

Wheat-to-Bread Processing Facilities Mapping

STUDY FOR NORTHWEST SYRIA APRIL 2022



Introduction

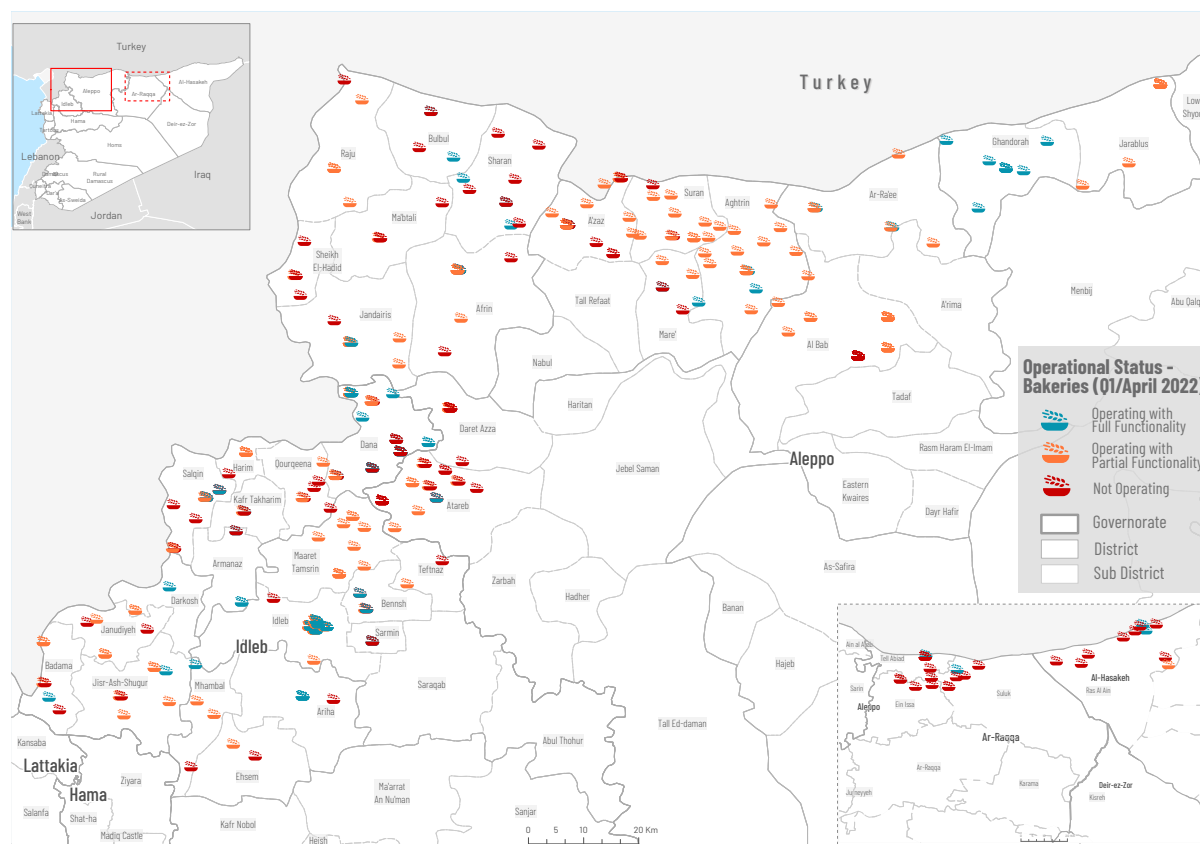
To keep the bread support programs in Northwest Syria (NWS) up-to-date, iMMAP, in collaboration with the BHA partners, Food Security and Livelihood (FSL) Cluster teams, IPs in the southern Turkey hub and the Bread and Bakery Technical Working Group (BBTWG), conducts a regular mapping and monitoring exercise for the public and private processing and production facilities in the wheat-flour to bread value chain in NWS. This exercise aims to:

- Assess the capacity and functionality of wheat-flour to bread processing facilities in NWS (including Afrin, Peace Spring area and Euphrates Shield area).
- Assess accessibility, affordability, and prices of flour/bread in NWS.
- Identify existing gaps in bread production in NWS to meet the bread needs of the local population
- Identify the main production barriers and needed support to fill this gap.
- Map wheat-flour to bread value chain actors, plans and achievements in NWS

Provide a clear end-to-end view of the bread supply chain in NWS. The seventh round of the Wheat-flour to bread processing facilities mapping exercise in NWS was conducted in, March-April 2022. iMMAP's data collection partner and 17 BBTWG member partners conducted the data collection. Thirty-nine sub-districts were covered across 4 governorates: 18 sub-districts in Idlib governorate, 17 sub-districts in Aleppo governorate, 3 in Ar-Raqqa governorate, and 1 in Al-Hasakeh governorate. The data collection team was not able to reach Arima subdistrict in Aleppo governorate. The total number of assessed facilities was 443 wheat-flour to bread processing facilities that were mapped in NWS; 394 are bakeries, 38 are mills, and 11 are silos.

