High Frequency Price Data Sources In the Asia and the Pacific Region

Prepared by: Sediqa Zaki

High-frequency data (HFD) provides timely insights into agricultural market trends, which are essential for informing food security programs (FSP) across ADB member countries. By tracking wholesale and retail price fluctuations, policymakers can anticipate potential food shortages, inflation, and disruptions in the supply chain. This report reviews the available sources of HFD from ADB member countries, evaluating their utility and format for integration into FSP models."

Country-Specific Analyses:

Each country's data source could be expanded by discussing the strengths, limitations, and potential improvements for each dataset. You can elaborate on:

- **Data Availability and Accessibility**: Are there any challenges related to data availability, especially the lack of uniformity in formats? Mention why some formats (e.g., Excel) are better suited for analysis than others (e.g., PDF).
- **Quality of Data**: How comprehensive is the data? Are there gaps in the commodities covered or inconsistencies in how data is reported over time?
- **Impact of Data**: Discuss the possible impacts of using this data on national FSP initiatives. For example, how does data from the Department of Agricultural Marketing (DAM) in Bangladesh help in price monitoring and preventing food price volatility?

Bangladesh:

- While the data from DAM is provided in an Excel format, which is ideal for analysis, you might note that expanding the dataset to include historical trends could provide more robust insights into seasonal price fluctuations.
- **Potential Improvement**: DAM could enhance usability by providing APIs for real-time data feeds that can be easily integrated into FSP dashboards.

Sri Lanka:

- HARTI provides critical data on rice and subsidiary food crops. However, the use of PDFs makes it less accessible for quick analysis. PDF formats require manual extraction, adding to the time and complexity of processing data for use in FSP.
- **Potential Improvement**: Converting this data to machine-readable formats (Excel or CSV) would enhance usability, facilitating more immediate response to price changes.

China:

- China's National Agricultural Products Wholesale Market Price offers data for essential commodities like pork and oil. However, the unspecified format presents challenges. It is

important for countries to provide consistent, easily accessible formats for effective regional data comparison.

- **Potential Improvement**: Providing APIs or downloadable datasets in CSV/Excel would enable real-time integration into broader market monitoring systems.

Philippines:

- The Bantay Presyo data is crucial for monitoring urban market prices. However, like Sri Lanka, the PDF format limits its efficiency for real-time monitoring. A comprehensive digital platform that aggregates these datasets into machine-readable formats could significantly streamline access.
- **Potential Improvement**: Standardizing the format and providing historical data would allow for better trend analysis and forecasting.

Pakistan:

- AMIS Pakistan offers a versatile data range, including both Excel and PDF formats, making it one of the more robust datasets available. Expanding the commodities tracked and providing a platform to visualize price trends could further improve data utility.
- **Potential Improvement**: Offering interactive dashboards and more detailed, real-time tracking would further enhance Pakistan's contribution to regional FSP initiatives.

1. Bangladesh

Source name: Department of Agricultural Marketing (DAM)

Level: Wholesale and retail

Commodities: food grains, spices, meat eggs, fruits, ...

Format: excel

Link: DAM Price Data

Example :Bangladesh_data

Singra Bazar, Sirajganj Sadar Bazar, Somser Nagar Bazar, Sonagazi Bazar, Sonamukhi Bazar, Sowarighat and Chhampatali, Sreeramkathi Bazar, Sultanpur Bazar, Sylhet Sadar Bazaar, Tangail

