



CAMBODIA

Market Update

August 2021

Focus: Effect of the COVID-19 outbreak on food prices

United Nations World Food Programme in partnership with
Agriculture Marketing Office of the Ministry of Agriculture, Forestry and Fisheries



Preface

The COVID-19 pandemic has been rapidly evolving since the beginning of 2020. On 11 March 2020, the World Health Organization (WHO) categorized it as a global pandemic. There have been more than 218.9 million confirmed cases and more than 4.5 million deaths worldwide (WHO, 3 September 2021). In Cambodia, since the first reported case on 27 January 2020, there have been a total of 93,510 confirmed cases, of which 78,278 cases were linked to the February 2021 community outbreak, and 1,916 deaths (MOH, 1 September 2021).

The COVID-19 pandemic has had a major impact on the global economy. Trade and travel have been severely restricted and many countries, including Cambodia and others across Asia, have instituted measures to contain the spread. Since April 2021, Cambodia has implemented a series of lockdowns in partial and/or whole provinces to contain the February 2021 community outbreak.

In order to understand if the COVID-19 pandemic has impacted food availability and access at markets in Cambodia, the World Food Programme (WFP) monitors the retail and wholesale prices of key food commodities (see Annex 1 and 2) in 45 urban and rural markets across the country (see Methods section for more details). An average of 340 traders and market chiefs are called every two weeks using a call center contracted by WFP. In addition to prices, market chiefs are also interviewed to assess market functionality, including supply and demand issues. Additional information is used to interpret the results and understand the broader context.

This update is based on market data collected in the first and third weeks of August 2021. Nominal prices are presented in this report.

This system is based on long-term cooperation between WFP and the Agricultural Marketing Office (AMO) of the Ministry of Agriculture, Forestry and Fisheries (MAFF).

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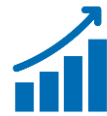
Key findings

COVID-19 & Environmental Factors Influencing Prices

The COVID-19 pandemic continues to spread and impact economic activities across the world. The World Bank has estimated that economic activity in Cambodia contracted by 3.1% in 2020 due largely to the impacts of COVID-19 but is expected to grow by 4% in 2021.

The lockdown in eight provinces bordering Thailand was lifted on 13 August 2021 and nationwide preventive measures, such as a ban on gatherings of more than 10 people and closure of entertainment businesses to manage and prevent the spread of COVID-19, especially the Delta variant, ended on 19 August 2021. However, some provincial administrations still imposed preventive measures based on COVID-19 transmission in their provinces. Of the 45 monitored markets, 13 were report as closed in August.

Through the first eight months of 2021, Cambodia exported 343,447 MT of milled rice, a decrease by 23% compared to the same period last year.



National Food Price Trend Analysis (January 2020 – August 2021)

Since January 2020, domestic food prices have remained stable for most key food commodities, though spikes in March and October were observed. The March spike resulted largely from disruptions related to the increase of COVID-19 cases and subsequent border closures. Price fluctuations in October and November 2020 were mainly linked to the large-scale floods. Since January 2021, the national average retail prices for duck egg, morning glory and snakehead fish have mostly remained lower than 2020 while prices of rice, pork and vegetable oil are higher. Since June 2021, though, most of prices show a higher trend than last year, especially snakehead fish due to the restriction of the fishing period in the wet season.

The cost of a balanced food basket spiked twice in 2020 – in March and October/November 2020 – to approximately 110,000 riels/person/month. The cost has remained relatively stable in the first five months of 2021 before increasing moderately since June 2021. A balanced food basket in August 2021 was 107,687 riels/person/month, 4.9% higher than the cost in August 2020 (see Annex 3 for methodology).



Sub-national Monthly Food Price Change (August 2021)

In August 2021, the average retail prices for pork and duck egg in rural areas were higher than in urban areas while the average retail prices of mixed rice, snakehead fish, vegetable oil and morning glory in rural areas were lower than in urban areas.

One-month price changes for key food commodities (except duck egg and morning glory) in rural and urban areas followed the same direction: prices of snakehead fish and vegetable oil increased, while prices of rice and pork decreased. The price of morning glory decreased dramatically in rural areas but increased in urban areas; while the price of duck egg increased in rural areas but declined in urban areas. The price of snakehead fish saw the highest increase, both in rural and urban areas.

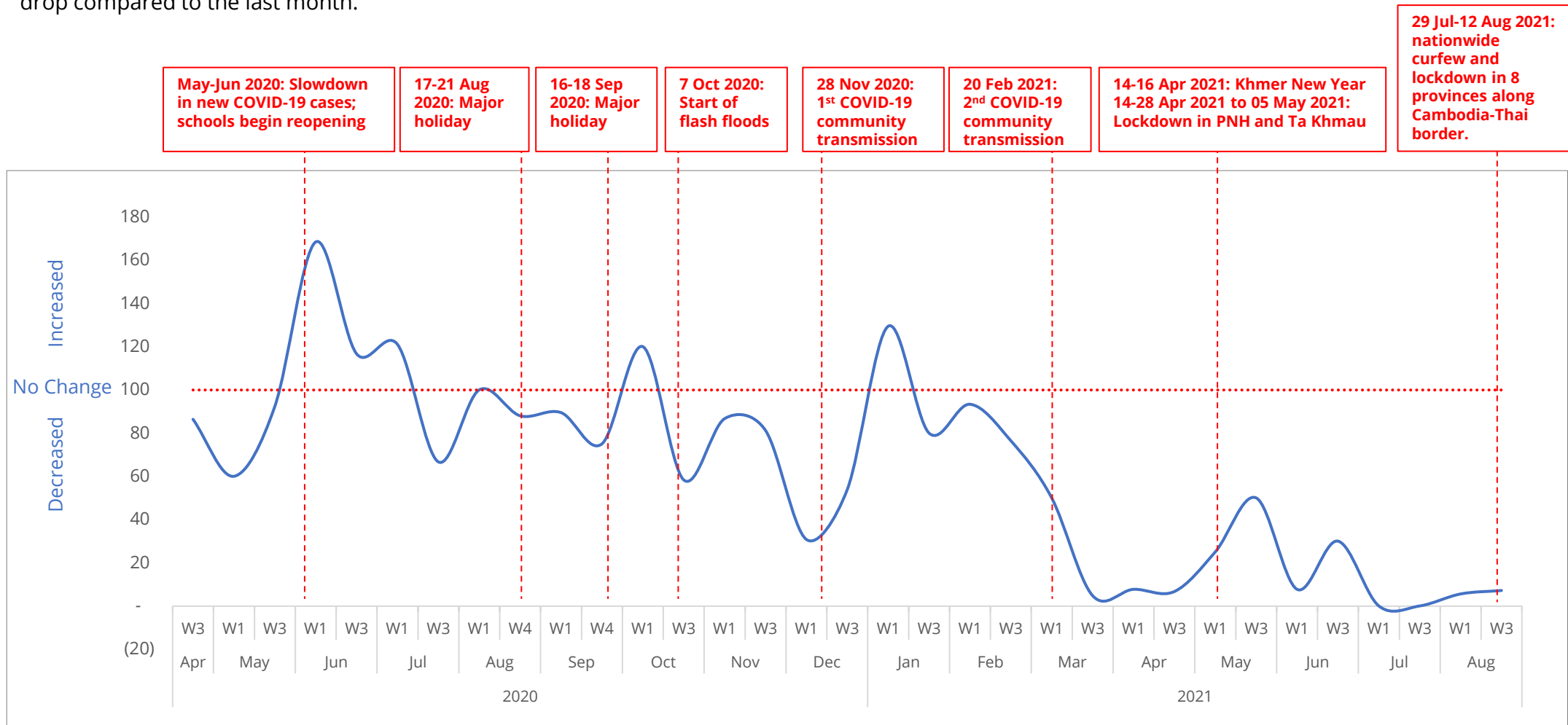
At provincial level, Prey Veng, Preah Vihear, Banteay Meanchey, Pursat, Battambang, and Oddar Meanchey provinces had the highest reported prices for several key food commodities, such as rice, duck eggs, snakehead fish and vegetable oil.

Conclusion:

In August 2021, national average retail prices for most key food commodities (except snakehead fish and morning glory) showed slight changes month-on-month in both rural and urban markets. Customer traffic at markets slightly recovered after sharply declining in July 2021. Since June 2020, approximately 667,217 IDPoor households (or approximately 2.6 million people) have received Government cash transfers totaling roughly USD 410 million. The National Social Protection Broadcasting Mechanism (NSPBM) has been officially launched to ensure that the Cambodian population receives comprehensive information on social assistance and social security programmes on time.

Market functionality

In the 45 markets monitored across the country, market chiefs were interviewed on the availability and supply of food in the market, market functionality and accessibility, and the number of customers visiting their respective markets in the first and third weeks of the month. In August 2021, markets in several provinces, including Phnom Penh, were closed to curb local transmission of COVID-19 while some markets reopened after a 14-day closure. In August 2021, 13 (or 29% of) monitored markets were reported closed¹. Within the remaining monitored markets, the number of customers who visited markets slightly improved in August 2021. About 15% reported facing an increase in supply prices in the third week of August 2021, which represents a drop compared to the last month.



