

# Wheat-to-Bread Processing Facilities Mapping Study

Northeast Syria – Quarter 3



# Wheat-to-Bread Processing Facilities Mapping

Northeast Syria, November 2023

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## Introduction

Bread is an essential part of the daily diet for Syrians, and wheat, being its primary component, plays a pivotal role in sustaining their nutritional needs. As one of the most vital food crops in the region, wheat holds a key position in ensuring food security. However, the conflict that was initiated in 2011 has indeed brought significant disruptions to the wheat-to-bread value chain, affecting various aspects of wheat production, milling, and the availability of bread for the population, thus impacting their food security and overall well-being.

Along with the decline in wheat production, key infrastructure critical to food security in Syria, including bakeries, mills, and silos, has suffered immensely since the conflict's onset. Strained supply chains, disrupted access routes, and deliberate targeting by armed actors have resulted in substantial damage. Consequently, humanitarian actors have stepped in to support essential activities within the wheat-flour to bread program. These endeavors are instrumental in addressing both the immediate and long-term needs of the affected communities.

In this report, our primary focus is delineating the comprehensive requirements of the Syrian population concerning the wheat to bread value chain. The aim is to assist humanitarian relief organizations in their planning and project formulation for supporting the bread programs in Northeast Syria (NES). To this end, iMMAP, in collaboration with the Food Security and Livelihood (FSL) Cluster, undertakes regular mapping and monitoring exercises for the processing facilities within the wheat-flour to bread value chain in NES.

This study specifically aims to build upon previous assessments, such as the Wheat to Bread Market Assessment PART 1<sup>1</sup> and PART 2<sup>2</sup>, which concentrated primarily on the input supply chain management and output market of wheat production in NES. Our primary focus is to shift attention to mills and silos, with a key objective of identifying potential gaps and opportunities that can further support the sustainable development of this crucial sector within the wheat-flour to bread value chain.

## Study Objective

The objective of the study is to gain a comprehensive understanding of the challenges and opportunities facing wheat producers in the NES region. The specific objectives of the study are:

- Evaluate the operational capacity and functionality of mills and silos in the surveyed area.
- Assess the production capacity of mills and silos, sources of wheat procurement, pricing structures, and the cost components in flour production.
- Identify challenges faced by actors who operate mills and silos in NES and explore opportunities for enhancing production capabilities.
- Map the wheat-flour to bread value chain actors, plans and achievements in NES.
- Provide a clear end-to-end view of the bread supply chain in NES.

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<sup>1</sup> Wheat to Bread Market Assessment – Part 1, Northeast Syria (NES), April 2023. The full report can be accessed [here](#).

<sup>2</sup> Wheat to Bread Market Assessment – Part 2, Northeast Syria (NES), August 2023. The full report can be accessed [here](#).

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## Geographical Coverage

Twenty-two sub-districts were assessed in Northeast Syria in October 2023 across four governorates (Aleppo, Al-Hasakeh, Ar-Raqqa, and Deir-ez-Zor). 9 sub-districts in Al-Hasakeh, 5 in Deir-ez-Zor, 4 sub-districts in Aleppo, and 4 in Ar-Raqqa. Overall, 178 wheat-to-bread processing facilities were mapped in NES. Out of those, 143 were mills, and 34 were silos. As illustrated in Figure 1, Deir-ez-Zor governorate came first with the highest number of mapped mills (63 mills), whereas Al-Hasakeh came in first with the number of mapped silos (14 silos).

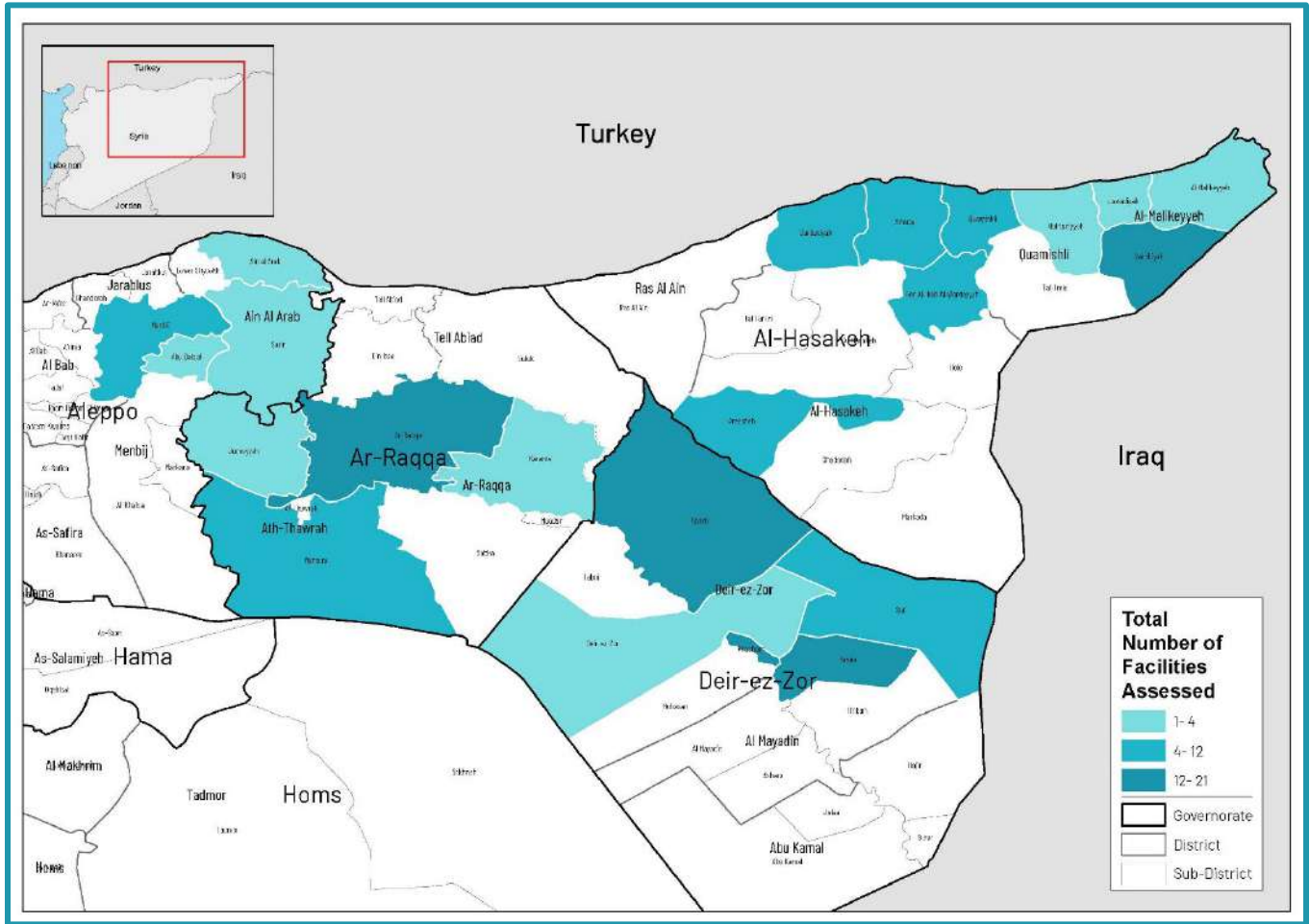


Figure 1: Wheat-to-bread processing facilities in NES in October 2023.

## I. Methodology

In conducting this study, a mixed-methods approach was employed, combining both quantitative and qualitative data collection techniques. The key informant interviews with market actors were carried out by enumerators, using two different questionnaires targeted to each processing facility (Mill and Silo), and two qualitative questionnaires targeted the management of mills and silos in NES. These questionnaires were developed by iMMAP in close coordination with the FSL Cluster in NES.

**Data collection tools development-** iMMAP has designed a set of data collection tools, including two facility mapping tools, to assess the silos and mills in the surveyed area. These tools were designed to identify and assess the highest number possible of:

- Public and private wheat-flour to bread processing facilities, providing a general profile overview of ownership.
- Functional wheat-flour to bread processing facilities and whether they are being supported by subsidized programs on behalf of Local-Self Administration (LSA).
- Damaged wheat-flour to bread processing facilities and related malfunctioning equipment/machines.

In addition to these facility mapping tools, iMMAP has designed two questionnaires tailored to the management of mills and silos in NES. These questionnaires were intended to provide valuable insights into various aspects, including:

- Capacity challenges of wheat-flour to bread processing facilities.
- Availability of services provided by the wheat-flour to bread processing facilities for the local farmers and producers.
- Affordability of services provided by the wheat-flour to bread processing facilities for the local farmers and producers.

**Sampling-** A predefined list of wheat-flour to bread facilities was used to kick off the data collection exercise, which was provided by the FSL Cluster partners of NES was adopted to cover as many facilities as possible across the defined study area.

## II. Mills Mapping

### Sample

One hundred forty-three mills were mapped across four governorates in NES. Deir-ez-Zor governorate came first with the highest number of assessed mills with 63 mills, followed by Al-Hasakeh governorate with 51 mills, then Ar-Raqqa governorate with 17 mills, and Aleppo governorate came last with 12 mills. A mill facility assessment questionnaire was developed and administered by iMMAP enumerators to assess the mill's functionality, production capacity, machine/equipment status, and general needs to improve milling productivity.

### Mill Facility Location and Operational Status

The majority of mills, accounting for (71%, n = 101) were operational, 29% (n = 42) were closed, the inactivity of the 42 mills can be attributed to the need for machine maintenance, the requirement for building rehabilitation, financial constraints, unspecified factors, shortages of wheat, and issues related to fuel and electricity shortages. Furthermore, 81% (n = 82) of mills utilize locally produced diesel as their primary fuel source for powering the mills, while 18% (n = 18) rely on both electric power and diesel, and only one mill relies only on electric power.

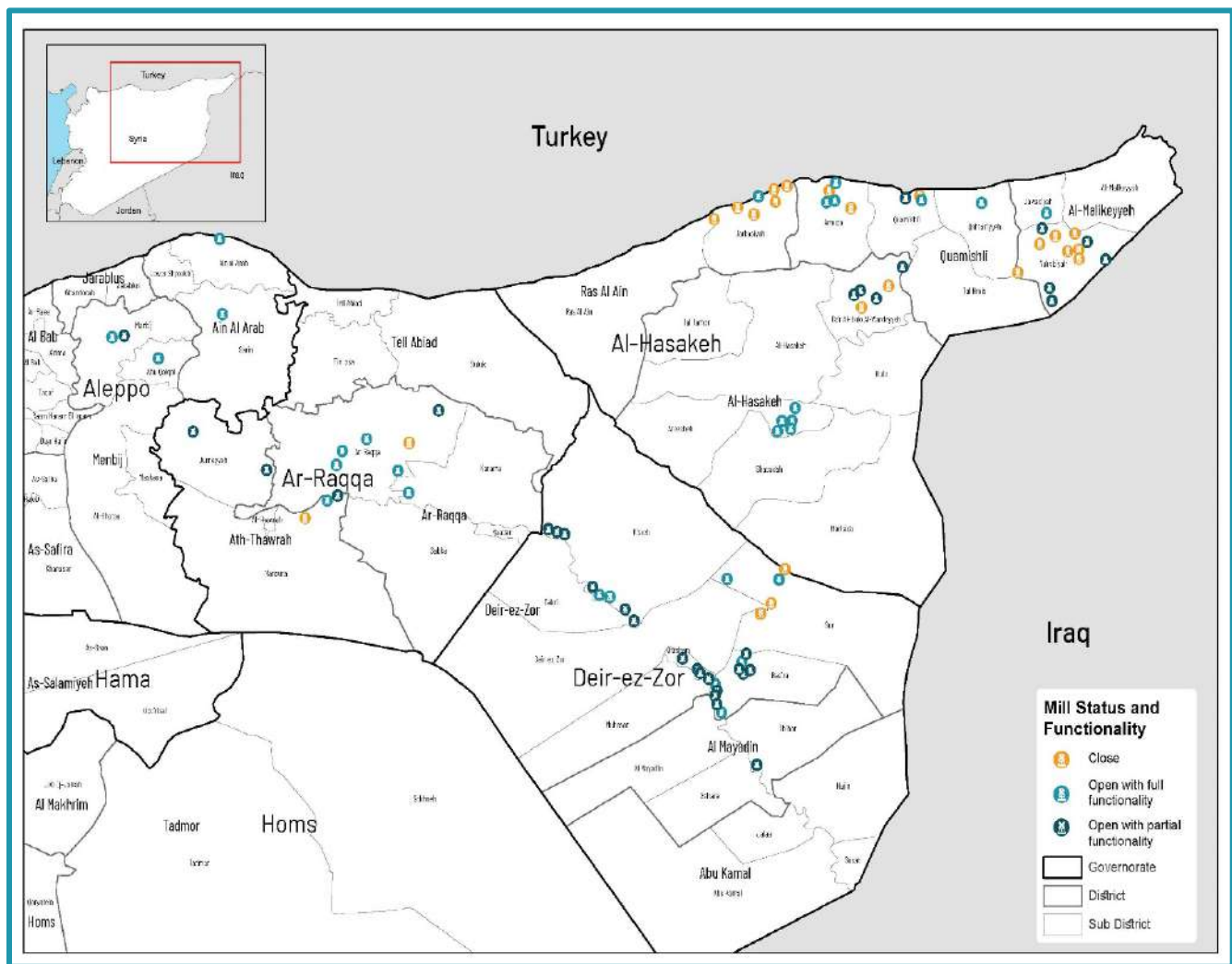


Figure 2: Mills status and functionality in NES – October 2023.

## Mill Ownership, Management and Security Situation

The majority (94%, n= 134) of the mapped mills were privately-owned, whereas the number of publicly owned mills was relatively low (6%, n=9). It is worth mentioning that the management structure of the assessed mills also varied and reported in different forms; the main reported management authority was an independent management system by the individual owner with 81% (82 mills). This was followed by staff members with 11% (11 mills), then Local Self Administration (LSA) managed mills had a record of 6% (6 mills), and private investors came next with 2% (2 mills). See figure 3.

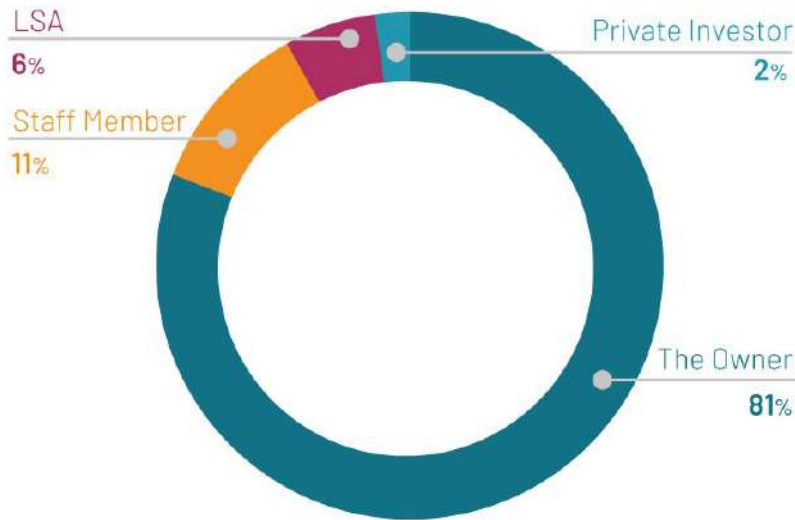


Figure 3: Mills management structure/mills ownership in NES

In terms of the security situation, the majority of mills, accounting for 91% (n = 92), reported a stable security environment. Conversely, a smaller proportion, specifically 9% (9 mills), indicated that they faced challenges such as bombings, theft accident and the targeting of their facilities. Notably, all mills confirmed that they remained accessible to both truck deliveries and customers.

## Source of Wheat Grain

The main sources of wheat grain for each mill facility were directly from farmers (65%), followed closely by supplies from the LSA at (23%). In contrast, wheat traders represented a smaller subset (12%) of the reported sources for these mills. Figure 4 provides an overview of the primary wheat grain sources of wheat grain at the governorate level. Notably, the average price of one ton of wheat from the LSA was reported at 420 USD, while purchases directly from farmers averaged 386 USD per ton. Additionally, procuring wheat from traders comes in at an average cost of 407 USD per ton.

# Wheat-to-Bread Processing Facilities Mapping

Northeast Syria, November 2023

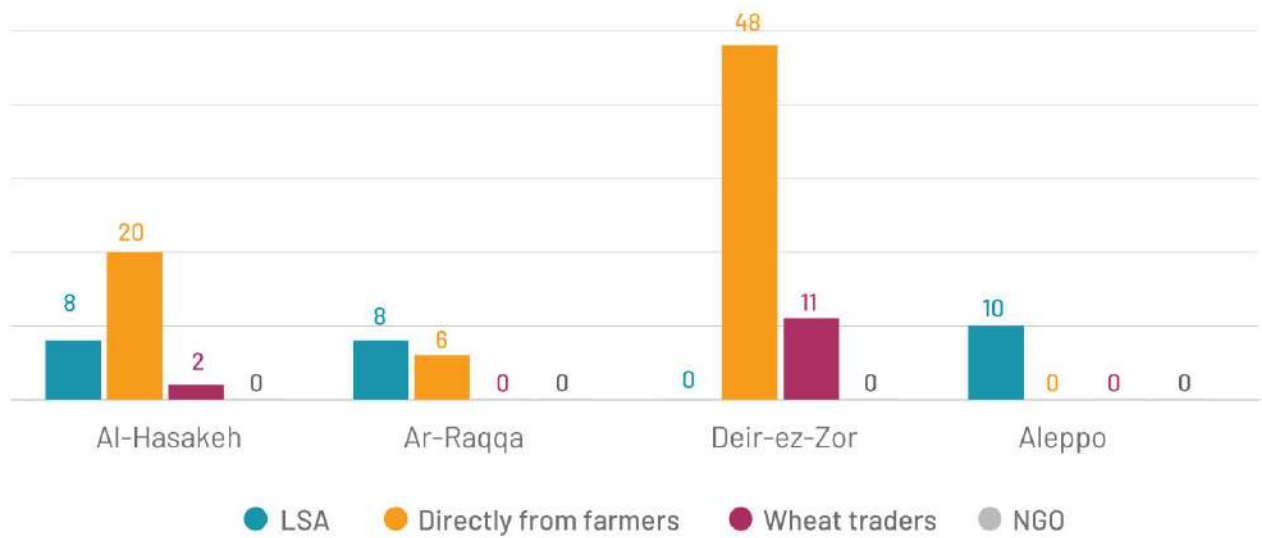


Figure 4: Main source of wheat grain for the mills in NES

## Operational Capacity of Mills

Figure 5 below shows the maximum capacity of the mill facilities in each governorate. Based on the findings, the governorate with the largest milling capacity was Aleppo governorate, where the reported full milling capacity was (12,409 MT, n = 10) per week as compared to the prevailing current actual milling production of 12,765 MT per week. This was followed by the milling capacities for Ar-Raqqa governorate: KIs in this governorate reported a full milling capacity of (6,163 MT, n = 14) per week, as compared to the prevailing actual milling production of 4,240 MT per week. Although Al-Hasakeh governorate came in third rank in terms of full milling capacity of (3,644 MT, n = 29) per week, as compared to the prevailing current actual milling production of 3,036 MT per week. Deir-ez-Zor governorate came last, as the reported full milling capacity was (2,995 MT, n = 48) per week compared to the overall current actual milling production of 2,560 MT per week.

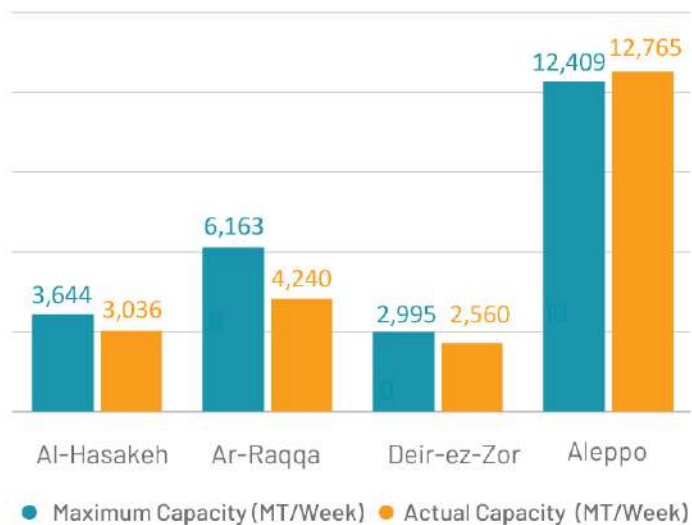


Figure 5: Mills' weekly operational capacity in NES, per governorate

The current capacity of mills in Northeast Syria varies significantly. We interviewed the mills' management offices across NES, and their responses revealed a range of perspectives. While some respondents noted that there are enough mills to cover the region's needs, particularly private mills, others pointed out the inadequacy of public mills due to inactivation, maintenance issues, and a lack of necessary equipment. This leads farmers and citizens



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to seek grinding services in private mills, incurring higher costs. Additionally, the limited availability of central mills and large mills is mentioned, and the dependence on private mills is evident. In some areas, there is a shortage of grain, requiring imports. In general, the mill capacity is affected by factors such as age, maintenance, and the availability of fuel and support. Overall, the capacity of mills does not consistently align with the region's milling needs, and there is a need for both increased capacity and improved efficiency.

