



Republic of the Philippines  
**PHILIPPINE STATISTICS AUTHORITY**  
Quezon City

# DAIRY INDUSTRY PERFORMANCE REPORT

January - December 2014



May 2015



## **EXPLANATORY NOTES**

The Dairy Industry Performance Report presents the industry situation in terms of total inventory of dairy animals by classification; milk production by animal type and by source; disposition of milk production, total supply and utilization of dairy products; and volume and value of dairy imports and exports.

The various dairy statistics used in this report are products of collaborative efforts between and among the Philippine Statistics Authority (PSA), the National Dairy Authority (NDA) and the Philippine Carabao Center (PCC). BAS conducts the Semi-annual Survey of Dairy Enterprises in selected provinces where dairying exists. The survey is intended to generate data on inventory of dairy animals by type and breed, milk production of dairy animals by type and disposition. Systematic sampling is employed in drawing samples for individual and backyard carabao dairy farms. Complete enumeration is applied on top producing dairy cooperatives, commercial farms, government-owned and private institutions, for all types of animals i.e. cattle, carabao and goat.

The National Dairy Authority (NDA) provides PSA-BAS with data on inventory of dairy cattle and milk production generated from the monitoring records of NDA-assisted dairy cooperatives. The Philippine Carabao Center (PCC) provides PSA with dairy data generated from the monitoring records of the PCC-assisted carabao dairy cooperatives and federations as well as from the institutional dairying activities of PCC Centers in selected regions and university campuses in the country e.g. University of the Philippines at Los Baños.



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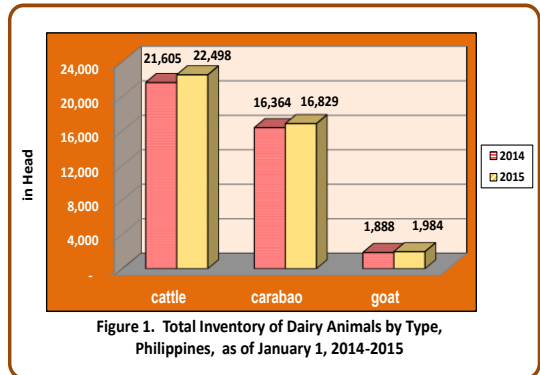
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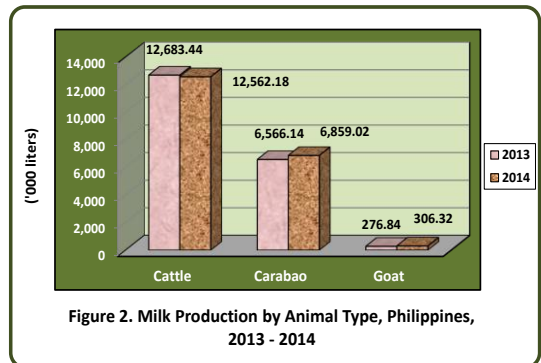


## HIGHLIGHTS

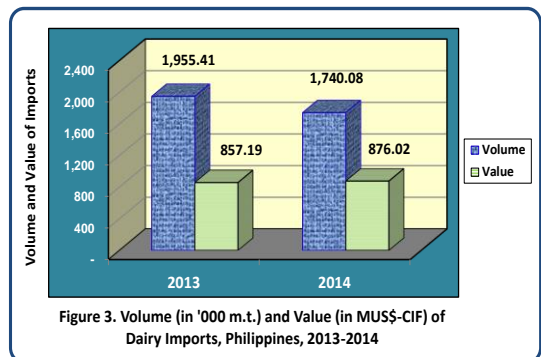
❖ As of January 1, 2015, the total dairy animal population was 41,781 heads. This was 3.62 percent higher than last year's headcount. Dairy cattle stocks grew by 4.13 percent. Dairy carabao and dairy goat population went up by 2.79 percent and 5.08 percent respectively.



❖ In 2014, milk production in the country was 19.73 million liters. This was 1.03 percent higher than last year's level of 19.53 million liters. Of this total, 12.84 million liters or 63.68 percent were cow's milk; 6.86 million liters or 34.77 percent were carabao's milk and 0.31 million liters or 1.55 percent were goat's milk.