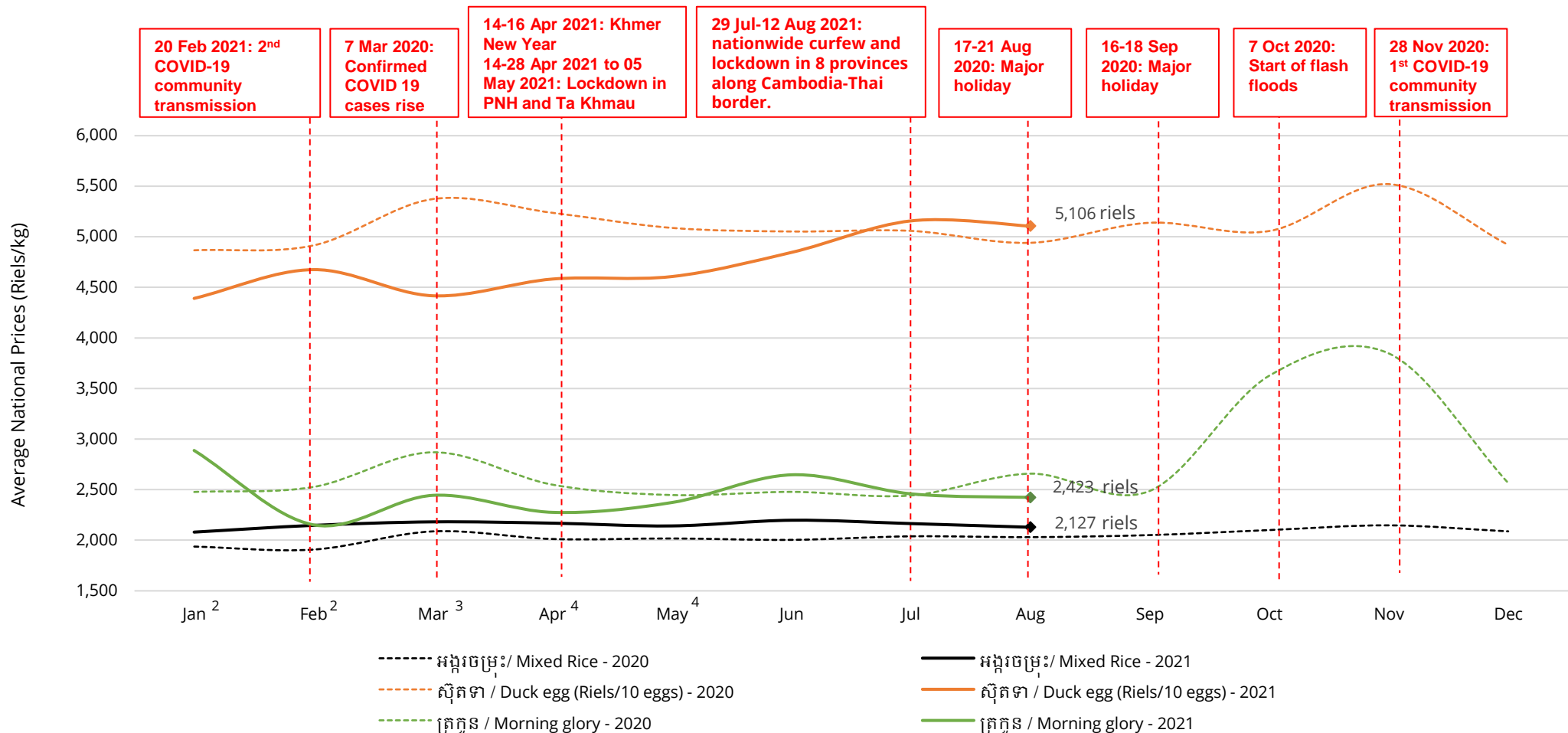
Change in Customers² Visiting Markets

¹ Some traders from these markets were still able to provide food prices since they were selling at home during the market closure.

² The value of change in customers is calculated based on a diffusion index or advance/decline index to track the change of customers visiting the market in a time series

National: Price trends of mixed rice, duck eggs, and morning glory

National average retail prices for three commonly consumed food commodities (mixed rice, duck eggs and morning glory¹) showed a slight decrease in August 2021, following a relatively stable period observed since the price spikes during the October 2020 floods and the November 2020 Covid-19 community transmission. In August 2021, the national average retail price of mixed rice was 2,127 Riels/kg: **-1.7%** month-on-month (MoM) and **+4.8%** year-on-year (YoY). The national average retail price for morning glory was 2,423 Riels/kg: **-1.4%** MoM and **-8.9%** YoY. The price for duck eggs was 5,106 Riels/10 eggs: **-1.0%** MoM and **+3.3%** YoY. See Annex 1 and 2 for additional prices.



¹ Morning glory is commonly eaten in Cambodia and its price trend does not always indicate price fluctuations of other vegetables in the Annexes.

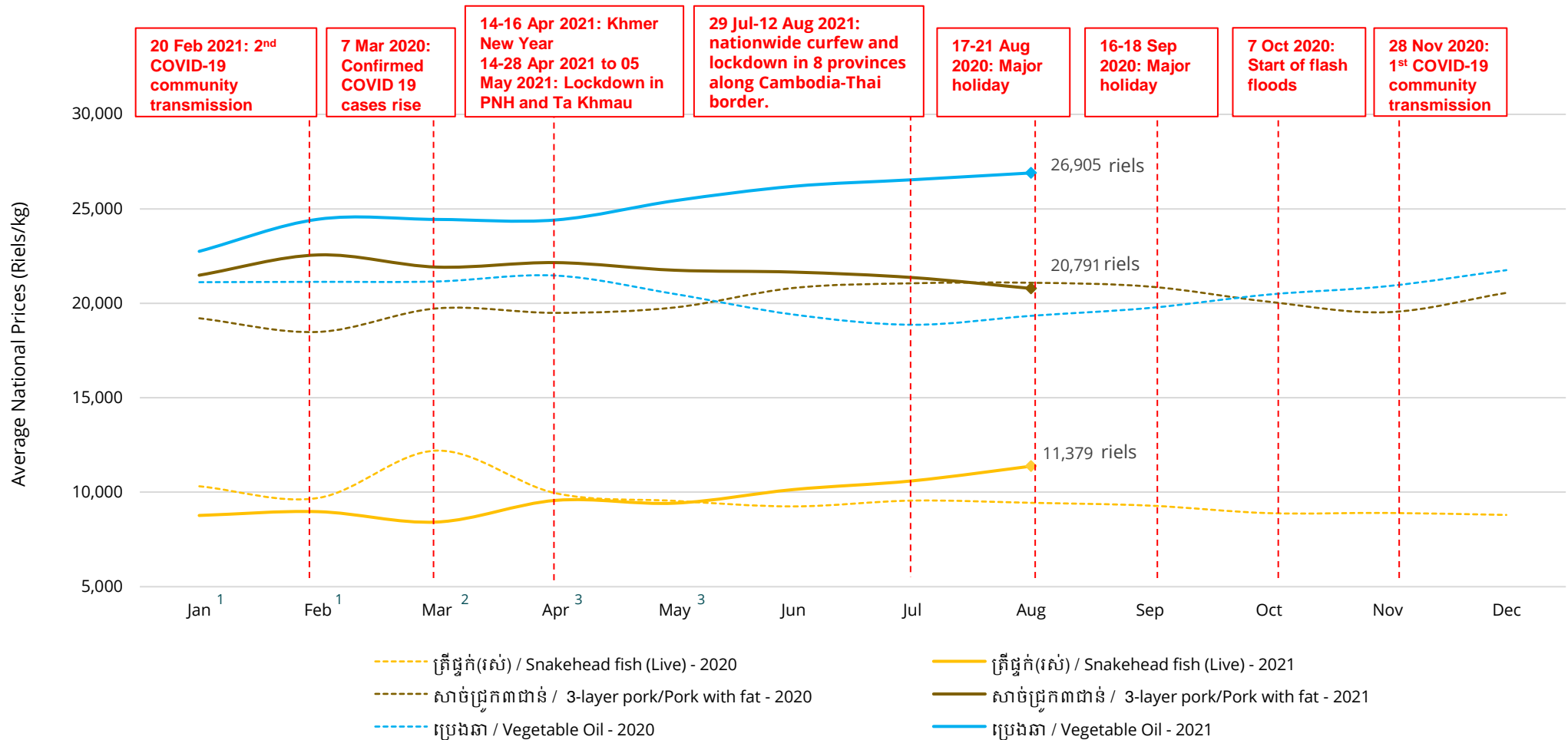
² Food prices in 2020 were remotely collected in the first week of the month in only 14 markets.