Key Findings

The percentage of reported operating bakeries was 64% (n=254) of all assessed bakeries, where 83% were private bakeries, 14% were publicly owned bakeries, and 3% had joint ownership (public and private). Compared to the previous round in Q4, 2021, the percent of operational bakeries decreased by 8%. The main reported reasons for closure were related to high competition, high operational cost, and no access to support. In Al-Hasakeh governorate, there were reported closure reasons attributed to displacement. Atareb and Al-Bab subdistricts recorded the highest number of non-operational bakeries (18 and 12 respectively) where 83% of these bakeries were privately owned. On the other hand, 61% of the mapped mills (n=23) reported that they were operational of which 74% are privately owned, and 3 out of 4 mapped silos reported that they were operational.



Map 1: Bakeries Operational Status in NWS, April 2022

Wheat-to-Bread Processing Facilities Mapping

STUDY FOR NORTHWEST SYRIA APRIL 2022

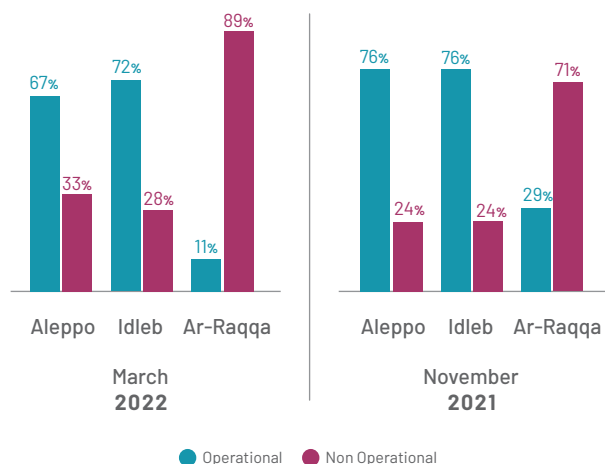


Figure 1: Operational Status

- Bread availability in NWS was still not meeting the local standard of minimum bread quantity needs and had decreased compared to Q4 2021.

The individual daily portion of produced bread (all types of bread) in NWS was limited to 215.3g, representing only 65% of the local standard minimum daily needs of bread (330g) per individual. Compared to the last round of Q4 2021, the individual daily portion of produced bread decreased by 2% which was 220g/individual. The situation in Al-Hasakeh (Ras Al Ain subdistrict) and Idleb governorates were the worst across the assessed governorates in NWS where the individual daily portion of bread were limited to 52g, 169g respectively (16%, and 51% of the local minimum daily needs of bread per person), thwas was followed by Ar-Raqqa governorate with 190g (58% of the local minimum daily needs of bread per person), and Aleppo governorate recorded the highest individual daily portion of bread with 304g (92% of the local minimum daily needs of bread per person).

The reasons behind the low individual daily portion, can be attributed to high operational cost, lack of access to support, and need for machine maintenance as reported by bakeries that were not operating at 100% capacity. Or thwas can be related to the low number of bakeries at subdistrict level, that were not able to cover the demand of the population.

- Subsidized bread in NWS covered 31 percent of the individual's local standard of minimum bread quantity needs.

Although bread was reported to be relatively available in NWS, and the percent of individual daily portion of subsidized bread was higher than Q4, 2021, the access and affordability of bread remained a challenge for vulnerable people in NWS. Only 48 percent of the total produced bread was subsidized, thwas means that individual daily portion of subsidized bread was limited to 103g (31% of the local minimum daily needs of bread per person). At governorate level, Al-Hasakeh (Ras Al Ain subdistrict) and Idleb governorates recorded the lowest access to subsidized bread where the individual daily portion of subsidized bread were 40g, and 48g respectively (12%, and 14.5% of the local minimum daily needs of bread per person), followed by Ar-Raqqa governorate with 190g as the individual daily portion of subsidized bread (58% of the local minimum daily needs of bread per person). Aleppo governorate recorded the highest access to subsidized bread where the individual daily portion of subsidized bread was 197g (60% of the local minimum daily needs of bread per person). The high individual portion in Aleppo mainly came from the North Aleppo region where the individual daily portion of subsidized bread reached 309 g (94% of the local minimum daily needs).

- The quantity of produced bread in NWS slightly decreased by 1 percent in Q1, 2022.

