



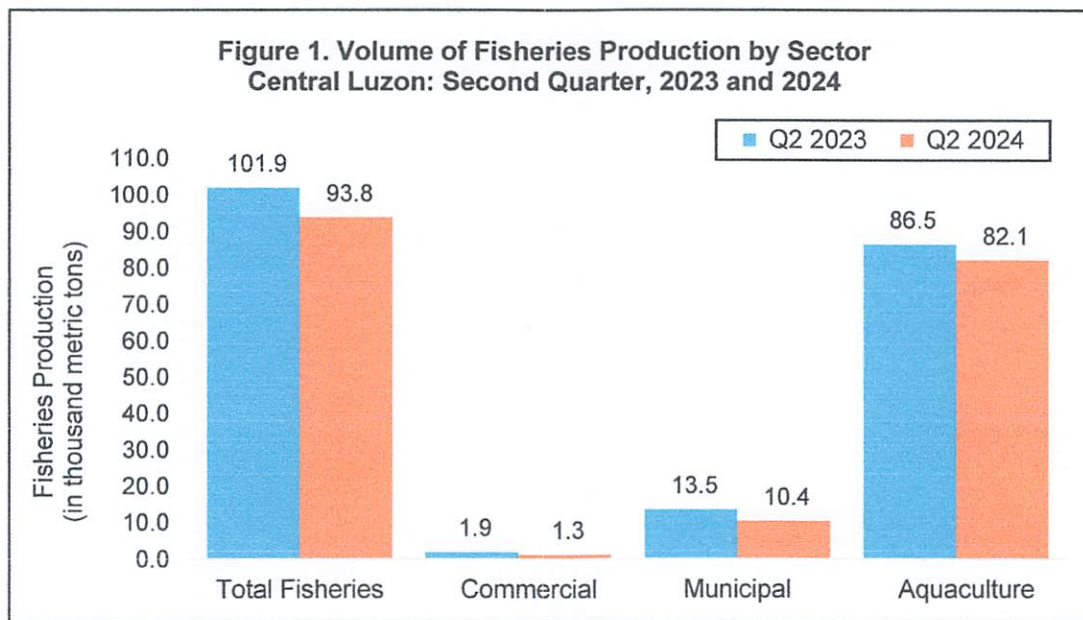
SPECIAL RELEASE

Volume of Fisheries Production in Central Luzon Second Quarter 2024

Date of Release: *SEPTEMBER 2024*
 Reference No. *2024-SRFP-Q22024-129*

Central Luzon's Total Volume of Fisheries Production Decreased by 8.0 Percent

The region's total fisheries production decreased by 8.0 percent from 101,947.0 metric tons in the second quarter of 2023 to 93,771.4 metric tons in the same period of 2024. The drop in Central Luzon's fisheries is attributable to the decline in all fisheries sectors. (Figure 1 and Table 1)



Source: Philippine Statistics Authority

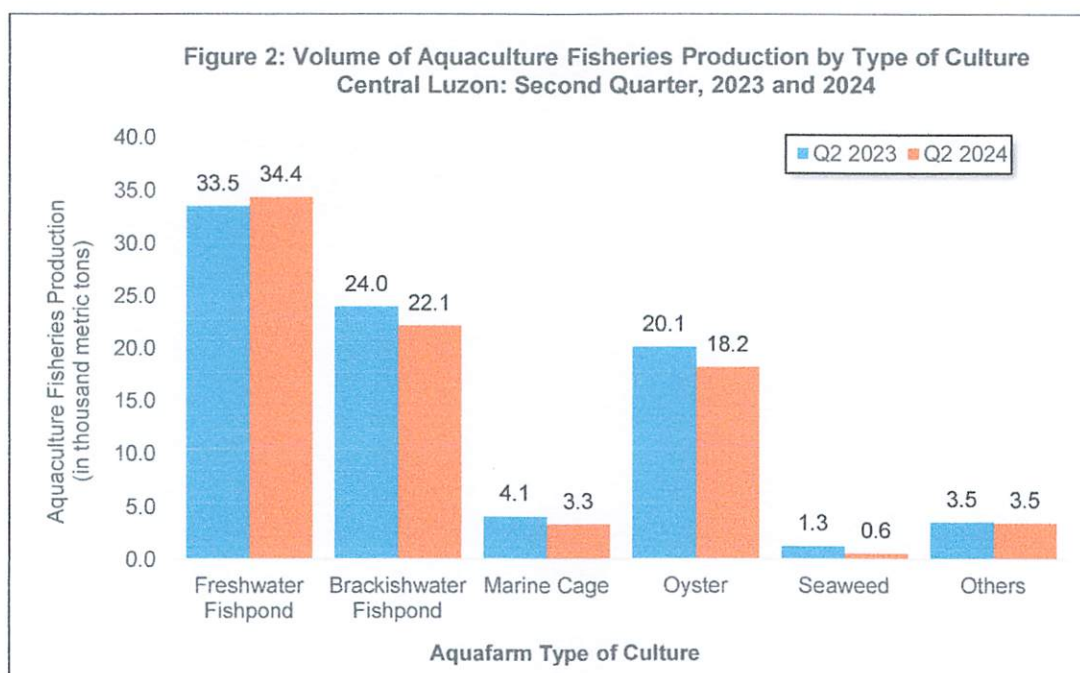
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Aquaculture Fisheries Production Decline by 5.1 Percent