❖ The volume of dairy imports in 2014 was 1,740.08 thousand metric tons. This was 10.57 percent lower than the 2013 level of 1,945.69 thousand metric tons. There was an increase of 2.20 percent in the value of dairy imports, from the 2014 level of US\$ 876.02 million to US\$ 857.19 million in 2013.





INVENTORY

Table 1. Total Inventory of Animals vis-à-vis Inventory of Dairy Animals by Type, Philippines, as of January 1, 2013-2015 (Number of Head)

Animal Type	2013	2014	2015	Percent Change	
				14/13	15/14
<b>Total Cattle</b>	<b>2,497,908</b>	<b>2,512,184</b>	<b>2,533,809</b>	<b>0.57</b>	<b>0.86</b>
Dairy Cattle	21,067	21,605	22,498	2.55	4.13
<b>Total Carabao</b>	<b>2,912,842</b>	<b>2,847,445</b>	<b>2,854,838</b>	<b>(2.25)</b>	<b>0.26</b>
Dairy Carabao*	16,364	16,829	17,299	2.84	2.79
<b>Total Goat</b>	<b>3,694,025</b>	<b>3,695,627</b>	<b>3,674,277</b>	<b>0.04</b>	<b>(0.58)</b>
Dairy Goat	1,638	1,888	1,984	15.26	5.08

\*. Preliminary

\*. Carabao dairy herd with 50% dairy blood

Table 2. Inventory of Dairy Animals by Animal Type, by Age Classification, Philippines, as of January 1, 2013-2015 (Number of Head)

Animal Type/Age	2013	2014	2015P	Percent Change	
				14/13	15/14
<b>TOTAL DAIRY</b>	<b>39,069</b>	<b>40,322</b>	<b>41,781</b>	<b>3.21</b>	<b>3.62</b>
<b>CATTLE</b>	<b>21,067</b>	<b>21,605</b>	<b>22,498</b>	<b>2.55</b>	<b>4.13</b>
Bull	791	863	923	9.10	6.95
Dam	9,686	9,831	10,036	1.50	2.09
Heifer	2,592	2,678	2,878	3.32	7.47
Yearling	3,712	3,856	4,043	3.88	4.85
Calf	4,286	4,377	4,618	2.12	5.51
<b>CARABAO*</b>	<b>16,364</b>	<b>16,829</b>	<b>17,299</b>	<b>2.84</b>	<b>2.79</b>
Carabull	1,067	1,102	1,121	3.28	1.72
Dam	8,287	8,501	8,736	2.58	2.76
Caraheifer	1,076	1,112	1,155	3.35	3.87
Yearling	2,210	2,292	2,371	3.71	3.45
Caracalf	3,724	3,822	3,916	2.63	2.46
<b>GOAT</b>	<b>1,638</b>	<b>1,888</b>	<b>1,984</b>	<b>15.26</b>	<b>5.08</b>
Buck	124	143	151	15.32	5.59
Doe	849	976	1,020	14.96	4.51
Kid	523	607	639	16.06	5.27
Others	142	162	174	14.08	7.41

P- Preliminary

\*. Carabao dairy herd with 50% dairy blood

- ❖ In 2015, dairy cattle population was 22,498 heads or 0.89 percent of the country's total cattle population. Dairy carabao population stood at 17,299 heads and dairy goat population reached 1,984 heads or 0.61 percent and 0.05 percent of the total carabao and total goat population, respectively.
- ❖ As of January 1, 2015, the total inventory of dairy animals stood at 41,781 heads. This was 3.62 percent higher than the previous year's level of 40,322 heads.
- ❖ As of January 1, 2015, stocks of all dairy animals registered increases compared with the same period in 2014.
- ❖ Of the total dairy inventory, dairy cattle has the highest share of 53.85 percent. Dairy carabao and dairy goat shared 41.40 percent and 4.75 percent, respectively.