## Flour Production

The mills' current flour production was reported at a range of 1 to 10,000 MT per week for each mill. However, the mills frequently experience interruptions in operation attributable to diverse challenges. For instance, 0-30 days in a monthly cycle were recorded as a range of stoppages of mill operations due to breakdowns of machines/equipment, power cuts, and/or unavailability of fuel. Despite the challenges, the operating mills were still able to supply flour to a relatively large number of bakeries, ranging between 1-105 bakeries per mill (Table 1). Among the mills in the Ar-Raqqa subdistrict, two in particular supply the highest number of bakeries, with 110 and 105 bakeries each receiving flour from these mills. Distribution of flour is mainly directed from the mills (71%), and (25%) have a contract with LSA, and only (4%) is distributed to other market outlets.

Governorate	Number of mills	Number of bakeries being supplied	Number of traders being served	Number of people being served
Aleppo	12			
Al-Hasakeh	51	22		7,860
Ar-Raqqa	17	230		1,053
Deir-ez-Zor	63	12	160	7,511

Figure 6: Table of number of bakeries and people being supplied by mills per governorate.

The average cost of milling one ton of wheat was reported to be 45 USD. The most expensive milling service for beneficiaries was reported for the mills in Al-Hasakeh governorate (cost of milling one ton of wheat was 500 USD). The cheaper milling service for beneficiaries was reported in Aleppo governorate (cost of milling one ton of wheat was 14 USD). Furthermore, only 14 (14%) mills out of the 101 opened mills had workers who reported having a laboratory for testing the wheat and producing flour. All the mills (n = 101) reported that they produce white flour, and 36% (n = 36) produce barley flour, and only 4% (n = 4) produce corn flour.

The responses of the mills management revealed diverse strategies for ensuring the availability of milling services to support local farmers and producers, especially during peak harvest seasons. These strategies include providing transportation for strategic crops like wheat, establishing coordination with silos, engaging private mills through subsidies and promotional pricing for wheat, and emphasizing the importance of maintenance, equipment modernization, and access to electricity or fuel for mill operation. Challenges such as high fuel costs, equipment breakdowns, and reliance on private mills leading to increased expenses for farmers were also highlighted. The need for stronger support from governing authorities and organizations to enhance the availability of milling services during peak seasons is emphasized. Additionally, many mills put in extra hours and resources to meet the heightened demand during harvest seasons.

According to the mills management in NES, the pricing structure for milling services is determined based on various factors, including labor wages, operational costs such as fuel, materials, and bags, as well as maintenance expenses. The cost of milling services varies according to these factors, with electricity costs playing a significant role. Currently, the cost of electricity is high due to frequent power outages, leading to increased operational

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expenses and maintenance challenges. The lack of subsidized fuel also contributes to high costs. This pricing structure has a direct impact on local farmers and producers, making it less affordable for them to grind their crops, which often leads to selling their harvest as seeds rather than having it milled. Providing support, maintenance, and affordable electricity is seen as crucial to making milling services more accessible and cost-effective for the community.

## Support Required to Improve Mill Production.

83% of the mills (n = 84), reported that they need maintenance or rehabilitation. Figure 7 highlights the most preferred form of support for mills to improve mill production at the governorate level. The most-reported support required was the rehabilitation of machines and equipment for the mills (n=62) followed by the minor rehabilitation of building (n=46). Structural rehabilitation of facilities physical structure was also cited as a requirement (n=22). When asked about the estimated cost of rehabilitating buildings the median reported cost (among 64 mills) was 6,339 USD per mill and it ranged between 500- 100,000 USD, whereas the median reported cost of rehabilitating machines/equipment (among 62 mills) was 12,464 USD per mill, and it ranged between 500-100,000 USD. Only 6% of mills (n = 6), are currently receiving support from LSA, and the support is subsidized fuel.

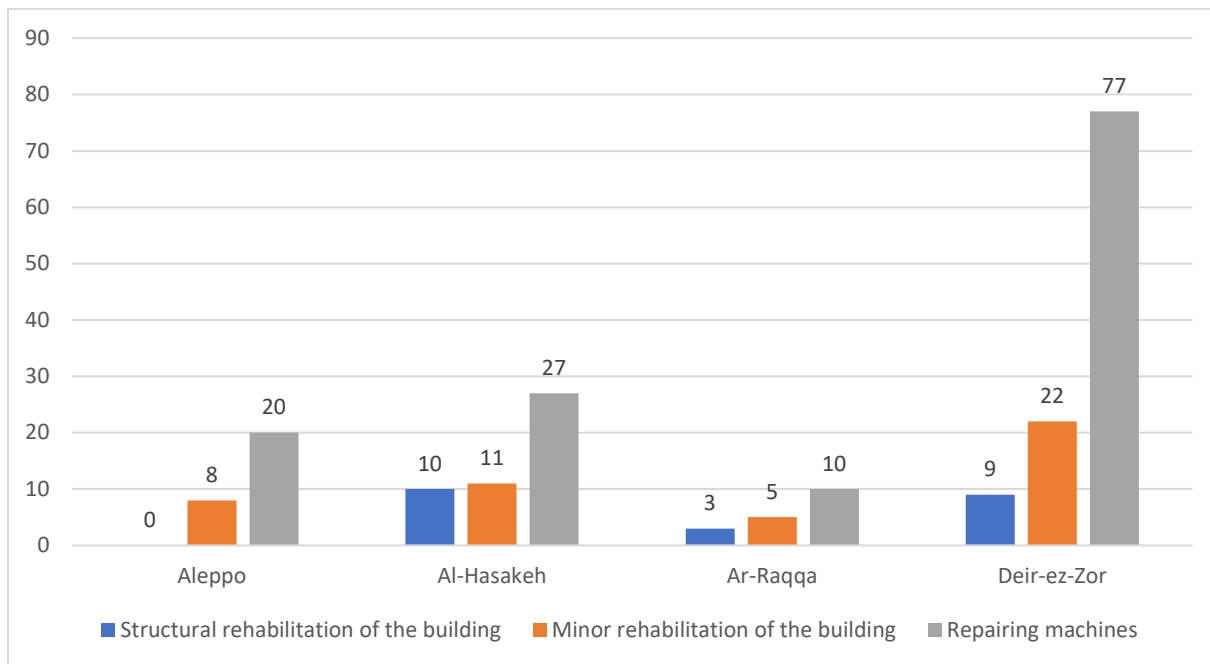


Figure 7: Required support to improve mill production.

## Lab Testing

Only (14%, n = 14) of the interviewed mills reported that there is a laboratory in their mill to conduct a lab test on the wheat and flour produced; most of these mills are in Al-Hasakeh and Ar-Raqqa governorates. 38% of the mills don't do any testing. Also, 46% rely on physical tests, and only 12% rely on the Local Self-Administration for their testing needs.

## Mills Challenges

Overall, 99% of the interviewed mills reported that they are currently facing challenges. The most repeated challenge was the high prices of fuel and power cut with 20% and 17% respectively. Figure 8 illustrates the main challenges faced by mill per governorate. The mills' management offices across NES have been interviewed, and

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their responses highlighted a range of challenges encountered in expanding or maintaining mill capacity in the region. These challenges include the scarcity of mills and the need for staff qualification to ensure continuity of operations, the life time and quality of machinery and equipment in the majority of the assessed Mills, difficulties in monitoring the work of private mills and a lack of quality control mechanisms, the need for equipment and trained personnel in laboratory analysis, inadequate storage facilities, lack of transportation mechanisms for private mills, high maintenance costs, and frequent equipment breakdowns. Additionally, the lack of electricity and high fuel costs for operating generators pose challenges, and the absence of central mills is a recurring issue. These challenges contribute to high prices for milling, reliance on imported flour, and increased economic burdens for mills.

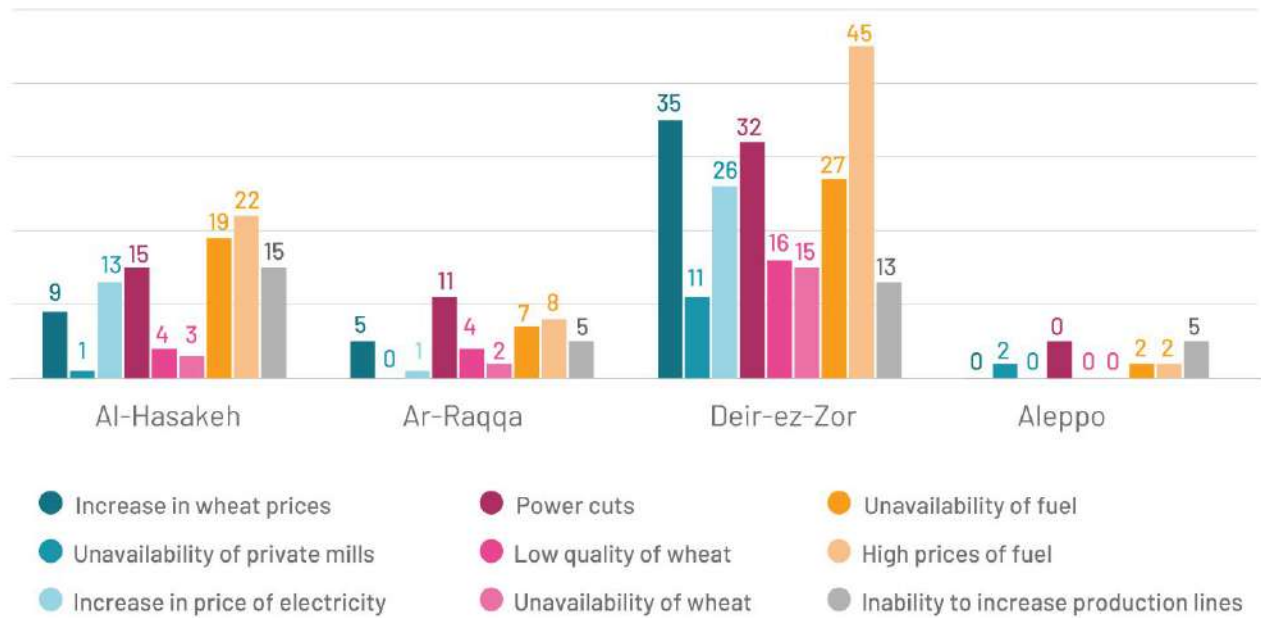


Figure 8: Main challenges faced by mills per governorates.

A myriad of operational and maintenance challenges affects the availability of mills for the community in Northeast Syria. These challenges include the scarcity of mills, the unavailability of spare parts, high maintenance costs, power outages, poor-quality diesel, engine malfunctions, and a lack of maintenance experience. Additionally, the shortage of replacement parts, security challenges in border areas, high prices for materials and spare parts, and a lack of maintenance workshops contribute to these issues. The availability of electricity, maintenance technicians, and experienced workers also pose challenges. Many mills face difficulties due to old machinery and a lack of maintenance, further exacerbated by the unavailability of diesel generators for operation. Support from authorities and organizations is often lacking, particularly concerning electricity, maintenance, and oversight. In general, these challenges impact the efficient functioning and availability of mills for the local community, necessitating solutions to improve operations and maintenance practices.

## III. Silos Mapping

### Sample

Thirty-four wheat storage silos were mapped across the four governorates in NES. Al-Hasakeh governorate came first with the highest number of assessed silos with 14 silos, followed by Ar-Raqqa governorate with 10 silos, then Aleppo governorate with 4 silos, and Deir-ez-Zor governorate came last with 6 silos. A questionnaire was administered to personnel managing silos to determine the exact silo locations and assess its operational status, functionality, and general needs to improve wheat storage capacity in NES.

### Silos Facility Location and Operational Status

Eighteen out of the assessed 34 silos were operational, while the remaining 16 silos were closed, with these facilities being subjected to targeted heavy bombing and shelling. The majority of the assessed silos, precisely 83% (n=15), had iron structure, while the remaining (17% n= 3) silos had concrete structure. Notably, the Al Hasakeh governorate has both the highest number of mapped silos and the highest number of open silos. Among the 18 opened silos, 16 were fully operational, while 2 operated with limited capacity. It's important to mention that all 7 of the open silos in Al Hasakeh were fully functional. The main reported reasons for limited functionality were due to non-functional machinery, the need for facilities physical structures rehabilitation, and the effects of bombing and shelling.

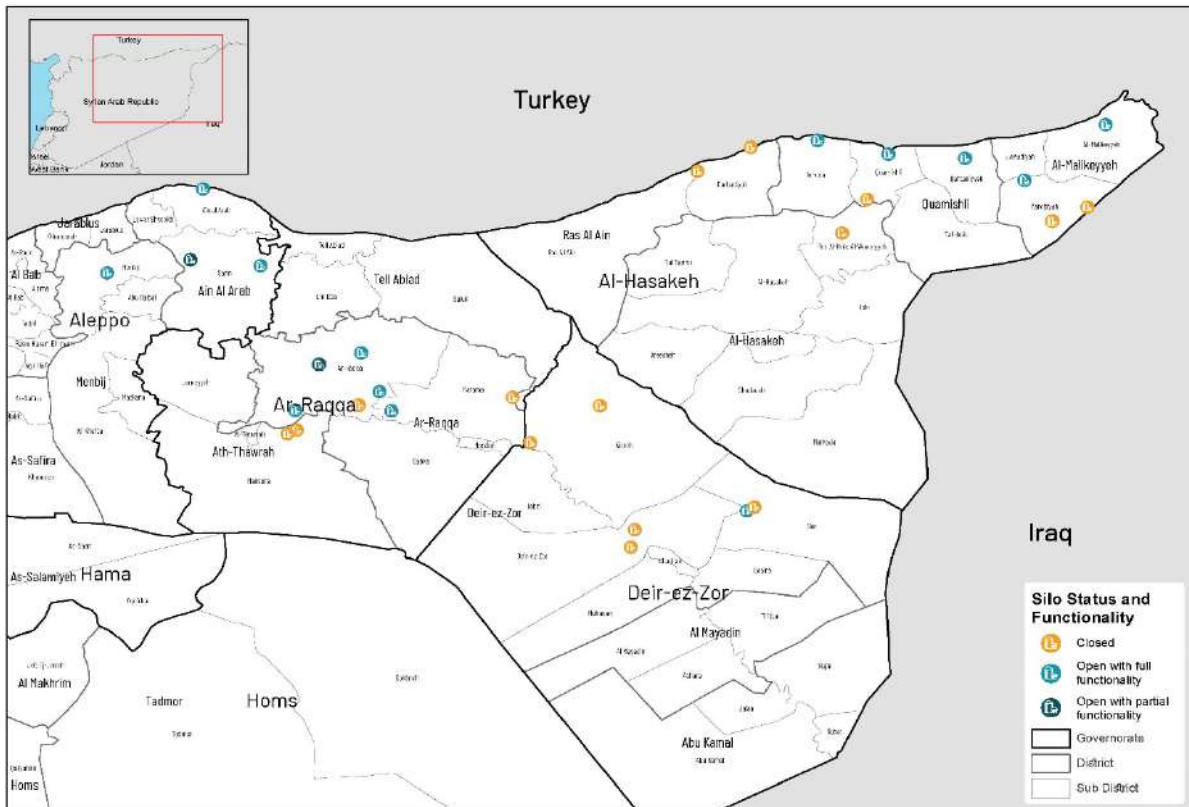


Figure 9: Silos' status and functionality in NES

The key informants from the silos management emphasized several strategies to ensure silo storage availability for local farmers and producers during peak harvest seasons. Creating new silos is a key need, involving the

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sequential opening of two silos in each area and adding employees as needed. Addressing the challenge of timely storage services, the key informants advocated for increasing the number of silos, considering geographical distribution, and enhancing storage capacity.

## Source of Wheat for Silos

The main supplier of wheat to the assessed silos were local farmers (72%), followed by the Self-Administration Agricultural Development Company (33%). Wheat traders were also reportedly supplying wheat to silos for storage (28%) for flour production. The most reported source of stored wheat (n = 4) by the agricultural development company was from Ar-Raqqa governorate, followed by (n = 7) Al-Hasakeh governorate.

## Support Required to Improve Wheat Storage Facilities

Almost all the opened silos (n = 16) reported the need for new machines and/or machine maintenance. The estimated cost per silo for these necessary upgrades averages around 38,562 USD. Additionally, 7 out of the 18 silos in operation have expressed the need for structural rehabilitation, with an estimated cost of approximately 22,000 USD per silo.

Notably, a limited 17% (n=3) of these silos have personnel with the requisite skills to address these maintenance and rehabilitation needs in-house. In contrast, 28% (n=5) of the silos have established contracts with external technicians to fulfill these requirements, while the remaining 56% (n=10) employ a combination of both in-house staff and external technicians to ensure the optimal functioning of their facilities.

## Operational Capacity of Silos

Figure 10 below shows the maximum capacity of the silo facilities in each governorate. The reported maximum capacity of all assessed silos in NES was 399,610 MT. However, the maximum storage capacity of silos in Al Hasakeh governorate represents 68% (270,110 MT, n = 14) of the total maximum capacity of silos in NES. Ar-Raqqa governorate came next with 18% (70,500 MT). Although Aleppo governorate came in third rank in terms of full storing capacity of (47,000 MT, n = 4). Deir-ez-Zor governorate came last, as the reported full storing capacity was (12,000 MT, n = 6).

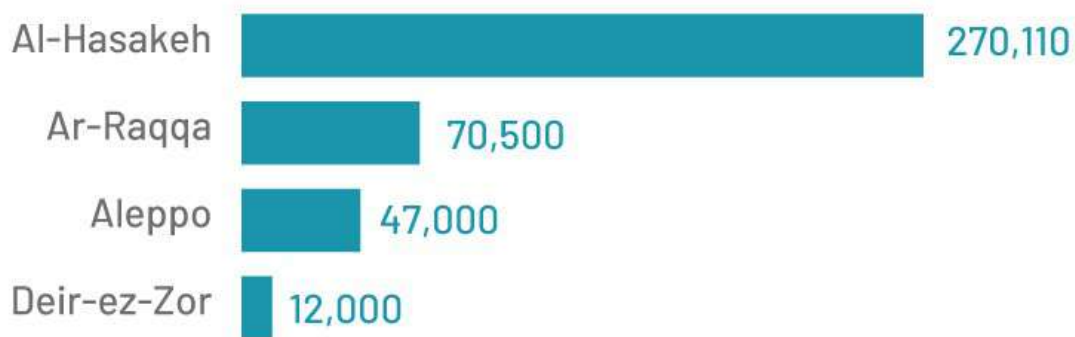


Figure 10: Silos' aggregate capacity (MT) in NES, per governorate

In the interviews with key informants from silo managements across NES locations, Al-Hasakeh silos management highlighted significant challenges in storage capacity, primarily attributed to insecurity and the lack of spare machinery. The recent impact of Turkish bombings on energy production and storage further exacerbated the situation, affecting electricity and consequently hindering silo operations. In the Al-Jazeera region, particularly

Tel Hamis and Darbasiyah, the targeting of armed groups has left the subdistricts with insufficient, inadequate storage areas exposed to unfavorable weather conditions. The silos in the Euphrates region face storage issues, necessitating rehabilitation support, especially for the concrete silos. Key silos in the Al-Jazeera region, including Al-Darbasiyah, Tel Hamis, Amer, Jazaa, Habiba, and Naour, also require urgent rehabilitation efforts to enhance their functionality. The overall storage capacity in northeastern Syria ranges from 900,000 to one million MT, encompassing concrete silos like Kabka, Tal Hajar, Tal Alou, Qamishlo, and Al-Tabqa, each with a maximum capacity of 115,000 MT. Additional silos with 12 cells, each holding around 1,000 MT, are distributed in Al-Hasakah (including Hatin and Amuda) and Raqqa.

In Aleppo, the storage capacity is limited to 9,000 MT, primarily comprising primitive silos that have been damaged due to the impact of war. Currently, efforts are underway to restore three of these silos. Unfortunately, the majority of silos in northeastern Syria are non-operational, a consequence of both Turkish airstrikes and attacks by ISIS. This widespread dysfunctionality has resulted in storage inadequacies, particularly in the Euphrates region, where 70 percent of this year's wheat production had to be stored in the open due to the limitations of the existing silos.

In Ar-Raqqa, there's an innovative storage capacity of 73,000 MT, supporting wheat production of 225,000 MT. However, open stack usage has temporarily halted in various centers. Each of the six silos boasts a daily capacity of around 1,500 MT, thanks to efficient local production reception and extended working hours. The strategy of sequentially opening two silos at a time has proven effective, with the storage capacity meeting needs up to 80%.

## Lab Testing

Half of interviewed silos workers (50%, n = 9) reported that there is a laboratory in their silo that determines the percentage of moisture and extent of the presence of diseases and insects in the wheat samples.