The region's volume of harvest from aquaculture farms was estimated at 82,102.6 metric tons in the second quarter of 2024. It decreased by 5.1 percent from the recorded 86,528.8 metric tons in the same period of 2023. Among fisheries subsector, Aquaculture remained to be the largest contributor with 87.6 percent share to the total fisheries production in the region.

The decrease in the volume of aquaculture production can be attributed to the decrease in seaweed (-55.2%) and marine cage (-18.2%). Likewise, decreases in brackishwater pen, brackishwater cage, oyster, and brackishwater fishpond were also recorded. (Figure 2 and Table 2)



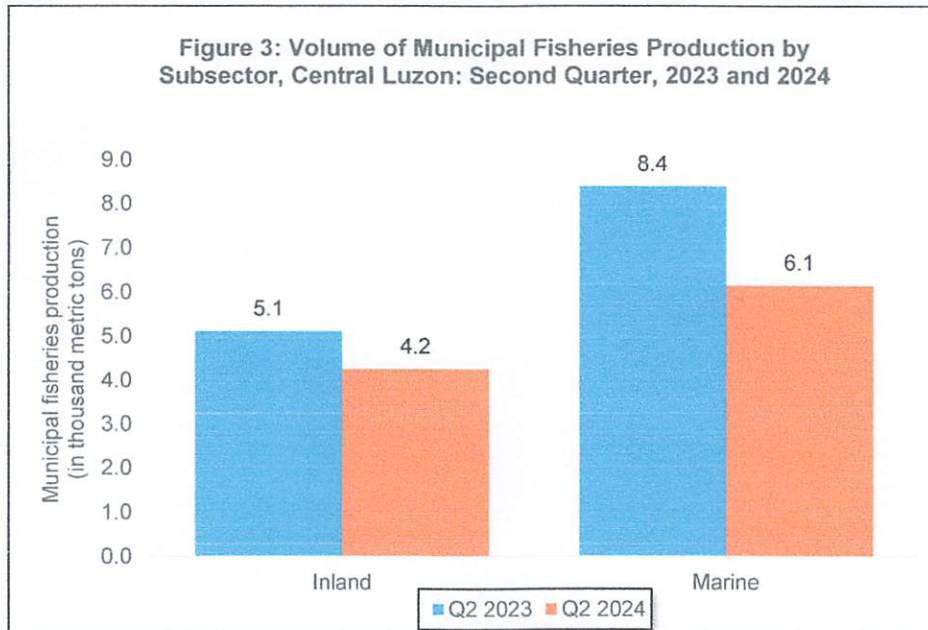
Source: Philippine Statistics Authority

Municipal Fisheries Production in Central Luzon Declined by 23.0 Percent

Central Luzon's total production of municipal fisheries declined by 23.0 percent from the 13,496.1 metric tons in the second quarter of 2023 to 10,391.4 metric tons in 2024. (Table 1)

Marine municipal fisheries production decreased by 26.8 percent from the estimated 8,385.5 metric tons in the second quarter of 2023. Likewise, inland municipal fisheries production declined by 16.8 percent or 861.0 metric tons from the 5,110.6 metric tons in 2023 to 4,249.6 metric tons in 2024. The total municipal fisheries production in Central Luzon comprised 59.1 percent marine municipal fisheries and 40.9 percent inland municipal fisheries. (Figure 3 and Tables 3 and 4)