Price Type: Wholesale, Retail

Price Date: 05/06/2024

Sl	Commodity Group	Product name and description	Measurement	Retail Price (in Taka) Lowest Price - Highest Price	Measurement	Wholesale Price (in Taka) Lowest Price - Highest Price
1	Foodgrains	Aman-Aromatic (polao)	Kilogram		Quintal	5600--5600
2	Foodgrains	Aman-Local-Fine	Kilogram		Quintal	3600--3600
3	Foodgrains	Aman-Local-Medium	Kilogram		Quintal	3050--3050
4	Foodgrains	Aman-Local-Coarse	Kilogram	32--33	Quintal	3067--3067
5	Foodgrains	Boro-Fine	Kilogram	31--34	Quintal	2904--2904
6	Foodgrains	Boro-Medium	Kilogram	38--42	Quintal	3793--3793
7	Foodgrains	Boro Coarse	Kilogram	26--27	Quintal	2595--2595
8	Foodgrains	Aman-HYV-Coarse	Kilogram		Quintal	2500--2500
9	Foodgrains	Aman-Super-Fine	Kilogram	73--76	Quintal	7250--7250
10	Foodgrains	Aman-Fine	Kilogram	70--73	Quintal	6860--6860
11	Foodgrains	Aman-Medium	Kilogram	55--58	Quintal	5419--5419
12	Foodgrains	Aman-Coarse	Kilogram	49--51	Quintal	4734--4734
13	Foodgrains	Aman-Pajam	Kilogram	59--60	Quintal	5725--5725
14	Foodgrains	Boro-HYV-Fine	Kilogram	66--71	Quintal	6732--6732
15	Foodgrains	Boro-Pajam	Kilogram	60--64	Quintal	5900--5900
16	Foodgrains	Boro-HYV-Medium	Kilogram	55--58	Quintal	5463--5463
17	Foodgrains	Aman-HYV-Coarse	Kilogram	50--52	Quintal	4967--4967
18	Foodgrains	Aman-HYV-Fine	Kilogram	65--68	Quintal	6500--6500

2. Sri Lanka

Source Name: Hector Kobbekaduwa Agrarian Research and Training Institute (HARTI)