Based on responses from interviewed silos workers, most of the silo's workers lean towards the traditional method of physical test examination and the method of taking a sample and analyzing it through the sieves of impurities. Another group uses testing machines. And only a few rely on external entities, with only a few conducting assessments through the health department of the agricultural development company and the LSA mills department. The main challenge they are facing is basic methods of testing and the lengthy testing process. They also mention problems like the unavailability of testing equipment/machines, lack of laboratories in the area, and shortage of experts in testing.

## Silos Challenges

83% (n = 15) of the interviewed silos reported that they are currently facing challenges. The most repeated challenge was the power cut and the difficulty in transportation with 31% and 22% respectively. Figure 11 illustrated the main challenges faced by silos per governorate.

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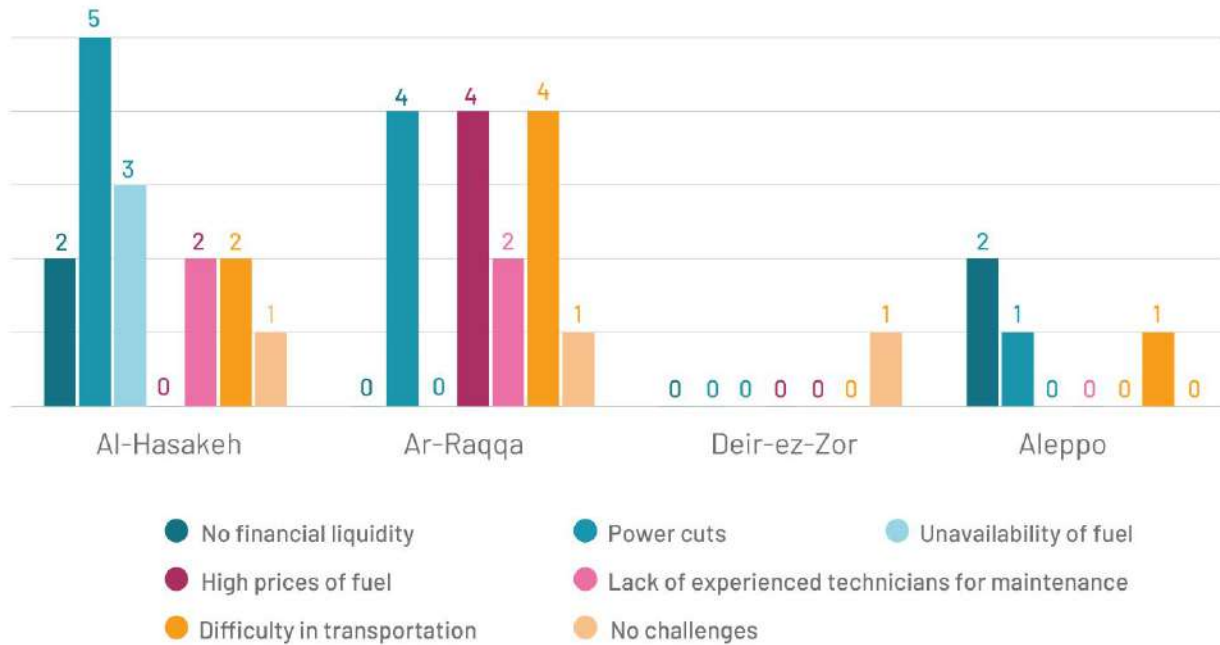


Figure 11: Main challenges faced by silos, per governorates.

According to the key informants from the silos management, challenges include the need for open storage due to space limitations, frequent power outages affecting diesel engines, shortages of replacement parts, and poor-quality fuel. Manual labor is prevalent due to a lack of machinery, and outdated laboratory equipment further complicates operations. Additionally, agricultural production decline, a shortage of primary silo supplies, and energy deficits contribute to difficulties in maintaining stock. Funding constraints and primitive conditions impede infrastructure restoration, while damaged concrete silos require expensive and hard-to-find replacement parts. Overall, these challenges collectively obstruct efforts to enhance and sustain silo capacity in the region.

Furthermore, operational and maintenance challenges significantly impact the availability of silos in the region. There is a pressing need for almost fully maintenance and rehabilitation: some silos are nearly 40 years old and lack essential equipment. Storage cell shortages in specific silos, such as Kabsh and Shanina, further compound the difficulties. Manual operation of the upper and lower gates, requiring four workers for each door, reflects a lack of modernization and experience in silo maintenance. Security challenges in border areas pose additional hurdles, coupled with the unavailability of replacement parts locally. The aging generators, coupled with the absence of electricity, demand urgent maintenance and updating. Limited silo numbers and primitive operational methods contribute to the overall challenges. Despite having competent personnel and operational experts, the obstacles lie in securing replacement parts for maintenance, rehabilitation, and restoration efforts, highlighting the critical need for external support and resources to overcome these operational hurdles.

## Recommendations

- **Infrastructure Overhaul and Construction Program**

Initiating a focused program for the maintenance, rehabilitation, and construction of mills and silos is paramount. This involves addressing the structural deficiencies in existing facilities, prioritizing the replacement of outdated and damaged facilities. Adequate funding should be secured to ensure the longevity and efficiency of these facilities.

- **Strategic Energy Solutions Implementation**

Given the recurring issues of power outages, reliance on diesel engines, and fuel shortages, it is recommended to implement strategic energy solutions. Exploring alternative energy sources, such as solar or hybrid systems, can mitigate the impact of power shortages and contribute to a more sustainable and resilient energy infrastructure for silo operations.

- **International Collaboration for Technical Support and Parts Procurement**

To address challenges related to the shortage and unavailability of replacement parts, lack of technical expertise, and difficulties in obtaining spare parts, strategic collaborations with international organizations and technical experts are essential. This partnership can facilitate the timely procurement of quality replacement parts, provide necessary training for local staff, and ensure ongoing technical support to enhance the overall efficiency of silo operations.

- **Capacity Building and Training Programs**

Addressing the shortage of operational staff and the lack of experience in silo maintenance requires targeted capacity-building initiatives. Implementing training programs to enhance the skills of operational staff and providing them with the necessary expertise for silo maintenance is essential for overcoming operational challenges.



## Fact Sheets

To visually represent the key findings from the bread facilities mapping exercise, iMMAP created four factsheets at the governorate level and an additional twenty-four at the sub-district level. These factsheets are structured into three sections: Bakeries, Mills, and Silos. Given the assessment's focus on mills and silos, data for bakeries is sourced from iMMAP Wheat to Bread Market Assessment PART 2<sup>3</sup>.

- **Within the Bakery section**, data was accumulated to present the Bakery status in terms of functionality and ownership, Type of produced Bread, production capacity vs. population needs, Currency used, Lab testing, Bakery Management Style, Availability of bread and production inputs, Humanitarian aid in terms of access to support, type and source of support, and finally the source and price of flour.
- **In the Mill Section**, data present the Mills' status in terms of functionality and ownership, milling maximum vs. current capacity, and reasons for limited capacity, in addition to the Market actors who were supplied flour by mills.
- **In the Silo section**, similar to the bakery and mills sections; data outlines the silo's status in terms of functionality and ownership, reasons for closure and limited functionality, Maximum storage capacity, in addition to the type and cost of the needed support.

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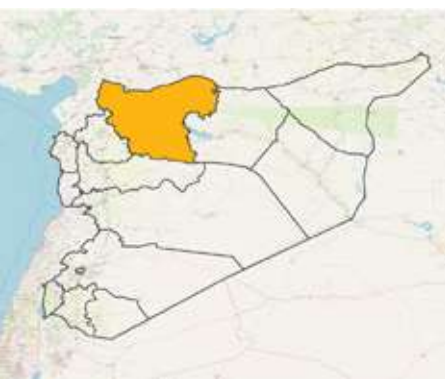
<sup>3</sup> Wheat to Bread Market Assessment – Part 2, Northeast Syria (NES), August 2023. The full report can be accessed [here](#).

# Mapping of Wheat-to-Bread Processing Facilities

Aleppo November 2023



WHOLE OF SYRIA (WoS)  
FOOD SECURITY SECTOR  
Strengthening Humanitarian Response



**TOTAL POPULATION** 499,592  
**PIN** 313,235

### Bakery Management

Bakery Owner	15 (68%)
Private Investor	1 (5%)
Employee	5 (22%)
LSA	1 (5%)
Joint LSA	0 (0%)
Committee	0 (0%)
Other	0 (0%)

## BAKERIES 25

**Bakery Status**

- Non-Operational 3 (12%)
- Operational 22 (88%)

**Reasons for Non-Operation**

- Machines need maintenance
- No financial liquidity
- Needs building rehabilitation

**Functionality**

- Full 3 (14%)
- Partial 19 (86%)

**Ownership**

- Public 3 (12%)
- Private 9 (36%)
- Mix 13 (52%)

## CURRENCY USED

USD 0%  
SYP 100%

## Bread Production

**Daily Production (MT)**

Subsidized Bread	101	Price (SYP) /KG	250 - 455
Unsubsidized Bread	0		N/A - N/A
Tourist Bread	0		N/A - N/A
Free Bread (NGO)	5		
Others	0		

**Average Subsidized Bread Package Weight** 1081g  
**Average Unsubsidized Bread Package Weight** N/Ag

## QUALITY CONTROL (LAB TESTING) N/A

**Daily Production** 106 MT  
**Full Daily Capacity** 266 MT

**Current Productivity** 40%

**Daily Bread Needs of Total Population** 170 MT  
**Daily Bread Needs of PIN Population** 109 MT

**Subsidized Bread Availability to PIN** 93%

## Availability

Always Available (Green), Fairly Available (Dark Green), Not Available (Red)

Item	Always Available	Fairly Available	Not Available
Bread	100%	0%	0%
Local Flour	100%	0%	0%
Imported Flour	50%	36%	14%
Yeast	100%	0%	0%
Fuel	100%	0%	0%

## Support Status

**Never Received Support** 0 (0%)  
**Used to Receive Support** 0 (0%)  
**Currently Receive Support** 22 (100%)

Type of Support	Percentage	Source of Support	NGO	LSA	Other
Rehabilitation	2%		0	1	0
Operational Support	6%		1	2	0
Flour	46%		0	21	0
Yeast	46%		0	21	0

## Source and Price of Flour

**Imported Flour** 400-520 \$/MT  
**Local Flour** 10-400 \$/MT

**Imported Flour** 0%  
**Local Flour** 100%

Source	Percentage	Local Flour	Percentage
Trader	0%	0%	0%
Mill	0%	36%	36%
LSA	100%	64%	64%
NGO	0%	0%	0%

## MILLS 12

## Mills Status

**Non-Operational** 2 (17%)  
**Operational** 10 (83%)

**Reasons for Non-Operation**

- Shortage of wheat
- NA
- NA

**Functionality**

- Full 9 (90%)
- Partial 1 (10%)

**Reasons for Limited Functionality**

- Shortage of mill operators
- NA
- NA

**Ownership**

- Public 3 (25%)
- Private 9 (75%)
- Mix 0 (0%)

## MILLS SOURCE OF WHEAT LSA

## Milling Capacity

**Maximum Capacity** 12,409 MT  
**Current Capacity** 12,765 MT

**Production Functionality** 103%

## Market Actors Supplied by Mills

**Bakeries Supplied** 0  
**Traders Supplied** 0

## SILOS 4

## SiLOS Status

**Non-Operational** 0 (0%)  
**Operational** 4 (100%)

**Functionality**

- Full 3 (75%)
- Partial 1 (25%)

**Ownership**

- Public 4 (100%)
- Private 0 (0%)

**Reasons for Non-Operation** NA, NA, NA

## SILOS SOURCE OF WHEAT Farmers

## Needed Support for Silos

- Building Rehabilitation 1
- Machine Rehabilitation 4
- Estimated Cost of Machines and Rehabilitation \$126,000

## Silos Capacity

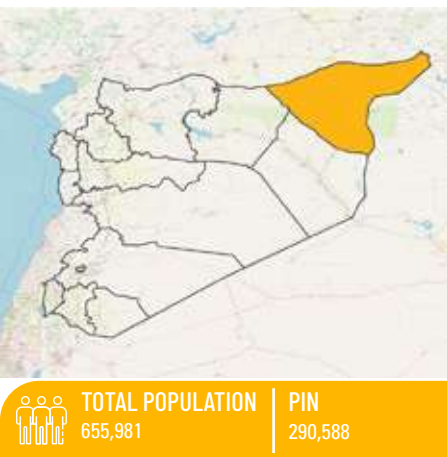
**Silos Maximum Storage Capacity** 47,000 MT

# Mapping of Wheat-to-Bread Processing Facilities

Al-Hasakeh November 2023



WHOLE OF SYRIA (WoS)  
FOOD SECURITY SECTOR  
Strengthening Humanitarian Response



## BAKERIES 196

### Bakery Status



### Reasons for Non-Operation

- Lack of access to support
- Machines need maintenance
- No financial liquidity

### Functionality



### Ownership



## CURRENCY USED

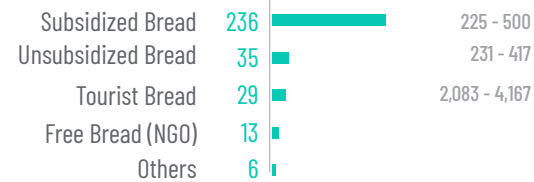


## QUALITY CONTROL (LAB TESTING)

N/A

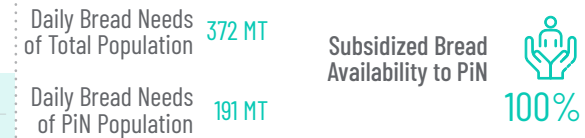
### Bread Production

#### Daily Production (MT)

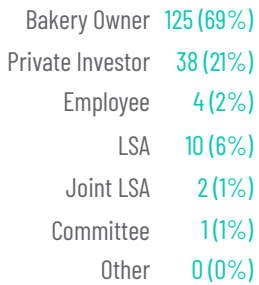


Average Subsidized Bread Package Weight 1223g

Average Unsubsidized Bread Package Weight 1147g



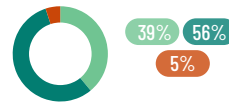
### Bakery Management



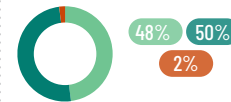
### Availability

● Always Available ● Fairly Available ● Not Available

#### Bread



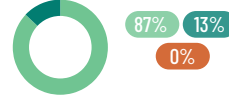
#### Local Flour



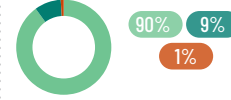
#### Imported Flour



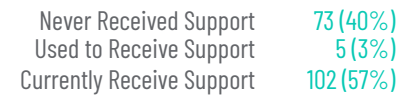
#### Yeast



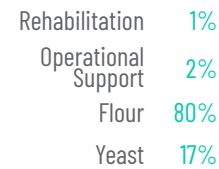
#### Fuel



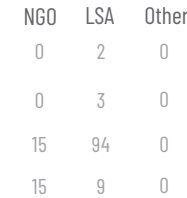
### Support Status



#### Type of Support



#### Source of Support



### Source and Price of Flour



## MILLS 51

### Mills Status



### Reasons for Non-Operation

- Wheat Shortage
- High Operational Cost
- High Operational Cost

### Functionality



### Ownership



### Reasons for Limited Functionality

- Low Demand in Area
- Fuel/Electricity Shortage
- High Operational Cost



## MILLS SOURCE OF WHEAT

LSA, Farmers Traders

### Milling Capacity



### Market Actors Supplied by Mills



## SILOS 12

### Silos Status



### Functionality



### Ownership



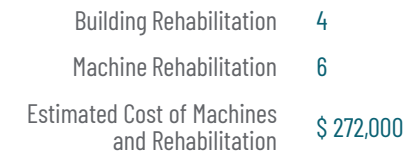
Reasons for Non-Operation: Wheat Shortage, Need for Machine Rehabilitation, Need for Building Rehabilitation



## SILOS SOURCE OF WHEAT

LSA, Farmers Traders Agricultural Development Company

### Needed Support for Silos



### Silos Capacity

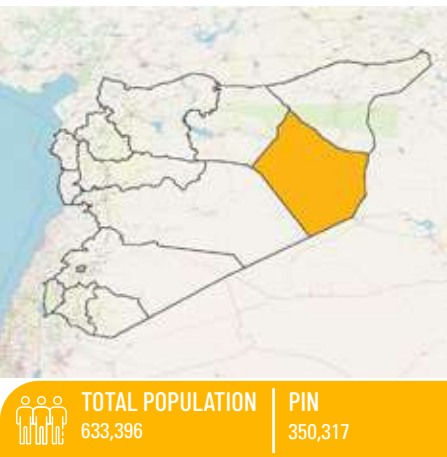


# Mapping of Wheat-to-Bread Processing Facilities

Deir-ez-Zor November 2023



WHOLE OF SYRIA (WoS)  
FOOD SECURITY SECTOR  
Strengthening Humanitarian Response



## BAKERIES 177

### Bakery Status



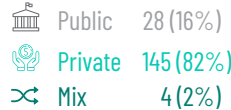
### Reasons for Non-Operation

- High operational cost
- Lack of access to support
- Machines need maintenance

### Functionality



### Ownership



## CURRENCY USED

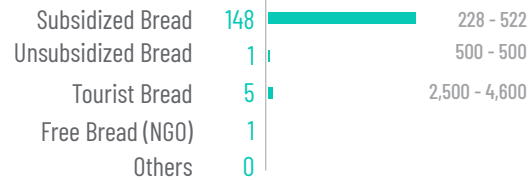


## QUALITY CONTROL (LAB TESTING)

N/A

### Bread Production

#### Daily Production (MT)



Average Subsidized Bread Package Weight 1236g

Average Unsubsidized Bread Package Weight 1000g

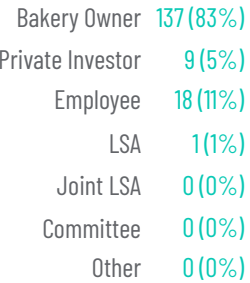


Daily Bread Needs of Total Population 225 MT

Daily Bread Needs of PIN Population 125 MT

Subsidized Bread Availability to PIN **100%**

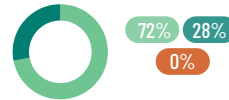
### Bakery Management



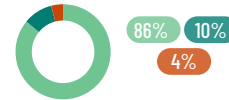
### Availability

● Always Available ● Fairly Available ● Not Available

#### Bread



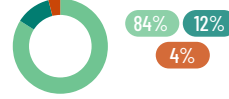
#### Local Flour



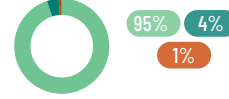
#### Imported Flour



#### Yeast



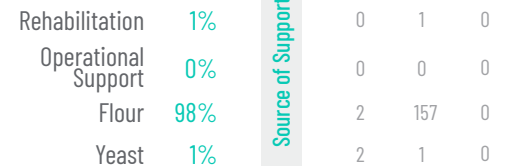
#### Fuel



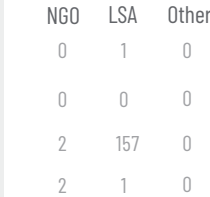
### Support Status



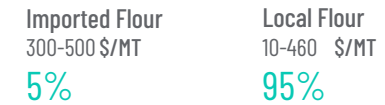
#### Type of Support



#### Source of Support



### Source and Price of Flour



## MILLS 63

### Mills Status



### Reasons for Non-Operation

- No Financial Liquidity
- Need for Machine Rehabilitation
- High Operational Cost

### Functionality



### Ownership



### Reasons for Limited Functionality

- Fuel/Electricity Shortage
- Need for Machine Rehabilitation
- High Operational Cost

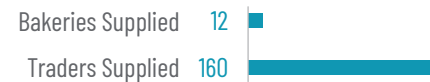


## MILLS SOURCE OF WHEAT Farmers, Traders

### Milling Capacity



### Market Actors Supplied by Mills



## SILOS 6

### Silos Status



### Functionality



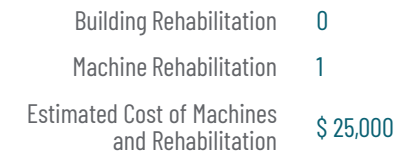
### Reasons for Non-Operation

- Bombing and Shelling, Need for Building Rehabilitation, Need for Building Rehabilitation



## SILOS SOURCE OF WHEAT Farmers, Traders

### Needed Support for Silos



### Silos Capacity

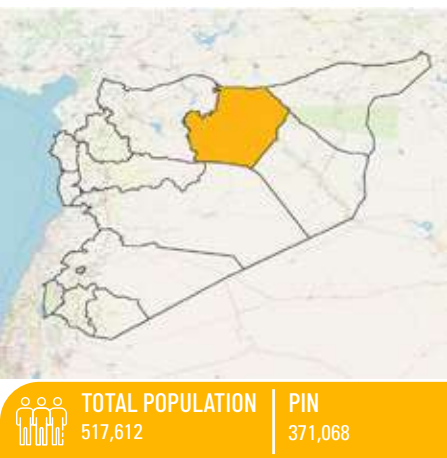


# Mapping of Wheat-to-Bread Processing Facilities

Ar-Raqqa November 2023



WHOLE OF SYRIA (WoS)  
FOOD SECURITY SECTOR  
Strengthening Humanitarian Response