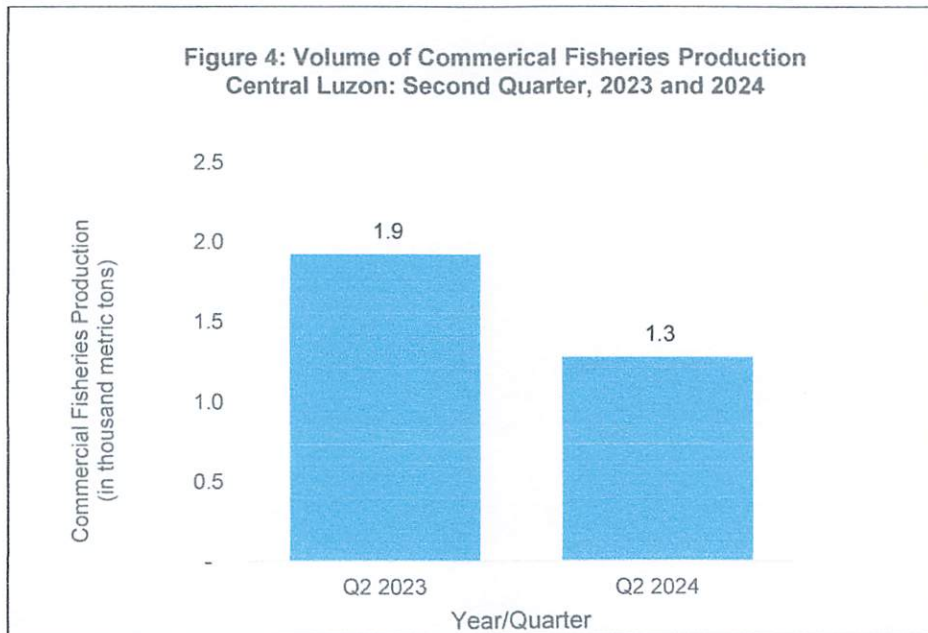
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Source: Philippine Statistics Authority

Commercial Fisheries Production Dropped by 33.5 Percent

The volume of production in commercial fisheries dropped by 33.5 percent from the 1,922.1 metric tons in the second quarter of 2023 to 1,277.5 metric tons in the same period of 2024. (Figure 4 and Table 5)



Source: Philippine Statistics Authority

ARLENE M. DIVINO
 Regional Director
 PSA RSSO 03

STATISTICAL TABLES

Table 1. Volume of Fisheries Production by Sector
Central Luzon: Second Quarter, 2023 and 2024
(Production in metric tons)

Subsector	Q2 2023	Q2 2024	Percent Change	Percent Share
TOTAL	101,947.0	93,771.4	(8.0)	
Commercial	1,922.1	1,277.5	(33.5)	1.4
Municipal	13,496.1	10,391.4	(23.0)	11.1
Marine	8,385.5	6,141.8	(26.8)	6.5
Inland	5,110.6	4,249.6	(16.8)	4.5
Aquaculture	86,528.8	82,102.6	(5.1)	87.6

Source: Philippine Statistics Authority

Table 2. Volume of Aquaculture Fisheries Production by Type of Culture
Central Luzon: Second Quarter, 2023 and 2024
(Production in metric tons)

Subsector	Q2 2023	Q2 2024	Percent Change
Aquaculture Fisheries	86,528.8	82,102.6	(5.1)
Brackishwater Fishpond	23,976.6	22,141.7	(7.7)
Brackishwater Pen	3,150.00	2,785.29	(11.6)
Brackishwater Cage	0.09	0.08	(11.1)
Freshwater Fishpond	33,500.5	34,373.7	2.6
Freshwater Pen	0.1	2.8	3,375.0
Freshwater Cage	1.3	82.7	6,466.7
Marine Pen	..	..
Marine Cage	4,087.2	3,344.0	(18.2)
Oyster	20,124.2	18,200.0	(9.6)
Mussel	378.2	571.4	51.1
Seaweed	1,292.6	579.0	(55.2)
Rice Fish	..	..
Small Farm Reservoir	18.0	21.9	21.7