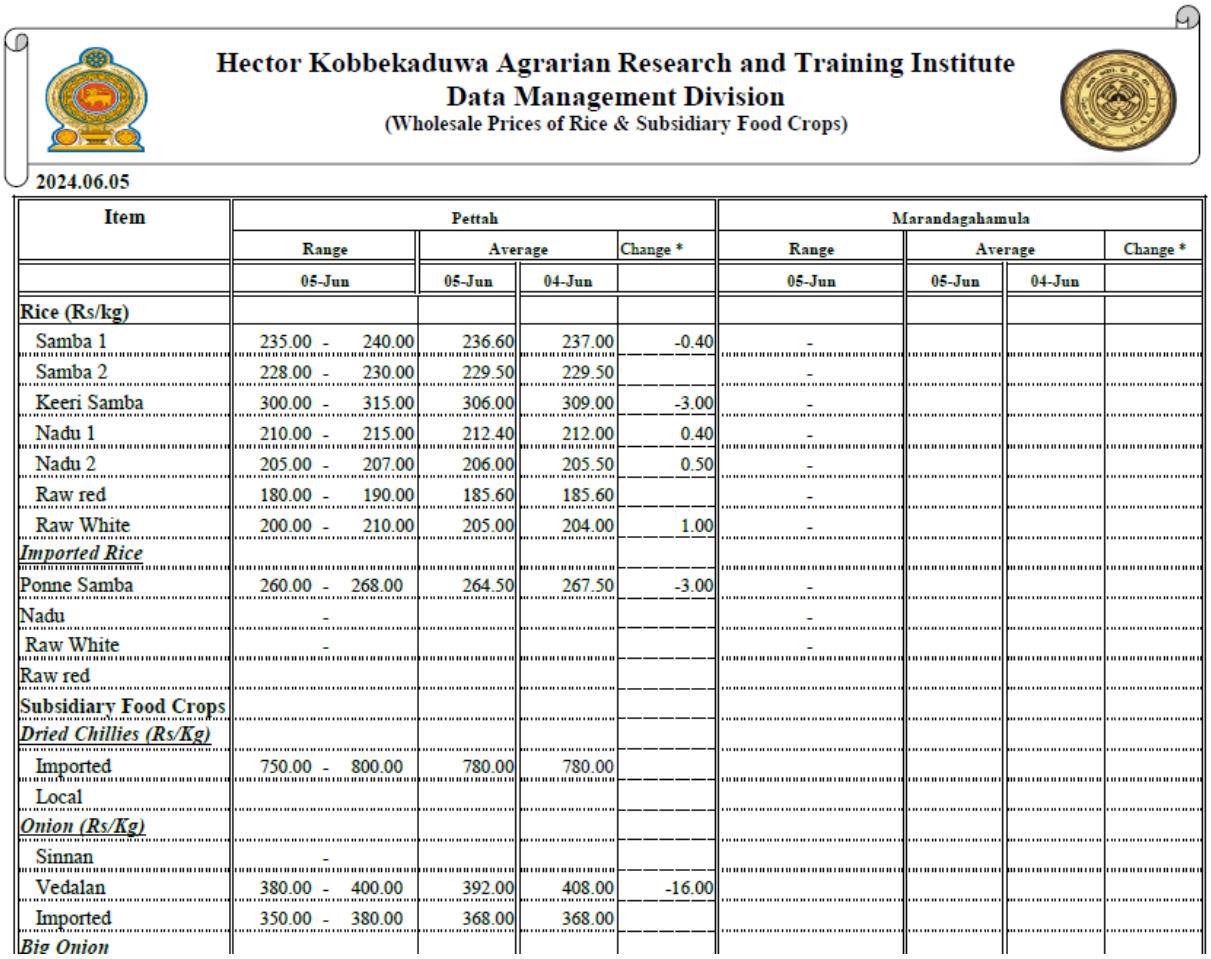
Level: Wholesale Prices

Commodities: Rice & Subsidiary Food Crops

Format: PDF

Link: HARTI Price Data

Example: Sri Lanka data



Hector Kobbekaduwa Agrarian Research and Training Institute
Data Management Division
(Wholesale Prices of Rice & Subsidiary Food Crops)

2024.06.05

Item	Pettah				Marandagahamula			
	Range	Average		Change *	Range	Average		Change *
	05-Jun	05-Jun	04-Jun		05-Jun	05-Jun	04-Jun	
Rice (Rs/kg)								
Samba 1	235.00 - 240.00	236.60	237.00	-0.40	-			
Samba 2	228.00 - 230.00	229.50	229.50		-			
Keeri Samba	300.00 - 315.00	306.00	309.00	-3.00	-			
Nadu 1	210.00 - 215.00	212.40	212.00	0.40	-			
Nadu 2	205.00 - 207.00	206.00	205.50	0.50	-			
Raw red	180.00 - 190.00	185.60	185.60		-			
Raw White	200.00 - 210.00	205.00	204.00	1.00	-			
Imported Rice								
Ponne Samba	260.00 - 268.00	264.50	267.50	-3.00	-			
Nadu	-				-			
Raw White	-				-			
Raw red								
Subsidiary Food Crops								
Dried Chillies (Rs/Kg)								
Imported	750.00 - 800.00	780.00	780.00					
Local								
Onion (Rs/Kg)								
Sinnan	-							
Vedalan	380.00 - 400.00	392.00	408.00	-16.00				
Imported	350.00 - 380.00	368.00	368.00					
Big Onion								