³ Food prices in 2020 were remotely collected in the first week of the month in only 14 markets and face-to-face collected by AMO in the third week of the month in 31 additional markets.

⁴ Food prices in 2020 were remotely collected in the first week of the month in only 14 markets and in the third week of the month in 45 markets. However, because of market closures during the lockdown from mid-April 2021, food price data in the 3rd week of April and 1st and 3rd weeks of May from the sentinel markets in Phnom Penh, Kandal and Preah Sihanouk were not available for analysis.

National: Price trends of snakehead fish, pork, and vegetable oil

National average retail prices of another three commonly consumed food commodities (snakehead fish, pork and vegetable oil) showed mixed trends in August 2021 with an increasing trend for snakehead fish and vegetable oil prices and a decreasing trend in pork price. The national average retail price for snakehead fish in August 2021 was 11,379 Riels/kg: **+7.3%** month-on-month (MoM) and **+20.6%** year-on-year (YoY). National average retail price for pork was 20,791 Riels/kg: **-2.7%** MoM and **-1.4%** YoY. National average retail price for vegetable oil continued to rise at 26,905 Riels/5 litres: **+1.4%** MoM and **+39.1%** YoY. See Annex 1 and 2 for additional prices.



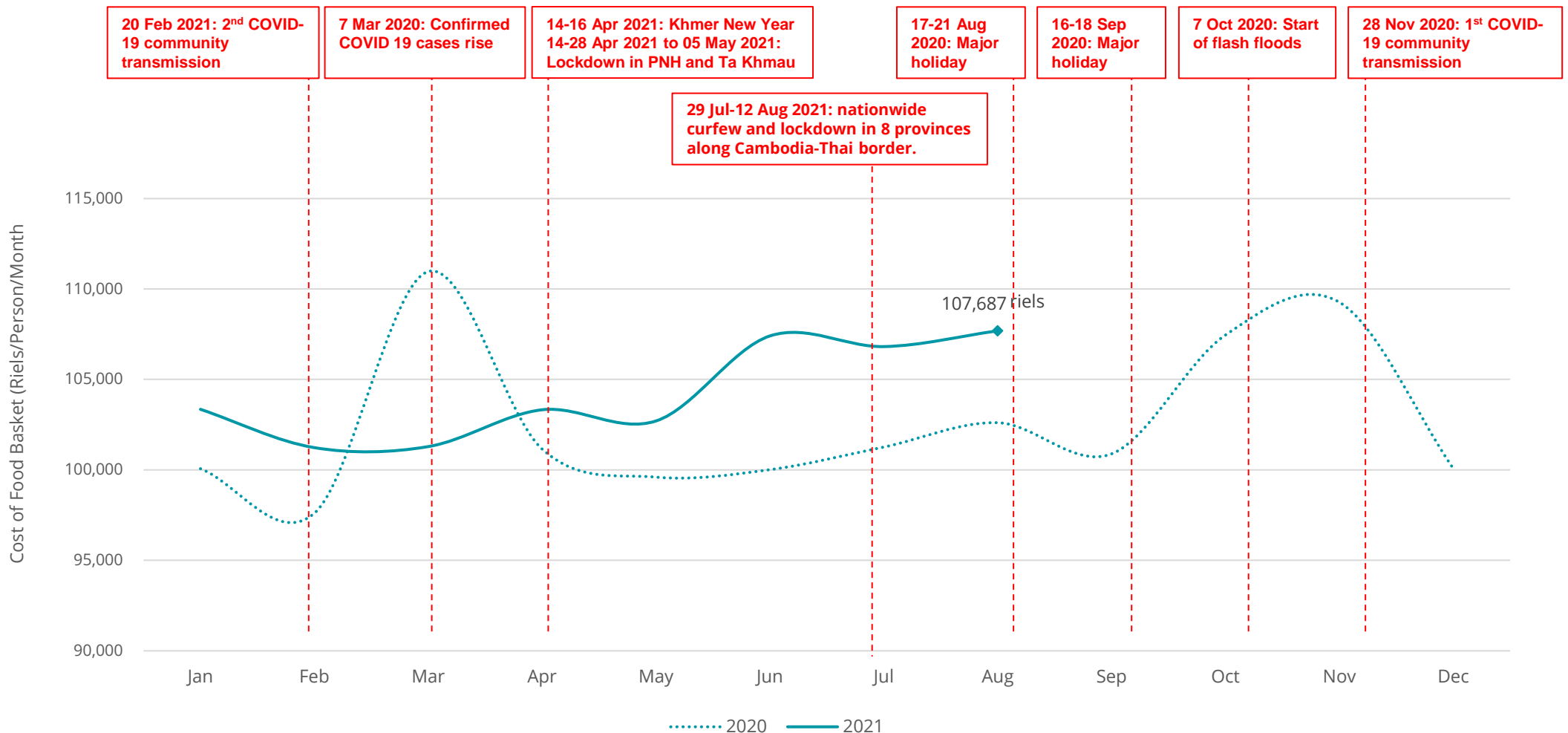
¹ Food prices in 2020 were remotely collected in the first week of the month in only 14 markets.

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National: Cost of a balanced food basket

The cost of a balanced food basket¹ was calculated to assist with interpreting the impact of monthly food commodity price changes on the cost of a healthy diet consumed in Cambodia. The average cost of a balanced food basket spiked in March and October/November 2020 to 110,000 riels/person/month, reflecting price disruptions resulting from the initial impacts of COVID-19 and large-scale flooding, respectively. Since January 2021, the average cost of a balanced food basket has remained relatively stable until May 2021; however, the cost experienced a moderate increase since June 2021. The average cost of a balanced food basket in August 2021 was 107,687 riel/person/month, **+0.8% MoM** and **+4.9% YoY**.



¹ Balanced food basket consists of key commodities such as mixed rice, snakehead fish, pork, duck egg, vegetable oil, sweet potato and morning glory which contribute to the minimum energy requirement of 1,937 kcal per person per day. The minimum energy requirement was adopted from WFP's Minimum Expenditure Basket (MEB) study in Cambodia. See Annex 3 for more details on the methodology.

Sub-national: Price differences and changes in urban and rural areas

In August 2021, the average retail prices for pork and duck egg in rural areas were higher than in urban areas while the average retail prices of mixed rice, snakehead fish, vegetable oil and morning glory in rural areas were lower than in urban areas (Table 1). Between July-August 2021, the average retail price for key commodities, except duck egg and morning glory, in rural and urban areas followed the same direction of change. The prices of snakehead fish and vegetable oil increased, while prices of mixed rice and pork decreased. Prices of snakehead fish and vegetable oil increased by **8.9%** and **2.1%** MoM in rural areas, respectively, and **6.2%** and **0.5%** MoM in urban areas, respectively. Prices of mixed rice and pork decreased by **2.7%** and **4.0%** MoM in rural areas, respectively, and **0.9%** and **1.4%** MoM, respectively, in urban areas. The average retail price of morning glory declined by **12.2%** in rural areas but increased by **7.3%** in urban areas. The average retail price of duck egg increased by **2.9%** in rural areas but declined by **4.4%** in urban areas.

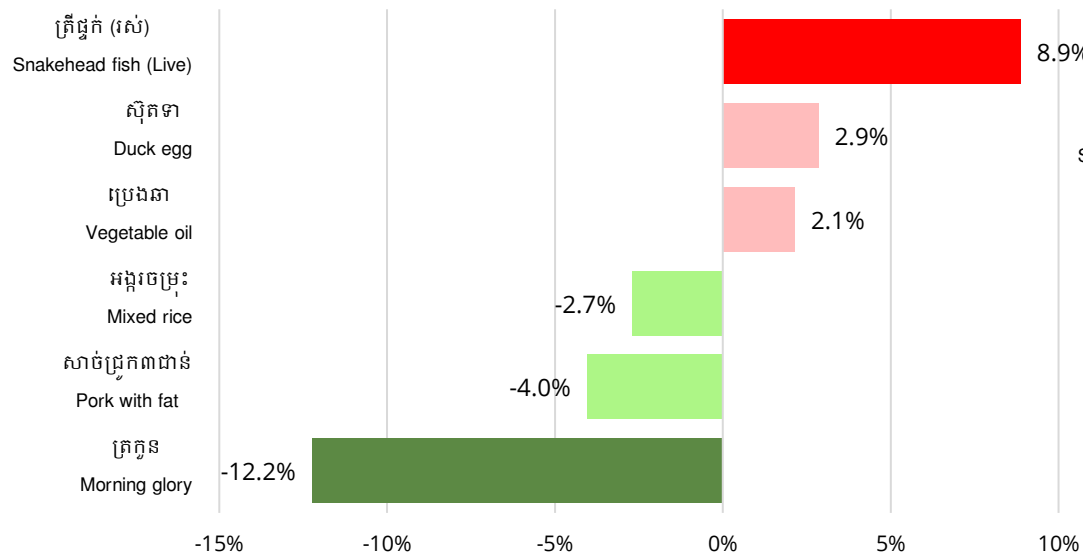
Table 1: Retail prices (riels) in rural and urban areas