## BAKERIES 123

### Bakery Status



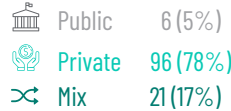
### Reasons for Non-Operation

- Machines need maintenance
- No financial liquidity
- High operational cost

### Functionality



### Ownership



## CURRENCY USED

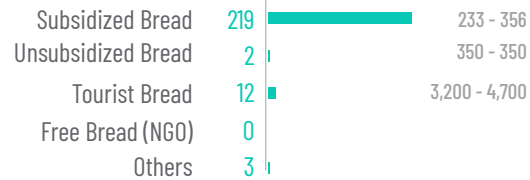


## QUALITY CONTROL (LAB TESTING)

N/A

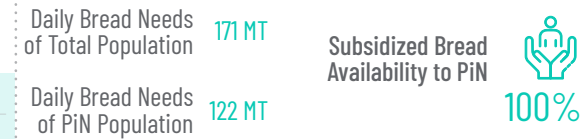
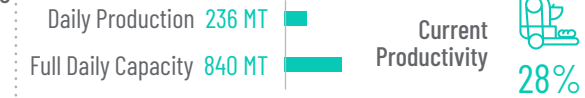
### Bread Production

#### Daily Production (MT)

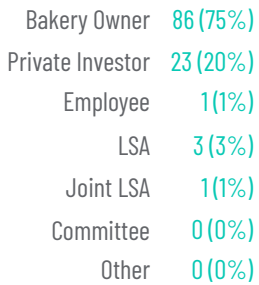


Average Subsidized Bread Package Weight 1125g

Average Unsubsidized Bread Package Weight 1000g

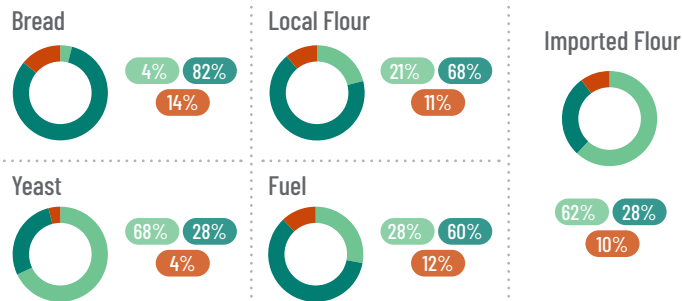


### Bakery Management

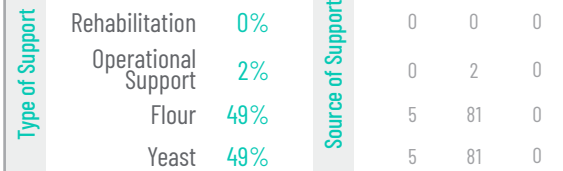


### Availability

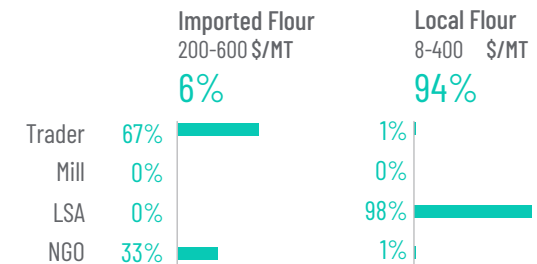
● Always Available ● Fairly Available ● Not Available



### Support Status



### Source and Price of Flour



## MILLS 17

### Mills Status



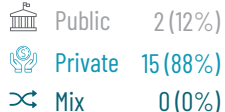
### Reasons for Non-Operation

- Fuel/Electricity Shortage
- High Operational Cost
- No Financial Liquidity

### Functionality



### Ownership



### Reasons for Limited Functionality

- Fuel/Electricity Shortage
- Low Demand in Area
- High Operational Cost

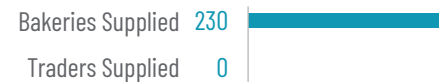


## MILLS SOURCE OF WHEAT LSA, Farmers

### Milling Capacity



### Market Actors Supplied by Mills

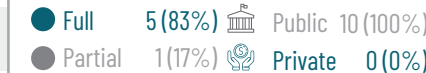


## SILOS 10

### Silos Status



### Functionality



### Ownership

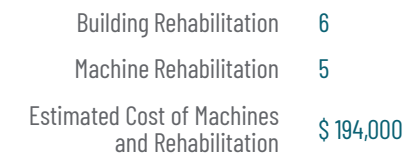


Reasons for Non-Operation: Bombing and Shelling, Need for Building Rehabilitation, Need for Machine Rehabilitation



## SILOS SOURCE OF WHEAT LSA, Farmers Traders Agricultural Development Company

### Needed Support for Silos



### Silos Capacity



# Mapping of Wheat-to-Bread Processing Facilities

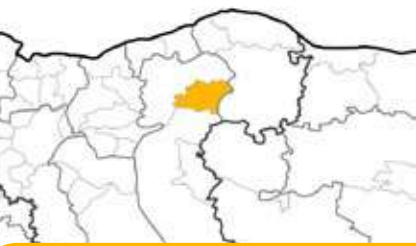
Aleppo November 2023



WHOLE OF SYRIA (WoS)  
FOOD SECURITY SECTOR  
Strengthening Humanitarian Response



DISTRICT: Menbij  
SUB-DISTRICT: Abu Qalqal



TOTAL POPULATION 58035  
PIN 38005

## BAKERIES 5

CURRENCY USED: USD 0%, SYP 100%  
QUALITY CONTROL (LAB TESTING): N/A

### Bakery Status

**80%** Operational (4) / 20% Non-Operational (1)

**Reasons for Non-Operation:**  
Machines need maintenance  
No financial liquidity  
Needs building rehabilitation

**Functionality:**  
Full: 0 (0%)  
Partial: 4 (100%)

**Ownership:**  
Public: 0 (0%)  
Private: 1 (20%)  
Mix: 4 (80%)

### Bread Production

**Daily Production (MT):**  
Subsidized Bread: 14  
Unsubsidized Bread: 0  
Tourist Bread: 0  
Free Bread (NGO): 0  
Others: 0

**Price (SYP) /KG:**  
Subsidized Bread: 250 - 250  
Unsubsidized Bread: N/A - N/A  
Tourist Bread: N/A - N/A

**Average Subsidized Bread Package Weight:** 1100g  
**Average Unsubsidized Bread Package Weight:** N/Ag

**Daily Production:** 14 MT  
**Full Daily Capacity:** 31 MT  
**Current Productivity:** 45%

**Daily Bread Needs of Total Population:** 19 MT  
**Daily Bread Needs of PIN Population:** 13 MT  
**Subsidized Bread Availability to PIN:** 100%

### Bakery Management

Bakery Owner: 2 (50%)  
Private Investor: 1 (25%)  
Employee: 1 (25%)  
LSA: 0 (0%)  
Joint LSA: 0 (0%)  
Committee: 0 (0%)  
Other: 0 (0%)

### Availability

Legend: Always Available (Green), Fairly Available (Dark Green), Not Available (Red)

**Bread:** 100% Always Available, 0% Fairly Available, 0% Not Available

**Local Flour:** 100% Always Available, 0% Fairly Available, 0% Not Available

**Imported Flour:** 100% Always Available, 0% Fairly Available, 0% Not Available

**Yeast:** 100% Always Available, 0% Fairly Available, 0% Not Available

**Fuel:** 100% Always Available, 0% Fairly Available, 0% Not Available

### Support Status

Never Received Support: 0 (0%)  
Used to Receive Support: 0 (0%)  
Currently Receive Support: 4 (100%)

Type of Support	Value	Source of Support	NGO	LSA	Other
Rehabilitation	0%		0	0	0
Operational Support	0%		0	0	0
Flour	50%		0	4	0
Yeast	50%		0	4	0

### Source and Price of Flour

Imported Flour: 420-450 \$/MT  
Local Flour: 200-220 \$/MT

Imported Flour: 0%  
Local Flour: 100%

Source	Value	Local Flour
Trader	0%	0%
Mill	0%	0%
LSA	0%	100%
NGO	0%	0%

## MILLS 1

MILLS SOURCE OF WHEAT: LSA  
SILOS NA  
SILOS SOURCE OF WHEAT: NA

### Mills Status

**100%** Operational (1) / 0% Non-Operational (0)

**Reasons for Non-Operation:**  
NA  
NA  
NA

**Functionality:**  
Full: 1 (100%)  
Partial: 0 (0%)

**Ownership:**  
Public: 0 (0%)  
Private: 1 (100%)  
Mix: 0 (0%)

### Milling Capacity

Maximum Capacity: 10000 MT  
Current Capacity: 10000 MT

**Production Functionality:** 100%

**Market Actors Supplied by Mills:**  
Bakeries Supplied: 0  
Traders Supplied: 0

### Silos Status

**0%** Operational (0) / 100% Non-Operational (NA)

**Functionality:**  
Full: NA (0%)  
Partial: NA (0%)

**Ownership:**  
Public: NA (0%)  
Private: NA (0%)

**Reasons for Non-Operation:** NA

### Needed Support for Silos

Building Rehabilitation: NA  
Machine Rehabilitation: NA  
Estimated Cost of Machines and Rehabilitation: \$ NA

**Silos Capacity:**  
Silos Maximum Storage Capacity: NA MT

# Mapping of Wheat-to-Bread Processing Facilities

Aleppo November 2023



WHOLE OF SYRIA (WoS)  
FOOD SECURITY SECTOR  
Strengthening Humanitarian Response



DISTRICT: Ain Al Arab  
SUB-DISTRICT: Ain al Arab



TOTAL POPULATION 86088  
PIN 52692

## BAKERIES 5

CURRENCY USED: USD 0%, SYP 100%  
QUALITY CONTROL (LAB TESTING): N/A

### Bakery Status

**80%** Operational (4) / Non-Operational (1)

**Functionality:** Full (1, 25%), Partial (3, 75%)

**Ownership:** Public (2, 40%), Private (3, 60%), Mix (0, 0%)

**Reasons for Non-Operation:** N/A, N/A, N/A

### Bread Production

**Daily Production (MT):** Subsidized Bread (20), Unsubsidized Bread (0), Tourist Bread (0), Free Bread (NGO) (6), Others (0)

**Price (SYP) /KG:** 378 - 409 (Subsidized), N/A - N/A (Unsubsidized), N/A - N/A (Tourist)

**Average Subsidized Bread Package Weight:** 1067g  
**Average Unsubsidized Bread Package Weight:** N/Ag

**Daily Production:** 26 MT  
**Full Daily Capacity:** 78 MT  
**Current Productivity:** 33%

**Daily Bread Needs of Total Population:** 28 MT  
**Daily Bread Needs of PIN Population:** 17 MT  
**Subsidized Bread Availability to PIN:** 100%

### Bakery Management

Bakery Owner: 2 (50%)  
Private Investor: 0 (0%)  
Employee: 1 (25%)  
LSA: 1 (25%)  
Joint LSA: 0 (0%)  
Committee: 0 (0%)  
Other: 0 (0%)

### Availability

Legend: Always Available (Green), Fairly Available (Dark Green), Not Available (Red)

**Bread:** 100% Always Available, 0% Fairly Available, 0% Not Available

**Local Flour:** 100% Always Available, 0% Fairly Available, 0% Not Available

**Imported Flour:** 50% Always Available, 0% Fairly Available, 50% Not Available

**Yeast:** 100% Always Available, 0% Fairly Available, 0% Not Available

**Fuel:** 100% Always Available, 0% Fairly Available, 0% Not Available

### Support Status

Never Received Support: 0 (0%)  
Used to Receive Support: 0 (0%)  
Currently Receive Support: 4 (100%)

Type of Support	Count	Percentage
Rehabilitation	12%	0
Operational Support	22%	1
Flour	33%	0
Yeast	33%	0

Source of Support	NGO	LSA	Other
Rehabilitation	0	1	0
Operational Support	1	1	0
Flour	0	3	0
Yeast	0	3	0

### Source and Price of Flour

Imported Flour: 400-450 \$/MT, 0%  
Local Flour: 15-NOV \$/MT, 100%

Source	Percentage
Trader	0%
Mill	0%
LSA	100%
NGO	0%

## MILLS 2

### Mills Status

**100%** Operational (2) / Non-Operational (0)

**Functionality:** Full (2, 100%), Partial (0, 0%)

**Reasons for Limited Functionality:** NA, NA, NA

**Ownership:** Public (2, 100%), Private (0, 0%), Mix (0, 0%)

## MILLS SOURCE OF WHEAT LSA

### Milling Capacity

Maximum Capacity: 840 MT  
Current Capacity: 770 MT

**Production Functionality:** 92%

### Market Actors Supplied by Mills

Bakeries Supplied: 0  
Traders Supplied: 0

## SILOS 1

### Silos Status

**100%** Operational (1) / Non-Operational (0)

**Functionality:** Full (1, 100%), Partial (0, 0%)

**Ownership:** Public (1, 100%), Private (0, 0%)

**Reasons for Non-Operation:** NA, NA, NA

## SILOS SOURCE OF WHEAT Farmers

### Needed Support for Silos

Building Rehabilitation: 0  
Machine Rehabilitation: 1  
Estimated Cost of Machines and Rehabilitation: \$5000

### Silos Capacity

Silos Maximum Storage Capacity: 12500 MT

# Mapping of Wheat-to-Bread Processing Facilities

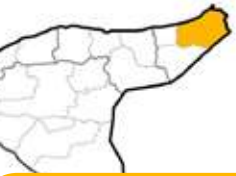
Al-Hasakeh November 2023



WHOLE OF SYRIA (WoS)  
FOOD SECURITY SECTOR  
Strengthening Humanitarian Response



DISTRICT: Al-Malikeyyeh  
SUB-DISTRICT: Al-Malikeyyeh



TOTAL POPULATION 86012  
PIN 26983

## BAKERIES 2

CURRENCY USED: USD 0%, SYP 100%  
QUALITY CONTROL (LAB TESTING): N/A

<b>Bakery Status</b> ● Non-Operational 0 ● Operational 2 100% <b>Reasons for Non-Operation</b> N/A N/A N/A	<b>Functionality</b> ● Full 0 (0%) ● Partial 2 (100%) <b>Ownership</b> ● Public 0 (0%) ● Private 2 (100%) ● Mix 0 (0%)	<b>Bread Production</b> <b>Daily Production (MT)</b> Subsidized Bread 3 Unsubsidized Bread 0 Tourist Bread 0 Free Bread (NGO) 2 Others 0 <b>Price (SYP) /KG</b> 250 - 250 N/A - N/A N/A - N/A <b>Average Subsidized Bread Package Weight</b> 1200g <b>Average Unsubsidized Bread Package Weight</b> N/Ag	<b>Quality Control</b> Daily Production 5 MT Full Daily Capacity 10 MT Current Productivity 50% Daily Bread Needs of Total Population 28 MT Subsidized Bread Availability to PIN 22% Daily Bread Needs of PIN Population 9 MT
---	--	--	---

**Bakery Management**

Bakery Owner	0 (0%)
Private Investor	2 (100%)
Employee	0 (0%)
LSA	0 (0%)
Joint LSA	0 (0%)
Committee	0 (0%)
Other	0 (0%)

**Availability** ● Always Available ● Fairly Available ● Not Available

<b>Bread</b> ● Always Available 0% ● Fairly Available 100% ● Not Available 0%	<b>Local Flour</b> ● Always Available 0% ● Fairly Available 100% ● Not Available 0%	<b>Imported Flour</b> ● Always Available 100% ● Fairly Available 0% ● Not Available 0%
<b>Yeast</b> ● Always Available 100% ● Fairly Available 0% ● Not Available 0%	<b>Fuel</b> ● Always Available 100% ● Fairly Available 0% ● Not Available 0%	

**Support Status**

Never Received Support	0 (0%)
Used to Receive Support	0 (0%)
Currently Receive Support	2 (100%)
<b>Type of Support</b>	
Rehabilitation	0%
Operational Support	0%
Flour	67%
Yeast	33%
<b>Source of Support</b>	
NGO	0
LSA	0
Other	0
NGO	1
LSA	1
Other	0
NGO	1
LSA	0
Other	0

**Source and Price of Flour**

Imported Flour	410-450 \$/MT
Local Flour	17-18 \$/MT
Trader	0%
Mill	0%
LSA	0%
NGO	100%
Importer	50%
Local	50%

## MILLS NA

**Mills Status**

● Non-Operational NA	● Operational NA
<b>Reasons for Non-Operation</b>	
NA	NA
NA	NA
NA	NA
<b>Functionality</b>	
● Full NA (0%)	● Partial NA (0%)
<b>Reasons for Limited Functionality</b>	
NA	NA
<b>Ownership</b>	
● Public NA (0%)	● Private NA (0%)
● Mix NA (0%)	

## MILLS SOURCE OF WHEAT NA

**Milling Capacity**

Maximum Capacity	NA MT
Current Capacity	NA MT
Production Functionality	NA%
<b>Market Actors Supplied by Mills</b>	
Bakeries Supplied	NA
Traders Supplied	NA

## SILOS 1

**Silos Status**

● Non-Operational 0	● Operational 1	100%
<b>Functionality</b>		
● Full 1 (100%)	● Partial 0 (0%)	
<b>Ownership</b>		
● Public 1 (100%)	● Private 0 (0%)	
<b>Reasons for Non-Operation</b> NA, NA, NA		

## SILOS SOURCE OF WHEAT LSA, Farmers Traders Agricultural Development Company

**Needed Support for Silos**

Building Rehabilitation	1
Machine Rehabilitation	1
Estimated Cost of Machines and Rehabilitation	\$ 10000
<b>Silos Capacity</b>	
Silos Maximum Storage Capacity	11000 MT



# Mapping of Wheat-to-Bread Processing Facilities

Al-Hasakeh November 2023



WHOLE OF SYRIA (WoS)  
FOOD SECURITY SECTOR  
Strengthening Humanitarian Response



DISTRICT: Quamishli  
SUB-DISTRICT: Amuda



TOTAL POPULATION 48749  
PIN 12187

## BAKERIES 5

### Bakery Status



#### Reasons for Non-Operation

- Lack of access to support
- No financial liquidity
- Security challenges

#### Functionality

- Full 0 (0%)
- Partial 3 (100%)

#### Ownership

- Public 1 (20%)
- Private 4 (80%)
- Mix 0 (0%)

## CURRENCY USED

USD 0%

SYP 100%

## QUALITY CONTROL (LAB TESTING)

N/A

### Bread Production

#### Daily Production (MT)

	Quantity (MT)	Price (SYP) /KG
Subsidized Bread	9	225 - 273
Unsubsidized Bread	0	N/A - N/A
Tourist Bread	6	4167 - 4167
Free Bread (NGO)	0	
Others	0	

Average Subsidized Bread Package Weight 1550g

Average Unsubsidized Bread Package Weight N/Ag

Daily Production 15 MT  
Full Daily Capacity 32 MT

Current Productivity 47%

Daily Bread Needs of Total Population 16 MT

Subsidized Bread Availability to PIN 100%

Daily Bread Needs of PIN Population 4 MT

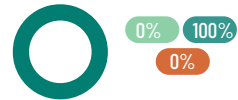
### Bakery Management

- Bakery Owner 2 (67%)
- Private Investor 0 (0%)
- Employee 0 (0%)
- LSA 1 (33%)
- Joint LSA 0 (0%)
- Committee 0 (0%)
- Other 0 (0%)

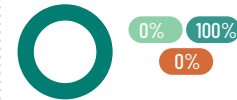
### Availability

● Always Available ● Fairly Available ● Not Available

#### Bread



#### Local Flour



#### Imported Flour



#### Yeast



#### Fuel



### Support Status

Never Received Support 1 (33%)  
Used to Receive Support 0 (0%)  
Currently Receive Support 2 (67%)

#### Type of Support

Type of Support	Percentage
Rehabilitation	0%
Operational Support	20%
Flour	40%
Yeast	40%

#### Source of Support

Source of Support	NGO	LSA	Other
Rehabilitation	0	0	0
Operational Support	0	1	0
Flour	1	1	0
Yeast	1	1	0

### Source and Price of Flour

Imported Flour 410-410 \$/MT  
33%

Local Flour 460-460 \$/MT  
67%

Source	Percentage	Local Availability
Trader	55%	0%
Mill	0%	0%
LSA	0%	100%
NGO	45%	0%



## MILLS 5

### Mills Status



#### Reasons for Non-Operation

- High Operational Cost
- High Operational Cost
- Security Challenges

#### Functionality

- Full 3 (100%)
- Partial 0 (0%)

#### Ownership

- Public 0 (0%)
- Private 5 (100%)
- Mix 0 (0%)

#### Reasons for Limited Functionality

- NA
- NA
- NA



## MILLS SOURCE OF WHEAT LSA

### Milling Capacity

Maximum Capacity 945 MT  
Current Capacity 825 MT

Production Functionality 87%

### Market Actors Supplied by Mills

Bakeries Supplied 8  
Traders Supplied 0



## SILOS 2

### Silos Status



#### Functionality

- Full 2 (100%)
- Partial 0 (0%)

#### Ownership

- Public 2 (100%)
- Private 0 (0%)

