

WFP Market Monitoring in Yemen

I. Background

Yemen's heavy dependence on food imports exposes it to external shocks, particularly fluctuations in the local currency and global food prices. With food expenses constituting a substantial portion of household budgets, Yemeni households rely heavily on market purchases for their sustenance. As a result, market-related factors play a crucial role in driving food insecurity among most of the population.

To track economic and price trends in Yemeni markets, the World Food Programme (WFP) implemented a market monitoring system in 2009. This primary data is supplemented by secondary information from entities such as the Central Statistical Organization (CSO), Ministry of Planning and International Cooperation (MOPIC), and Ministry of Trade and Industry (MoTI) of Yemen. Additionally, international resources like the Food and Agriculture Organization (FAO) and Famine Early Warning Systems Network (FEWSNET) contribute to the comprehensive market analysis.

II. Objectives

The main objective of WFP's market monitoring is to enhance the understanding of market dynamics and functionality in Yemen to improve food security analysis and inform WFP's programmatic decision-making process.

III. Data

WFP collects price data of essential food/non-food commodities, fuel, and exchange rates across Yemen, covering 276 districts, including 23 main-city markets. This data is instrumental in reporting price fluctuations in essential commodities, including the cost of the food basket. Normally collected through a third party, any data gaps are filled using key informants. Monthly aggregated prices and all the historical data archive is available on [WFP's data viz](#) in a downloadable format.

IV. Methodology

WFP employs a systematic approach to monitor retail prices of food commodities and calculate the Minimum Food Basket (MFB) cost per person per month in Yemen. This involves monitoring essential food commodity prices in the main cities of all 22 governorates. At least three retailers per city are surveyed to ensure data accuracy and mitigate outliers. Prices are then averaged by city. The MFB cost calculation uses specific weights for different commodities to reflect their importance in the diet. Exchange rates (buy rate) of Yemeni riyal (YER) against the US dollar (USD) are also monitored weekly and monthly in parallel markets in the main cities. Additionally, WFP tracks fuel prices, including petrol, diesel, and cooking fuel, obtained from fuel stations, community leaders, designated outlets, and the unofficial parallel market. If fuel prices are missing in the main cities, data collection extends to the district level of the same governorate to

ensure comprehensive coverage and accuracy. Price data collection instrument is annexed.

V. Cleaning process

WFP has developed corporate approaches and best practices for collecting, cleaning, and analyzing price data. Third-party monitors (TPMs) are trained in data collection and use standard price collection tools. Quality checks are applied to identify outliers and anomalies, and TPMs ensure data cleaning for consistency, quality, and coherence with standard prices. Any outliers, duplicates, or incorrect entries are flagged, corrected, or rejected before the data is synced with WFP's price monitoring database.

استمارة جمع بيانات الاسعار الاسبوعية

Weekly Data collection List

| القسم 1: الباحث/ الباحثة | |
|--|--|
| 1.1 | اسم الباحث/ الباحثة Name of Enum |
| 1.2 | تاريخ جمع البيانات Date of data collection |
| 2023/ [] [] / [] [] يوم شهر سنة | |
| القسم 2: موقع السوق | |
| 2.1 | المحافظة Governorate |
| 2.2 | المديرية District |
| 2.3 | المدينة / القرية City/Village |
| 2.4 | الحالة الحضرية Location Status |
| 2.5 | اسم السوق Name of Market |
| 2.6 | نوع السوق Type of Market |
| | Urban حضر 1- Rural ريف 2- weekly اسبوعي daily يومي 1- 2- [] |