	Urban	Rural
Mixed rice (kg)	2,137	2,112
Snakehead fish (Live) (kg)	11,478	11,238
Pork with fat (kg)	20,777	20,808
Duck egg (10 eggs)	5,079	5,129
Vegetable oil (5 liters)	27,215	26,559
Morning glory (kg)	2,504	2,306

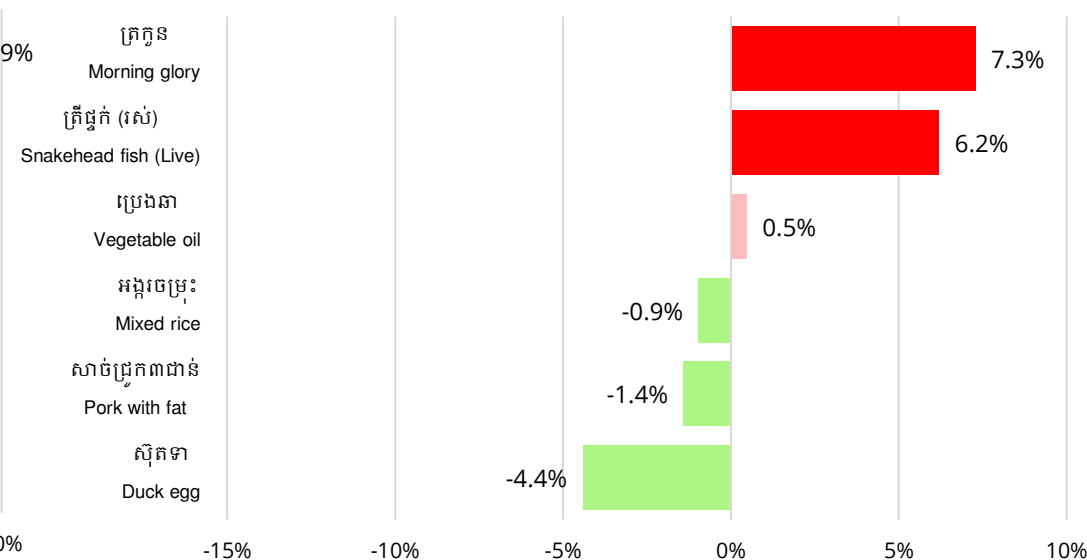
Monthly change (%) in retail prices of key food commodities

July 2021 vs August 2021

ជនបទ / Rural



ទីប្រជុំជន / Urban

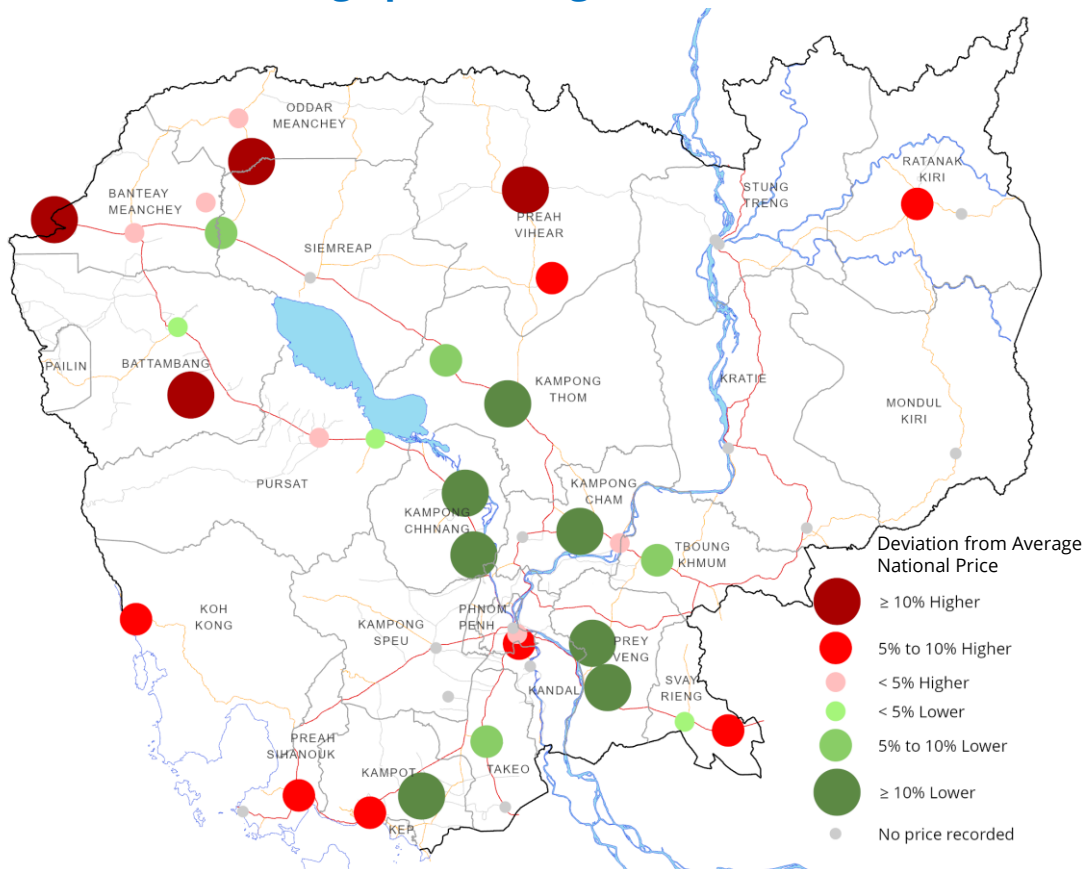


NB: Data is from all 45 markets. See the Methods section for more details.

Sub-national: Price variation for snakehead fish and vegetable oil

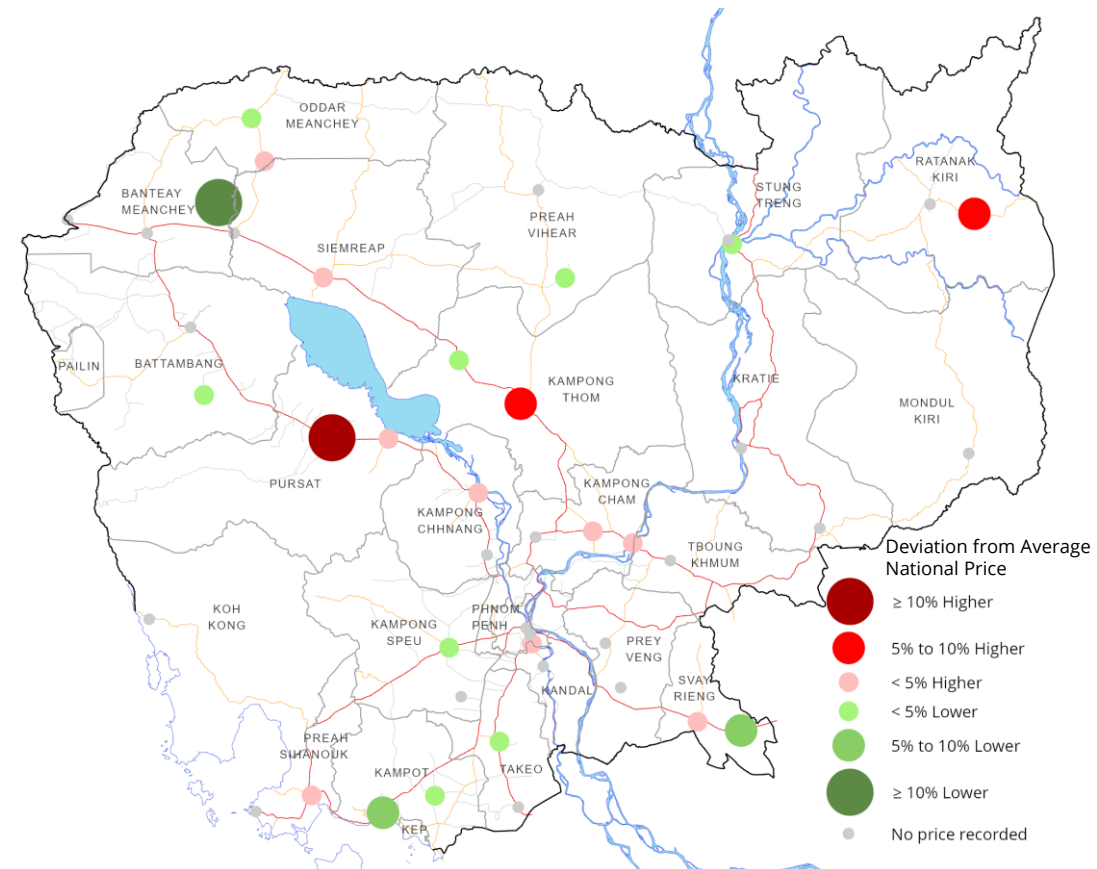
In August 2021, the national average retail price of snakehead fish (live) was **11,379 Riels/kg**. The highest price (13,000 Riels) was in Kandal market in Banteay Meanchey province, Koas Kralor market in Battambang province and Chong Kal market in Oddar Meanchey province (14% higher than the national average). The lowest price (9,750 Riels) was in Prey Totung market in Kampong Cham province (15% lower than the national average). Percentage of price deviation in other markets can be found in the map below.