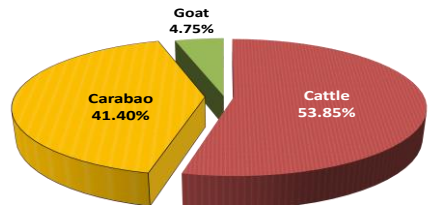


Figure 4. Distribution of Dairy Inventory by Animal Type, Philippines, as of January 1, 2015

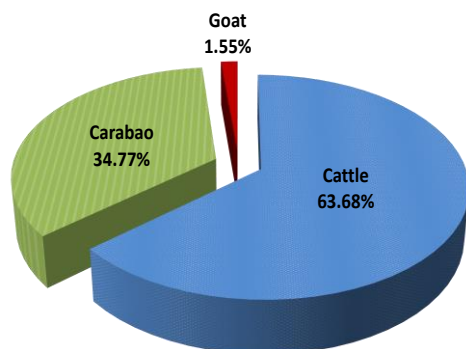


## MILK PRODUCTION

**Table 3. Animals on the Milkline and Milk Production by Animal Type and Source, Philippines, 2012-2014**

Animal Type/Source	2012		2013		2014		% Change (14/13)	
	Animals on the Milkline	Production (LME* in '000 Liters)	Animals on the Milkline	Production (LME* in '000 Liters)	Animals on the Milkline	Production (LME* in '000 Liters)	Animals on the Milkline	Production (LME* in '000 Liters)
<b>TOTAL</b>	<b>10,835</b>	<b>18,492.60</b>	<b>11,937</b>	<b>19,526.42</b>	<b>12,207</b>	<b>19,727.52</b>	<b>2.26</b>	<b>1.03</b>
<b>CATTLE</b>	<b>5,431</b>	<b>11,939.18</b>	<b>5,681</b>	<b>12,683.44</b>	<b>5,797</b>	<b>12,562.18</b>	<b>2.04</b>	<b>(0.96)</b>
Cooperatives	2,560	6,013.11	2,324	5,451.99	2,176	4,745.29	(6.37)	(12.96)
Gov't-Owned-Institutional	224	457.90	209	390.25	172	246.48	(17.70)	(36.84)
Commercial/Private	1,118	2,893.86	1,324	2,817.09	1,178	2,914.89	(11.03)	3.47
Diary Multiplier Farms	1,529	2,574.31	1,824	4,024.11	2,271	4,655.52	24.51	15.69
<b>CARABAO</b>	<b>4,781</b>	<b>6,297.98</b>	<b>4,884</b>	<b>6,566.14</b>	<b>4,971</b>	<b>6,859.02</b>	<b>1.78</b>	<b>4.46</b>
Cooperatives	863	1,691.20	886	1,850.21	957	2,010.86	8.01	8.68
Gov't-Owned-Institutional	620	1,467.10	636	1,496.69	687	1,627.21	8.02	8.72
Commercial/Private	154	419.58	162	447.45	173	479.92	6.79	7.26
Individual	3,144	2,720.10	3,200	2,771.79	3,154	2,741.03	(1.44)	(1.11)
<b>GOAT</b>	<b>623</b>	<b>255.44</b>	<b>1,372</b>	<b>276.84</b>	<b>1,439</b>	<b>306.32</b>	<b>4.88</b>	<b>10.65</b>

Note: LME\* - Liquid Milk Equivalent



**Figure 5. Distribution of Milk Production by Animal Type, Philippines, 2014**

- ❖ In 2014, total milk production in the country reached 19,727.52 thousand liters. It expanded by 1.03 percent against last year's level of 19,526.42 thousand liters.
- ❖ Production of dairy cattle dropped by 0.96 percent or from 12,683 thousand liters in 2013 to 12,562 thousand liters in 2014. Dairy carabao milk production went up by 4.46 percent. Likewise, dairy goat milk production increased by 10.65 percent.
- ❖ The total number of dairy animals on the milkline grew by 2.26 percent. Dairy cattle count increased by 2.04 percent. Dairy carabao and dairy goat on the milkline grew by 1.78 percent and 4.88 percent, respectively.