The quantity of total produced bread in NWS recorded a slight decrease of 1% which was equivalent to 55 MT/week, when compared to Q4, 2021 (the calculation excludes Al-Hasakeh governorate which was not covered in the last round). The decrease in production was linked to the high operational cost, and continuous increase of flour and fuel. The total recorded production in Q1, 2022 was 6,976 MT/week; with 3,419 MT/week in Aleppo, 3,373 MT/week in Idleb governorate 23, 161 MT/week in Ar-Raqqa governorate, and 23MT/week in Al-Hasakeh (Ras Al Ain subdistrict).

- Increase in free-bread distribution programs in NWS in Q1, 2022, after it had witnessed a significant decrease in Q4, 2021.

Compared to the previous round, Q4 2021, NGOs in NWS thwas round Q1, 2022 increased the quantity of free bread by 48% (from 441 MT/week to 651 MT/Week). Despite the increase compared to Q4, 2021, the quantity of free bread remained lower when compared to Q2 2021, where it had reached 838 MT/week. Moreover, the production of free bread was absent in Al-Raqqah governorate and Al-Hasakeh (Ras Al Ain subdistrict).

Wheat-to-Bread Processing Facilities Mapping

STUDY FOR NORTHWEST SYRIA APRIL 2022



- **Overall alarming increase in bread and flour prices in NWS in Q1, 2022.**

The average reported selling price of 1 kg of subsidized bread in NWS in Q1, 2022 increased by 43% and reached 2.86 TRY/kg whereas it was 2 TRY/kg in the previous round, Q4, 2021. The average reported selling price of 1 kg of unsubsidized bread in NWS was 8.3 TRY/kg which increased by 60% compared to Q4 2021 (5 TRY/kg). Locally milled flour and imported flour prices continued to increase in NWS between Q1, 2022 and Q4 2021. Locally milled flour prices increased from 376 USD/MT in Q4 2021 to 455 USD/MT in Q1 2022 and imported flour price increased from 421 USD/MT in Q4 2021 to 505 USD/MT in Q1 2022.

- **The availability of local wheat grain and locally milled flour remained a huge challenge in NWS.**

Many bakeries (n=174) reported limited availability of locally milled flour, representing 68.5% of the assessed bakeries. Overall, in NWS, the main reported reason behind the limited availability of local flour throughout the year was the climate induced aridity-induced shock on wheat output production. The low levels of rainfall and water scarcity in North Syria negatively affected wheat production, and in turn, this led to a negative supply shock of wheat grain and flour to the bread production bakeries.

- **Mills' capacity remained not fully utilized.**

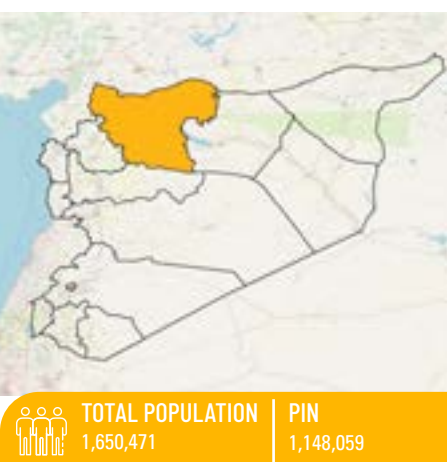
The maximum reported weekly wheat grain to flour milling capacity of all operated mills in NWS was 4,728 MT in Q1, 2022, whereas the actual reported weekly milling capacity of all operated mills in NWS was 3,548.5 MT. On average, the mills' functionality stood at 75% across the assessed operational mills across the NWS region. The actual milling capacity covered 81% of the flour quantity used by local bakeries, however only 9% of flour used by assessed bakeries in NWS was locally produced. This finding can be linked to the availability finding in the previous paragraph where majority of bakeries reported low availability of locally milled flour, leaving bakery owners with limited flour choices.

Mapping of Wheat-to-Bread Processing Facilities

Aleppo April 2022



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



BAKERIES

214

Bakery Status



Reasons for Non-Operation

Competition
High Operational Cost
No Access to Support

Functionality

● Full 28 (20%)
● Partial 115 (80%)

Ownership

● Public 19 (9%)
● Private 183 (88%)
● Mix 6 (3%)



CURRENCY USED

USD 4%

TL 88%

SYP 8%

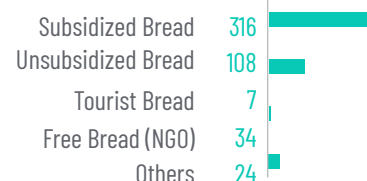


QUALITY CONTROL (LAB TESTING)

34

Bread Production

Daily Production (MT)



