

STATUS OF PROGRAM IMPLEMENTATION

As of December 2020
National Dairy Authority



THE DAIRY INDUSTRY DEVELOPMENT PROGRAM (Overall Program)

The Dairy Industry Development Program aims to develop the local dairy industry through policy direction, program coordination and implementation towards the enhanced growth and competitiveness of the Philippine dairy sector, specifically to improve livelihood opportunities and thereby increase incomes of small rural-based dairy farmers, to contribute to food security and to provide safe, quality milk products and proper nutrition for consumers. It involves the development of dairy business enterprises owned and managed by dairy cooperatives and or dairy federations in various dairy zones all over the country.

As the sole government agency that serves as the central policy determining and directing body mandated thru the National Dairy Development Act (RA7884) to carry out the Dairy Industry Development Program, the National Dairy Authority (NDA) possesses the power to formulate and execute dairy programs that will see the achievement of the purpose of the law.

The NDA has created programs and projects that will increase the base population of dairy animals to increase milk volumes, empower dairy farmers and other stakeholders, facilitate the provision of dairy facilities and equipment, provide access to market and promote the marketability of locally produced milk. The four main programs that NDA pursues implementation include the Herd-Build-Up Program, Dairy Enterprise Development Program, Milk Feeding Program, and the Milk Quality Assurance Program.

Status of Implementation:

The Philippine Dairy Industry Performance:

Only dairy registered an increase in volume and the highest increase in value of production at around 10% and 18% respectively.

According to PSA, the uptrend in dairy was noted due to more animals on the milk line.

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Performance of the Dairy Sector January – December, 2020

Livestock Sector	Volume- '000 MT			Value – Million Pesos		
	January-December			January-December		
	2019	2020	% Change	2019	2020	% Change
Hog	2296.65	2142.65	-6.71%	247,482	249,655	0.88%
Cattle	260.62	229.13	-12.08%	29,688	28,292	-4.70%
Carabao	140.66	120.41	-14.40%	13,992	12,668	-9.46%
Goat	76.36	71.72	-6.08%	11,520	11,227	-2.54%
Dairy	24.38	26.71	9.56%	1,023	1,207	17.99%

Basic Source: Performance of Phil. Agriculture, Jan-Dec. 2020, Philippine Statistics Authority (PSA)
Gathered and processed by NDA-PMESD

Total dairy production reached 26.71 thousand MT-level and grossed Php1.21 Billion at current prices. On the weighted average, farm gate price of dairy reached to Php45.19 per liter.

MAIN PROGRAMS

1. HERD BUILD-UP PROGRAM

Objective: To increase the dairy animal population and expand milk production volume in the country.

Activities:

1. Production of local dairy animals thru breeding activities, upgrading of local or native stocks into dairy breed, creation of local sources of dairy cattle thru multiplier farms, and the application of dairy technologies for genetic improvement.
2. Infusion of dairy animals thru importation of dairy breeds.
3. Procurement of locally produced dairy cattle.

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Status of Implementation:

Growth in Dairy Animal Inventory and Milk Production

Total dairy herd and milk production increased by 3% and 17% respectively as of December 2020 in NDA-assisted/monitored areas.

Indicators	As of December 2019	As of December 2020	% Growth
No. of Dairy Herd	54,961	56,584	3%
Dams and Does	24,843	25,505	3%
Milk production ('000 liters)	17,220.66	20,226.09	17%
Milk production/day ('000 liters)	47.18	55.26	17%

GROWTH IN THE DAIRY GOAT SECTOR

The total goat inventory as of December 2020 is at 21,100 compared to last year's 18,693 heads.

In an effort to develop dairy goat farming, farmers in the rural areas would have more livelihood opportunities as the National Dairy Authority (NDA) implements a dairy goat project that was approved last 11 October 2018 funded under the US PL480. It aims to develop the local dairy goat industry and contribute to the increase in local milk production. The dairy goats funded by the project will arrive in 2021.

BUY-BACK ENGAGEMENT FOR LOCALLY PRODUCED DAIRY ANIMALS

The Buyback program of the NDA which serves as an effective strategy to provide locally sourced dairy animals to interested dairy farmers is continuously implemented in all dairy areas. Through the program, the NDA procures local-born dairy animals from qualified dairy farmers, and these animals are distributed to interested new and existing dairy farmers. The Buy-back program is part of the Herd Build-up Program of the NDA.

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From January to December 2020, **313** heads were bought and distributed to interested dairy farmers and cooperatives nationwide valued at **Php28 million**.