Reasons for Non-Operation NA, NA, NA



## SILOS SOURCE OF WHEAT Farmers

### Needed Support for Silos

Building Rehabilitation 0  
Machine Rehabilitation 1  
Estimated Cost of Machines and Rehabilitation \$10000

### Silos Capacity

Silos Maximum Storage Capacity 145000 MT

# Mapping of Wheat-to-Bread Processing Facilities

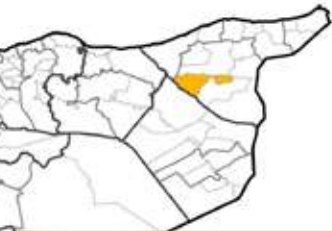
Al-Hasakeh November 2023



WHOLE OF SYRIA (WoS)  
FOOD SECURITY SECTOR  
Strengthening Humanitarian Response



DISTRICT: Al-Hasakeh  
SUB-DISTRICT: Areesheh



TOTAL POPULATION 43064  
PIN 25979

## BAKERIES 4

CURRENCY USED: USD 0%, SYP 100%  
QUALITY CONTROL (LAB TESTING): N/A

### Bakery Status



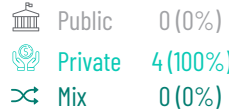
#### Reasons for Non-Operation

N/A  
N/A  
N/A

#### Functionality

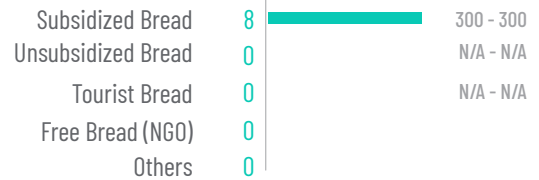


#### Ownership



### Bread Production

#### Daily Production (MT)



Average Subsidized Bread Package Weight: 1000g

Average Unsubsidized Bread Package Weight: N/Ag



Daily Bread Needs of Total Population: 14 MT

Daily Bread Needs of PIN Population: 9 MT

Subsidized Bread Availability to PIN: 93%

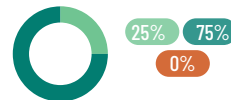
### Bakery Management

Bakery Owner: 3 (75%)  
Private Investor: 0 (0%)  
Employee: 0 (0%)  
LSA: 0 (0%)  
Joint LSA: 0 (0%)  
Committee: 1 (25%)  
Other: 0 (0%)

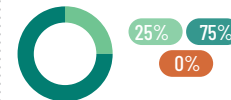
### Availability

● Always Available ● Fairly Available ● Not Available

#### Bread



#### Local Flour



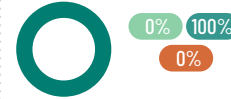
#### Imported Flour



#### Yeast



#### Fuel



### Support Status

Never Received Support: 0 (0%)  
Used to Receive Support: 0 (0%)  
Currently Receive Support: 4 (100%)

#### Type of Support

Rehabilitation: 0%  
Operational Support: 0%  
Flour: 80%  
Yeast: 20%

#### Source of Support

Source	NGO	LSA	Other
Rehabilitation	0	0	0
Operational Support	0	0	0
Flour	0	4	0
Yeast	0	1	0

### Source and Price of Flour

Imported Flour: 380-500 \$/MT  
Local Flour: 14-15 \$/MT

0% Imported, 100% Local

Source	0%	100%
Trader	0%	0%
Mill	0%	0%
LSA	0%	100%
NGO	0%	0%

## MILLS 12

### Mills Status



#### Reasons for Non-Operation

NA  
NA  
NA

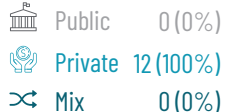
#### Functionality



#### Reasons for Limited Functionality

NA  
NA  
NA

#### Ownership



MILLS SOURCE OF WHEAT: LSA, Farmers

### Milling Capacity

Maximum Capacity: 188 MT  
Current Capacity: 153 MT

Production Functionality: 81%

### Market Actors Supplied by Mills

Bakeries Supplied: 0  
Traders Supplied: 0



## SILOS NA

### Silos Status

● Non-Operational NA  
● Operational NA

#### Functionality

● Full NA (0%)  
● Partial NA (0%)

#### Ownership

Public NA (%)  
Private NA (%)

Reasons for Non-Operation: NA



SILOS SOURCE OF WHEAT: NA

### Needed Support for Silos

Building Rehabilitation: NA  
Machine Rehabilitation: NA  
Estimated Cost of Machines and Rehabilitation: \$ NA

### Silos Capacity

Silos Maximum Storage Capacity: NA MT

# Mapping of Wheat-to-Bread Processing Facilities

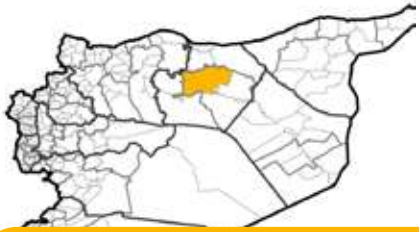
Ar-Raqqa November 2023



WHOLE OF SYRIA (WoS)  
FOOD SECURITY SECTOR  
Strengthening Humanitarian Response



DISTRICT: Ar-Raqqa  
SUB-DISTRICT: Ar-Raqqa



TOTAL POPULATION 379993  
PIN 282685

## BAKERIES 77

CURRENCY USED USD 0% SYP 100%

QUALITY CONTROL (LAB TESTING) N/A

### Bakery Status



### Reasons for Non-Operation

- Machines need maintenance
- No financial liquidity
- High operational cost

### Functionality

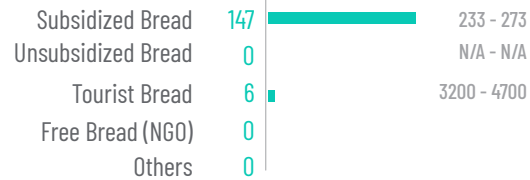
- Full 11 (15%)
- Partial 62 (85%)

### Ownership

- Public 5 (6%)
- Private 63 (82%)
- Mix 9 (12%)

### Bread Production

#### Daily Production (MT)



Average Subsidized Bread Package Weight 1179g  
Average Unsubsidized Bread Package Weight N/Ag



Current Productivity 28%

Daily Bread Needs of Total Population 125 MT

Daily Bread Needs of PIN Population 93 MT

Subsidized Bread Availability to PIN 100%

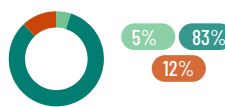
### Bakery Management

- Bakery Owner 59 (81%)
- Private Investor 10 (14%)
- Employee 0 (0%)
- LSA 3 (4%)
- Joint LSA 1 (1%)
- Committee 0 (0%)
- Other 0 (0%)

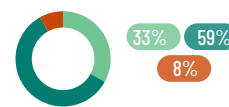
### Availability

● Always Available ● Fairly Available ● Not Available

#### Bread



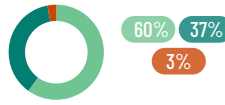
#### Local Flour



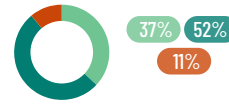
#### Imported Flour



#### Yeast



#### Fuel



### Support Status

Never Received Support 28 (38%)  
Used to Receive Support 0 (0%)  
Currently Receive Support 45 (62%)

#### Type of Support

Type of Support	Count	Percentage	NGO	LSA	Other
Rehabilitation	0	0%	0	0	0
Operational Support	2	2%	0	2	0
Flour	49	49%	2	45	0
Yeast	49	49%	2	45	0

#### Source of Support

Source of Support	Count	Percentage
NGO	2	2%
LSA	45	45%
Other	0	0%

### Source and Price of Flour

Imported Flour 200-600 \$/MT 3%  
Local Flour 8-400 \$/MT 97%



## MILLS 7



MILLS SOURCE OF WHEAT LSA, Farmers



## SILOS 7



SILOS SOURCE OF WHEAT LSA, Farmers Traders Agricultural Development Company

### Mills Status



### Functionality

- Full 7 (100%)
- Partial 0 (0%)

### Reasons for Limited Functionality

- NA
- NA
- NA

### Ownership

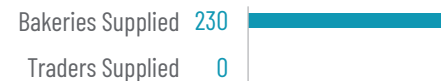
- Public 2 (29%)
- Private 5 (71%)
- Mix 0 (0%)

### Milling Capacity



Production Functionality 66%

### Market Actors Supplied by Mills



### Silos Status



### Functionality

- Full 5 (83%)
- Partial 1 (17%)

### Ownership

- Public 7 (100%)
- Private 0 (0%)

Reasons for Non-Operation Bombing and Shelling, NA, NA

### Needed Support for Silos

Building Rehabilitation 6  
Machine Rehabilitation 5  
Estimated Cost of Machines and Rehabilitation \$194000

### Silos Capacity

Silos Maximum Storage Capacity 70500 MT

# Mapping of Wheat-to-Bread Processing Facilities

Deir-ez-Zor November 2023



WHOLE OF SYRIA (WoS)  
FOOD SECURITY SECTOR  
Strengthening Humanitarian Response



DISTRICT: Deir-ez-Zor  
SUB-DISTRICT: Basira



TOTAL POPULATION 39030  
PIN 9341

## BAKERIES 24

CURRENCY USED: USD 8%, SYP 92% | QUALITY CONTROL (LAB TESTING): N/A

### Bakery Status



### Reasons for Non-Operation

N/A  
N/A  
N/A

### Functionality

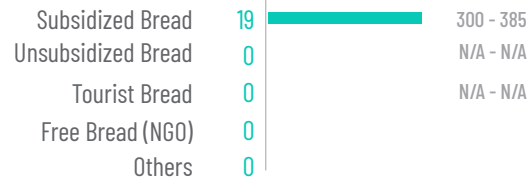
● Full 0 (0%)  
● Partial 24 (100%)

### Ownership

Public 5 (21%)  
Private 19 (79%)  
Mix 0 (0%)

### Bread Production

#### Daily Production (MT)



Average Subsidized Bread Package Weight 1492g

Average Unsubsidized Bread Package Weight N/Ag



Daily Bread Needs of Total Population 13 MT

Daily Bread Needs of PIN Population 3 MT

Subsidized Bread Availability to PIN 100%

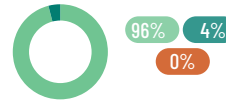
### Bakery Management

Bakery Owner 15 (62%)  
Private Investor 0 (0%)  
Employee 9 (38%)  
LSA 0 (0%)  
Joint LSA 0 (0%)  
Committee 0 (0%)  
Other 0 (0%)

### Availability

● Always Available ● Fairly Available ● Not Available

#### Bread



#### Local Flour



#### Imported Flour



#### Yeast



#### Fuel



### Support Status

Never Received Support 0 (0%)  
Used to Receive Support 0 (0%)  
Currently Receive Support 24 (100%)

#### Type of Support

Type of Support	Percentage	NGO	LSA	Other
Rehabilitation	0%	0	0	0
Operational Support	0%	0	0	0
Flour	100%	0	24	0
Yeast	0%	0	0	0

#### Source of Support

Source of Support	NGO	LSA	Other
Rehabilitation	0	0	0
Operational Support	0	0	0
Flour	0	24	0
Yeast	0	0	0

### Source and Price of Flour

Imported Flour 350-450 \$/MT  
Local Flour 250-350 \$/MT

0% 100%

Source	Percentage	Local Flour
Trader	0%	0%
Mill	0%	0%
LSA	0%	100%
NGO	0%	0%



## MILLS 16

### Mills Status



### Functionality

● Full 6 (38%)  
● Partial 10 (62%)

### Ownership

Public 0 (0%)  
Private 16 (100%)  
Mix 0 (0%)

### Reasons for Limited Functionality

Fuel/Electricity Shortage

Wheat Shortage

High Operational Cost



## MILLS SOURCE OF WHEAT Farmers, Traders

### Milling Capacity

Maximum Capacity 1310 MT  
Current Capacity 1665 MT

Production Functionality 127%

### Market Actors Supplied by Mills

Bakeries Supplied 12  
Traders Supplied 160



## SILOS NA



## SILOS SOURCE OF WHEAT NA

### Silos Status



### Functionality

● Full NA (0%)  
● Partial NA (0%)

### Ownership

Public NA (0%)  
Private NA (0%)

Reasons for Non-Operation NA

### Needed Support for Silos

Building Rehabilitation NA  
Machine Rehabilitation NA  
Estimated Cost of Machines and Rehabilitation \$ NA

### Silos Capacity

Silos Maximum Storage Capacity NA MT

# Mapping of Wheat-to-Bread Processing Facilities

Al-Hasakeh November 2023



WHOLE OF SYRIA (WoS)  
FOOD SECURITY SECTOR  
Strengthening Humanitarian Response



DISTRICT: Al-Hasakeh  
SUB-DISTRICT: Be'r Al-Hulo Al-Wardeyyeh



## BAKERIES 8



## CURRENCY USED

USD 0%

SYP 100%



## QUALITY CONTROL (LAB TESTING)

N/A

### Bakery Status



### Reasons for Non-Operation

N/A  
N/A  
N/A

### Functionality

● Full 7 (100%)  
● Partial 0 (0%)

### Ownership

● Public 1 (12%)  
● Private 7 (88%)  
● Mix 0 (0%)

### Bread Production

#### Daily Production (MT)



#### Price (SYP) /KG

231 - 256  
N/A - N/A  
N/A - N/A

Daily Production 10 MT  
Full Daily Capacity 18 MT

Current Productivity



Daily Bread Needs of Total Population 3 MT

Subsidized Bread Availability to PIN



Daily Bread Needs of PIN Population 3 MT

N/A

N/A

N/A

Average Subsidized Bread Package Weight 1218g

Average Unsubsidized Bread Package Weight N/Ag

### Support Status

Never Received Support 1 (14%)  
Used to Receive Support 0 (0%)  
Currently Receive Support 6 (86%)

#### Type of Support

Rehabilitation 0%  
Operational Support 0%  
Flour 100%  
Yeast 0%

#### Source of Support

	NGO	LSA	Other
Flour	0	5	0
Yeast	0	0	0

### Source and Price of Flour

Imported Flour 439-445 \$/MT  
0%

Local Flour 371-375 \$/MT  
100%



TOTAL POPULATION 8916  
PIN 7598

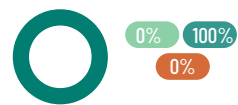
### Bakery Management

Bakery Owner 6 (86%)  
Private Investor 0 (0%)  
Employee 0 (0%)  
LSA 1 (14%)  
Joint LSA 0 (0%)  
Committee 0 (0%)  
Other 0 (0%)

### Availability

● Always Available ● Fairly Available ● Not Available

#### Bread



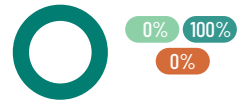
#### Local Flour



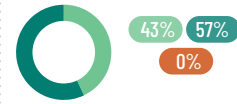
#### Imported Flour



#### Yeast



#### Fuel



## MILLS 8



## MILLS SOURCE OF WHEAT Farmers



## SILOS 0



## SILOS SOURCE OF WHEAT

### Mills Status



### Reasons for Non-Operation

No Financial Liquidity  
Need for Building Rehabilitation  
Need for Machine Rehabilitation

### Functionality

● Full 0 (0%)  
● Partial 5 (100%)

### Ownership

● Public 0 (0%)  
● Private 8 (100%)  
● Mix 0 (0%)

### Reasons for Limited Functionality

Low Demand in Area  
Fuel/Electricity Shortage  
Wheat Shortage

### Milling Capacity

Maximum Capacity 131 MT  
Current Capacity 72 MT

Production Functionality 55%

### Market Actors Supplied by Mills

Bakeries Supplied 0  
Traders Supplied 0

### Silos Status



### Functionality

● Full 0 (0%)  
● Partial 0 (0%)

### Ownership

● Public 2 (100%)  
● Private 0 (0%)

Reasons for Non-Operation N/A, N/A, N/A

### Needed Support for Silos

Building Rehabilitation 0  
Machine Rehabilitation 0  
Estimated Cost of Machines and Rehabilitation \$ 0

### Silos Capacity

Silos Maximum Storage Capacity 0 MT

# Mapping of Wheat-to-Bread Processing Facilities

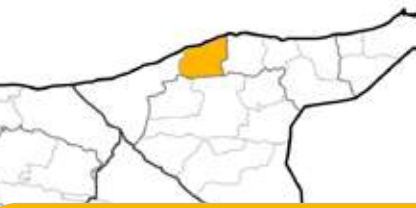
Al-Hasakeh November 2023



WHOLE OF SYRIA (WoS)  
FOOD SECURITY SECTOR  
Strengthening Humanitarian Response



DISTRICT: Ras Al Ain  
SUB-DISTRICT: Darbasiyah



TOTAL POPULATION 38460  
PIN 14102

BAKERIES 6		CURRENCY USED	USD 0%	SYP 100%	QUALITY CONTROL (LAB TESTING)	N/A	
<b>Bakery Status</b> ● Non-Operational 0 ● Operational 6 100% <b>Reasons for Non-Operation</b> N/A N/A N/A		<b>Functionality</b> ● Full 6 (100%) ● Partial 0 (0%) <b>Ownership</b> ● Public 1 (17%) ● Private 5 (83%) ● Mix 0 (0%)		<b>Bread Production</b> Daily Production (MT) Subsidized Bread 17 Unsubsidized Bread 0 Tourist Bread 0 Free Bread (NGO) 0 Others 0 Price (SYP) /KG Subsidized Bread 273 - 300 Unsubsidized Bread N/A - N/A Tourist Bread N/A - N/A Average Subsidized Bread Package Weight 2000g Average Unsubsidized Bread Package Weight N/Ag		Daily Production 17 MT Full Daily Capacity 68 MT Current Productivity 25% Daily Bread Needs of Total Population 13 MT Subsidized Bread Availability to PIN 100% Daily Bread Needs of PIN Population 5 MT	
<b>Bakery Management</b> Bakery Owner 4 (66%) Private Investor 1 (17%) Employee 0 (0%) LSA 1 (17%) Joint LSA 0 (0%) Committee 0 (0%) Other 0 (0%)		<b>Availability</b> ● Always Available ● Fairly Available ● Not Available Bread 83% (Always Available), 17% (Fairly Available), 0% (Not Available) Local Flour 100% (Always Available), 0% (Fairly Available), 0% (Not Available) Imported Flour 100% (Always Available), 0% (Fairly Available), 0% (Not Available) Yeast 83% (Always Available), 17% (Fairly Available), 0% (Not Available) Fuel 100% (Always Available), 0% (Fairly Available), 0% (Not Available)		<b>Support Status</b> Never Received Support 0 (0%) Used to Receive Support 0 (0%) Currently Receive Support 6 (100%) Type of Support: Rehabilitation 12%, Operational Support 0%, Flour 76%, Yeast 12% Source of Support: NGO 0, LSA 1, Other 0		<b>Source and Price of Flour</b> Imported Flour 450-450 \$/MT Local Flour 350-350 \$/MT 0% Imported, 100% Local Trader 0%, Mill 0%, LSA 0%, NGO 0% 100% Local Flour	

MILLS 7		MILLS SOURCE OF WHEAT	Farmers, Traders	SILOS 2	SILOS SOURCE OF WHEAT		
<b>Mills Status</b> ● Non-Operational 6 ● Operational 1 14% <b>Reasons for Non-Operation</b> Wheat Shortage High Operational Cost Fuel/Electricity Shortage		<b>Milling Capacity</b> Maximum Capacity 700 MT Current Capacity 455 MT Production Functionality 65% <b>Market Actors Supplied by Mills</b> Bakeries Supplied 0 Traders Supplied 0		<b>Silos Status</b> ● Non-Operational 2 ● Operational 0 100% <b>Functionality</b> ● Full 0 (0%) ● Partial 0 (0%) <b>Ownership</b> ● Public 2 (100%) ● Private 0 (0%) <b>Reasons for Non-Operation</b> Bombing and Shelling, Need for Machine Rehabilitation, Need for Building Rehabilitation		<b>Needed Support for Silos</b> Building Rehabilitation 0 Machine Rehabilitation 0 Estimated Cost of Machines and Rehabilitation \$0 <b>Silos Capacity</b> Silos Maximum Storage Capacity 0 MT	

# Mapping of Wheat-to-Bread Processing Facilities

Deir-ez-Zor November 2023



WHOLE OF SYRIA (WoS)  
FOOD SECURITY SECTOR  
Strengthening Humanitarian Response



DISTRICT: Deir-ez-Zor  
SUB-DISTRICT: Deir-ez-Zor



TOTAL POPULATION 275894  
PIN 192579

<b>BAKERIES</b> 12	<b>CURRENCY USED</b> USD 0% SYP 100%	<b>QUALITY CONTROL (LAB TESTING)</b> N/A
<b>Bakery Status</b> ● Non-Operational 0 ● Operational 12 Reasons for Non-Operation: N/A, N/A, N/A	<b>Functionality</b> ● Full 9 (75%) ● Partial 3 (25%) <b>Ownership</b> ● Public 0 (0%) ● Private 10 (83%) ● Mix 2 (17%)	<b>Bread Production</b> Daily Production (MT) Subsidized Bread 11 Unsubsidized Bread 0 Tourist Bread 0 Free Bread (NGO) 0 Others 0 Price (SYP) /KG: 240 - 250 (Subsidized), N/A - N/A (Unsubsidized), N/A - N/A (Tourist) Average Subsidized Bread Package Weight: 1246g Average Unsubsidized Bread Package Weight: N/Ag
		Daily Production 11 MT Full Daily Capacity 46 MT Daily Bread Needs of Total Population 91 MT Daily Bread Needs of PIN Population 64 MT Current Productivity 24% Subsidized Bread Availability to PIN 17%

