidelines for the Operation of Participatory Guarantee System (PGS) Groups as Organic Certifying Bodies (OCBs);
2. Guidelines for Accreditation of Core PGS groups as OCBs;
3. Guidelines for Handling Complaints and Appeals;
4. Guidelines for Monitoring of Registered Organic Operators and Agricultural Products with Organic Claim; and
5. Guidelines on the Enforcement of Organic Labeling Requirements and Maintaining Organic Integrity at Retail

Moreover, by virtue of the amended law, the Organic Agriculture Division was restructured to ensure the effective operationalization of the new and modified regulatory mandates of the Bureau.

I. Policy Recommendations Endorsed for Approval

The following policy recommendations were endorsed to the Department of Agriculture (DA) for approval:

1. Department Circular No. 4, s.2021 - Department Order Institutionalizing the Collaboration between BAFS and DA RFOs aims to strengthen the coordination mechanisms between BAFS and DA-RFOs to ensure efficient and effective working arrangements in the areas of standards development, promotion and adoption, and organic agriculture regulations at the regional and local levels.
2. Draft policy recommendation for the adoption of food safety-related PNS as basis for technical regulations to ensure that technical regulations are adopted from standards that are based on science, risk analysis, scientific advice from expert bodies, and are harmonized with regional and international standards, where these exist and are applicable, thereby strengthening the scientific basis of the regulatory system.
3. Memorandum Circular No. 12 s. 2021 - Establishing a Sustainable and Effective Biosafety, -Security and -Surveillance (BSS&S) System in the Department of Agriculture and adopting the Plan of Action and Milestones (POA&M) as its Roadmap.
4. Revised Policy on Rationalization and Strengthening of the Department of Agriculture (DA National and Regional Laboratory Services). This revised policy aims to bolster the implementation efforts in rationalizing and strengthening the DA national and regional laboratory services. Provisions of the policy include integration of Department Order Nos. 4, s. 2017 and 10, s. 2018 and the transfer of coordination functions from BAFS to the Food Development Center (FDC).

J. Foreign Assisted Project

World Trade Organization - Standard Development and Trade Facility (WTO-STDF) Project Preparation Grant “Piloting the Use of Regulatory Impact Assessment within the Realm of Good Regulatory Practices in the Agriculture and Fisheries Sector in the Philippines” (STDF/PPG/722)

On November 13, 2019, the project preparation grants (PPG) submitted to the Standards and Trade Development Facility (STDF) was approved. This was entitled: **Piloting the Use of Regulatory Impact Assessment Within the Realm of Good Regulatory Practices in the Agriculture and Fisheries Sector in the Philippines.**

The primary goal of the PPG is to develop useful tools in the realm of Sanitary and Phytosanitary (SPS) related matters through development and application of regulatory impact assessment (RIA). Through the PPG, external consultants were hired to facilitate the development of the 3-year proposal that will focus on the technical interventions towards the institutionalization of RIA in the agri-fishery regulatory system. Further, below provides additional details regarding the PPG:

External Consultants:

Dominique Lam: Economic advisor, UK Treasure (2019-on going)

David Vannier: Chief of Protocol, Advisor and Senior Communication Officer,
International Monetary Fund (IMF)

Deliverables

Background research/literature survey (short report)

Guide questionnaire/Guide to discussion

Interviews with relevant stakeholders

Preliminary analysis

Project Development: Comprehensive Project Proposal

Brief report of work carried out (Accomplishment Report)

The following diagram provides the summary of activities conducted in relation to this project:



**interviews:*

DA agencies - BAI, NMIS, BPI, BFAR, NDA, PCA, FPA, BAFS,

Non-DA agencies - DOT, NEDA, ARTA, DAP, House of Representatives

1 private sector - Meat Exporter

The PPG will be completed by March 2022 with the submission of a 3-year project proposal by the external consultants.