Snakehead fish prices by province vs national average prices (August 2021)



In August 2021, the national average retail price of vegetable oil was **26,905 Riels/5 liters**. The highest price (30,000 Riels) was in Thom Tmey market in Pursat province (12% higher than the national average). The lowest price (22,000 Riels) was in Phnom Srok market in Banteay Meanchey province (18% lower than the national average). Percentage of price deviation in other markets can be found in the map below.

Vegetable oil prices by province vs national average prices (August 2021)



Trade and local production

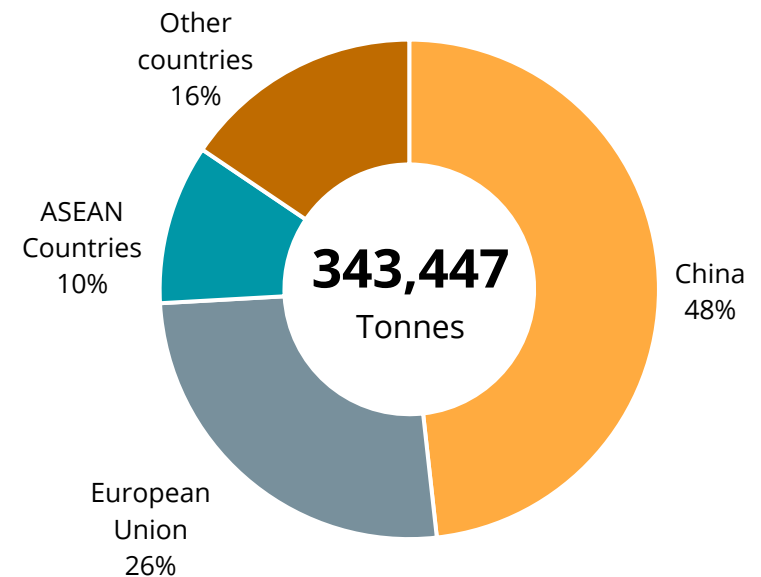
Despite the continuing impact of COVID-19 on the Cambodian economy in 2021, aggregate statistics of trade and agricultural production remain favorable. According to the MAFF annual report 2020-2021, total paddy rice production is 10.94 million metric tonnes (MT), a surplus of 5.92 million MT for processing and export. Wet season rice cultivation in 2021 is also favorable. According to the MAFF situation report in August 2021, the cultivated area of wet season paddy, horticulture, and industrial crops was 2.68 million hectares (+5% compared to same period last year), 53,399 hectares (+2%) and 776,056 hectares (+2%), respectively.

By August 2021, harvesting of wet season paddy has started in some provinces amounting to 1.42 million MT which is 93% higher than during same period last year. Moreover, in the first eight months of 2021, freshwater and offshore fishing production was 280,700 MT (-5% compared to same time in 2020) and aquaculture production was 151,169 MT (-38%) (MAFF situation report, 6 September 2021).

Exports of agricultural production in the first eight months of 2021 totalled more than 5.54 million MT (equivalent to USD 3.23 billion), about 89% higher than the same period last year. Cambodia exported approximately 2.38 million MT of paddy rice (equivalent to USD 393 million) to Vietnam, 85% higher than the same period last year (Official Facebook Page of the Minister of MAFF, 31 August 2021). In addition, milled rice exports were 343,447 MT (equivalent to USD 291.9 million), a decrease of about 23% compared to the same period last year. China continues to be the main destination of milled rice exports (48%), followed by the European Union (26%), ASEAN countries (10%) and other countries (16%) accounting for the remainder (MAFF situation report, 6 September 2021).

In the first eight months of 2021, Cambodia also exported about 3.63 million MT (equivalent to USD 2.5 billion) of other key agricultural products including 1.28 million MT of dry cassava (+12% compared to same period last year), 469,300 MT of fresh cassava (-4.6%), 18,701 MT of cassava powder (+6%), 0.87 million MT of cashew nut (+340%), 152,204 MT of corn (-21%), 23,230 MT of mung bean (+498%), 19,880 MT of soybean (+100%), 163,828 MT of fresh mango (+251%), 37,836 MT of oil palm (+4%), 24,847 MT of pepper (+551%), 1,899 MT of tobacco (-62%) and 66.5 MT of mixed vegetable (-15%) (Official Facebook Page of the Minister of MAFF, 31 August 2021).

**Milled rice exports, as of August 2021,
by destination**



Source: MAFF Situation Report in August 2021

Policy response

Social policy response

The Government's COVID-19 economic recovery plan includes several social protection measures. Since 24 June 2020, the Government has implemented a nationwide cash transfer programme for poor and vulnerable households during the pandemic. According to the Ministry of Social Affairs, Veterans and Youth Rehabilitation (MoSAVY), 667,217 IDPoor households (approximately 2.6 million people) have received USD 410.77 million in cash transfers from the start of the programme on 25 June 2020 until 24 August 2021.

The National Social Protection Broadcasting Mechanism, a joint initiative of the General Secretariat of the National Social Protection Council and Oxfam Cambodia supported by GIZ, was launched and aims to broadcast information on social assistance and social security programmes to the population of Cambodia (Facebook Page of Social Protection in Cambodia, 30 August 2021).

COVID-19 vaccination

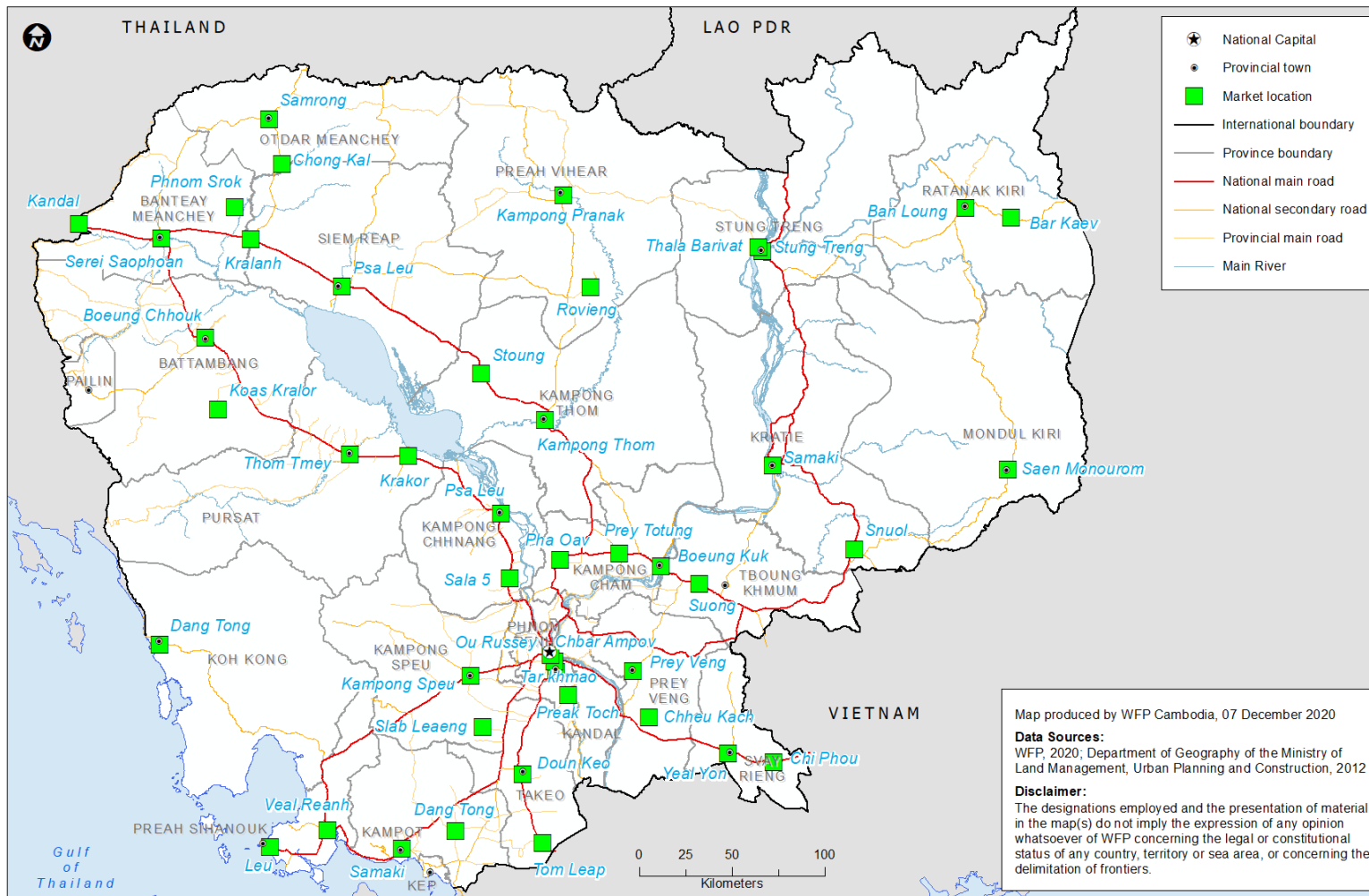
According to master plan of COVID-19 vaccination nationwide (March 2021) and action plan for COVID-19 vaccination for people above the age of 12 (July 2021), the Government aims to vaccinate nearly 12 million people by November 2021. As of 31 August 2021, more than 10.8 million people (of which 5.42 million women) received at least the 1st dose of the Covid-19 vaccine, achieving about 90% of the plan. Among them, around 8.52 million people (of which about 4.27 million women) have received their 2nd dose. The Government has also started to vaccinate the 3rd dose (a booster dose vaccination for people who have been fully vaccinated with the 1st and 2nd dose) from August 2021 and more than 616,000 people (of which 199,000 women) have received their booster dose by this month.