**Bakery Management**

Bakery Owner	12 (100%)
Private Investor	0 (0%)
Employee	0 (0%)
LSA	0 (0%)
Joint LSA	0 (0%)
Committee	0 (0%)
Other	0 (0%)

**Availability** ● Always Available ● Fairly Available ● Not Available

<b>Bread</b> 100% Always Available, 0% Fairly Available, 0% Not Available	<b>Local Flour</b> 100% Always Available, 0% Fairly Available, 0% Not Available	<b>Imported Flour</b> 100% Always Available, 0% Fairly Available, 0% Not Available
<b>Yeast</b> 58% Always Available, 42% Fairly Available, 0% Not Available	<b>Fuel</b> 100% Always Available, 0% Fairly Available, 0% Not Available	

**Support Status**

Never Received Support	0 (0%)	Type of Support	Source of Support	NGO	0	LSA	0	Other	0		
Used to Receive Support	0 (0%)			Rehabilitation	0%	Operational Support	0%	Flour	100%	Yeast	0%
Currently Receive Support	12 (100%)			Flour	100%	Yeast	0%				

**Source and Price of Flour**

Imported Flour	420-440 \$/MT	Local Flour	370-400 \$/MT
0%		100%	
Trader	0%	Mill	0%
LSA	0%	NGO	0%

## MILLS NA

**Mills Status**

● Non-Operational NA ● Operational NA	<b>Functionality</b> ● Full NA (0%) ● Partial NA (0%)	<b>Reasons for Limited Functionality</b> NA, NA, NA
<b>Reasons for Non-Operation</b> NA, NA, NA	<b>Ownership</b> ● Public NA (0%) ● Private NA (0%) ● Mix NA (0%)	

## MILLS SOURCE OF WHEAT NA

**Milling Capacity**

Maximum Capacity	NA MT
Current Capacity	NA MT
Production Functionality	NA%

**Market Actors Supplied by Mills**

Bakeries Supplied	NA
Traders Supplied	NA

## SILOS 3

**Silos Status**

● Non-Operational 2 ● Operational 1	33%
<b>Functionality</b> ● Full 1 (100%) ● Partial 0 (0%)	<b>Ownership</b> ● Public 3 (100%) ● Private 0 (0%)
<b>Reasons for Non-Operation</b>	Need for Building Rehabilitation, Need for Building Rehabilitation, High Operational Cost

## SILOS SOURCE OF WHEAT Farmers, Traders

**Needed Support for Silos**

Building Rehabilitation	0
Machine Rehabilitation	1
Estimated Cost of Machines and Rehabilitation	\$ 25000

**Silos Capacity**

Silos Maximum Storage Capacity	12000 MT
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# Mapping of Wheat-to-Bread Processing Facilities

Deir-ez-Zor November 2023



WHOLE OF SYRIA (WoS)  
FOOD SECURITY SECTOR  
Strengthening Humanitarian Response



DISTRICT: Abu Kamal  
SUB-DISTRICT: Hajin



TOTAL POPULATION 105177  
PIN 32555

BAKERIES 27		CURRENCY USED	USD 0%	SYP 100%	QUALITY CONTROL (LAB TESTING)	N/A	
<b>Bakery Status</b> ● Non-Operational 0 ● Operational 27 100% <b>Reasons for Non-Operation</b> N/A N/A N/A		<b>Functionality</b> ● Full 16 (59%) ● Partial 11 (41%) <b>Ownership</b> ● Public 1 (4%) ● Private 26 (96%) ● Mix 0 (0%)		<b>Bread Production</b> Daily Production (MT) Subsidized Bread 25 Unsubsidized Bread 0 Tourist Bread 0 Free Bread (NGO) 0 Others 0 Price (SYP) /KG 240 - 240 N/A - N/A N/A - N/A		Daily Production 25 MT Full Daily Capacity 110 MT Current Productivity 23% Daily Bread Needs of Total Population 35 MT Subsidized Bread Availability to PIN 100% Daily Bread Needs of PIN Population 11 MT	
<b>Bakery Management</b> Bakery Owner 23 (85%) Private Investor 0 (0%) Employee 3 (11%) LSA 1 (4%) Joint LSA 0 (0%) Committee 0 (0%) Other 0 (0%)		<b>Availability</b> ● Always Available ● Fairly Available ● Not Available Bread 85% (Always Available), 15% (Fairly Available), 0% (Not Available) Local Flour 100% (Always Available), 0% (Fairly Available), 0% (Not Available) Imported Flour 100% (Always Available), 0% (Fairly Available), 0% (Not Available) Yeast 100% (Always Available), 0% (Fairly Available), 0% (Not Available) Fuel 100% (Always Available), 0% (Fairly Available), 0% (Not Available)		<b>Support Status</b> Never Received Support 0 (0%) Used to Receive Support 0 (0%) Currently Receive Support 27 (100%) Type of Support: Rehabilitation 3%, Operational Support 0%, Flour 94%, Yeast 3% Source of Support: NGO 0, LSA 1, Other 0		<b>Source and Price of Flour</b> Imported Flour 420-435 \$/MT Local Flour 380-405 \$/MT 0% Imported, 100% Local Trader 0%, Mill 0%, LSA 0%, NGO 0%	

MILLS NA		MILLS SOURCE OF WHEAT NA	SILOS NA	SILOS SOURCE OF WHEAT NA			
<b>Mills Status</b> ● Non-Operational NA ● Operational NA <b>Reasons for Non-Operation</b> NA NA NA		<b>Milling Capacity</b> Maximum Capacity NA MT Current Capacity NA MT Production Functionality NA% <b>Market Actors Supplied by Mills</b> Bakeries Supplied NA Traders Supplied NA		<b>Silos Status</b> ● Non-Operational NA ● Operational NA <b>Functionality</b> ● Full NA (0%) ● Partial NA (0%) <b>Ownership</b> ● Public NA (0%) ● Private NA (0%) <b>Reasons for Non-Operation</b> NA		<b>Needed Support for Silos</b> Building Rehabilitation NA Machine Rehabilitation NA Estimated Cost of Machines and Rehabilitation \$ NA <b>Silos Capacity</b> Silos Maximum Storage Capacity NA MT	



# Mapping of Wheat-to-Bread Processing Facilities

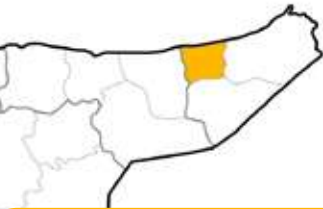
Al-Hasakeh November 2023



WHOLE OF SYRIA (WoS)  
FOOD SECURITY SECTOR  
Strengthening Humanitarian Response



DISTRICT: Al-Malikeyyeh  
SUB-DISTRICT: Jawadiyah



TOTAL POPULATION 27397  
PIN 20012

## BAKERIES 26

CURRENCY USED: USD 7%, SYP 93%  
QUALITY CONTROL (LAB TESTING): N/A

### Bakery Status

● Non-Operational 0  
● Operational 26

Reasons for Non-Operation: N/A, N/A, N/A

### Functionality

● Full 1 (4%)  
● Partial 25 (96%)

### Ownership

Public 0 (0%)  
Private 26 (100%)  
Mix 0 (0%)

### Bread Production

Daily Production (MT): Subsidized Bread 18, Unsubsidized Bread 0, Tourist Bread 0, Free Bread (NGO) 2, Others 0

Price (SYP) /KG: 240-300 (Subsidized), N/A-N/A (Unsubsidized), N/A-N/A (Tourist)

Average Subsidized Bread Package Weight: 1250g  
Average Unsubsidized Bread Package Weight: N/Ag

Daily Production: 20 MT  
Full Daily Capacity: 89 MT

Daily Bread Needs of Total Population: 9 MT  
Daily Bread Needs of PIN Population: 7 MT

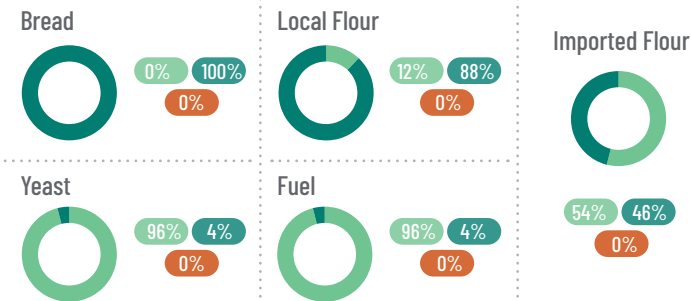
Current Productivity: 22%  
Subsidized Bread Availability to PIN: 100%

### Bakery Management

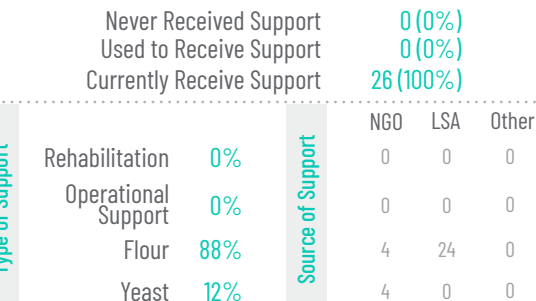
Bakery Owner 19 (73%)  
Private Investor 7 (27%)  
Employee 0 (0%)  
LSA 0 (0%)  
Joint LSA 0 (0%)  
Committee 0 (0%)  
Other 0 (0%)

### Availability

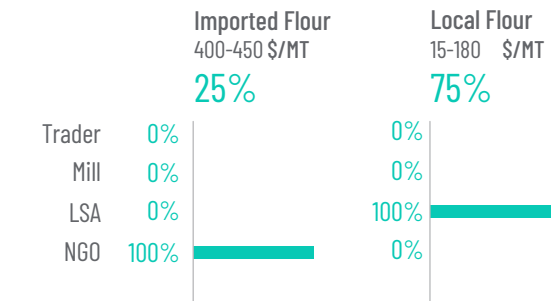
● Always Available ● Fairly Available ● Not Available



### Support Status



### Source and Price of Flour



## MILLS 1

### Mills Status

● Non-Operational 0  
● Operational 1

Reasons for Non-Operation: NA, NA, NA

### Functionality

● Full 1 (100%)  
● Partial 0 (0%)

### Ownership

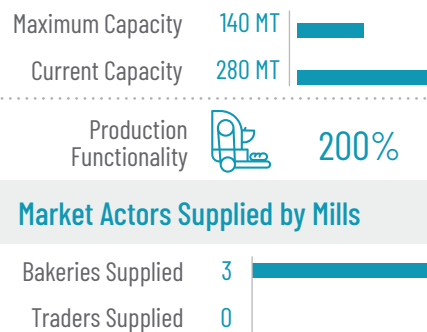
Public 0 (0%)  
Private 1 (100%)  
Mix 0 (0%)

### Reasons for Limited Functionality

NA, NA, NA

## MILLS SOURCE OF WHEAT LSA

### Milling Capacity



## SILOS NA

### Silos Status

● Non-Operational NA  
● Operational NA

### Functionality

● Full NA (0%)  
● Partial NA (0%)

### Ownership

Public NA (0%)  
Private NA (0%)

Reasons for Non-Operation: NA

## SILOS SOURCE OF WHEAT NA

### Needed Support for Silos

Building Rehabilitation: NA  
Machine Rehabilitation: NA  
Estimated Cost of Machines and Rehabilitation: \$ NA

### Silos Capacity

Silos Maximum Storage Capacity: NA MT

# Mapping of Wheat-to-Bread Processing Facilities

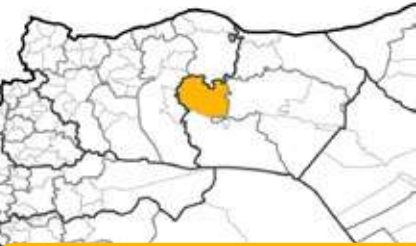
Ar-Raqqa November 2023



WHOLE OF SYRIA (WoS)  
FOOD SECURITY SECTOR  
Strengthening Humanitarian Response



DISTRICT: Ath-Thawrah  
SUB-DISTRICT: Jurneyyeh



TOTAL POPULATION 37184  
PIN 26618

## BAKERIES 12

CURRENCY USED: USD 0%, SYP 100%  
QUALITY CONTROL (LAB TESTING): N/A

### Bakery Status

● Non-Operational 3  
● Operational 9

75%

### Reasons for Non-Operation

- Machines need maintenance
- No financial liquidity
- Security challenges

### Functionality

- Full 0 (0%)
- Partial 9 (100%)

### Ownership

- Public 0 (0%)
- Private 9 (75%)
- Mix 3 (25%)

### Bread Production

Daily Production (MT)

Subsidized Bread	21	Price (SYP) /KG 300 - 356
Unsubsidized Bread	0	N/A - N/A
Tourist Bread	3	4286 - 4286
Free Bread (NGO)	0	
Others	0	

Average Subsidized Bread Package Weight: 881g  
Average Unsubsidized Bread Package Weight: N/Ag

### Support Status

Never Received Support	1 (11%)
Used to Receive Support	0 (0%)
Currently Receive Support	8 (89%)

### Type of Support

Rehabilitation	0%
Operational Support	0%
Flour	50%
Yeast	50%

### Source of Support

NGO	0
LSA	0
Other	0

### Source and Price of Flour

Imported Flour 370-390 \$/MT	5%
Local Flour 21-390 \$/MT	95%

### Trader

Trader	100%
Mill	0%
LSA	0%
NGO	0%

### Current Productivity

Daily Production: 24 MT  
Full Daily Capacity: 70 MT  
34%

### Subsidized Bread Availability to PIN

Daily Bread Needs of Total Population: 12 MT  
Daily Bread Needs of PIN Population: 9 MT  
100%

### Bakery Management

Bakery Owner	4 (44%)
Private Investor	4 (44%)
Employee	1 (12%)
LSA	0 (0%)
Joint LSA	0 (0%)
Committee	0 (0%)
Other	0 (0%)

### Availability

● Always Available ● Fairly Available ● Not Available

#### Bread

0% Always Available, 100% Fairly Available, 0% Not Available

#### Local Flour

0% Always Available, 100% Fairly Available, 0% Not Available

#### Imported Flour

56% Always Available, 44% Fairly Available, 0% Not Available

#### Yeast

100% Always Available, 0% Fairly Available, 0% Not Available

#### Fuel

33% Always Available, 67% Fairly Available, 0% Not Available

## MILLS 4

MILLS SOURCE OF WHEAT: Farmers

### Mills Status

● Non-Operational 0  
● Operational 4

100%

### Reasons for Non-Operation

- NA
- NA
- NA

### Functionality

- Full 0 (0%)
- Partial 4 (100%)

### Ownership

- Public 0 (0%)
- Private 4 (100%)
- Mix 0 (0%)

### Reasons for Limited Functionality

- Fuel/Electricity Shortage
- Low Demand in Area
- High Operational Cost

### Milling Capacity

Maximum Capacity: 163 MT  
Current Capacity: 35 MT

Production Functionality: 21%

### Market Actors Supplied by Mills

Bakeries Supplied	0
Traders Supplied	0

## SILOS NA

SILOS SOURCE OF WHEAT: NA

### Silos Status

● Non-Operational NA  
● Operational NA

### Functionality

- Full NA (0%)
- Partial NA (0%)

### Ownership

- Public NA (0%)
- Private NA (0%)

### Reasons for Non-Operation

NA

### Needed Support for Silos

Building Rehabilitation	NA
Machine Rehabilitation	NA
Estimated Cost of Machines and Rehabilitation	\$ NA

### Silos Capacity

Silos Maximum Storage Capacity: NA MT

# Mapping of Wheat-to-Bread Processing Facilities

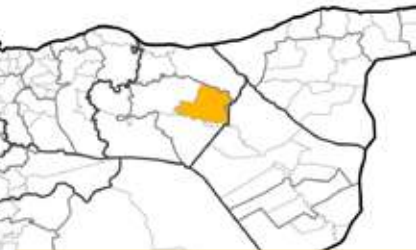
Ar-Raqqa November 2023



WHOLE OF SYRIA (WoS)  
FOOD SECURITY SECTOR  
Strengthening Humanitarian Response



DISTRICT: Ar-Raqqa  
SUB-DISTRICT: Karama



TOTAL POPULATION 52647  
PIN 39725

## BAKERIES 22

**Bakery Status**

● Non-Operational 1  
● Operational 21

**95%**

**Reasons for Non-Operation**

- High operational cost
- Lack of access to support
- Machines need maintenance

**Functionality**

● Full 0 (0%)  
● Partial 21 (100%)

**Ownership**

● Public 1 (5%)  
● Private 13 (59%)  
● Mix 8 (36%)

**CURRENCY USED**

USD 0%  
SYP 100%

**QUALITY CONTROL (LAB TESTING)** N/A

**Bread Production**

Daily Production (MT)

Subsidized Bread	34	Price (SYP) /KG 250 - 318
Unsubsidized Bread	0	N/A - N/A
Tourist Bread	0	N/A - N/A
Free Bread (NGO)	0	
Others	0	

Average Subsidized Bread Package Weight 1105g  
Average Unsubsidized Bread Package Weight N/Ag

Daily Production 34 MT  
Full Daily Capacity 140 MT

Current Productivity 24%

Daily Bread Needs of Total Population 17 MT  
Daily Bread Needs of PIN Population 13 MT

Subsidized Bread Availability to PIN 100%

**Bakery Management**

Bakery Owner	17 (81%)
Private Investor	4 (19%)
Employee	0 (0%)
LSA	0 (0%)
Joint LSA	0 (0%)
Committee	0 (0%)
Other	0 (0%)

**Availability**

● Always Available ● Fairly Available ● Not Available

**Bread**

0% 62% 38%

**Local Flour**

0% 81% 19%

**Imported Flour**

90% 5% 5%

**Yeast**

66% 24% 10%

**Fuel**

5% 66% 29%

**Support Status**

Never Received Support 0 (0%)  
Used to Receive Support 0 (0%)  
Currently Receive Support 21 (100%)

Type of Support	NGO	LSA	Other
Rehabilitation	0	0	0
Operational Support	0	0	0
Flour	50%	0	21
Yeast	50%	0	21

**Source and Price of Flour**

Imported Flour 400-500 \$/MT 0%  
Local Flour 10-SEP \$/MT 100%

Source	Trader	Mill	LSA	NGO
Imported Flour	0%	0%	0%	0%
Local Flour	0%	0%	100%	0%

## MILLS 1

**Mills Status**

● Non-Operational 0  
● Operational 1

**100%**

**Reasons for Non-Operation**

NA  
NA  
NA

**Functionality**

● Full 1 (100%)  
● Partial 0 (0%)

**Ownership**

● Public 0 (0%)  
● Private 1 (100%)  
● Mix 0 (0%)

**Reasons for Limited Functionality**

NA  
NA  
NA

## MILLS SOURCE OF WHEAT LSA

**Milling Capacity**

Maximum Capacity 245 MT  
Current Capacity 250 MT

Production Functionality 102%

**Market Actors Supplied by Mills**

Bakeries Supplied 0  
Traders Supplied 0

## SILOS 1

**Silos Status**

● Non-Operational 1  
● Operational 0

**100%**

**Functionality**

● Full 0 (0%)  
● Partial 0 (0%)

**Ownership**

● Public 1 (100%)  
● Private 0 (0%)

**Reasons for Non-Operation** Bombing and Shelling, NA, NA

## SILOS SOURCE OF WHEAT

**Needed Support for Silos**

Building Rehabilitation 0  
Machine Rehabilitation 0  
Estimated Cost of Machines and Rehabilitation \$0

**Silos Capacity**

Silos Maximum Storage Capacity 0 MT

# Mapping of Wheat-to-Bread Processing Facilities

Deir-ez-Zor November 2023



WHOLE OF SYRIA (WoS)  
FOOD SECURITY SECTOR  
Strengthening Humanitarian Response



DISTRICT: Deir-ez-Zor  
SUB-DISTRICT: Khasham



TOTAL POPULATION 30428  
PIN 14580

## BAKERIES 16

CURRENCY USED USD 0% SYP 100%

QUALITY CONTROL (LAB TESTING) N/A

### Bakery Status



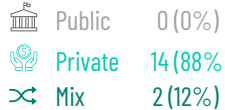
### Reasons for Non-Operation

- High operational cost
- Machines need maintenance
- N/A

### Functionality

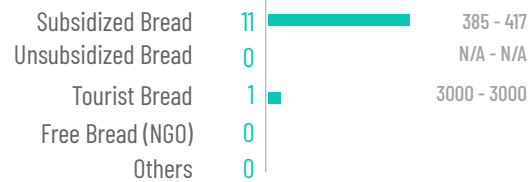


### Ownership



### Bread Production

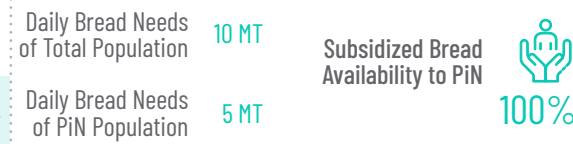
#### Daily Production (MT)