| القسم 3 : أسعار سلع التجزئة Retail price for Main Food Commodity | | | | | | | | | | |
|--|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------|---|---|------|
| العلامة التجارية/ Brand (i) | (H) التوافر 1=متوفر 2=متوفر بشكل بسيط 3=غير متوفر 99-لم يجمع بيان | السعر الوحدة kg50 (G) | السعر الوحدة kg40 (F) | السعر الوحدة kg25 (E) | السعر الوحدة kg20 (D) | السعر الوحدة kg10 (C) | السعر الوحدة kg5 (B) | السعر الوحدة liter 1 /kg1 /day1 /1 unit (A) | الصف Commodity | No |
| | | | | | | | | [] [] [] [] | البر الجبوب Wheat | 3.1 |
| | | | | | | | | [] [] [] [] | الدقيق الابيض flour, white | 3.2 |
| | | | | | | | | [] [] [] [] | الدقيق الاحمر flour, brown | 3.3 |
| | | | | | | [] [] [] [] | | [] [] [] [] | السكر Sugar | 3.4 |
| | | | | | | | [] [] [] [] | [] [] [] [] | الزيت النباتي (الذرة) liter/1L-5L (vegetable) Oil | 3.5 |
| | | | | | | | [] [] [] [] | [] [] [] [] | زيت النخيل liter/ Oil (Palm oil) | 3.6 |
| | | | | | | | [] [] [] [] | [] [] [] [] | زيت عباد الشمس liter/ Oil Sunflower | 3.7 |
| | | | | | | | [] [] [] [] | [] [] [] [] | الارز البسمتي (Basmati) Rice | 3.8 |
| | | | | | | | [] [] [] [] | [] [] [] [] | الارز التايلندي (Thai) Rice | 3.9 |
| | | | | | | | | [] [] [] [] | الفاصوليا الحمراء المستوردة, imported, | 3.10 |

القسم 3 : أسعار سلع التجزئة Retail price for Main Food Commodity

| العلامة التجارية/ Brand (i) | (H) التوافر 1=متوفر 2=متوفر بشكل بسيط 3=غير متوفر 99=لم يجمع بيان | السعر Price الوحدة kg50 (G) | السعر Price الوحدة kg40 (F) | السعر Price الوحدة kg25 (E) | السعر Price الوحدة kg20 (D) | السعر Price الوحدة kg10 (C) | السعر Price الوحدة kg5 (B) | السعر Price الوحدة liter 1 /kg1 /day1 /1 unit (A) | الصف Commodity | No |
|--------------------------------|---|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|-------------------------------------|---|--|------|
| | | | | | | | | □□□□□ | الفاصوليا البيضاء المستوردة White beans imported | 3.11 |
| | | □ □□□□□ | | | | | | □□□□□ | العدس الاحمر المستورد Lentils red imported | 3.12 |
| | | | | | | | | □□□□□ | العدس الاصفر المستورد Yellow split peas imported | 3.13 |
| | | | | | | | | □□□□□ | الملح /500g- Salt (iodized) | 3.14 |
| | | | | | | | | □□□□□ | البطاط Potato | 3.15 |
| | | | | | | | | □□□□□ | الطماطم Tomato | 3.16 |
| | | | | | | | | □□□□□ | البصل الابيض Onion white | 3.17 |
| | | | | | | | □□□□□ 30uint | □□□□□ 1uint | البيض Eggs | 3.18 |
| | | | | | | | | □□□□□ | اللحم البقري (beef) | 3.19 |
| | | | | | | | | □□□□□ | السماك االثمد thamad fresh | 3.20 |
| | | | | | | | | □□□□□ | الدجاج Chicken, fresh | 3.21 |
| | | | | | | | | □□□□□ | الحليب البودر powder (check brands) | 3.22 |
| | | | | | | | | □□□□□ | البترو Petrol | 3.23 |
| | | | | | | | | □□□□□ | الديزل Diesel | 3.24 |
| | | | | | □□□□□ Cylinder | | | | الغاز الطبخ Cooking gas | 3.25 |
| | | | | | | | | □□□□□ | البترو في السوق السوداء Petrol parallel market | 3.26 |
| | | | | | | | | □□□□□ | الديزل في السوق السوداء Diesel, parallel market | 3.27 |
| | | | | | □□□□□ Cylinder | | | | الغاز الطبخ في السوق السوداء Cooking gas, parallel market | 3.28 |
| | | | | | | | | □□□□□ | البترو (commercial) Petrol تجاري | 3.29 |
| | | | | | | | | □□□□□ | الديزل تجاري Diesel commercial)) | 3.30 |
| | | | | | □□□□□ Cylinder | | | | الغاز الطبخ التجاري (services) Cooking gas | 3.31 |
| | | | | | | | | □□□□□ | الغنم عمر سنة Male (one old) sheep | 3.32 |
| | | | | | | | | □□□□□ | الغنم عمر سنتين Male (two old) sheep | 3.33 |
| | | □ □□□□□ | | | | | | | سعر الطحن Milling cost | 3.34 |
| | | | | | | | | □□□□□ | الاجور العمالة الماهرة للبناء (Build) Wage rate for skilled labor | 3.35 |
| | | | | | | | | □□□□□ | الاجور العمالة الغير الماهرة للبناء (Build) Wage rate for unskilled labor | 3.36 |