Price (TL) /KG

1-9
6-10
7-18

Daily Production 488 MT

Full Daily Capacity 1,425 MT

Current Productivity



Daily Bread Needs of Total Population 545 MT

Subsidized Bread Availability to PIN



Daily Bread Needs of PIN Population 379 MT

Average Subsidized Bread Package Weight 738g

Average Unsubsidized Bread Package Weight 622g

Bakery Management

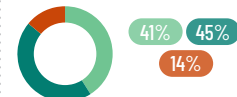
Availability

● Always Available ● Fairly Available ● Not Available

Bread



Local Flour



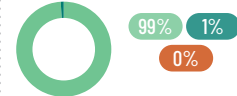
Imported Flour



Yeast



Fuel



Support Status

Never Received Support 13 (9%)
Used to Receive Support 16 (11%)
Currently Receive Support 114 (80%)

Type of Support

Rehabilitation 5%
Operational Support 5%
Flour 79%
Yeast 11%

Source of Support

NGO 2 4 0
LC 4 4 0
AFAD 30 65 15
17 4 0

Source and Price of Flour

Imported Flour 450-570 \$/MT
84%

Local Flour 285-585 \$/MT
15%

Trader 47%
Mill 0%
LC 21%
NGO 8%
AFAD 24%

16%
0%
48%
2%
0%



MILLS

12



MILLS SOURCE OF WHEAT

Farmers, NGOs, Traders, LC



SILOS

4



SILOS SOURCE OF WHEAT

Farmers, Traders

Mills Status



Reasons for Non-Operation

Wheat Shortage
High Operational Cost

Functionality

● Full 2 (33%)
● Partial 4 (67%)

Ownership

● Public 7 (54%)
● Private 6 (46%)
● Mix 0 (0%)

Reasons for Limited Functionality

Wheat Shortage and High Operational Cost
High Operational Cost

N/A



MILLS SOURCE OF WHEAT

Farmers, NGOs, Traders, LC

Milling Capacity

Maximum Capacity 2,545 MT
Current Capacity 2,080 MT

Production Functionality 82%

Market Actors Supplied by Mills

Bakeries Supplied 115
Traders Supplied 16



SILOS

4

Silos Status



Functionality

● Full 1 (50%)
● Partial 1 (50%)

Reasons for Non-Operation

Wheat and Fuel Shortage, Need for Building Rehabilitation

Ownership

● Public 4 (100%)
● Private 0 (0%)

Needed Support for Silos

Building Rehabilitation 2
Machine Rehabilitation 1
Estimated Cost of Machines and Rehabilitation \$10,000

Silos Capacity

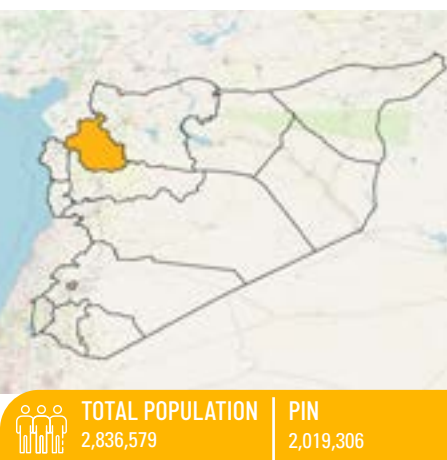
Silos Maximum Storage Capacity 25,000 MT

Mapping of Wheat-to-Bread Processing Facilities

Idleb April 2022



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



BAKERIES

147

Bakery Status



Reasons for Non-Operation

No Access to Support
High Operational Cost
Need for Machine and Building Rehabilitation

Functionality

● Full 52 (49%)
● Partial 54 (51%)

Ownership

● Public 26 (19%)
● Private 108 (79%)
● Mix 3 (2%)



CURRENCY USED

USD 5%

TL 95%

SYP 0%



QUALITY CONTROL (LAB TESTING)

86

Bread Production

Daily Production (MT)

Subsidized Bread 136
Unsubsidized Bread 277
Tourist Bread 10
Free Bread (NGO) 59
Others 0

Price (TL) /KG

4-8
1-8
8-8

Daily Production 482 MT
Full Daily Capacity 8,697 MT

Current Productivity 6%



Daily Bread Needs of Total Population 936 MT

Subsidized Bread Availability to PIN



Daily Bread Needs of PIN Population 666 MT

Average Subsidized Bread Package Weight 800g

Average Unsubsidized Bread Package Weight 1151g

Bakery Management

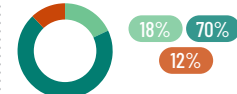
Availability

● Always Available ● Fairly Available ● Not Available

Bread



Local Flour



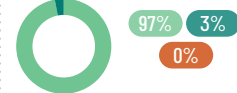
Imported Flour



Yeast



Fuel



Support Status

Never Received Support 58 (55%)
Used to Receive Support 10 (9%)
Currently Receive Support 38 (36%)