Average Subsidized Bread Package Weight 1282g  
Average Unsubsidized Bread Package Weight N/Ag



Current Productivity 14%



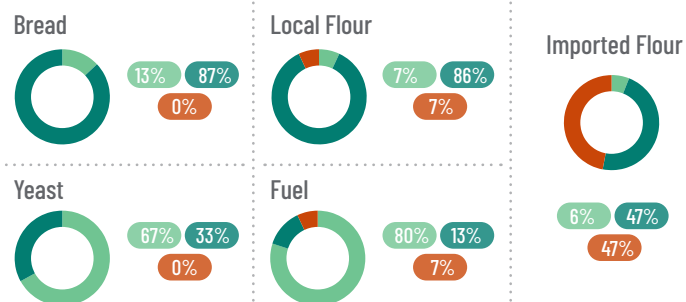
Subsidized Bread Availability to PIN 100%

### Bakery Management

- Bakery Owner 13 (87%)
- Private Investor 2 (13%)
- Employee 0 (0%)
- LSA 0 (0%)
- Joint LSA 0 (0%)
- Committee 0 (0%)
- Other 0 (0%)

### Availability

● Always Available ● Fairly Available ● Not Available

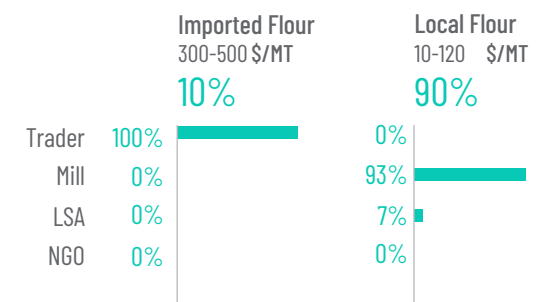


### Support Status



Type of Support	Source of Support		
	NGO	LSA	Other
Rehabilitation	0%	0	0
Operational Support	0%	0	0
Flour	100%	0	12
Yeast	0%	0	0

### Source and Price of Flour



## MILLS 17

MILLS SOURCE OF WHEAT Farmers

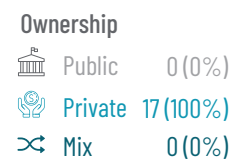
SILOS NA

SILOS SOURCE OF WHEAT NA

### Mills Status



- ### Reasons for Non-Operation
- No Financial Liquidity
  - Need for Machine Rehabilitation
  - NA



### Reasons for Limited Functionality

- Fuel/Electricity Shortage
- Need for Machine Rehabilitation
- High Operational Cost

### Milling Capacity

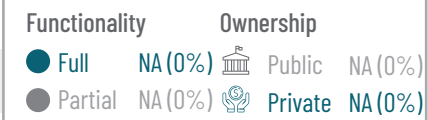


Production Functionality 28%

### Market Actors Supplied by Mills

Bakeries Supplied 0  
Traders Supplied 0

### Silos Status



Reasons for Non-Operation NA

### Needed Support for Silos

- Building Rehabilitation NA
- Machine Rehabilitation NA
- Estimated Cost of Machines and Rehabilitation \$ NA

### Silos Capacity

Silos Maximum Storage Capacity NA MT

# Mapping of Wheat-to-Bread Processing Facilities

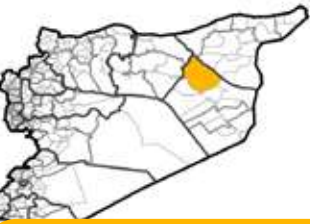
Deir-ez-Zor November 2023



WHOLE OF SYRIA (WoS)  
FOOD SECURITY SECTOR  
Strengthening Humanitarian Response



DISTRICT: Deir-ez-Zor  
SUB-DISTRICT: Kisreh



TOTAL POPULATION 111654  
PIN 72503

<b>BAKERIES</b> 45	<b>CURRENCY USED</b> USD 3% SYP 97%	<b>QUALITY CONTROL (LAB TESTING)</b> N/A
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<b>Bakery Status</b> <ul style="list-style-type: none"> <li>Non-Operational 8</li> <li>Operational 37</li> </ul> <p>82%</p> <b>Reasons for Non-Operation</b> High operational cost Lack of access to support Machines need maintenance	<b>Functionality</b> <ul style="list-style-type: none"> <li>Full 14 (38%)</li> <li>Partial 23 (62%)</li> </ul> <b>Ownership</b> <ul style="list-style-type: none"> <li>Public 3 (7%)</li> <li>Private 42 (93%)</li> <li>Mix 0 (0%)</li> </ul>	<b>Bread Production</b> <b>Daily Production (MT)</b> Subsidized Bread 35 Unsubsidized Bread 0 Tourist Bread 4 Free Bread (NGO) 1 Others 0	<b>Price (SYP) /KG</b> 228 - 250 N/A - N/A 4000 - 4600	<b>Daily Production</b> 40 MT <b>Full Daily Capacity</b> 323 MT <b>Daily Bread Needs of Total Population</b> 37 MT <b>Daily Bread Needs of PIN Population</b> 24 MT	<b>Current Productivity</b> 12% <b>Subsidized Bread Availability to PIN</b> 100%
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**Bakery Management**  

Bakery Owner	34 (92%)
Private Investor	3 (8%)
Employee	0 (0%)
LSA	0 (0%)
Joint LSA	0 (0%)
Committee	0 (0%)
Other	0 (0%)

**Availability**  

Always Available (Green) Fairly Available (Dark Green) Not Available (Red)

<b>Bread</b> 59% Always Available, 41% Fairly Available, 0% Not Available	<b>Local Flour</b> 95% Always Available, 5% Fairly Available, 0% Not Available	<b>Imported Flour</b> 84% Always Available, 16% Fairly Available, 0% Not Available
<b>Yeast</b> 84% Always Available, 16% Fairly Available, 0% Not Available	<b>Fuel</b> 97% Always Available, 3% Fairly Available, 0% Not Available	

**Support Status**  

Never Received Support	4 (11%)
Used to Receive Support	0 (0%)
Currently Receive Support	33 (89%)

Type of Support	Percentage	NGO	LSA	Other
Rehabilitation	0%	0	0	0
Operational Support	0%	0	0	0
Flour	95%	2	33	0
Yeast	5%	2	0	0

**Source and Price of Flour**  

<b>Imported Flour</b> 315-500 \$/MT	<b>Local Flour</b> 10-460 \$/MT
15%	85%

<b>Trader</b> 60%	4%
<b>Mill</b> 0%	0%
<b>LSA</b> 0%	94%
<b>NGO</b> 40%	2%

## MILLS 19

**Mills Status**  

- Non-Operational 6
- Operational 13

68%

**Reasons for Non-Operation**  
 No Financial Liquidity  
 Need for Machine Rehabilitation  
 Fuel/Electricity Shortage
 
 **Functionality**   - Full 6 (46%) - Partial 7 (54%)  **Ownership**   - Public 0 (0%) - Private 19 (100%) - Mix 0 (0%) | **Reasons for Limited Functionality**   Fuel/Electricity Shortage   Need for Machine Rehabilitation |

## MILLS SOURCE OF WHEAT Farmers, Traders

**Milling Capacity**  

Maximum Capacity	839 MT
Current Capacity	523 MT

Production Functionality 62%

**Market Actors Supplied by Mills**  

Bakeries Supplied	0
Traders Supplied	0

## SILOS 2

**Silos Status**  

- Non-Operational 2
- Operational 0

100%

**Functionality**  

- Full 0 (0%)
- Partial 0 (0%)

**Ownership**  

- Public 2 (100%)
- Private 0 (0%)

**Reasons for Non-Operation**  
 Bombing and Shelling, Need for Building Rehabilitation, Need for Building Rehabilitation
 

## SILOS SOURCE OF WHEAT

**Needed Support for Silos**  

Building Rehabilitation	0
Machine Rehabilitation	0
Estimated Cost of Machines and Rehabilitation	\$ 0

**Silos Capacity**  

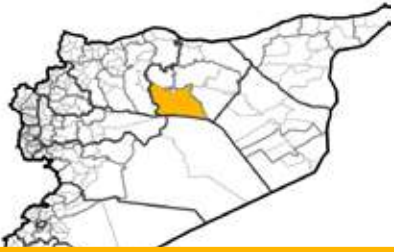
Silos Maximum Storage Capacity	0 MT
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# Mapping of Wheat-to-Bread Processing Facilities

Ar-Raqqa November 2023



**DISTRICT:** Ath-Thawrah  
**SUB-DISTRICT:** Mansura



**TOTAL POPULATION** 47788  
**PIN** 22040

## BAKERIES 12

### Bakery Status



### Reasons for Non-Operation

- Fire accident
- Machines need maintenance
- No financial liquidity

### Functionality

- Full 5 (45%)
- Partial 6 (55%)

### Ownership

- Public 0 (0%)
- Private 11 (92%)
- Mix 1 (8%)

## CURRENCY USED

USD 9%  
SYP 91%

## QUALITY CONTROL (LAB TESTING) N/A

### Bread Production

#### Daily Production (MT)



#### Price (SYP) /KG

250 - 350  
350 - 350  
4000 - 4000

Daily Production 25 MT  
Full Daily Capacity 84 MT

Current Productivity 30%

Daily Bread Needs of Total Population 16 MT

Subsidized Bread Availability to PIN 100%

Daily Bread Needs of PIN Population 7 MT

Average Subsidized Bread Package Weight 950g  
Average Unsubsidized Bread Package Weight 1000g

### Bakery Management

- Bakery Owner 6 (55%)
- Private Investor 5 (45%)
- Employee 0 (0%)
- LSA 0 (0%)
- Joint LSA 0 (0%)
- Committee 0 (0%)
- Other 0 (0%)

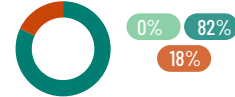
### Availability

● Always Available ● Fairly Available ● Not Available

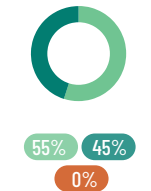
#### Bread



#### Local Flour



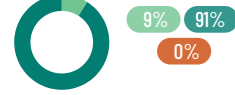
#### Imported Flour



#### Yeast



#### Fuel



### Support Status

Never Received Support 4 (36%)  
Used to Receive Support 0 (0%)  
Currently Receive Support 7 (64%)

#### Type of Support

Rehabilitation 0%  
Operational Support 0%  
Flour 50%  
Yeast 50%

#### Source of Support

NGO 0  
LSA 0  
Other 0

### Source and Price of Flour

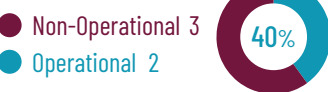
Imported Flour 360-380 \$/MT  
Local Flour 20-370 \$/MT

33% 67%

Trader 40%  
Mill 0%  
LSA 0%  
NGO 60%

## MILLS 5

### Mills Status



### Reasons for Non-Operation

- Fuel/Electricity Shortage
- High Operational Cost
- No Financial Liquidity

### Functionality

- Full 1 (50%)
- Partial 1 (50%)

### Ownership

- Public 0 (0%)
- Private 5 (100%)
- Mix 0 (0%)

### Reasons for Limited Functionality

- High Operational Cost
- No Financial Liquidity

Fuel/Electricity Shortage

## MILLS SOURCE OF WHEAT LSA

### Milling Capacity

Maximum Capacity 1000 MT  
Current Capacity 800 MT

Production Functionality 80%

### Market Actors Supplied by Mills

Bakeries Supplied 0  
Traders Supplied 0

## SILOS 2

### Silos Status



### Functionality

- Full 0 (0%)
- Partial 0 (0%)

### Reasons for Non-Operation

- Bombing and Shelling, Need for Building Rehabilitation, Need for Machine Rehabilitation

## SILOS SOURCE OF WHEAT

### Needed Support for Silos

Building Rehabilitation 0  
Machine Rehabilitation 0  
Estimated Cost of Machines and Rehabilitation \$0

### Silos Capacity

Silos Maximum Storage Capacity 0 MT

# Mapping of Wheat-to-Bread Processing Facilities

Aleppo November 2023



WHOLE OF SYRIA (WoS)  
FOOD SECURITY SECTOR  
Strengthening Humanitarian Response



DISTRICT: Menbij  
SUB-DISTRICT: Menbij



TOTAL POPULATION 305311  
PIN 188647

BAKERIES		N/A	CURRENCY USED	USD N/A%	SYP N/A%	QUALITY CONTROL (LAB TESTING)	N/A
<b>Bakery Status</b> ● Non-Operational 0 (0%) ● Operational 0 (0%) Reasons for Non-Operation: N/A, N/A, N/A		<b>Functionality</b> ● Full 0 (0%) ● Partial 0 (0%) <b>Ownership</b> ● Public 0 (0%) ● Private 0 (0%) ● Mix 0 (0%)	<b>Bread Production</b> Daily Production (MT) Subsidized Bread: N/A Unsubsidized Bread: N/A Tourist Bread: N/A Free Bread (NGO): N/A Others: N/A Price (SYP) /KG: N/A		Daily Production: N/A MT Full Daily Capacity: N/A MT Current Productivity: N/A% Daily Bread Needs of Total Population: 101 MT Subsidized Bread Availability to PIN: N/A% Daily Bread Needs of PIN Population: 62 MT		
<b>Bakery Management</b> Bakery Owner: N/A (0%) Private Investor: N/A (0%) Employee: N/A (0%) LSA: N/A (0%) Joint LSA: N/A (0%) Committee: N/A (0%) Other: N/A (0%)		<b>Availability</b> ● Always Available ● Fairly Available ● Not Available Bread: N/A% (Always), N/A% (Fairly), N/A% (Not) Local Flour: N/A% (Always), N/A% (Fairly), N/A% (Not) Imported Flour: N/A% (Always), N/A% (Fairly), N/A% (Not) Yeast: N/A% (Always), N/A% (Fairly), N/A% (Not) Fuel: N/A% (Always), N/A% (Fairly), N/A% (Not)		<b>Support Status</b> Never Received Support: N/A (0%) Used to Receive Support: N/A (0%) Currently Receive Support: N/A (0%) Type of Support: Rehabilitation (N/A%), Operational Support (N/A%), Flour (N/A%), Yeast (N/A%) Source of Support: NGO (N/A%), LSA (N/A%), Other (N/A%)		<b>Source and Price of Flour</b> Imported Flour: N/A \$/MT Local Flour: N/A \$/MT Trader: 0% Mill: 0% LSA: 0% NGO: 0%	

## MILLS 8

<b>Mills Status</b> ● Non-Operational 2 (25%) ● Operational 6 (75%) Reasons for Non-Operation: NA, NA, NA		<b>Functionality</b> ● Full 5 (83%) ● Partial 1 (17%) <b>Reasons for Limited Functionality</b> NA, NA, NA	<b>Ownership</b> ● Public 1 (12%) ● Private 7 (88%) ● Mix 0 (0%)
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## MILLS SOURCE OF WHEAT LSA

<b>Milling Capacity</b> Maximum Capacity: 1345 MT Current Capacity: 1795 MT Production Functionality: 133%		<b>Market Actors Supplied by Mills</b> Bakeries Supplied: 0 Traders Supplied: 0
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## SILOS 1

<b>Silos Status</b> ● Non-Operational 0 (0%) ● Operational 1 (100%) Functionality: ● Full 1 (100%) ● Partial 0 (0%) Ownership: ● Public 1 (100%) ● Private 0 (0%) Reasons for Non-Operation: NA, NA, NA		<b>Needed Support for Silos</b> Building Rehabilitation: 1 Machine Rehabilitation: 1 Estimated Cost of Machines and Rehabilitation: \$100000 <b>Silos Capacity</b> Silos Maximum Storage Capacity: 12000 MT
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# Mapping of Wheat-to-Bread Processing Facilities

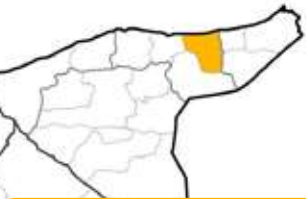
Al-Hasakeh November 2023



WHOLE OF SYRIA (WoS)  
FOOD SECURITY SECTOR  
Strengthening Humanitarian Response



DISTRICT: Quamishli  
SUB-DISTRICT: Qahtaniyyeh



TOTAL POPULATION 28401  
PIN 10487

<b>BAKERIES</b> 23	<b>CURRENCY USED</b> USD 0% SYP 100%	<b>QUALITY CONTROL (LAB TESTING)</b> N/A
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<b>Bakery Status</b> <ul style="list-style-type: none"> <li>Non-Operational 0</li> <li>Operational 23</li> </ul> <p>Reasons for Non-Operation: N/A, N/A, N/A</p>	<b>Functionality</b> <ul style="list-style-type: none"> <li>Full 15 (65%)</li> <li>Partial 8 (35%)</li> </ul>	<b>Ownership</b> <ul style="list-style-type: none"> <li>Public 0 (0%)</li> <li>Private 23 (100%)</li> <li>Mix 0 (0%)</li> </ul>	<b>Bread Production</b> <b>Daily Production (MT)</b> <ul style="list-style-type: none"> <li>Subsidized Bread 14</li> <li>Unsubsidized Bread 0</li> <li>Tourist Bread 0</li> <li>Free Bread (NGO) 0</li> <li>Others 0</li> </ul>	<b>Price (SYP) /KG</b> <ul style="list-style-type: none"> <li>Subsidized Bread 240 - 312</li> <li>Unsubsidized Bread N/A - N/A</li> <li>Tourist Bread N/A - N/A</li> </ul>	<b>Daily Production</b> 14 MT <b>Full Daily Capacity</b> 116 MT <b>Current Productivity</b> 12% <b>Daily Bread Needs of Total Population</b> 9 MT <b>Daily Bread Needs of PIN Population</b> 3 MT <b>Subsidized Bread Availability to PIN</b> 100%
			<b>Average Subsidized Bread Package Weight</b> 1117g <b>Average Unsubsidized Bread Package Weight</b> N/Ag		

**Bakery Management**

Bakery Owner	6 (26%)
Private Investor	17 (74%)
Employee	0 (0%)
LSA	0 (0%)
Joint LSA	0 (0%)
Committee	0 (0%)
Other	0 (0%)

**Availability**

Always Available (Green), Fairly Available (Dark Green), Not Available (Red)

<b>Bread</b> Always Available: 56% Fairly Available: 22% Not Available: 22%	<b>Local Flour</b> Always Available: 83% Fairly Available: 13% Not Available: 4%	<b>Imported Flour</b> Always Available: 61% Fairly Available: 26% Not Available: 13%
<b>Yeast</b> Always Available: 91% Fairly Available: 9% Not Available: 0%	<b>Fuel</b> Always Available: 100% Fairly Available: 0% Not Available: 0%	

**Support Status**

Never Received Support	21 (91%)
Used to Receive Support	0 (0%)
Currently Receive Support	2 (9%)

Type of Support	NGO	LSA	Other
Rehabilitation	0%	0	0
Operational Support	0%	0	0
Flour	100%	2	0
Yeast	0%	0	0

**Source and Price of Flour**

Imported Flour	400-450 \$/MT	0%
Local Flour	15-25 \$/MT	100%

Trader	0%
Mill	0%
LSA	100%
NGO	0%

**MILLS** 1

 **MILLS SOURCE OF WHEAT** LSA

 **SILOS** 2

 **SILOS SOURCE OF WHEAT** Farmers

**Mills Status**

Non-Operational 0	Operational 1	100%
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Reasons for Non-Operation: NA, NA, NA

<b>Functionality</b> <ul style="list-style-type: none"> <li>Full 1 (100%)</li> <li>Partial 0 (0%)</li> </ul>	<b>Reasons for Limited Functionality</b> NA, NA, NA
<b>Ownership</b> <ul style="list-style-type: none"> <li>Public 1 (100%)</li> <li>Private 0 (0%)</li> <li>Mix 0 (0%)</li> </ul>	

**Milling Capacity**

Maximum Capacity	400 MT
Current Capacity	400 MT

Production Functionality 100%

**Market Actors Supplied by Mills**

Bakeries Supplied	0
Traders Supplied	0

**Silos Status**

Non-Operational 0	Operational 2	100%
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<b>Functionality</b> <ul style="list-style-type: none"> <li>Full 2 (100%)</li> <li>Partial 0 (0%)</li> </ul>	<b>Ownership</b> <ul style="list-style-type: none"> <li>Public 2 (100%)</li> <li>Private 0 (0%)</li> </ul>
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Reasons for Non-Operation: NA, NA, NA

**Needed Support for Silos**

Building Rehabilitation	1
Machine Rehabilitation	2
Estimated Cost of Machines and Rehabilitation	\$ 15000

**Silos Capacity**

Silos Maximum Storage Capacity	24000 MT
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# Mapping of Wheat-to-Bread Processing Facilities