3. China

Source Name: **National Agricultural products wholesale market price**

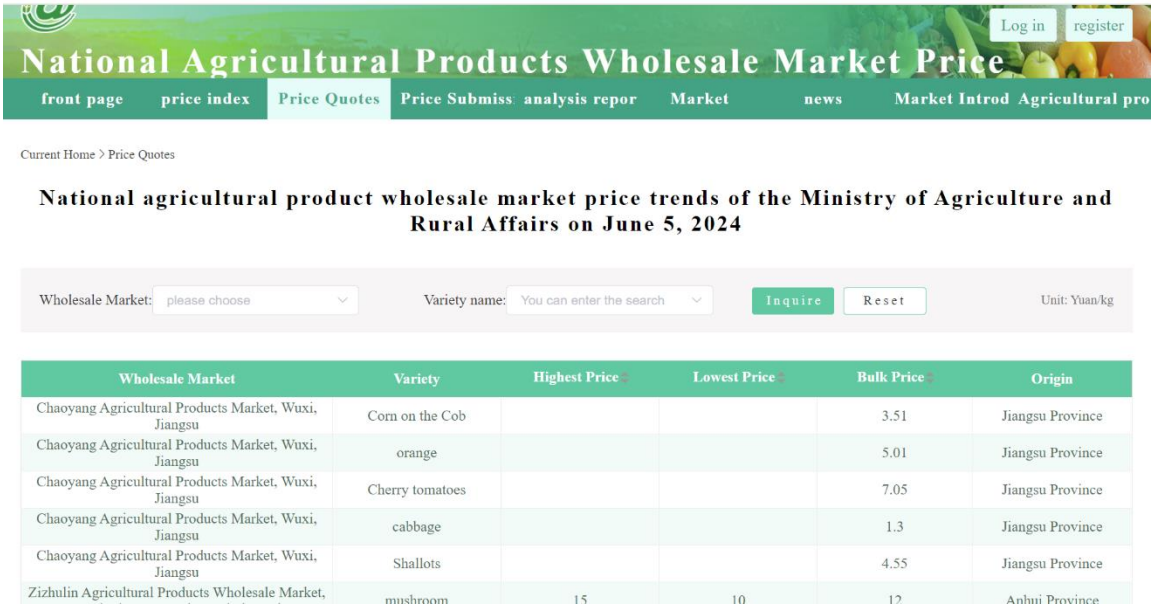
Level: wholesale

Commodities: pork, oil, spice, ...

Format: unspecifies

Link: https://pfsc.agri.cn/#/priceMarket

Example:



Index

China Agriculture and Rural Information Network_Data

China Agricultural Product Price Index: Wholesale: Fruit | Economic Indicators | CEIC (ceicdata.com)

4. Philippines

This source provides detail Price Range of Selected Agri-fishery Commodities at NCR Markets in PDF.

Source Name: BANTAY PRESYO from department of agriculture

Level: retail

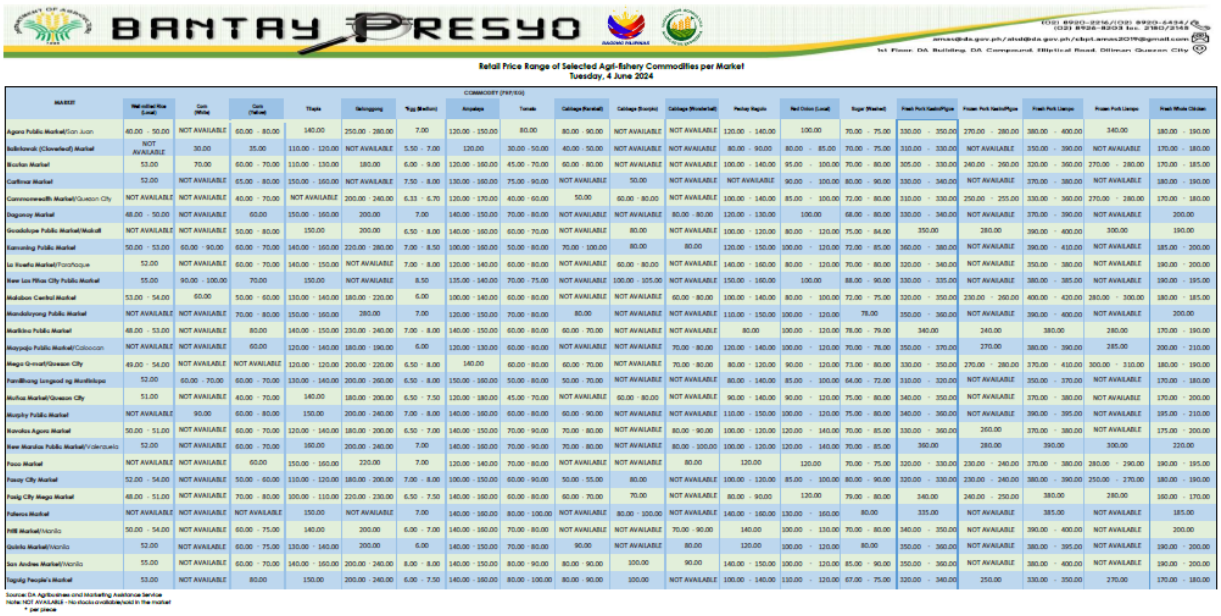
Commodities:cFish, rice, fruit, spices, ...