Type of Support

Rehabilitation 2%
Operational Support 5%
Flour 55%
Yeast 38%

Source of Support

NGO LC AFAD
0 0 2
2 0 2
36 3 6
29 0 3

Source and Price of Flour

Imported Flour 460-580 \$/MT
97%

Local Flour 325-550 \$/MT
3%

Trader 84%
Mill 0%
LC 1%
NGO 12%
AFAD 0%

58%
42%
0%
0%
0%



MILLS

8

Mills Status

Functionality

● Full 3 (60%)
● Partial 2 (40%)

Reasons for Limited Functionality

Wheat Shortage

High Operational Cost

N/A

Ownership

● Public 2 (15%)
● Private 11 (85%)
● Mix 0 (0%)



MILLS SOURCE OF WHEAT

Farmers, Traders

Milling Capacity

Maximum Capacity 1,720 MT
Current Capacity 1,040 MT

Production Functionality 60%

Market Actors Supplied by Mills

Bakeries Supplied 61
Traders Supplied 35



SILOS

1



SILOS SOURCE OF WHEAT

Farmers

Silos Status

● Non-Operational 0
● Operational 1

Functionality

● Full 0 (0%)
● Partial 1 (100%)

Reasons for Non-Operation N/A

Ownership

● Public 1 (100%)
● Private 0 (0%)

Needed Support for Silos

Building Rehabilitation 1
Machine Rehabilitation 1

Estimated Cost of Machines and Rehabilitation \$120,000

Silos Capacity

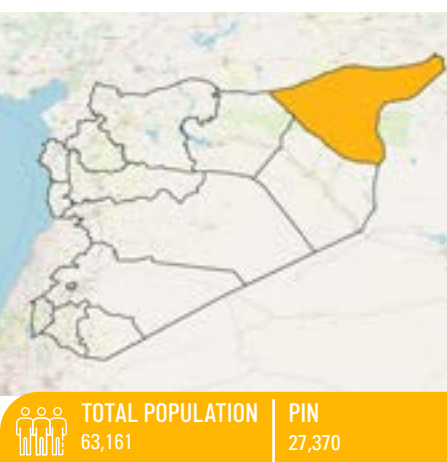
Silos Maximum Storage Capacity 110,000 MT

Mapping of Wheat-to-Bread Processing Facilities

Al-Hasakeh April 2022



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



BAKERIES

15

Bakery Status



Reasons for Non-Operation

High Operational Cost
No Financial Liquidity
Displacement

Functionality

● Full 2 (67%)
● Partial 1 (33%)

Ownership

● Public 3 (20%)
● Private 12 (80%)
● Mix 0 (0%)



CURRENCY USED

USD 0%

TL 33%

SYP 67%



QUALITY CONTROL
(LAB TESTING)

0

Bread Production

Daily Production (MT)

Subsidized Bread 3
Unsubsidized Bread 0
Tourist Bread 0
Free Bread (NGO) 0
Others 0

Price (TL) /KG

2-2

5-6

1-1

Average Subsidized Bread Package Weight 1,200g

Average Unsubsidized Bread Package Weight 725g

Daily Production 3 MT

Full Daily Capacity 43 MT

Current Productivity 7%



Daily Bread Needs of Total Population 21 MT

Daily Bread Needs of PIN Population 9 MT

Subsidized Bread Availability to PIN



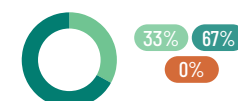
28%

Bakery Management

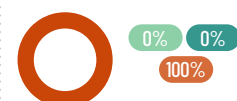
Availability

● Always Available ● Fairly Available ● Not Available

Bread



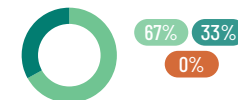
Local Flour



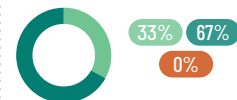
Imported Flour



Yeast



Fuel



Support Status

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

Type of Support

Rehabilitation 0%
Operational Support 25%
Flour 50%
Yeast 25%

Source of Support

NGO LC AFAD
0 0 0
0 1 0
0 0 0
0 1 0

Source and Price of Flour

Imported Flour 325-400 \$/MT
100%

Local Flour N/A-N/A \$/MT
0%

Trader 0%
Mill 0%
LC 33%
NGO 0%
AFAD 67%



MILLS

13

Mills Status



Reasons for Non-Operation

Wheat and Fuel Shortage
Need for Machine Rehabilitation

Functionality

● Full 1 (14%)
● Partial 6 (86%)

Ownership

● Public 1 (8%)
● Private 12 (92%)
● Mix 0 (0%)