.. - no data available

Source: Philippine Statistics Authority

Table 3. Volume of Marine Municipal Fisheries Production by Species
Central Luzon: Second Quarter, 2023 and 2024
(Production in metric tons)

Subsector	Q2 2023	Q2 2024	Percent Change
Marine Municipal	8,385.5	6,141.8	(26.8)
Acetes (Alamang)	2,798.3	1,678.1	(40.0)
Anchovies (Dilis)	284.5	264.5	(7.0)
Big-eyed scad (Matangbaka)	57.2	139.3	143.7
Bigeye tuna (Tambakol/ Bariles)	38.4	9.2	(76.0)
Blue crab (Alimasag)	641.9	406.5	(36.7)
Caesio (Dalagang-bukid)	41.7	53.7	28.8
Cavalla (Talakitok)	123.2	30.8	(75.0)
Crevalle (Salay-salay)	79.0	65.1	(17.6)
Eastern little tuna (Bonito)	82.3	543.8	560.9
Fimbriated sardines (Tunsoy)	116.0	44.8	(61.4)
Flying fish (Bolador)	44.4	95.7	115.3
Frigate tuna (Tulingan)	276.1	216.8	(21.5)
Goatfish (Saramulyete)	45.7	45.9	0.5
Grouper (Lapu-lapu)	67.8	32.0	(52.8)
Hairtail (Espada)	58.3	34.9	(40.1)
Indian mackerel (Alumahan)	200.4	123.4	(38.4)
Bali sardinella (Tamban)	32.9	14.1	(57.2)
Indo-pacific mackerel (Hasa-hasa)	34.4	87.2	153.2
Mullet (Kapak)	357.0	95.3	(73.3)
Parrot fish (Loro)	0.1	4.0	4,388.9
Porgies (Pargo)	16.7	47.8	185.8
Round herring (Tulis)	40.4	10.5	(73.9)
Roundscad (Galunggong)	109.6	412.9	276.8
Siganid (Samaral)	10.3	20.9	102.0
Skipjack (Gulyasan)	187.7	130.2	(30.6)
Slipmouth (Sapsap)	119.0	108.8	(8.6)
Snapper (Maya-maya)	107.6	83.4	(22.5)
Spanish mackerel (Tanigue)	65.5	23.1	(64.7)
Squid (Pusit)	1,016.6	241.7	(76.2)
Threadfin bream (Bisugo)	59.4	81.5	37.3
Yellowfin tuna (Tambakol/Bariles)	369.4	244.6	(33.8)
Others	904.0	751.9	(16.8)

Source: Philippine Statistics Authority

Table 5. Volume of Commercial Fisheries Production by Species
Central Luzon: Second Quarter, 2023 and 2024
(Production in metric tons)

Subsector	Q2 2023	Q2 2024	Percent Change
Commercial Fisheries	1,922.1	1,277.5	(33.5)
Acetes (Alamang)	..	..
Anchovies (Dilis)	1.2	3.4	178.5
Big-eyed scad (Matangbaka)	..	7.7	
Bigeye tuna (Tambakol/ Bariles)	..	..
Blue crab (Alimasag)	4.4	2.1	(51.1)
Caesio (Dalagang-bukid)	..	..
Cavalla (TalAKitok)	47.4	0.1	(99.8)
Crevalle (Salay-salay)	4.0	1.0	(76.1)
Eastern little tuna (Bonito)	17.2	288.2	1,577.5
Fimbriated sardines (Tunsoy)	25.3	57.1	125.1
Flying fish (Bolador)	..	..
Frigate tuna (Tulingan)	135.3	46.7	(65.5)
Goatfish (Saramulyete)	..	0.2	
Grouper (Lapu-lapu)	..	..
Hairtail (Espada)	..	..
Indian mackerel (Alumahan)	0.4	..	
Indian sardines (Tamban)	245.3	9.6	(96.1)
Indo-pacific mackerel (Hasa-hasa)	5.4	6.0	11.6
Mullet (Kapak)	11.0	30.7	179.8
Parrot fish (Loro)	..	..
Porgies (Pargo)	..	..
Round herring (Tulis)	..	..
Roundscad (Galunggong)	557.7	285.8	(48.8)
Siganid (Samaral)	..	..
Skipjack (Gulyasan)	214.5	250.3	16.7
Slipmouth (Sapsap)	3.1	10.3	232.4
Snapper (Maya-maya)	..	0.9	
Spanish mackerel (Tanigue)	15.2	11.0	(27.6)
Squid (Pusit)	5.3	2.2	(58.7)
Threadfin bream (Bisugo)	1.0	..	
Yellowfin tuna (TambAKol/Bariles)	558.3	169.0	(69.7)
Others	70.2	95.4	35.8