SUPPLY- UTILIZATION OF MILK

Table 4. Supply and Utilization of Milk, Philippines, 2012-2014  
('000 m.t. - LME)

Particulars	2012	2013	2014	% Change	
				13/12	14/13
Local Production <sup>1/</sup>	18.45	19.53	20.01	5.87	2.46
Imports <sup>2/</sup>	1,955.41	1,945.69	1,740.08	(0.50)	(10.57)
Total supply	1,973.86	1,965.22	1,760.09	(0.44)	(10.44)
Exports <sup>2/</sup>	132.24	48.52	69.40	(63.31)	43.03
Net Domestic					
Net Supply	1,841.62	1,916.70	1,990.69	4.08	3.86
Human Population	96.18	98.01	101.73	1.90	3.80
Per Capita Supply (liters/year) <sup>3/</sup>	19.15	19.56	19.57	2.14	0.06

- ❖ The total supply of milk in 2014 was 1,760.09 thousand metric tons or 10.44 percent lower than the previous year’s level. More than 98 percent of the total milk supplies were imported.
- ❖ In 2014, the net domestic supply of milk was 1,990.69 thousand metric tons. This was 3.86 percent higher than the net domestic supply in 2013.

Source: National Dairy Authority (NDA)

<sup>1/</sup> NDA and PSA survey converted to LME

<sup>2/</sup> NDA based on PSA data converted to LME

<sup>3/</sup> Derived using Net Domestic supply/Human Population

\* 1 liter of milk is approximately 1 kg of milk

LME- Liquid Milk Equivalent

IMPORTS

Table 5. Volume and Value of Imports by Type of Dairy Products, Philippines, 2012-2014

Particulars	2012		2013		2014		% Change	
	Volume ('000 mt)	Value (MUS\$-CIF)	Volume ('000 mt)	Value (MUS\$-CIF)	Volume ('000 mt)	Value (MUS\$-CIF)	Volume 2014/13	Value 2014/13
<b>Total Import</b>	<b>1,955.41</b>	<b>763.84</b>	<b>1,945.69</b>	<b>857.19</b>	<b>1,740.08</b>	<b>876.02</b>	<b>(10.57)</b>	<b>2.20</b>
1. Milk and Cream	1,722.85	624.08	1,752.51	728.75	1,533.61	728.99	(12.49)	0.03
Skim Milk Powder	833.10	320.27	887.38	423.85	746.30	399.04	(15.90)	(5.85)
Wholemilk Powder	252.06	90.70	205.65	74.14	154.00	79.19	(25.12)	6.81
Buttermilk	195.82	75.60	175.31	82.80	146.76	79.22	(16.29)	(4.32)
Whey Powder	324.75	64.76	338.18	69.52	380.41	80.56	12.49	15.88
Liquid (RTD) Milk	34.73	34.20	47.51	49.83	43.66	51.34	(8.10)	3.03
Evaporated	1.86	1.22	0.31	0.19	0.48	0.15	54.84	(21.05)
Others*	80.53	37.33	98.17	28.42	62.00	39.49	(36.84)	38.95
2. Butter	140.47	64.66	125.43	69.94	129.63	79.40	3.35	13.53
3. Cheese	89.00	72.20	64.21	55.12	68.86	59.55	7.24	8.04
4. Curd	3.09	2.9	3.54	3.38	7.98	8.08	125.42	139.05

Source: National Dairy Authority (NDA) and Philippine Statistics Authority (PSA)

\* - includes Cream and Condensed Milk

- ❖ In 2014, the volume of imported dairy products declined by 10.57 percent from 1,945.69 thousand metric tons in 2013 to 1,740.08 thousand metric tons in 2014.
- ❖ The total value of dairy imports in 2014 was MUS\$-CIF 876.02. This was 2.20 percent higher than the 2013 imports of MUS\$-CIF 857.19.



**Table 6. Volume of Imports by Country of Origin  
Philippines, 2012-2014  
(in '000 MT)**

Country Source	2012		2013		2014	
	Volume ('000 mt)	Percent Share	Volume ('000 mt)	Percent Share	Volume ('000 mt)	Percent Share
<b>TOTAL</b>	<b>1,955.41</b>	<b>100.00</b>	<b>1,945.69</b>	<b>100.00</b>	<b>1,740.08</b>	<b>100.00</b>
1. New Zealand	681.58	34.86	617.59	31.74	484.16	27.82
2. USA	607.14	31.05	621.29	31.93	523.57	30.09
3. Australia	190.62	9.75	125.51	6.45	114.19	6.56
4. Others	476.07	24.35	581.30	29.88	618.16	35.52

❖ In 2014, USA and New Zealand were the leading suppliers of the country's dairy products. They supplied a total of 1,007.73 thousand metric tons or 58 percent of the total dairy imports of the Philippines.