TECHNICAL SERVICES RENDERED AS OF DECEMBER 2020:

Number of dairy animals bred	8,963
Number of dairy animals upgraded	4,143
Number of dairy animals vaccinated	4,057

2. DAIRY ENTERPRISE DEVELOPMENT PROGRAM

Objective: To ensure the marketability of locally produced milk and the viability and sustainability of local dairy enterprises

Activities:

1. Conduct of capability building through trainings regarding dairy technology to interested stakeholders.
2. Facilitate the access to dairy inputs (infrastructure i.e. processing plants, collection centers, dairy equipment, and capital-thru credit facilities).
3. Conduct of marketing activities, dairy fora, and other activities that promote local milk and milk products and their consumption.

Status of Program Implementation:

Capability Building

NDA successfully conducted 76 trainings benefiting 1,186 farmers and extension personnel on Forage and Pasture Establishment and Management, Advance Artificial Insemination and Pregnancy Diagnosis Training, Corn Hydroponics, Silage Making Seminar, Basic Dairy Husbandry Seminar, Dairy Goat Husbandry Training, Dairy Herd Management Training, Food Safety Milk and Handling Hygiene and Sanitation and Product Demo, and PL480 Farmers' Technical Training on Dairy Goat Farming. It is the responsibility of the NDA to conduct trainings that will hone the dairy workforce, making the industry more competitive.

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Local Milk Promotion Initiatives

NDA celebrates 25th Foundation Anniversary

The National Dairy Authority (NDA) and its dairy partners celebrated its 25th founding Anniversary last March 10, 2020 with the theme **“Sapat, Ligtas at Masustansyang Gatas para sa Ani at Kitang Mataas”**

The event highlighted the agency’s goal of ensuring the availability of safe and nutritious milk while also pursuing increased productivity and profitability of dairy farmers.

World Food Day 2020 Celebration

The National Dairy Authority (NDA) partnered with local dairy farmers to provide fresh, nutritious milk to the country’s frontline workers who continue to do their duties amid the COVID-19 crisis.

From May 29-30, 2020, the NDA, through its South Luzon and Southern Mindanao Departments, distributed a total of more than 800 liters of locally-produced milk to selected frontline workers in Laguna, Batangas, and Sarangani Province to help them boost their immune system and at the same time, highlight the importance of milk as a healthy and nutritional food especially in this time of the pandemic.

Dairy Promotion thru Radio Guesting

Radio guest at *Radyo Aguila* DYFX in Cebu last 14 February 2020 wherein the NDA major programs and existing projects as well as where to write to avail of the programs were discussed. Promotion of dairying is one way to expand the business of dairying in the region. Another radio guesting invitation at *Maunlad na Pilipino* 702 DZAS - *Radyo TV!* last August 5, 2020, discussed and promoted the NDA’s Milk Feeding Program. This is line with the NDA’s program to promote the consumption of local milk.

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Dairy-Skwela Webinar Series

The National Dairy Authority (NDA) adapted to the “new normal” by hosting a webinar series called “Dairy-Skwela.”

Despite the challenges and limitations brought about by the COVID-19 pandemic, the dairy agency intends to continuously promote its programs and services and share important information on dairy farming using the online platform.

Topics discussed were as follows:

Date	Lesson	Number of People Reached
June 26, 2020	Paano Magsimula sa Dairy Farming	8.7K
July 3, 2020	Animal Loan Program	18.0K
July 10, 2020	Preparation for the Arrival of Animals	5.6K
July 17, 2020	Dairy Herd Build-Up Strategies	8.3K
August 29, 2020	Intensified Community-based Dairy Enterprise Development	6.3K
September 25, 2020	Intensified Community-based Dairy Enterprise Development Requirements	6.9K
October 14, 2020	How to Make Mozzarella Cheese	7.1K

3. NATIONAL MILK FEEDING PROGRAM

Objectives: To create livelihood opportunities for dairy farmers and improve the nutritional status of malnourished children.

To promote the consumption of healthy food particularly locally produced milk and milk products.

Activities:

- Facilitate milk feeding activities.
- Seek milk feeding sponsors to support the program.

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The Milk Feeding Program provides milk to community and school-based children at risk of malnutrition as well as the elderly, pregnant women and lactating mothers at a feeding period of 120/200 days. Each beneficiary receives a 180 to 200 ml pack of fresh milk or chocolate flavored milk per day five (5) times a week Monday to Friday.