.. - no data available

Source: Philippine Statistics Authority

Table 4. Volume of Inland Municipal Fisheries Production by Species
Central Luzon: Second Quarter, 2023 and 2024
(Production in metric tons)

Subsector	Q2 2023	Q2 2024	Percent Change
Inland Municipal	5,110.6	4,249.6	(16.8)
Fish	3,901.7	3,116.5	(20.1)
Carp	493.0	385.8	(21.7)
Catfish (Hito)	286.9	233.6	(18.6)
Catfish (Kanduli)	117.9	82.5	(30.1)
Climbing Perch (Martiniko)	30.8	46.6	51.3
Eel (Igat)	135.5	77.2	(43.0)
Freshwater Goby (Biya)	216.6	234.5	8.3
Gourami	389.8	314.1	(19.4)
Milkfish (Bangus)	278.1	206.9	(25.6)
Mudfish (Dalag)	458.8	201.9	(56.0)
Mullet (Kapak)	35.8	13.2	(63.3)
Mullet (Ludong)	1.0	1.8	88.5
Sardines (Tawilis)	..	..	..
Silver Perch (Ayungin)	225.8	151.2	(33.0)
Spade Fish (Kitang)	16.4	5.7	(65.1)
Starry Goby (Dulong)	..	..	..
Tarpon (Buan Buan)	30.0	23.2	(22.5)
Tilapia	1,110.1	812.5	(26.8)
Big Head Carp	59.0	94.4	60.1
Other Fishes	16.3	231.3	1,323.2
Crustaceans	1,187.3	1,104.0	(7.0)
Blue Crab (Alimasag)	335.8	388.1	15.6
Endeavor Prawn (Suahe)	24.2	43.8	81.3
Freshwater Crab (Talangka)	25.0	27.4	9.5
Freshwater Shrimp (Hipon)	186.9	184.9	(1.0)
Lobster (Ulang)	174.3	130.4	(25.2)
Mud Crab (Alimango)	194.4	179.0	(7.9)
Tiger Prawn (Sugpo)	42.0	35.4	(15.6)
White Shrimp (Hipong Puti)	204.8	104.6	(48.9)
Other Crustaceans	..	10.4	..
Molluscs	21.7	29.1	34.2
Clams (Kabibi)	..	..	..
Freshwater Clams (Tulya)	7.8	4.0	(48.7)
Oyster (Talaba)	..	2.7	..
Shell (Kuhol)	1.4	0.5	(62.4)
Snail (Suso)	7.9	19.8	150.5
Other Molluscs	4.5	2.0	(55.6)

.. - no data available

Source: Philippine Statistics Authority

Table 5. Volume of Commercial Fisheries Production by Species
Central Luzon: Second Quarter, 2023 and 2024
(Production in metric tons)

Subsector	Q2 2023	Q2 2024	Percent Change
Commercial Fisheries	1,922.1	1,277.5	(33.5)
Acetes (Alamang)	..	..
Anchovies (Dilis)	1.2	3.4	178.5
Big-eyed scad (Matangbaka)	..	7.7	
Bigeye tuna (Tambakol/ Bariles)	..	..
Blue crab (Alimasag)	4.4	2.1	(51.1)
Caesio (Dalagang-bukid)	..	..
Cavalla (TalAKitok)	47.4	0.1	(99.8)
Crevalle (Salay-salay)	4.0	1.0	(76.1)
Eastern little tuna (Bonito)	17.2	288.2	1,577.5
Fimbriated sardines (Tunsoy)	25.3	57.1	125.1
Flying fish (Bolador)	..	..
Frigate tuna (Tulingan)	135.3	46.7	(65.5)
Goatfish (Saramulyete)	..	0.2	
Grouper (Lapu-lapu)	..	..
Hairtail (Espada)	..	..
Indian mackerel (Alumahan)	0.4	..	
Indian sardines (Tamban)	245.3	9.6	(96.1)
Indo-pacific mackerel (Hasa-hasa)	5.4	6.0	11.6
Mullet (Kapak)	11.0	30.7	179.8
Parrot fish (Loro)	..	..
Porgies (Pargo)	..	..
Round herring (Tulis)	..	..
Roundscad (Galunggong)	557.7	285.8	(48.8)
Siganid (Samaral)	
Skipjack (Gulyasan)	214.5	250.3	16.7
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Snapper (Maya-maya)	..	0.9	
Spanish mackerel (Tanigue)	15.2	11.0	(27.6)
Squid (Pusit)	5.3	2.2	(58.7)
Threadfin bream (Bisugo)	1.0	..	
Yellowfin tuna (TambAKol/Bariles)	558.3	169.0	(69.7)
Others	70.2	95.4	35.8