Reasons for Limited Functionality

Wheat and Fuel Shortage
Water Shortage

High Operational Cost



MILLS SOURCE OF WHEAT

Farmers, Traders

Milling Capacity

Maximum Capacity 97 MT
Current Capacity 64.5 MT

Production Functionality 66%

Market Actors Supplied by Mills

Bakeries Supplied 0
Traders Supplied 0



SILOS

7

Silos Status



Functionality

● Full 0 (0%)
● Partial 0 (0%)

Ownership

● Public 6 (86%)
● Private 0 (0%)

Reasons for Non-Operation
Need for Building Rehabilitation



SILOS SOURCE OF WHEAT 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

Ar-Raqqa April 2022



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



 <p>TOTAL POPULATION 120,893</p> <p>PIN 45,085</p>	<div> <div>BAKERIES</div> <div>18</div> </div> <div> <div>Bakery Status</div> <div> <div>Non-Operational 16</div> <div>Operational 2</div> <div>11%</div> </div> <div> <div>Reasons for Non-Operation</div> <div>No Access to Support</div> <div>High Operational Cost</div> <div>Competition</div> </div> <div> <div>Functionality</div> <div>Full 2 (100%)</div> <div>Partial 0 (0%)</div> </div> <div> <div>Ownership</div> <div>Public 10 (56%)</div> <div>Private 8 (44%)</div> <div>Mix 0 (0%)</div> </div> </div>	<div> <div>CURRENCY USED</div> <div>USD 0%</div> <div>TL 67%</div> <div>SYP 33%</div> </div> <div> <div>Bread Production</div> <div> <div>Daily Production (MT)</div> <div>Subsidized Bread 23</div> <div>Unsubsidized Bread 0</div> <div>Tourist Bread 0</div> <div>Free Bread (NGO) 0</div> <div>Others 0</div> </div> <div> <div>Price (TL) /KG</div> <div>1-2</div> <div>N/A-N/A</div> <div>N/A-N/A</div> </div> <div> <div>Average Subsidized Bread Package Weight</div> <div>2,000g</div> </div> <div> <div>Average Unsubsidized Bread Package Weight</div> <div>N/Ag</div> </div> </div>	<div> <div>QUALITY CONTROL</div> <div>(LAB TESTING)</div> <div>1</div> </div> <div> <div>Daily Production</div> <div>23 MT</div> <div>Current Productivity</div> <div>61%</div> </div> <div> <div>Full Daily Capacity</div> <div>38 MT</div> </div> <div> <div>Daily Bread Needs of Total Population</div> <div>40 MT</div> <div>Subsidized Bread Availability to PIN</div> <div>100%</div> </div> <div> <div>Daily Bread Needs of PIN Population</div> <div>15 MT</div> </div>
<div>Bakery Management</div> <div> <div>Bakery Owner</div> <div>0 (0%)</div> </div> <div> <div>Private Investor</div> <div>0 (0%)</div> </div> <div> <div>Employee</div> <div>0 (0%)</div> </div> <div> <div>LC</div> <div>2 (100%)</div> </div> <div> <div>Joint LC</div> <div>0 (0%)</div> </div> <div> <div>Committee</div> <div>0 (0%)</div> </div> <div> <div>AFAD</div> <div>0 (0%)</div> </div> <div> <div>Other</div> <div>0 (0%)</div> </div>	<div> <div>Availability</div> <div>Always Available</div> <div>Fairly Available</div> <div>Not Available</div> </div> <div> <div>Bread</div> <div>100%</div> <div>0%</div> <div>0%</div> </div> <div> <div>Local Flour</div> <div>100%</div> <div>0%</div> <div>0%</div> </div> <div> <div>Imported