The objective is that by the end of 120/200-feeding days, the children will be rehabilitated or have improved their nutritional status through weight and height gain by one to two status levels while for the other vulnerable groups, their nutritional requirement will at least be met. The program, in effect, provides livelihood opportunities and additional income to families who are engaged in dairy production and processing.

Status of Implementation:

MILK FEEDING INITIATIVES

The NDA is implementing the milk feeding program component of Republic Act 11037, otherwise known as the Masustansyang Pagkain Para sa Batang Pilipino Act, in partnership with the Department of Education (DepEd). A total of 831,633 public elementary school children is set to benefit by the end of the current implementation cycle. Implementation schedule was delayed due to the pandemic. The implementation started in 4th quarter of 2020 and only a total of **243,310** children benefitted. However, the remaining balance of the children beneficiaries were fed within 1st quarter of 2021.

The NDA is also currently in talks with the Department of Education (DepEd) and the Department of Social Welfare and Development (DSWD) for future partnerships with the milk feeding program.

The NDA conducted also milk feeding activities benefitted a total of 1,897 children using the balance of 2019 Milk Feeding GAA funds.

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4. MILK QUALITY ASSURANCE PROGRAM

Objective: To regulate milk production and postharvest handling in compliance with the Food Safety Act (RA 10611),

Activities:

- Enforcement of the Dairy Safety Regulations which includes the Dairy Codes of Practice, Risk Management Plan and Audit Design for Dairy Farms and Milk Collection Centers.
- Conduct a complete dairy farm inspection and audit.
- Put in-place an effective system for handling milk crisis.
- Facilitate and conduct training of Dairy Safety Officers (DSOs), Dairy Safety Compliance Officers (DSCOs), and stakeholders.
- Conduct nationwide discussions on the Dairy Safety Regulations to inform all stakeholders.

Status of Program Implementation:

In preparation for the Dairy Farm Registration, audit, and licensing activities as mandated by RA 10611, the NDA have conducted the following activities:

✓ **Dairy Farmer Profiling**

The Food Safety Team of NDA has completed the Dairy Farmer Profiling of all Dairy Business Operators (DBOs) all over the country. Each DBO was assessed and evaluated based on their capacity to comply with the Dairy Safety Regulatory (DSR) numbering to 1,574. The Dairy Farmer Profiles were consolidated into a single repository system of the Milk Quality Assurance and Product Development Division (MQAPDD) as the overseer of the Food Safety Program.

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✓ Dairy Safety Seminar

During the week-long celebration of NDA's 25th Anniversary last 9-13 March 2020, the Food Safety Team conducted a seminar on Dairy Safety. The seminar tackled various topics regarding food safety in the dairy sector. The scope covered from primary production of raw milk in the dairy farms, post-harvest handling such as transport, storage, and processing of raw milk, up to the proper handling of processed milk in the market shelves. Also, during the session, the Food Safety Team of North Luzon Department had set up booths promoting Dairy Safety by distributing DSR booklets to interested attendees.

✓ Dairy Safety Kits Distribution

NDA has procured dairy safety kits to be distributed to the identified DBOs during the farmer profiling. Each kit includes the basic test kits as required in the DSR. These kits ensure that farmers conduct farm and plant operations with required Personal Protective Equipment (PPE) such as hairnet and apron. The kits also include filters to remove physical dirt from milk. The kits ensure that milk are safe and with quality. A total of 1,111 kits were delivered in the Visayas and Mindanao regional offices to be distributed to DBOs to assist them in complying with the Dairy Safety Regulations and ultimately the Food Safety Act of 2013.

✓ Introduction to Food Safety Program

The NDA Food Safety Team has conducted the *Introduction to Food Safety Program* for NDA personnel. The objective of the activity is to provide awareness to the existing and new NDA technical personnel, including the PL480 project Quality Assurance personnel, on the food safety programs, activities, and projects of the Agency. The activity aimed to make the technical personnel more familiar with how the food safety programs will be implemented and what would be their roles and contributions to the success of the program. The activity was attended by more than 37 NDA personnel.

Webinar on Dairy Safety Regulations (DSR) Implementation

As part of the food safety program implementation, the NDA Food Safety Team conducted a *Webinar on DSR Implementation* as a continuation for the lined up activities for food safety. The aim is to cascade to the responsible NDA personnel their roles and responsibilities in the implementation of the

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DSR, which was divided into administrative and technical tasks. The activity was attended by more than 54 NDA participants.