.. - no data available

Source: Philippine Statistics Authority

TECHNICAL NOTES

The Fisheries Production Survey of the Philippine Statistics Authority (PSA) is divided into four (4) major fisheries surveys. These are the Quarterly Commercial Fisheries Survey (QCFS), Quarterly Municipal Fisheries Survey (QMFS), Quarterly Inland Fisheries Survey (QIFS), and Quarterly Aquaculture Survey (QAqS).

The QCFS gathers information on the volume and price of species unloaded in the landing center. It covers fishing operations in marine waters beyond 15 kilometers from the shoreline by fishing boats with more than three (3) gross tons. In Central Luzon, QCFS is conducted in Aurora, Bataan, Bulacan, and Zambales.

The QMFS also gathers information on the volume and price of species unloaded in the landing center. However, unlike QCFS, it covers fishing operations performed in marine waters within 15 kilometers from the shoreline using fishing vessels of three (3) gross tons or less, or fishing not requiring the use of fishing vessels. In Central Luzon, QMFS is conducted in Aurora, Bataan, Bulacan, Pampanga, and Zambales.

The QIFS gathers information on volume and price of species caught by inland fishing household. Inland Fisheries covers fishing operations performed in inland bodies of water using fishing vessels of three (3) gross tons or less, or fishing not requiring the use of fishing vessels. QIFS is conducted in all provinces in Central Luzon.

The QAqS gathers information on volume and price of species harvested in the aquafarms. Aquaculture volume of production refers to aquaculture species harvested from the aquafarm that is in marketable size and in fresh form. Species harvested which will be used as input to another culture activity are not considered. In Central Luzon, QAqS is conducted in all provinces.

The sampling frames for the surveys of commercial and municipal fisheries were established in 2000 through a nationwide listing of landing centers (LCs). Updating of the lists was conducted over the years. The design used was a two-stage stratified random sampling with the landing centers as the first-stage sampling units and the fishing boats as the second stage sampling units. The landing centers were stratified based on volume of fish unloaded. However, starting second quarter of 2022, the redesigned QMFS utilized the 2021 Listing of Marine Fish Landing Centers (LMFLC) as the sampling frame and new sample selection procedure. The province was the domain of the survey.

Inland municipal fisheries included fishing activities in inland bodies of water such as lakes, rivers, dams, marshes, swamps, etc. The unit of enumeration for QIFS is the household engaged in inland fishing.

For aquaculture survey, the lists of brackishwater fishponds, freshwater fishponds, freshwater fish pens/fish cages, marine fish pens/fish cages, oyster/mussel and seaweed farms by province served as the sampling frames. Updating of list frames for aquaculture was done simultaneously with the landing center during the previous years.

The reference and enumeration periods by survey round are as follows:

Quarterly Commercial Fisheries Survey/Quarterly Municipal Fisheries Survey

Survey Round	Reference Period	Data Collection
April (1 st Quarter)	January to March	Weekly
July (2 nd Quarter)	April to June	Weekly
October (3 rd Quarter)	July to September	Weekly
January (4 th Quarter)	October to December	Weekly

Quarterly Inland Fisheries Survey/ Quarterly Aquaculture Fisheries Survey

Survey Round	Reference Period	Data Collection
April (1 st Quarter)	January to March	2 nd to 3 rd week of March
July (2 nd Quarter)	April to June	2 nd to 3 rd week of June
October (3 rd Quarter)	July to September	2 nd to 3 rd week of September
January (4 th Quarter)	October to December	2 nd to 3 rd week of November