| القسم 3 : أسعار سلع التجزئة Retail price for Main Food Commodity | | | | | | | | | | |
|--|---|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|-------------------------------------|---|--|------|
| العلامة التجارية/ Brand (i) | (H) التوافر 1=متوفر 2=متوفر بشكل بسيط 3=غير متوفر 99=لم يجمع بيان | السعر Price الوحدة kg50 (G) | السعر Price الوحدة kg40 (F) | السعر Price الوحدة kg25 (E) | السعر Price الوحدة kg20 (D) | السعر Price الوحدة kg10 (C) | السعر Price الوحدة kg5 (B) | السعر Price الوحدة liter 1 /kg1 /day1 /1 unit (A) | الصف Commodity | No |
| | | | | | | | | | الاجور العمالة في مجال القات Wage rate for skilled labor (qat) | 3.37 |
| | | | | | | | | | Qat (type سعر القات unit to be and determined at market (level and next time | 3.38 |
| | | | | | | | | | صابون نسيم Nassim NFI (soap?) | 3.39 |
| | | | | | | | | | صابون بودر (كريستال) Powder soap Crystal | 3.40 |
| | | | | | | | | | ماء الشرب (الفاروة) 0.75L Drinking water, bottled | 3.41 |
| | | | | | | | | | سعر truck Water الوابت الماء | 3.42 |
| | | | | | | | | | سعر الصرف الـ \$ exchange rate of unofficial | 3.43 |
| | | | | | | | | | سعر البيع الـ \$ exchange rate of selling | 3.44 |
| | | | | | | | | | Green_Peas price_1kg البازلاء الخضراء | 3.45 |
| | | | | | | | | | Beans (Cans) فول علب .400 Kg | 3.46 |
| | | | | | | | | | Electricity | 3.47 |

في حالة لاحظ الباحث وجود مواد برنامج الأغذية العالمي تباع بالسوق يتم تعبئة الجدول التالي: In case the researcher noticed the presence of WFP commodities sold in the market, the following table shall be filled

| القسم 4: مواد برنامج الأغذية WFP FOOD ASSISTANCE | | | | | | | | | | |
|--|--|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|-------------------------------------|-------------------------------------|---|-----|
| العلامة التجارية/ Brand (i) | (H) التوافر 1=متوفر 2=متوفر بشكل بسيط 3=غير متوفر 4=لم يجمع بيان | السعر Price الوحدة kg50 (G) | السعر Price الوحدة kg40 (F) | السعر Price الوحدة kg25 (E) | السعر Price الوحدة kg20 (D) | السعر Price الوحدة kg10 (C) | السعر Price الوحدة kg5 (B) | السعر Price الوحدة kg1 (A) | الصف Commodity | No |
| | | | | | | | | | البر الحبوب (food aid) Wheat | 4.1 |
| | | | | | | | | | الدقيق الابيض Wheat (food flour, white aid) | 4.2 |
| | | | | | | | | | الدقيق الاحمر Wheat (food flour, aid) brown | 4.3 |
| | | | | | | | | | السكر Sugar (food aid) | 4.4 |
| | | | | | | | | | زيت النباتي liter/ Oil (vegetable) (food aid) | 4.5 |