✓ **Stakeholders' Training Writeshop on Risk Management Plan (RMP)**

Amid the catastrophe brought about by the effects of the pandemic, the NDA Regional Food Safety Team tirelessly continued the *Stakeholders' Training Writeshop on RMP* to assist the Dairy Business Operators (DBOs) in complying with the DSR. Prior to the said activity, a strategic planning activity was conducted to ensure the safety of both the participants and facilitators in conducting the training writeshop. Facilitators may identify the most appropriate tool to conduct the activity: either virtual or physical but with limited number of participants. Although challenges were met during the conduct of the activity, the NDA Regional Food Safety Team managed to train 200 DBOs, with a total accumulated number of 377 DBOs.

✓ **Safety and Quality Assurance Laboratory Services**

The newly renovated NDA-CO laboratory has capabilities of testing physico-chemical properties of milk such as butterfat, protein, pH, and specific gravity/density, and its microbiological quality in terms of aerobic plate count, coliform and E. coli count, as well as testing animal health through direct microscopic somatic cell count (DMSCC), and milk safety tests such as antibiotic residue tests (ART) and aflatoxin M1 detection. These services are offered to NDA-assisted DBOs, Milk Feeding Program (MFP) suppliers, and other walk-in clients.

With the addition of NDA-CO laboratory, a total of 875 various milk and dairy products were tested for its safety and quality.

SERVICES PROVIDED DURING THE ENHANCES COMMUNITY QUARANTINE

While the NDA was not given funds under the *Bayanihan 2* funds to aid in COVID-19 response and recovery, it was able to assist farmers and frontliners using its corporate funds through the following programs under the Dairy Recovery Plan:

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1. NDA donates milk to frontliners

In line with the National Dairy Authority's We Drink Milk as One: Milk Distribution Program, which aims to boost our frontline workers' immune system while also supporting our local dairy farmers amid the COVID-19 pandemic, the National Dairy Authority distributed free milk to frontliners across the country especially the health workers as part of its Milk Buying Program.

The National Dairy Authority (NDA) mobilized its staff across the nation to assist all farmers through a milk buying scheme where milk products from local milk processors/processing plants who are affected by the decreased marketing activities were bought and donated to frontline workers in various hospitals and frontline agencies. More than 99,000 liters have been distributed to 89,265 beneficiaries since program started in April 2020.

2. NDA distributes corn fodder to assisted farmers

Amplifying its production support to local dairy farmers and ensuring the proper nutrition and management of their animals amid the COVID-19 pandemic, the National Dairy Authority (NDA), through its Regional Departments, distributed corn fodder to its assisted dairy farmers. A total of more than 1.65 million kilograms of corn fodder were distributed to 819 dairy farmer beneficiaries all over the country since the program started in April 2020.

3. NDA urges LGUs to add local dairy farmers' milk in the food rations

The National Dairy Authority (NDA) urged the Local Government Units (LGUs) to include locally-produced milk in the food packs that are distributed to families affected by the Luzon-wide Enhanced Community Quarantine (ECQ) due to COVID-19. A letter was sent to city and municipal mayors explaining that "fresh milk is an important component in every diet" and "is a major source of energy, protein, and calcium essential for the maintenance of a healthy body." NDA committed to provide assistance by facilitating the negotiation between the LGUs and the dairy farmers who will supply the milk. Davao City government has allocated funds for the purchase of milk produced by local dairy farmers who have been affected by the current crisis. Since April 2020, the city has already bought a total of P1 million worth of milk as part of the food packs that were distributed to its constituents. Assisted dairy farmers and cooperatives of the National Dairy Authority (NDA) including Kim's Milk Corporation, Gonzaga Farm

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and Federation of Davao Dairy Farmers Cooperatives (FEDDAFC) were tapped as the suppliers of milk for the said distribution. Through this initiative, the city government aims to provide a ready market for local dairy farmers and at the same time, meet the nutritional needs of Davaoños.

4. **NDA provides marketing support to farmers amid COVID-19**

To help its dairy partners sell their milk, the NDA uses the social media to advertise their products and to disseminate information on the nutritional and health properties of milk which may be beneficial in boosting one's immune system. Along with this, the NDA has also set up milk outlets in its central and regional offices as well as in several Kadiwa ni Ani at Kita sites nationwide to provide dairy farmers and processors a stable market even during the quarantine period. Other support services provided by the agency include the issuance of letter urging the Department of Social Welfare and Development (DSWD) Local Government Units (LGUs) to include milk in the food rations and the granting of certification to dairy partners to ensure unhampered delivery of dairy products.