Beneficiaries are invited to present their IDPoor card to the nearest Wing agent to receive their cash pay-out from 25th July 2021 until 24th August 2021. Source: Facebook Page of Social Protection in Cambodia, 25 August 2021

Methods and market locations

Markets for Remote Data Collection



In November 2019, WFP began monitoring food prices in selected markets using a call center. Trained operators called traders once a month to collect data on 36 food commodities in 14 urban and rural markets in Battambang, Kampong Chhnang, Kampong Thom, Otdar Meanchey, Siem Reap, Preah Vihear and Stung Treng.

In March 2020, WFP, in collaboration with the Agricultural Marketing Office (AMO) of the Ministry of Agriculture, Forestry and Fisheries (MAFF), conducted a market survey in 31 additional markets to collect baseline data and expand the geographic coverage of markets. In these markets, the price of 16 key food commodities and information on market functionality is also collected.

From mid-April 2020, WFP expanded remote market monitoring to all 45 markets and increased the frequency to twice a month (i.e., the first and third weeks of the month).

Agricultural Marketing Office

Department of Planning and Statistics,
Ministry of Agriculture, Forestry and Fisheries

Meach Yady meachyady@gmail.com

Website: <https://www.amis.org.kh/>

United Nations World Food Programme

Vulnerability Analysis and Mapping (VAM) Unit

Benjamin Scholz benjamin.scholz@wfp.org, Yav Long yav.long@wfp.org, Chanvibol Choeur chanvibol.choeur@wfp.org, Vannareth Huoy vannareth.huoy@wfp.org

Website: <https://www.wfp.org/countries/cambodia>

Food Commodity	Unit	Average retail prices of current month	Change of retail prices compared to last month	Change of retail prices compared to last 3 months	Change of retail prices compared to same month, last year
1.1. អង្ករចម្រុះ/ Mixed Rice	Riels/Kg	2,127	▶ -1.7%	▶ -0.6%	▶ 4.8%
2.1. ត្រីផ្នក់(រស់)/ Snakehead fish (Live)	Riels/Kg	11,379	▲ 7.3%	▲ 20.8%	▲ 20.6%
2.2. ត្រីប្រា(រស់)/ Trey Pra (Live)	Riels/Kg	6,941	▶ -1.2%	▶ 2.3%	▶ 1.7%
2.3. ត្រីអណ្តែង(រស់)/ Cat fish (Live)	Riels/Kg	7,709	▶ -0.3%	▲ 7.0%	▶ 0.6%
2.4. ត្រីផ្នក់ដៀត/ Dried snake fish	Riels/Kg	26,643	▶ 4.3%	▲ 5.4%	▲ 6.8%
3.1. សាច់ជ្រូក៣ជាន់/ 3-layer pork/Pork with fat	Riels/Kg	20,791	▶ -2.7%	▶ -4.4%	▶ -1.4%
4.1. ស៊ីតទា/Duck egg (Riels/10 eggs)	Riels/10 eggs	5,106	▶ -1.0%	▲ 10.8%	▶ 3.3%
4.2. ស៊ីតទាប្រៃ/Salty/Fermented duck egg	Riels/10 eggs	6,302	▶ 0.4%	▶ -0.4%	▶ -0.4%
5.1. ប្រេងឆា/ Vegetable Oil: Saji ឬ Mongsay ឬ Cailan	Riels/ 5 litre	26,905	▶ 1.4%	▲ 5.8%	▲ 39.1%
6.1. អំបិលម៉ត់អ៊ីយូត/ Iodized salt	Riels/Kg	1,204	▶ 3.0%	▲ 5.5%	▶ 0.3%
7.1. សណ្តែកដី/ Ground Nut*	Riels/Kg	9,393	▼ -9.9%	▶ -3.9%	▶ -2.5%
8.1. ត្រីកូន/ Morning glory	Riels/Kg	2,423	▶ -1.4%	▶ 2.1%	▼ -8.9%
8.2. កាបូត/ Carrot*	Riels/Kg	3,352	▶ 0.4%	▶ 0.0%	▼ -13.5%
8.3. ស្លឹកបាស/ Ivy gourd leave*	Riels/Kg	4,067	▶ 2.6%	▶ -4.0%	▲ 5.5%
8.4. ស្លឹកម្រ្នី/ Moringa leaves*	Riels/Kg	4,096	▲ 23.3%	▼ -24.6%	▲ 7.1%
8.5. ស្ពៃក្រញាញ់/ Chinese spinach*	Riels/Kg	4,012	▲ 13.8%	▲ 8.9%	▶ -4.9%
8.6. ស្ពៃត្នៀ/ Pak Choi*	Riels/Kg	3,912	▲ 8.3%	▶ -4.2%	▼ -6.4%
8.7. ស្ពៃចង្កី/Chinese flowering cabbage	Riels/Kg	3,005	▲ 12.3%	▼ -9.2%	▶ -4.7%
8.8. ស្ពៃខៀវ/Mustard Greens*	Riels/Kg	3,488	▲ 11.9%	▲ 15.2%	▼ -12.1%
8.9. ផ្លីដូង/ Amaranthus*	Riels/Kg	3,224	▶ -2.8%	▲ 6.4%	▼ -7.8%
8.10. ស្លឹកងាប់/ Ngob leaves*	Riels/Kg	4,660	▼ -16.4%	▶ 3.4%	▶ -3.6%
8.11. ត្រួយល្អៅ/ Pumpkin leaves*	Riels/Kg	4,000	▼ -22.9%	▲ 30.2%	▼ -15.9%
8.12. ផ្លែល្អៅ/ Pumpkin fruit*	Riels/Kg	2,413	▲ 19.5%	▲ 53.8%	▶ 2.9%
8.13. ប្លោក/ Bottle gourd*	Riels/Kg	1,944	▶ -2.8%	▲ 41.4%	▶ 0.0%
8.14. ត្រឡាច/ Wax gourd	Riels/Kg	2,308	▼ -17.4%	▲ 20.7%	▶ 1.4%
8.15. ត្រប់វែង/ Long eggplants	Riels/Kg	2,474	▼ -5.5%	▲ 14.6%	▶ 0.7%
8.16. ត្រប់ស្រយ/ Round eggplants*	Riels/Kg	2,544	▶ -0.9%	▲ 33.5%	▲ 5.6%
8.17. ប៉េងប៉ា/ Tomatoes*	Riels/Kg	3,450	▼ -11.2%	▶ -4.6%	▼ -19.2%
8.18. ននោងមូល/ Spong gourd	Riels/Kg	2,502	▶ -0.9%	▲ 10.2%	▶ -1.9%
8.19. ននោងជ្រុង/ Ridge Gourd*	Riels/Kg	2,533	▼ -11.3%	▲ 17.7%	▼ -21.0%
8.20. ល្អងខ្ចី/ Green papaya*	Riels/Kg	1,508	▶ 1.6%	▲ 8.4%	▼ -6.8%
8.21. សណ្តែកគូរ/ Long bean	Riels/Kg	3,290	▼ -14.5%	▼ -12.8%	▲ 6.6%
8.22. ត្រឡាចចេក/ Banana flower*	Riels/Kg	2,503	▶ 4.8%	▼ -8.5%	▶ -4.0%
8.23. ផ្កាខាត់ណា/ Cauliflower*	Riels/Kg	7,132	▼ -7.3%	▲ 6.0%	▼ -10.9%
8.24. ដើមខាត់ណា/ Chinese Kale*	Riels/Kg	5,344	▶ 1.2%	▲ 11.7%	▼ -15.3%
8.25. ដំឡូងពណ៌លឿង/ Orange-flesh Sweet Potatoes*	Riels/Kg	2,331	▲ 10.0%	▲ 10.6%	▼ -14.8%

Annex 1

Change in retail prices (August 2021)

Change in the price compared to last month and last year:

- ▲ Increase when % > 5
- ▶ Stable when % between 5 and -5
- ▼ Decrease when % < -5

* Prices for these food commodities are only collected in markets in provinces where home-grown school feeding is implemented.