Format: PDF

Link:Price Monitoring | Official Portal of the Department of Agriculture (da.gov.ph)

Philipines.Price-Monitoring-June-4-2024

Example: Philippines data



BANTAY PRESYO

Retail Price Range of Selected Agri-fishery Commodities per Market
Tuesday, 4 June 2024

MARKET	COMMODITY (PHP/KG)																			
	Well-milled Rice (Local)	Corn (White)	Corn (Yellow)	Tilapia	Galunggong	Egg (Medium)	Ampalaya	Tomato	Cabbage (Scarce)	Cabbage (Scarce)	Cabbage (Wonderful)	Pechay Baguio	Red Onion (Local)	Sugar (Refined)	Fresh Pork Kasim/Pigue	Frozen Pork Kasim/Pigue	Fresh Pork Liempo	Frozen Pork Liempo	Fresh Whole Chicken
Agora Public Market/San Juan	40.00 - 50.00	NOT AVAILABLE	60.00 - 80.00	140.00	250.00 - 280.00	7.00	120.00 - 150.00	80.00	80.00 - 90.00	NOT AVAILABLE	NOT AVAILABLE	120.00 - 140.00	100.00	70.00 - 75.00	330.00 - 350.00	270.00 - 280.00	380.00 - 400.00	340.00	180.00 - 190.00
Balintawak (Cloverleaf) Market	NOT AVAILABLE	30.00	35.00	110.00 - 120.00	NOT AVAILABLE	5.50 - 7.00	120.00	30.00 - 50.00	40.00 - 50.00	NOT AVAILABLE	NOT AVAILABLE	80.00 - 90.00	80.00 - 85.00	70.00 - 75.00	310.00 - 330.00	NOT AVAILABLE	350.00 - 390.00	NOT AVAILABLE	170.00 - 180.00
Blumentritt Market	53.00	70.00	60.00 - 70.00	110.00 - 130.00	180.00	6.00 - 9.00	120.00 - 160.00	45.00 - 70.00	60.00 - 80.00	NOT AVAILABLE	NOT AVAILABLE	100.00 - 140.00	95.00 - 100.00	70.00 - 80.00	305.00 - 330.00	240.00 - 260.00	320.00 - 360.00	270.00 - 280.00	170.00 - 185.00
Cartimar Market	52.00	NOT AVAILABLE	65.00 - 80.00	150.00 - 160.00	NOT AVAILABLE	7.50 - 8.00	130.00 - 160.00	75.00 - 90.00	NOT AVAILABLE	50.00	NOT AVAILABLE	NOT AVAILABLE	90.00 - 100.00	80.00 - 90.00	330.00 - 340.00	NOT AVAILABLE	370.00 - 380.00	NOT AVAILABLE	180.00 - 190.00
Commonwealth Market/Quezon City	NOT AVAILABLE	NOT AVAILABLE	40.00 - 70.00	NOT AVAILABLE	200.00 - 240.00	6.33 - 6.70	120.00 - 170.00	40.00 - 60.00	50.00	60.00 - 80.00	NOT AVAILABLE	100.00 - 140.00	85.00 - 100.00	72.00 - 80.00	310.00 - 330.00	250.00 - 255.00	330.00 - 360.00	270.00 - 280.00	170.00 - 180.00
Dagonoy Market	48.00 - 50.00	NOT AVAILABLE	60.00	150.00 - 160.00	200.00	7.00	140.00 - 150.00	70.00 - 80.00	NOT AVAILABLE	NOT AVAILABLE	80.00 - 80.00	120.00 - 130.00	100.00	68.00 - 80.00	330.00 - 340.00	NOT AVAILABLE	370.00 - 390.00	NOT AVAILABLE	200.00
Guadalupe Public Market/Makati	NOT AVAILABLE	NOT AVAILABLE	50.00 - 80.00	150.00	200.00	6.50 - 8.00	140.00 - 160.00	60.00 - 70.00	NOT AVAILABLE	80.00	NOT AVAILABLE	100.00 - 120.00	80.00 - 120.00	75.00 - 84.00	350.00	280.00	390.00 - 400.00	300.00	190.00
Kamuning Public Market	50.00 - 53.00	60.00 - 90.00	60.00 - 70.00	140.00 - 160.00	220.00 - 280.00	7.00 - 8.50	100.00 - 160.00	50.00 - 80.00	70.00 - 100.00	80.00	80.00	120.00 - 150.00	100.00 - 120.00	72.00 - 85.00	360.00 - 380.00	NOT AVAILABLE	390.00 - 410.00	NOT AVAILABLE	185.00 - 200.00