Flour</div> <div>50%</div> <div>50%</div> <div>0%</div> </div> <div> <div>Yeast</div> <div>100%</div> <div>0%</div> <div>0%</div> </div> <div> <div>Fuel</div> <div>100%</div> <div>0%</div> <div>0%</div> </div>	<div> <div>Support Status</div> <div> <div>Never Received Support</div> <div>0 (0%)</div> </div> <div> <div>Used to Receive Support</div> <div>0 (0%)</div> </div> <div> <div>Currently Receive Support</div> <div>2 (100%)</div> </div> <div> <div>Type of Support</div> <div>Rehabilitation 0%</div> <div>Operational Support 0%</div> <div>Flour 67%</div> <div>Yeast 33%</div> </div> <div> <div>Source of Support</div> <div>NGO 0</div> <div>LC 0</div> <div>AFAD 0</div> </div> </div>	<div> <div>Source and Price of Flour</div> <div> <div>Imported Flour</div> <div>100-300 \$/MT</div> <div>100%</div> </div> <div> <div>Local Flour</div> <div>280-400 \$/MT</div> <div>0%</div> </div> <div> <div>Trader</div> <div>0%</div> </div> <div> <div>Mill</div> <div>0%</div> </div> <div> <div>LC</div> <div>0%</div> </div> <div> <div>NGO</div> <div>0%</div> </div> <div> <div>AFAD</div> <div>100%</div> </div> </div>
<div> <div>MILLS</div> <div>5</div> </div> <div> <div>Mills Status</div> <div> <div>Non-Operational 0</div> <div>Operational 5</div> <div>100%</div> </div> <div> <div>Reasons for Non-Operation</div> <div>N/A</div> <div>N/A</div> </div> <div> <div>Functionality</div> <div>Full 2 (40%)</div> <div>Partial 3 (60%)</div> </div> <div> <div>Reasons for Limited Functionality</div> <div>Wheat and Fuel Shortage</div> <div>High Operational Cost</div> <div>Need for Building Rehabilitation</div> </div> <div> <div>Ownership</div> <div>Public 1 (14%)</div> <div>Private 6 (86%)</div> <div>Mix 0 (0%)</div> </div> </div>	<div> <div>MILLS SOURCE OF WHEAT</div> <div>Farmers</div> </div> <div> <div>Milling Capacity</div> <div> <div>Maximum Capacity</div> <div>366 MT</div> </div> <div> <div>Current Capacity</div> <div>364 MT</div> </div> <div> <div>Production Functionality</div> <div>99%</div> </div> <div> <div>Market Actors Supplied by Mills</div> <div> <div>Bakeries Supplied</div> <div>2</div> </div> <div> <div>Traders Supplied</div> <div>0</div> </div> </div> </div>	<div> <div>SILOS</div> <div>0</div> </div> <div> <div>SiLOS Status</div> <div> <div>Non-Operational 0</div> <div>Operational 0</div> <div>0%</div> </div> <div> <div>Functionality</div> <div>Full 0 (0%)</div> <div>Partial 0 (0%)</div> </div> <div> <div>Ownership</div> <div>Public 0 (0%)</div> <div>Private 0 (0%)</div> </div> <div> <div>Reasons for Non-Operation</div> <div>N/A</div> </div> </div>	<div> <div>SILOS SOURCE OF WHEAT</div> <div>N/A</div> </div> <div> <div>Needed Support for Silos</div> <div> <div>Building Rehabilitation</div> <div>0</div> </div> <div> <div>Machine Rehabilitation</div> <div>0</div> </div> <div> <div>Estimated Cost of Machines and Rehabilitation</div> <div>\$ 0</div> </div> <div> <div>Silos Capacity</div> <div> <div>Silos Maximum Storage Capacity</div> <div>0 MT</div> </div> </div> </div>