Al-Hasakeh November 2023



WHOLE OF SYRIA (WoS)  
FOOD SECURITY SECTOR  
Strengthening Humanitarian Response



DISTRICT: Quamishli  
SUB-DISTRICT: Quamishli



TOTAL POPULATION 347264  
PIN 146782

## BAKERIES 45

### Bakery Status



### Reasons for Non-Operation

- Fire accident
- Machines need maintenance
- N/A

### Functionality

- Full 24 (59%)
- Partial 17 (41%)

### Ownership

- Public 1 (3%)
- Private 15 (33%)
- Mix 29 (64%)

## CURRENCY USED

USD 0%

SYP 100%

## QUALITY CONTROL (LAB TESTING)

N/A

### Bread Production

#### Daily Production (MT)

- Subsidized Bread 22
- Unsubsidized Bread 38
- Tourist Bread 22
- Free Bread (NGO) 0
- Others 0

#### Price (SYP) /KG

- 273 - 273
- 231 - 417
- 2083 - 4167

Daily Production 83 MT  
Full Daily Capacity 197 MT

Current Productivity 42%

Daily Bread Needs of Total Population 115 MT

Subsidized Bread Availability to PIN 45%

Daily Bread Needs of PIN Population 48 MT

Average Subsidized Bread Package Weight 1100g

Average Unsubsidized Bread Package Weight 1147g

### Bakery Management

- Bakery Owner 37 (90%)
- Private Investor 3 (7%)
- Employee 0 (0%)
- LSA 1 (3%)
- Joint LSA 0 (0%)
- Committee 0 (0%)
- Other 0 (0%)

### Availability

● Always Available ● Fairly Available ● Not Available

#### Bread



#### Local Flour



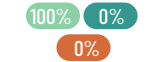
#### Imported Flour



#### Yeast



#### Fuel



### Support Status

Never Received Support 35 (86%)  
Used to Receive Support 1 (2%)  
Currently Receive Support 5 (12%)

#### Type of Support

- Rehabilitation 0%
- Operational Support 0%
- Flour 86%
- Yeast 14%

#### Source of Support

	NGO	LSA	Other
Rehabilitation	0	0	0
Operational Support	0	0	0
Flour	1	5	0
Yeast	1	0	0

### Source and Price of Flour

Imported Flour 225-450 \$/MT  
46%

Local Flour 13-500 \$/MT  
54%

Source	Imported Flour	Local Flour
Trader	100%	0%
Mill	0%	0%
LSA	0%	100%
NGO	0%	0%



## MILLS 5

### Mills Status

● Non-Operational 3  
● Operational 2



### Functionality

- Full 1 (50%)
- Partial 1 (50%)

### Reasons for Limited Functionality

- Need for Machine Rehabilitation
- Need for Building Rehabilitation
- No Financial Liquidity

### Ownership

- Public 2 (40%)
- Private 3 (60%)
- Mix 0 (0%)

- Need for Building Rehabilitation
- Need for Machine Rehabilitation
- Need for Machine Rehabilitation



## MILLS SOURCE OF WHEAT LSA

### Milling Capacity

Maximum Capacity 905 MT  
Current Capacity 755 MT

Production Functionality 83%

### Market Actors Supplied by Mills

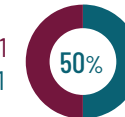
Bakeries Supplied 11  
Traders Supplied 0



## SILOS 2

### Silos Status

● Non-Operational 1  
● Operational 1



### Functionality

- Full 1 (100%)
- Partial 0 (0%)

### Ownership

- Public 2 (100%)
- Private 0 (0%)

### Reasons for Non-Operation

- Need for Building Rehabilitation,
- Need for Machine Rehabilitation,
- Security Challenges



## SILOS SOURCE OF WHEAT Farmers, Traders

### Needed Support for Silos

Building Rehabilitation 1  
Machine Rehabilitation 1  
Estimated Cost of Machines and Rehabilitation \$ 230000

### Silos Capacity

Silos Maximum Storage Capacity 90000 MT

# Mapping of Wheat-to-Bread Processing Facilities

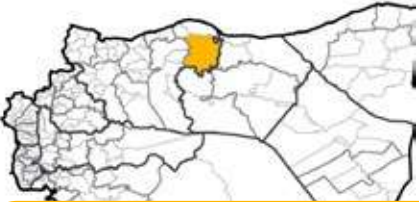
Aleppo November 2023



WHOLE OF SYRIA (WoS)  
FOOD SECURITY SECTOR  
Strengthening Humanitarian Response



DISTRICT: Ain Al Arab  
SUB-DISTRICT: Sarin



TOTAL POPULATION 50158  
PIN 33891

<b>BAKERIES</b> 12	<b>CURRENCY USED</b> USD 0% SYP 100%	<b>QUALITY CONTROL (LAB TESTING)</b> N/A
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<b>Bakery Status</b> ● Non-Operational 1 ● Operational 11 <b>92%</b>	<b>Functionality</b> ● Full 1 (9%) ● Partial 10 (91%)	<b>Bread Production</b> <b>Daily Production (MT)</b> Subsidized Bread 50 Unsubsidized Bread 0 Tourist Bread 0 Free Bread (NGO) 0 Others 0	<b>Price (SYP) /KG</b> 381 - 455 N/A - N/A N/A - N/A	<b>Daily Production</b> 50 MT <b>Full Daily Capacity</b> 122 MT <b>Current Productivity</b> 41%
<b>Reasons for Non-Operation</b> N/A N/A N/A	<b>Ownership</b> ● Public 1 (8%) ● Private 5 (42%) ● Mix 6 (50%)	<b>Average Subsidized Bread Package Weight</b> 1073g <b>Average Unsubsidized Bread Package Weight</b> N/Ag		<b>Daily Bread Needs of Total Population</b> 17 MT <b>Subsidized Bread Availability to PIN</b> 100%

**Bakery Management**

Bakery Owner	8 (73%)
Private Investor	0 (0%)
Employee	3 (27%)
LSA	0 (0%)
Joint LSA	0 (0%)
Committee	0 (0%)
Other	0 (0%)

**Availability**

● Always Available ● Fairly Available ● Not Available

<b>Bread</b>	100% Always Available, 0% Fairly Available, 0% Not Available
<b>Local Flour</b>	100% Always Available, 0% Fairly Available, 0% Not Available
<b>Imported Flour</b>	45% Always Available, 45% Fairly Available, 10% Not Available
<b>Yeast</b>	100% Always Available, 0% Fairly Available, 0% Not Available
<b>Fuel</b>	100% Always Available, 0% Fairly Available, 0% Not Available

**Support Status**

Never Received Support	0 (0%)
Used to Receive Support	0 (0%)
Currently Receive Support	11 (100%)

Type of Support	Value	Source of Support	NGO	LSA	Other
Rehabilitation	0%		0	0	0
Operational Support	4%		0	1	0
Flour	48%		0	11	0
Yeast	48%		0	11	0

**Source and Price of Flour**

Imported Flour	400-515 \$/MT	0%
Local Flour	10-400 \$/MT	100%

Trader	0%
Mill	0%
LSA	0%
NGO	0%

**MILLS** 1

**MILLS SOURCE OF WHEAT** LSA

**SILOS** 2

**SILOS SOURCE OF WHEAT** Farmers

**Mills Status**

● Non-Operational 0	● Operational 1	<b>100%</b>
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<b>Functionality</b>	● Full 1 (100%) ● Partial 0 (0%)
<b>Reasons for Limited Functionality</b>	NA
<b>Ownership</b>	● Public 0 (0%) ● Private 1 (100%) ● Mix 0 (0%)

**Milling Capacity**

Maximum Capacity	224 MT
Current Capacity	200 MT

**Production Functionality** 89%

**Market Actors Supplied by Mills**

Bakeries Supplied	0
Traders Supplied	0

**Silos Status**

● Non-Operational 0	● Operational 2	<b>100%</b>
---------------------	-----------------	-------------

<b>Functionality</b>	● Full 1 (50%) ● Partial 1 (50%)
<b>Ownership</b>	● Public 2 (100%) ● Private 0 (0%)
<b>Reasons for Non-Operation</b>	NA, NA, NA

**Needed Support for Silos**

Building Rehabilitation	0
Machine Rehabilitation	2
Estimated Cost of Machines and Rehabilitation	\$ 21000

**Silos Capacity**

Silos Maximum Storage Capacity	22500 MT
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# Mapping of Wheat-to-Bread Processing Facilities

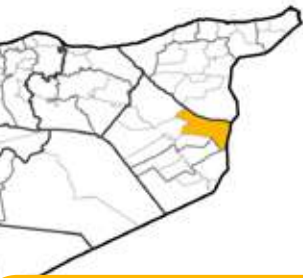
Deir-ez-Zor November 2023



WHOLE OF SYRIA (WoS)  
FOOD SECURITY SECTOR  
Strengthening Humanitarian Response



DISTRICT: Deir-ez-Zor  
SUB-DISTRICT: Sur



TOTAL POPULATION 38267  
PIN 9812

<b>BAKERIES</b> 23	<b>CURRENCY USED</b> USD 0% SYP 100%	<b>QUALITY CONTROL (LAB TESTING)</b> N/A
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<b>Bakery Status</b> <ul style="list-style-type: none"> <li>Non-Operational 3</li> <li>Operational 20</li> </ul> <p>87%</p> <b>Reasons for Non-Operation</b> High operational cost Security challenges N/A	<b>Functionality</b> <ul style="list-style-type: none"> <li>Full 0 (0%)</li> <li>Partial 20 (100%)</li> </ul> <b>Ownership</b> <ul style="list-style-type: none"> <li>Public 3 (13%)</li> <li>Private 20 (87%)</li> <li>Mix 0 (0%)</li> </ul>	<b>Bread Production</b> <b>Daily Production (MT)</b> Subsidized Bread 19 Unsubsidized Bread 1 Tourist Bread 0 Free Bread (NGO) 0 Others 0	<b>Price (SYP) /KG</b> Subsidized Bread 228 - 285 Unsubsidized Bread 500 - 500 Tourist Bread N/A - N/A Free Bread (NGO) N/A - N/A Others N/A - N/A	<b>Daily Production</b> 20 MT <b>Full Daily Capacity</b> 133 MT <b>Daily Bread Needs of Total Population</b> 13 MT <b>Daily Bread Needs of PIN Population</b> 3 MT	<b>Current Productivity</b> 15% <b>Subsidized Bread Availability to PIN</b> 100%
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**Bakery Management**  

Bakery Owner	17 (85%)
Private Investor	3 (15%)
Employee	0 (0%)
LSA	0 (0%)
Joint LSA	0 (0%)
Committee	0 (0%)
Other	0 (0%)

**Availability**  

Always Available (Green) Fairly Available (Dark Green) Not Available (Red)

<b>Bread</b> Always Available: 30% Fairly Available: 70% Not Available: 0%	<b>Local Flour</b> Always Available: 60% Fairly Available: 10% Not Available: 30%	<b>Imported Flour</b> Always Available: 60% Fairly Available: 10% Not Available: 30%
<b>Yeast</b> Always Available: 60% Fairly Available: 10% Not Available: 30%	<b>Fuel</b> Always Available: 90% Fairly Available: 10% Not Available: 0%	

**Support Status**  

Never Received Support	0 (0%)
Used to Receive Support	0 (0%)
Currently Receive Support	20 (100%)

Type of Support	NGO	LSA	Other
Rehabilitation	0%	0	0
Operational Support	0%	0	0
Flour	100%	0	20
Yeast	0%	0	0

**Source and Price of Flour**  

Imported Flour	450-490 \$/MT	Local Flour	287-350 \$/MT
0%		100%	

Trader	0%	0%
Mill	0%	0%
LSA	0%	100%
NGO	0%	0%

## MILLS 11

**Mills Status**  

- Non-Operational 6
- Operational 5

45%

**Reasons for Non-Operation**  
 High Operational Cost  
 Fuel/Electricity Shortage  
 High Operational Cost
 
 **Functionality**   - Full 3 (60%) - Partial 2 (40%)  **Ownership**   - Public 0 (0%) - Private 11 (100%) - Mix 0 (0%) | **Reasons for Limited Functionality**   Fuel/Electricity Shortage   Wheat Shortage   High Operational Cost |

## MILLS SOURCE OF WHEAT Farmers

**Milling Capacity**  

Maximum Capacity	132 MT
Current Capacity	171 MT

Production Functionality 130%

**Market Actors Supplied by Mills**  

Bakeries Supplied	0
Traders Supplied	0

## SILOS 1

**Silos Status**  

- Non-Operational 1
- Operational 0

100%

**Functionality**  

- Full 0 (0%)
- Partial 0 (0%)

**Ownership**  

- Public 1 (100%)
- Private 0 (0%)

**Reasons for Non-Operation**  
 Bombing and Shelling, Theft Incident, Need for Building Rehabilitation
 

## SILOS SOURCE OF WHEAT

**Needed Support for Silos**  

Building Rehabilitation	0
Machine Rehabilitation	0
Estimated Cost of Machines and Rehabilitation	\$ 0

**Silos Capacity**  

Silos Maximum Storage Capacity	0 MT
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# Mapping of Wheat-to-Bread Processing Facilities

Deir-ez-Zor November 2023



WHOLE OF SYRIA (WoS)  
FOOD SECURITY SECTOR  
Strengthening Humanitarian Response



DISTRICT: Abu Kamal  
SUB-DISTRICT: Susat



TOTAL POPULATION 32946  
PIN 18947

BAKERIES 13		CURRENCY USED	USD 0%	SYP 100%	QUALITY CONTROL (LAB TESTING)	N/A	
<b>Bakery Status</b> ● Non-Operational 0 ● Operational 13 100% <b>Reasons for Non-Operation</b> N/A N/A N/A		<b>Functionality</b> ● Full 0 (0%) ● Partial 13 (100%) <b>Ownership</b> ● Public 0 (0%) ● Private 13 (100%) ● Mix 0 (0%)		<b>Bread Production</b> Daily Production (MT) Subsidized Bread 14 Unsubsidized Bread 0 Tourist Bread 0 Free Bread (NGO) 0 Others 0 Price (SYP) /KG Subsidized Bread 333 - 333 Unsubsidized Bread N/A - N/A Tourist Bread N/A - N/A Average Subsidized Bread Package Weight 1200g Average Unsubsidized Bread Package Weight N/Ag		Daily Production 14 MT Full Daily Capacity 40 MT Current Productivity 35% Daily Bread Needs of Total Population 11 MT Subsidized Bread Availability to PIN 100% Daily Bread Needs of PIN Population 6 MT	
<b>Bakery Management</b> Bakery Owner 12 (92%) Private Investor 1 (8%) Employee 0 (0%) LSA 0 (0%) Joint LSA 0 (0%) Committee 0 (0%) Other 0 (0%)		<b>Availability</b> ● Always Available ● Fairly Available ● Not Available Bread 100% Always Available, 0% Fairly Available, 0% Not Available Local Flour 100% Always Available, 0% Fairly Available, 0% Not Available Imported Flour 15% Always Available, 85% Fairly Available, 0% Not Available Yeast 100% Always Available, 0% Fairly Available, 0% Not Available Fuel 100% Always Available, 0% Fairly Available, 0% Not Available		<b>Support Status</b> Never Received Support 0 (0%) Used to Receive Support 0 (0%) Currently Receive Support 13 (100%) Type of Support: Rehabilitation 0%, Operational Support 0%, Flour 100%, Yeast 0% Source of Support: NGO 0, LSA 13, Other 0		<b>Source and Price of Flour</b> Imported Flour 420-450 \$/MT, Local Flour 10-350 \$/MT 0% Imported, 100% Local Trader 0%, Mill 0%, LSA 100%, NGO 0%	

MILLS NA		MILLS SOURCE OF WHEAT NA	SILOS NA	SILOS SOURCE OF WHEAT NA			
<b>Mills Status</b> ● Non-Operational NA ● Operational NA <b>Reasons for Non-Operation</b> NA NA NA		<b>Milling Capacity</b> Maximum Capacity NA MT Current Capacity NA MT Production Functionality NA% <b>Market Actors Supplied by Mills</b> Bakeries Supplied NA Traders Supplied NA		<b>Silos Status</b> ● Non-Operational NA ● Operational NA <b>Functionality</b> ● Full NA (0%) ● Partial NA (0%) <b>Ownership</b> ● Public NA (%) ● Private NA (%) <b>Reasons for Non-Operation</b> NA		<b>Needed Support for Silos</b> Building Rehabilitation NA Machine Rehabilitation NA Estimated Cost of Machines and Rehabilitation \$ NA <b>Silos Capacity</b> Silos Maximum Storage Capacity NA MT	

# Mapping of Wheat-to-Bread Processing Facilities

Al-Hasakeh November 2023



WHOLE OF SYRIA (WoS)  
FOOD SECURITY SECTOR  
Strengthening Humanitarian Response



DISTRICT: Al-Malikeyyeh  
SUB-DISTRICT: Ya'robiyah



TOTAL POPULATION 27718  
PIN 26458

<b>BAKERIES</b> 16	<b>CURRENCY USED</b> USD 0% SYP 100%	<b>QUALITY CONTROL (LAB TESTING)</b> N/A
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<b>Bakery Status</b> <ul style="list-style-type: none"> <li>Non-Operational 1</li> <li>Operational 15</li> </ul> <p>94%</p> <b>Reasons for Non-Operation</b> Lack of access to support No financial liquidity Low availability of raw materials	<b>Functionality</b> <ul style="list-style-type: none"> <li>Full 2 (13%)</li> <li>Partial 13 (87%)</li> </ul> <b>Ownership</b> <ul style="list-style-type: none"> <li>Public 1 (6%)</li> <li>Private 15 (94%)</li> <li>Mix 0 (0%)</li> </ul>	<b>Bread Production</b> <b>Daily Production (MT)</b> Subsidized Bread 15 Unsubsidized Bread 0 Tourist Bread 0 Free Bread (NGO) 1 Others 1	<b>Price (SYP) /KG</b> 250 - 500 N/A - N/A N/A - N/A	<b>Daily Production</b> 17 MT <b>Full Daily Capacity</b> 54 MT <b>Daily Bread Needs of Total Population</b> 9 MT <b>Daily Bread Needs of PIN Population</b> 9 MT	<b>Current Productivity</b> 31% <b>Subsidized Bread Availability to PIN</b> 100%
<b>Average Subsidized Bread Package Weight</b> 1379g <b>Average Unsubsidized Bread Package Weight</b> N/Ag					

**Bakery Management**

Bakery Owner	11 (73%)
Private Investor	2 (13%)
Employee	1 (7%)
LSA	1 (7%)
Joint LSA	0 (0%)
Committee	0 (0%)
Other	0 (0%)

**Availability** ● Always Available ● Fairly Available ● Not Available

<b>Bread</b> 0% Always Available, 100% Fairly Available, 0% Not Available	<b>Local Flour</b> 13% Always Available, 87% Fairly Available, 0% Not Available	<b>Imported Flour</b> 40% Always Available, 53% Fairly Available, 7% Not Available
<b>Yeast</b> 100% Always Available, 0% Fairly Available, 0% Not Available	<b>Fuel</b> 93% Always Available, 7% Fairly Available, 0% Not Available	

**Support Status**

Never Received Support	1 (7%)
Used to Receive Support	0 (0%)
Currently Receive Support	14 (93%)

Type of Support	Percentage	NGO	LSA	Other
Rehabilitation	5%	0	1	0
Operational Support	5%	0	1	0
Flour	76%	2	14	0
Yeast	14%	2	1	0

**Source and Price of Flour**

Imported Flour	430-500 \$/MT	21%
Local Flour	13-27 \$/MT	79%

Trader	33%	0%
Mill	0%	0%
LSA	0%	100%
NGO	67%	0%

## MILLS 12

**Mills Status**

- Non-Operational 7
- Operational 5

42%

**Reasons for Non-Operation**  
 Wheat Shortage  
 High Operational Cost  
 No Financial Liquidity

**Functionality**  

- Full 0 (0%)
- Partial 5 (100%)

**Reasons for Limited Functionality**  
 Wheat Shortage  
 Need for Machine Rehabilitation  
 High Operational Cost

**Ownership**  

- Public 1 (8%)
- Private 11 (92%)
- Mix 0 (0%)

## MILLS SOURCE OF WHEAT Traders

**Milling Capacity**  
 Maximum Capacity 235 MT  
 Current Capacity 96 MT

**Production Functionality** 41%

**Market Actors Supplied by Mills**  
 Bakeries Supplied 0  
 Traders Supplied 0

## SILOS 3

**Silos Status**  

- Non-Operational 2
- Operational 1

33%

**Functionality**  

- Full 1 (100%)
- Partial 0 (0%)

**Ownership**  

- Public 3 (100%)
- Private 0 (0%)

**Reasons for Non-Operation**  
 Wheat Shortage, Need for Building Rehabilitation, Need for Building Rehabilitation

## SILOS SOURCE OF WHEAT Farmers, Traders Agricultural Development Company

**Needed Support for Silos**  
 Building Rehabilitation 1  
 Machine Rehabilitation 1  
 Estimated Cost of Machines and Rehabilitation \$ 7000

**Silos Capacity**  
 Silos Maximum Storage Capacity 110 MT