La Huerta Market/Parañaque	52.00	NOT AVAILABLE	60.00 - 70.00	140.00 - 150.00	NOT AVAILABLE	7.00 - 8.00	120.00 - 140.00	60.00 - 80.00	NOT AVAILABLE	60.00 - 80.00	NOT AVAILABLE	140.00 - 160.00	80.00 - 120.00	70.00 - 80.00	320.00 - 340.00	NOT AVAILABLE	350.00 - 380.00	NOT AVAILABLE	190.00 - 200.00
New Las Piñas City Public Market	55.00	90.00 - 100.00	70.00	150.00	NOT AVAILABLE	8.50	135.00 - 140.00	70.00 - 75.00	NOT AVAILABLE	100.00 - 105.00	NOT AVAILABLE	150.00 - 160.00	100.00	88.00 - 90.00	330.00 - 335.00	NOT AVAILABLE	380.00 - 385.00	NOT AVAILABLE	190.00 - 195.00
Malabon Central Market	53.00 - 54.00	60.00	50.00 - 60.00	130.00 - 140.00	180.00 - 220.00	6.00	100.00 - 140.00	60.00 - 80.00	NOT AVAILABLE	NOT AVAILABLE	60.00 - 80.00	100.00 - 140.00	80.00 - 100.00	72.00 - 75.00	320.00 - 350.00	230.00 - 260.00	400.00 - 420.00	280.00 - 300.00	180.00 - 185.00
Mandaluyong Public Market	NOT AVAILABLE	NOT AVAILABLE	70.00 - 80.00	150.00 - 160.00	280.00	7.00	120.00 - 150.00	70.00 - 80.00	80.00	NOT AVAILABLE	NOT AVAILABLE	110.00 - 150.00	100.00 - 120.00	78.00	350.00 - 360.00	NOT AVAILABLE	390.00 - 400.00	NOT AVAILABLE	200.00
Marikina Public Market	48.00 - 53.00	NOT AVAILABLE	80.00	140.00 - 150.00	230.00 - 240.00	7.00 - 8.00	140.00 - 150.00	60.00 - 80.00	60.00 - 70.00	NOT AVAILABLE	NOT AVAILABLE	80.00	100.00 - 120.00	78.00 - 79.00	340.00	240.00	380.00	280.00	170.00 - 190.00
Navotas Public Market/Caloocan	NOT AVAILABLE	NOT AVAILABLE	60.00	120.00 - 140.00	180.00 - 190.00	6.00	120.00 - 130.00	60.00 - 80.00	NOT AVAILABLE	NOT AVAILABLE	70.00 - 80.00	120.00 - 140.00	100.00 - 120.00	70.00 - 78.00	350.00 - 370.00	270.00	380.00 - 390.00	285.00	200.00 - 210.00
Mega G-mart/Quezon City	49.00 - 54.00	NOT AVAILABLE	NOT AVAILABLE	120.00 - 120.00	200.00 - 220.00	6.50 - 8.00	140.00	60.00 - 80.00	60.00 - 70.00	NOT AVAILABLE	70.00 - 80.00	80.00 - 120.00	90.00 - 120.00	73.00 - 80.00	330.00 - 350.00	270.00 - 280.00	370.00 - 410.00	300.00 - 310.00	180.00 - 190.00
Pandiong Lingawi ng Montalupa	52.00	60.00 - 70.00	60.00 - 70.00	130.00 - 140.00	200.00 - 260.00	6.50 - 8.00	150.00 - 160.00	50.00 - 80.00	50.00 - 70.00	NOT AVAILABLE	NOT AVAILABLE	80.00 - 140.00	85.00 - 100.00	64.00 - 72.00	310.00 - 320.00	NOT AVAILABLE	350.00 - 370.00	NOT AVAILABLE	170.00 - 180.00
Murtus Market/Quezon City	51.00	NOT AVAILABLE	40.00 - 70.00	140.00	180.00 - 200.00	6.50 - 7.50	120.00 - 180.00	45.00 - 70.00	NOT AVAILABLE	60.00 - 80.00	NOT AVAILABLE	90.00 - 140.00	90.00 - 120.00	75.00 - 80.00	340.00 - 350.00	NOT AVAILABLE	370.00 - 380.00	NOT AVAILABLE	170.00 - 200.00
Murphy Public Market	NOT AVAILABLE	90.00	60.00 - 80.00	150.00	200.00 - 240.00	7.00 - 8.00	140.00 - 160.00	60.00 - 80.00	60.00 - 90.00	NOT AVAILABLE	NOT AVAILABLE	110.00 - 150.00	100.00 - 120.00	75.00 - 80.00	340.00 - 360.00	NOT AVAILABLE	390.00 - 395.00	NOT AVAILABLE	195.00 - 210.00