Source: National Dairy Authority (NDA)  
Philippine Statistics Authority (PSA)

## EXPORTS

**Table 7. Volume and Value of Exports by Type of Dairy Products  
Philippines, 2012-2014  
(In Liquid Milk Equivalent)**

Particulars	2012		2013		2014		% Change	
	Volume ('000 M.T.)	Value ('000 US\$)	Volume ('000 M.T.)	Value ('000 US\$)	Volume ('000 US\$)	Value ('000 US\$)	Volume 14/13	Value 14/13
<b>Total Exports</b>	<b>132.24</b>	<b>82.86</b>	<b>48.52</b>	<b>55.11</b>	<b>69.40</b>	<b>46.40</b>	<b>43.04</b>	<b>(15.81)</b>
Milk and Cream	129.52	80.37	43.97	48.88	65.53	43.66	49.04	(10.68)
Butter	0.07	0.07	0.05	0.17	1.10	0.59	2,090.00	247.06
Cheese	2.65	2.42	4.33	5.88	2.74	2.14	(36.67)	(63.61)
Curd	-	-	0.17	0.18	0.03	0.01	(80.00)	(97.22)

❖ In 2014, the total volume of dairy products exported by the Philippines was 69.40 thousand metric tons. It was higher by 43.04 percent against previous year's record of 48.52 thousand metric tons. The total value dropped by 15.81 percent.

❖ In 2014, milk and cream comprised 92 percent of the total dairy exports. The rest were butter and cheese.

Source: National Dairy Authority (NDA)  
Philippine Statistics Authority (PSA)

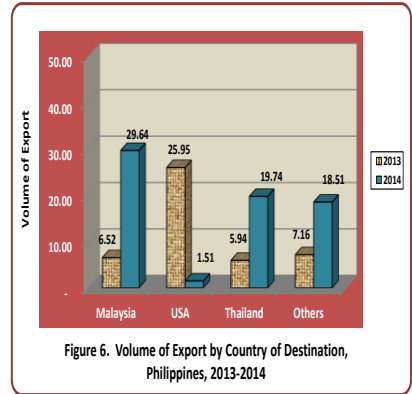




**Table 8. Volume of Exports by Country of Destination  
Philippines, 2012-2014**  
(in '000 MT)

Country Destination	2012		2013		2014	
	Volume ('000 MT)	Percent Share	Volume ('000 MT)	Percent Share	Volume ('000 MT)	Percent Share
<b>Total</b>	<b>131.77</b>	<b>100.00</b>	<b>48.52</b>	<b>100.00</b>	<b>69.40</b>	<b>100.00</b>
USA			25.95	53.50	1.51	2.18
Malaysia	39.14	29.71	6.52	13.43	29.64	42.71
Thailand	18.55	14.08	5.94	12.25	19.74	28.44
Indonesia	22.39	16.99	1.39	2.86	-	-
Bangladesh	19.42	14.73	-	-	-	-
Vietnam	-	-	-	-	-	-
Iraq	-	-	1.55	3.20	-	-
Others	32.28	24.49	7.16	14.76	18.51	26.68

Source: National Dairy Authority (NDA)  
Philippine Statistics Authority (PSA)



**Figure 6. Volume of Export by Country of Destination, Philippines, 2013-2014**

- ❖ In 2014, the main countries of destination for dairy products from the Philippines were Malaysia, Thailand and USA. Malaysia and Thailand accounted for 71.15 percent of the total volume of the Philippine dairy exports.

## PRICES

**Table 9. Average Farmgate Price of Milk by Animal Type,  
Philippines, 2012-2014**  
(Peso per liter)

Animal Type	2012	2013	2014	Percent Change	
				13/12	14/13
Cattle <sup>1/</sup>	22.50	22.50	23.50	-	4.44
Carabao <sup>2/</sup>	46.00	46.00	47.00	-	2.17

<sup>1/</sup> NDA as reported by cooperatives

<sup>2/</sup> PCC as reported by Institutional centers

- ❖ In 2014, the annual average farmgate prices per liter of raw milk of dairy cattle and dairy carabao at P23.50 and P47.00 increased by 4.44 percent and 2.17 percent respectively. Goat milk remained stable at P35.00.

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