القسم 4: مواد برنامج الأغذية WFP FOOD ASSISTANCE

| العلامة التجارية/ Brand (i) | (H) التوافر 1=متوفر 2=متوفر بشكل بسيط 3=غير متوفر 4=لم يجمع بيان | السعر Price الوحدة 50kg (G) | السعر Price الوحدة 40kg (F) | السعر Price الوحدة 25kg (E) | السعر Price الوحدة 20kg (D) | السعر Price الوحدة 10kg (C) | السعر Price الوحدة 5kg (B) | السعر Price الوحدة 1kg (A) | الصف Commodity | No |
|--------------------------------|--|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|-------------------------------------|-------------------------------------|---|------|
| | | | | | | | | □□□□ | Rice (food aid) الارز Thai تيلندي | 4.6 |
| | | | | | | | | □□□□ | الفاصوليا الحمراء Red المستوردة beans, imported, high quality | 4.7 |
| | | | | | | | | □□□□ | الفاصوليا البيضاء المستوردة White beans imported | 4.8 |
| | | | | | | | | □□□□ | العدس الاصفر المستورد Yellow split peas imported | 4.9 |
| | | | | | | | | □□□□ | العدس الاحمر المستورد Lentils red imported | 4.10 |
| | | | | | | | | □□□□ | Green Peas price_1kg البازلاء الخضراء | 4.11 |

القسم 5: أسعار الجملة

| العلامة التجارية/ Brand (H) | (G) التوافر 1=متوفر 2=متوفر بشكل بسيط 3=غير متوفر 4=لم يجمع بيان | السعر Price الوحدة 50kg (F) | السعر Price الوحدة 40kg (E) | السعر Price الوحدة 25kg (D) | السعر Price الوحدة 20kg (C) | السعر Price الوحدة 10kg (B) | السعر Price الوحدة 8 L (A) | السعر Price الوحدة 5kg (A) | الصف Commodity | No |
|--------------------------------|--|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|-------------------------------------|-------------------------------------|--|-----|
| | | □ □□□□ | | | | | | | البر الجبوب Wheat | 5.1 |
| | | □ □□□□ | | □□□□ | | | | | الدقيق الابيض flour, Wheat white | 5.2 |
| | | □ □□□□ | | □□□□ | | | | | الدقيق الاحمر Wheat flour, brown | 5.3 |
| | | □ □□□□ | | | | □□□□ | | □□□□ | السكر Sugar | 5.4 |
| | | | | | □□□□ | □□□□ | □□□□ | | زيت النخيل liter/ Oil (Palm oil) | 5.5 |
| | | | | | | | | □□□□ | زيت عباد الشمس/ liter/ Oil Sunflower | 5.6 |

القسم 5: أسعار الجملة

| العلامة التجارية / Brand (H) | (G) التوافر 1=متوفر 2=متوفر بشكل بسيط 3=غير متوفر 4=لم يجمع بيان | السعر Price الوحدة kg50 (F) | السعر Price الوحدة kg40 (E) | السعر Price الوحدة kg25 (D) | السعر Price الوحدة kg20 (C) | السعر Price الوحدة kg10 (B) | السعر Price الوحدة L 8 | السعر Price الوحدة kg5 (A) | الصف Commodity | No |
|------------------------------|--|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|------------------------|----------------------------|--|------|
| | | | □ □□□□ | | | | | | الارز البسمتي Rice (Basmati) | 5.7 |
| | | | □ □□□□ | | | | | | الارز التايلندي (Thai) Rice | .58 |
| | | □ □□□□ | | | | | | | الفاصوليا الحمراء المستوردة Red beans, imported, | 5.9 |
| | | □ □□□□ | | | | | | | الفاصوليا البيضاء المستوردة White beans imported | 5.10 |
| | | □ □□□□ | | | | | | | العدس الاحمر المستورد Lentils red imported | 5.11 |
| | | □ □□□□ | | | | | | | العدس الاصفر المستورد Yellow split peas imported | 5.12 |
| | | □ □□□□ | | | | | | | Green_Peas price_1kg البازلاء الخضراء | 5.13 |