Note: Price data and change are reported in nominal term/prices "The prices observed in the market places".

Food Commodity	Unit	Average wholesale prices of current month	Change of wholesale prices compared to last month	Change of wholesale prices compared to last 3 months	Change of wholesale prices compared to same month, last year
1.1. អង្ករចម្រុះ/ Mixed Rice	Riels/Kg	1,992	▶ -2.3%	▶ -1.7%	▶ 4.1%
2.1. ត្រីផ្នក់(រស់)/ Snakehead fish (Live)	Riels/Kg	10,515	▲ 9.0%	▲ 22.2%	▲ 23.1%
2.2. ត្រីប្រា(រស់)/ Trey Pra (Live)	Riels/Kg	6,239	▶ -1.3%	▶ 1.7%	▶ 1.6%
2.3. ត្រីអណ្តែង(រស់)/ Cat fish (Live)	Riels/Kg	6,925	▶ 0.7%	▲ 9.2%	▶ -1.9%
2.4. ត្រីផ្នក់ដៀត/ Dried snake fish	Riels/Kg	25,269	▲ 5.2%	▲ 9.9%	▲ 7.1%
3.1. សាច់ជ្រូក៣ជាន់/ 3-layer pork/Pork with fat	Riels/Kg	19,266	▶ -3.0%	▼ -5.2%	▶ -2.6%
4.1. ស៊ីតទា/Duck egg (Riels/10 eggs)	Riels/10 eggs	4,725	▶ -1.7%	▲ 13.2%	▶ 1.5%
4.2. ស៊ីតទាប្រៃ/Salty/Fermented duck egg	Riels/10 eggs	5,861	▶ 0.2%	▶ 0.7%	▶ -2.3%
5.1. ប្រេងឆា/ Vegetable Oil: Saji ឬ Mongsay ឬ Cailan	Riels/ 5 litre	26,308	▶ 2.4%	▲ 5.8%	▲ 39.8%
6.1. អំបិលម៉ត់អ៊ីយ៉ូត/ Iodized salt	Riels/Kg	989	▶ 1.9%	▶ 4.9%	▼ -5.7%
7.1. សណ្តែកដី/ Ground Nut*	Riels/Kg	8,688	▼ -7.4%	▼ -8.8%	▼ -5.6%
8.1. ត្រីកូន/ Morning glory	Riels/Kg	2,000	▶ -1.0%	▲ 7.3%	▼ -6.7%
8.2. កាបូត/ Carrot*	Riels/Kg	2,798	▶ -0.5%	▶ -1.2%	▼ -16.8%
8.3. ស្លឹកបាស/ Ivy gourd leave*	Riels/Kg	3,423	▲ 6.1%	▶ 1.3%	▲ 19.9%
8.4. ស្លឹកម្រ្នី/ Moringa leaves*	Riels/Kg	3,444	▲ 19.0%	▼ -33.3%	▲ 19.2%
8.5. ស្ពៃក្រញាញ់/ Chinese spinach*	Riels/Kg	3,398	▲ 16.6%	▲ 10.2%	▶ -4.4%
8.6. ស្ពៃត្នៀ/ Pak Choi*	Riels/Kg	3,261	▲ 8.0%	▼ -5.7%	▼ -6.3%
8.7. ស្ពៃចង្កី/Chinese flowering cabbage	Riels/Kg	2,466	▲ 11.4%	▼ -11.7%	▼ -5.2%
8.8. ស្ពៃខៀវ/Mustard Greens*	Riels/Kg	2,850	▲ 12.6%	▲ 17.9%	▼ -9.3%
8.9. ផ្លីដូង/ Amaranthus*	Riels/Kg	2,556	▶ 4.8%	▲ 18.3%	▶ -0.1%
8.10. ស្លឹកងាប់/ Ngob leaves*	Riels/Kg	3,833	▼ -14.8%	▼ -5.6%	▲ 5.4%
8.11. ត្រួយល្អៅ/ Pumpkin leaves*	Riels/Kg	3,517	▼ -17.3%	▲ 43.5%	▼ -11.7%
8.12. ផ្លែល្អៅ/ Pumpkin fruit*	Riels/Kg	1,978	▲ 28.6%	▲ 90.6%	▲ 13.1%
8.13. ប្លោក/ Bottle gourd*	Riels/Kg	1,778	▲ 11.1%	▲ 51.3%	▶ 0.0%
8.14. ត្រឡាច/ Wax gourd	Riels/Kg	1,893	▼ -19.1%	▲ 20.3%	▶ 0.8%
8.15. ត្រប់វែង/ Long eggplants	Riels/Kg	2,014	▼ -8.6%	▲ 13.6%	▲ 6.3%
8.16. ត្រប់ស្រយ/ Round eggplants*	Riels/Kg	2,006	▼ -6.8%	▲ 40.3%	▲ 9.7%
8.17. ប៉េងប៉ា/ Tomatoes*	Riels/Kg	2,863	▼ -12.5%	▶ 0.1%	▼ -18.8%
8.18. ននោងមូល/ Spong gourd	Riels/Kg	2,058	▶ -0.8%	▲ 14.7%	▶ 0.3%
8.19. ននោងជ្រុង/ Ridge Gourd*	Riels/Kg	2,033	▼ -12.4%	▲ 22.2%	▼ -22.9%
8.20. ល្អងខ្ចី/ Green papaya*	Riels/Kg	1,138	▶ -1.5%	▲ 12.7%	▼ -5.8%
8.21. សណ្តែកគូរ/ Long bean	Riels/Kg	2,797	▼ -14.7%	▼ -11.0%	▲ 11.7%
8.22. ត្រឡាចចេក/ Banana flower*	Riels/Kg	2,156	▲ 10.1%	▼ -12.3%	▼ -7.5%
8.23. ផ្កាខាត់ណា/ Cauliflower*	Riels/Kg	6,328	▼ -5.9%	▲ 5.3%	▼ -14.8%
8.24. ដើមខាត់ណា/ Chinese Kale*	Riels/Kg	4,776	▶ 2.9%	▲ 15.3%	▼ -13.4%
8.25. ដំឡូងពណ៌លឿង/ Orange-flesh Sweet Potatoes*	Riels/Kg	2,048	▲ 20.6%	▲ 13.0%	▼ -7.5%

Annex 2 Change in wholesale prices (August 2021)

Change in the price compared to last month and last year:

- ▲ Increase when % > 5
- ▶ Stable when % between 5 and -5
- ▼ Decrease when % < -5

* Prices for these food commodities are only collected in markets in provinces where home-grown school feeding is implemented.

Note: Price data and change are reported in nominal term/prices "The prices observed in the market places".

Annex 3: Cost of a balanced food basket

The development of the balanced food basket presented in this report draws heavily from WFP's Minimum Expenditure Basket (MEB) analyses in Cambodia. To construct the food basket used in those analyses, a reference cohort from the 2014 Cambodia Socioeconomic Survey (CSES) dataset was established based on the following criteria:

- i. Household total monthly expenditures falls between the 2nd and 4th quintiles;
- ii. Household has adequate food security (acceptable food consumption score);
- iii. Household did not utilize any negative coping strategies.

A food basket for this reference cohort was then established to understand if the consumption patterns were in line with what would be expected of a household to live a healthy and active life.¹ To do this, certain food items were identified to represent the categories captured in the food expenditure module (see Table 2 for the full list). The kilocalories of each food were identified and the quantities were derived from the CSES 2014 expenditure data to determine if the calories in the basket were in line with what one would expect of a person living a healthy and active life from a rights-based perspective.

Because the WFP market monitoring system does not capture prices for a few food commodities used in the MEB analyses, these had to be dropped for the balanced food basket tracked in this report. Nevertheless, the dietary pattern reflected by the food items (and their weights, as captured in the g/person/day values) serve as a useful proxy for the cost of a balanced, healthy diet in Cambodia.