Annex A
List of Approved PNS (per category)

1. Crops (Food and Non-Food) (n=9)

No.	PNS/BAFS	Title	Date of Approval
1	PNS/BAFS 111:2012/2021	Cacao Mass (Philippine <i>Tablea</i>) (amendment)	February 19, 2021
2	PNS/BAFS 47:2021	Distilled Fermented Coconut Sap (<i>Lambanog</i>)	June 4, 2021
3	PNS/BAFS 51:2007/2021	Garlic – Grading (amendment)	June 29, 2021
4	PNS/BAFS 313:2021	Table Grapes - Specifications	July 28, 2021
5	PNS/BAFS 49:2017/2021	Code of GAP for Fruits and Vegetables (amendment)	November 16, 2021
6	PNS/BAFS 318:2021	Pineapple Fiber - Grading and Classification	November 16, 2021
7	PNS/BAFS 161:2015/2021	MRLs for Banana (amendment)	November 22, 2021
8	PNS/BAFS 160:2015/2021	MRLs for Mango (amendment)	November 22, 2021
9	PNS/BAFS 159:2015/2021	MRLs for Pineapple (amendment)	November 22, 2021

2. Livestock and Poultry (n=4)

No.	PNS/BAFS	Title	Date of Approval
10	PNS/BAFS 312:2021	Code of Practice for Cage-Free Egg Production	June 29, 2021
11	PNS/BAFS 314:2021	Chicken - Grading	July 28, 2021
12	PNS/BAFS 317:2021	Buffalo Milk	October 13, 2021
13	PNS/BAFS 321:2021	Shell Eggs (Chicken and Duck) – Product Standard – Classification and Grading	November 22, 2021

3. Fish and Fishery (n=5)

No.	PNS/BAFS	Title	Date of Approval
14	PNS/BAFS 73:2009/2021	Grouper - Live, fresh chilled or fresh frozen (amendment)	August 31, 2021
15	PNS/BAFS 71:2008/2021	Quick Frozen Finfish - Uneviscerated and eviscerated (amendment)	September 3, 2021
16	PNS/BAFS 85:2012/2021	Raw Dried Seaweeds - Product Standard (amendment)	September 29, 2021
17	PNS/BAFS 208: 2017/2021	Good Aquaculture Practices for Seaweeds (amendment)	October 13, 2021
18	PNS/BAFS 89:2011/2021	Live and Raw Bivalve Molluscs - Product Standard (amendment)	November 2, 2021

4. Organic Agriculture (n=1)

No.	PNS/BAFS	Title	Date of Approval
19	PNS/BAFS 319:2021	Code of Practice for the Organic Production of Traditional Rice Varieties	November 16, 2021

5. Halal (n=1)

No.	PNS/BAFS	Title	Date of Approval
20	PNS/BAFS 320:2021	Halal Raw Milk	November 16, 2021

6. AF Machineries and Infrastructures (n= 12)

No.	PNS/BAFS	Title	Date of Approval
21	PNS/BAFS 308:2021	Lairage - Swine	April 13, 2021
22	PNS/BAFS 309:2021	Lairage - Ruminants	April 22, 2021

23	PNS/BAFS 310:2021	Large Ruminant Restrainer - Specifications	June 11, 2021
24	PNS/BAFS 311:2021	Large Ruminant Restrainer - Methods of Test	June 28, 2021
25	PNS/BAFS 315:2021	Postharvest Machinery - Mechanical Peanut Thresher - Specification	September 29, 2021
26	PNS/BAFS 316:2021	Postharvest Machinery - Mechanical Peanut Thresher - Method of Test	September 29, 2021
27	PNS/BAFS 251:2021	Corn Mill - Specifications (amendment)	November 9, 2021
28	PNS/BAFS 252:2021	Corn Mill- Method of Test (amendment)	November 9, 2021
29	PNS/BAFS 322:2021	Agricultural Tramline Systems (ATS) - Specification	December 14, 2021
30	PNS/BAFS 323:2021	ATS - Methods of Test	December 14, 2021
31	PNS/BAFS 324:2021	Solar-Powered Irrigation System (SPIS) - Specification	December 21, 2021
32	PNS/BAFS 325:2021	SPIS - Methods of Test	December 21, 2021