Navotas Agora Market	50.00 - 51.00	NOT AVAILABLE	60.00 - 70.00	120.00 - 140.00	180.00 - 200.00	6.50 - 7.00	140.00 - 150.00	70.00 - 90.00	70.00 - 80.00	NOT AVAILABLE	80.00 - 90.00	100.00 - 120.00	120.00 - 140.00	70.00 - 85.00	330.00 - 360.00	260.00	370.00 - 380.00	NOT AVAILABLE	175.00 - 200.00
New Marulas Public Market/Valenzuela	52.00	NOT AVAILABLE	60.00 - 70.00	160.00	200.00 - 240.00	7.00	140.00 - 160.00	70.00 - 90.00	70.00 - 80.00	NOT AVAILABLE	80.00 - 100.00	100.00 - 120.00	120.00 - 140.00	70.00 - 85.00	360.00	280.00	390.00	300.00	220.00
Paco Market	NOT AVAILABLE	NOT AVAILABLE	60.00	150.00 - 160.00	220.00	7.00	120.00 - 140.00	70.00 - 80.00	NOT AVAILABLE	NOT AVAILABLE	80.00	120.00	120.00	70.00 - 75.00	320.00 - 330.00	230.00 - 240.00	370.00 - 380.00	280.00 - 290.00	190.00 - 195.00
Pasay City Market	52.00 - 54.00	NOT AVAILABLE	50.00 - 60.00	110.00 - 120.00	180.00 - 200.00	7.00 - 8.00	100.00 - 150.00	60.00 - 90.00	50.00 - 55.00	80.00	NOT AVAILABLE	100.00 - 120.00	85.00 - 100.00	80.00 - 90.00	320.00 - 330.00	230.00 - 240.00	380.00 - 390.00	250.00 - 270.00	180.00 - 190.00
Pasig City Mega Market	48.00 - 51.00	NOT AVAILABLE	70.00 - 80.00	100.00 - 110.00	220.00 - 230.00	6.50 - 7.50	140.00 - 160.00	60.00 - 80.00	60.00 - 70.00	70.00	NOT AVAILABLE	80.00 - 90.00	120.00	79.00 - 80.00	340.00	240.00 - 250.00	380.00	280.00	160.00 - 170.00
Pateros Market	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	150.00	NOT AVAILABLE	7.00	140.00 - 160.00	80.00 - 100.00	NOT AVAILABLE	80.00 - 100.00	NOT AVAILABLE	140.00 - 160.00	130.00 - 160.00	80.00	335.00	NOT AVAILABLE	385.00	NOT AVAILABLE	185.00
Pritil Market/Manila	50.00 - 54.00	NOT AVAILABLE	60.00 - 75.00	140.00	200.00	6.00 - 7.00	140.00 - 160.00	70.00 - 80.00	NOT AVAILABLE	NOT AVAILABLE	70.00 - 90.00	140.00	100.00 - 130.00	70.00 - 80.00	340.00 - 350.00	NOT AVAILABLE	390.00 - 400.00	NOT AVAILABLE	200.00
Quiapo Market/Manila	52.00	NOT AVAILABLE	60.00 - 75.00	130.00 - 140.00	200.00	6.00	140.00 - 150.00	70.00 - 80.00	90.00	NOT AVAILABLE	80.00	120.00	100.00 - 120.00	80.00	350.00 - 360.00	NOT AVAILABLE	380.00 - 395.00	NOT AVAILABLE	190.00 - 200.00
San Andres Market/Manila	55.00	NOT AVAILABLE	60.00 - 70.00	140.00 - 160.00	200.00 - 240.00	8.00 - 8.00	140.00 - 150.00	80.00 - 90.00	80.00 - 90.00	100.00	90.00	140.00 - 150.00	100.00 - 120.00	85.00 - 90.00	350.00 - 360.00	NOT AVAILABLE	380.00 - 400.00	NOT AVAILABLE	190.00 - 200.00
Tagaig People's Market	53.00	NOT AVAILABLE	80.00	150.00	200.00 - 240.00	6.00 - 7.50	140.00 - 160.00	80.00 - 100.00	80.00 - 90.00	100.00	NOT AVAILABLE	100.00 - 140.00	110.00 - 120.00	67.00 - 75.00	320.00 - 340.00	250.00	330.00 - 350.00	270.00	170.00 - 180.00