Annex Table 1: NWS Bread Needs and Production Gap Analysis



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



Sub-District	Total population	PIN	Weekly bread needs of population in MT	Weekly bread needs of PIN in MT	Weekly subsidized bread in MT	Weekly unsubsidized bread in MT	Weekly unsubsidized tourist bread in MT	Weekly NGO-free bread in MT	Weekly other types of bread in MT	Total weekly bread production in MT	Bread availability to the population - % of population bread needs covered by total production	Subsidized bread availability to the population - % of population bread needs covered by subsidized & free bread	Subsidized & free bread availability to PIN - % of PIN bread needs covered by subsidized & free bread	Bread production gap in MT per week	Subsidized & free bread production gap in MT per week for total population	Subsidized & free bread production gap in MT per week for PIN	Number of operating bakeries	Number of supported bakeries	Number of unsupported bakeries	%Unsupported bakeries	Weekly full bread production capacity in MT	% Current productivity
Afrin	194,055	99,938	448	231	6	176	22	15	24	243	54%	5%	9%	205	427	210	1	17	16	94%	634	38%
Bulbul	35,613	19,389	82	45	56	0	8	0	0	64	78%	69%	126%	18	26	-12	2	4	2	50%	98	65%
Jandairis	94,530	34,956	218	81	17	156	2	60	0	235	108%	35%	95%	-17	142	4	2	10	8	80%	413	57%
Mabtali	27,799	12,413	64	29	11	0	7	0	0	18	28%	17%	38%	46	53	18	1	4	3	75%	42	43%
Raju	49,351	39,235	114	91	8	45	8	0	0	60	53%	7%	8%	54	106	83	1	6	5	83%	189	32%
Sharan	52,568	30,881	121	71	68	11	0	0	0	79	65%	56%	96%	42	53	3	3	10	7	70%	182	43%
Sheikh El-Hadid	12,366	4,946	29	11	26	6	0	0	0	32	112%	90%	224%	-3	3	-14	1	5	4	80%	63	51%
Al Bab	190,541	147,952	440	342	619	21	0	27	0	667	152%	147%	189%	-227	-206	-305	18	30	12	40%	1,141	58%
Ar-Raee	23,640	9,718	55	22	96	0	0	0	110	206	376%	175%	425%	-151	-41	-73	7	7	0	0%	441	47%
Aghtrin	96,129	66,244	222	153	245	23	0	0	0	269	121%	110%	160%	-47	-23	-92	14	15	1	7%	1,274	21%
Azaz	301,296	286,522	696	662	296	69	0	81	32	478	69%	54%	57%	218	319	285	22	31	9	29%	1,870	26%
Mare	69,781	46,144	161	107	47	7	0	0	0	55	34%	29%	44%	107	114	59	4	6	2	33%	399	14%
Suran - Aleppo	95,980	35,550	222	82	175	25	0	0	0	200	90%	79%	213%	22	47	-93	10	12	2	17%	980	20%
Ghandorah	30,387	11,879	70	27	184	15	0	0	0	199	284%	262%	669%	-129	-114	-156	10	10	0	0%	497	40%
Jarablus	82,055	48,618	190	112	263	10	0	5	0	278	147%	141%	238%	-88	-78	-155	11	11	0	0%	931	30%
Atareb	183,679	157,886	424	365	19	141	0	52	0	212	50%	17%	19%	212	353	294	3	26	23	88%	539	39%
Daret Azza	67,942	53,026	157	122	78	46	0	0	0	124	79%	50%	64%	33	79	45	4	10	6	60%	280	44%
Ras Al Ain	63,161	27,370	146	63	18	2	3	0	0	23	16%	12%	28%	123	128	45	2	15	13	87%	301	8%
Ein Issa	37,723	19,197	87	44	0	0	0	0	0	0	0%	0%	0%	87	87	44	0	4	4	100%	-	NA
Suluk	38,342	5,964	89	14	49	0	0	0	0	49	55%	55%	356%	40	40	-35	1	8	7	88%	98	50%
Tell Abiad	44,829	19,924	104	46	112	0	0	0	0	112	108%	108%	243%	-8	-8	-66	1	6	5	83%	168	67%
Ariha	104,664	64,317	242	149	164	25	0	0	0	189	78%	68%	110%	53	78	-15	5	6	1	17%	365	52%
Ehsem	32,102	9,630	74	22	0	21	0	0	0	21	28%	0%	0%	53	74	22	0	2	2	100%	77	27%
Khambal	43,308	26,693	100	62	57	59	0	0	0	117	116%	57%	93%	-16	43	5	2	4	2	50%	203	57%
Armanaz	76,839	44,878	177	104	61	26	0	0	0	87	49%	34%	59%	90	116	43	3	4	1	25%	224	39%
Dana	1,126,535	999,777	2602	2309	166	810	0	268	0	1244	48%	17%	19%	1358	2168	1876	6	47	41	87%	2,557	49%
Harim	71,424	29,675	165	69	0	98	0	0	0	98	59%	0%	0%	67	165	69	0	5	5	100%	392	25%
Kafr Takharim	35,751	27,160	83	63	45	10	0	0	0	55	67%	54%	72%	28	38	18	1	3	2	67%	175	31%
Qourqeena	103,628	44,994	239	104	41	3	0	0	0	44	18%	17%	39%	196	199	63	2	6	4	67%	119	37%
Salqin	222,267	181,522	513	419	50	129	0	0	0	179	35%	10%	12%	334	463	369	0	14	14	100%	434	41%
Bennsh	52,701	25,569	122	59	0	67	35	0	0	102	83%	0%	0%	20	122	59	1	6	5	83%	168	60%
Idleb	295,287	166,851	682	385	0	337	16	39	0	392	57%	6%	10%	290	643	346	0	12	12	100%	1,547	25%
Maaret Tamsrin	330,657	268,481	764	620	205	116	0	38	0	359	47%	32%	39%	405	521	377	7	11	4	36%	1,061	34%
Sarmin	15,665	6,478	36	15	0	8	18	0	0	26	72%	0%	0%	10	36	15	0	4	4	100%	70	37%
Teftnaz	23,334	14,804	54	34	0	25	0	0	0	25	46%	0%	0%	29	54	34	0	2	2	100%	63	40%
Badama	53,872	29,041	124	67	0	22	0	45	0	67	54%	36%	67%	57	79	22	2	6	4	67%	52,682	0%
Darkosh	87,166	25,032	201	58	49	86	0	0	0	135	67%	24%	85%	66	152	9	2	3	1	33%	193	70%
Janudiyeh	57,789	26,318	133	61	29	5	0	21	0	55	41%	38%	83%	78	83	11	3	5	2	40%	168	33%
Jisr-Ash-Shugur	103,591	28,085	239	65	84	95	0	0	0	179	75%	35%	130%	60	155	-20	4	7	3	43%	378	47%