Table 2. Summary of inputs for calculation of balanced food basket

Food category ²	Food commodity ³	Food commodity ⁴	kcal/person/day ²	g/person/day ²	Riels/g ⁴	Riels/person/month ⁴
Cereals	Rice	1.1. អង្ករចម្រុះ/ Mixed Rice	1,470.23	413.0	2.13	26,719
Fish	Mud fish	2.1. ត្រីផ្លែក្រវាត់(រស់)/ Snakehead fish (Live)	76.47	91.0	11.38	31,507
Meat	Pork	3.1. សាច់ជ្រូកពាជាន់/ 3-layer pork/Pork with fat	77.75	40.7	20.79	25,742
Egg	Duck egg	4.1. ស៊ុតទា/Duck egg	21.92	11.8	8.17	2,944
Diary	Milk	---NA---	7	12.0	---	---
Oil	Vegetable oil	5.1. ប្រេងឆា/ Vegetable Oil: Saji ឬ Mongsay ឬ Cailan	115.36	12.8	5.91	2,308
Veg	Morning Glory	8.1. ត្រីក្លិន/ Morning glory	34.76	231.7	2.42	17,077
Tuber	Sweet Potato	8.25. ដំឡូងពណ៌លឿង/ Orange-flesh Sweet Potatoes	19.21	19.6	2.33	1,390
Pulses	Soybean, green bean	---NA---	8	21.6	---	---
Fruit	Banana	---NA---	91	96.4	---	---
Total			1,937	950.6	---	107,687

¹ The balanced food basket described and used in this market update should not be confused or conflated with the food basket used by the Ministry of Planning National Institute of Statistics (NIS) to construct national poverty lines. The basket in this report is constructed differently and is useful primarily as a proxy for food prices.

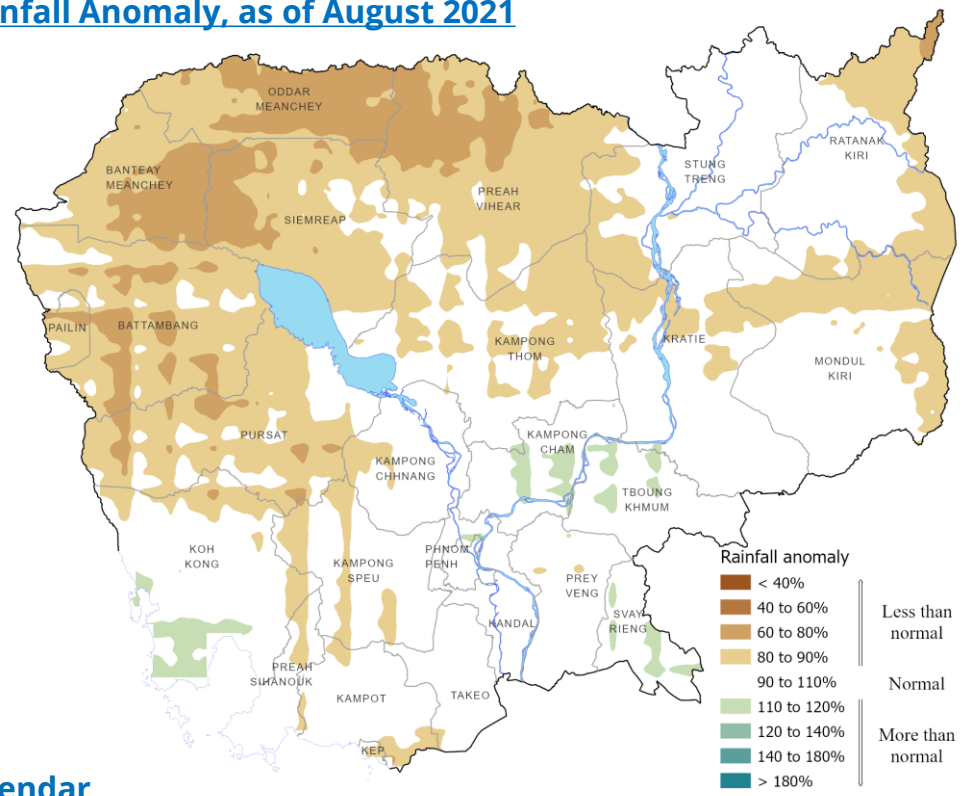
² Cambodia Socioeconomic Survey 2014. National Institute of Statistics, Cambodia.

³ Estimating Minimum Expenditure Baskets And Expenditure Gaps In Cambodia. Technical Report, June 2020. WFP Cambodia.

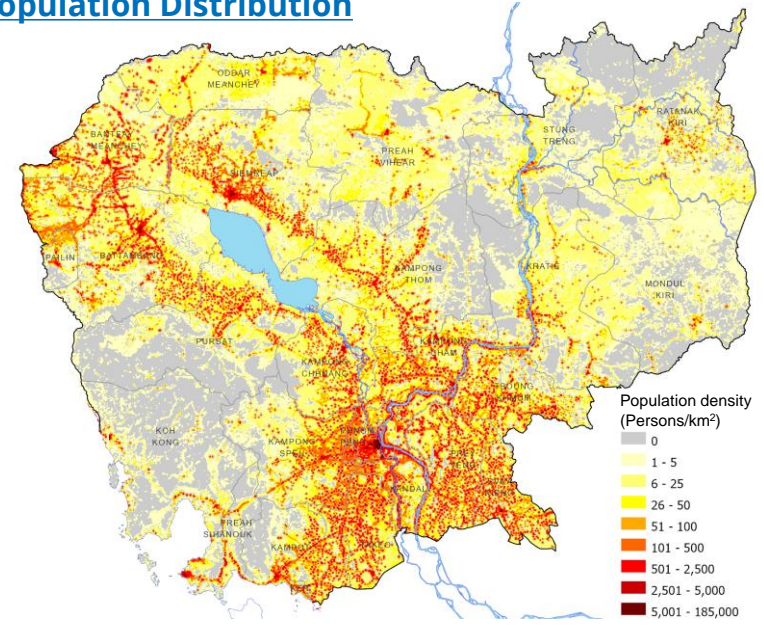
⁴ Cambodia Market Update, August 2021. WFP Cambodia.

Annex 4: Rainfall anomaly, seasonal calendar, population distribution and paddy cultivation areas

3-Month Rainfall Anomaly, as of August 2021

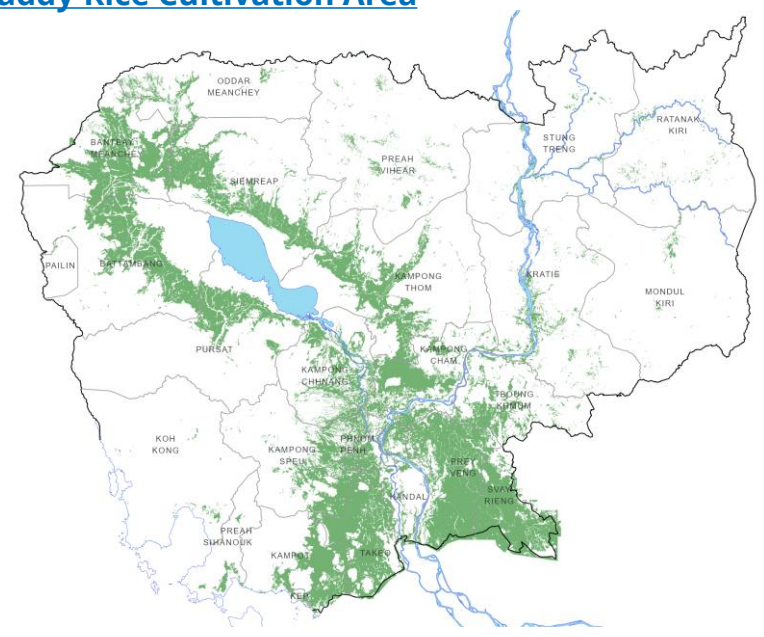


Population Distribution



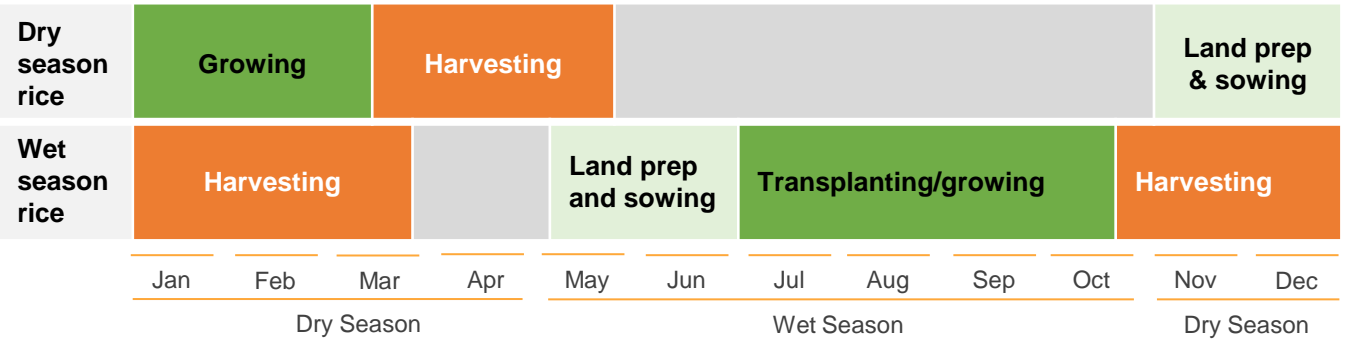
Source: LandScan™ Global, Oak Ridge National Laboratory, 2019

Paddy Rice Cultivation Area



Source: Ministry of Land Management, Urban Planning and Construction, 2008

Seasonal Calendar



Source: Final Rainfall from CHIRPS and analysis by WFP Cambodia