Source: DA Agribusiness and Marketing Assistance Service
Note: NOT AVAILABLE - No stocks available/sold in the market
* per piece

5. Pakistan

Source Name: AMIS Pakistan

Level: wholesales

Commodities: grains, fruit, oil,...

Format: different formats including Excel and PDF.

Link:District Level MC (amis.pk)

Example: DistrictPrice

L19 | 0

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1	CropName	Lahore	Shekhupur	Nankana	Kasur	Gujranwal	Hafizabad	MBDin	Gujrat	Sialkot	Narowal	Rawalpind	Attock	Chakwal	JHelum	Sargodha	Bhakker	Khushab	Mianwali
2	Apple (Am	0	0	0	0	0	0	0	0	0	0	12900	0	0	0	0	16000	0	0
3	Apple (Gat	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Apple (Gol	0	0	12500	0	0	0	0	19000	22750	0	14850	0	0	19250	18000	17350	0	0
5	Apple Kala	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Apple Kala	30000	30500	20750	30500	26450	26500	25500	29000	25250	27000	26100	33400	27100	28500	26500	24150	27300	0
7	Apricot Wh	22500	23500	0	28500	0	0	0	0	0	0	18550	19700	0	19000	15500	22300	0	18000
8	Apricot Ye	12750	12750	12750	15750	12950	0	0	14000	0	0	12000	15700	0	14000	0	18250	0	0
9	Banana(D	153	153	125	153	141	135	145	150	134	120	134	175	135	145	105	169	108	153
10	Cocunut	0	0	0	0	0	0	0	25000	0	0	0	0	0	0	0	0	0	0
11	Dates (Ase	0	0	0	0	0	0	0	43000	0	0	0	0	0	0	0	0	0	16200
12	Dates(Iran	44000	46000	45500	0	43350	0	40500	47000	44550	0	43000	0	0	44000	41500	38500	0	0
13	feutral ear	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Grapefruit	1700	1900	0	0	0	0	0	24000	0	0	0	0	0	0	0	0	0	0
15	Grapes (O	0	0	0	0	0	0	0	0	0	0	0	0	0	16000	0	0	0	0
16	Grapes Go	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Grapes Su	37250	38500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Guava	0	0	9750	0	19350	0	0	15000	0	0	0	0	0	0	0	0	0	0
19	Jaman	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	jujube(بیر)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Kinnow (10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	Lemon (Ch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26550	0	0
23	Lemon (De	39000	41000	50500	40900	44450	45500	0	0	34000	42500	39250	55900	0	41000	43500	40300	43600	30600