



**TURKISH FLOUR YEAST AND  
INGREDIENTS  
PROMOTION GROUP**

**CENTRAL ANATOLIAN EXPORTERS UNIONS  
GENERAL SECRETARIAT**

# ***WHEAT FLOUR REPORT***



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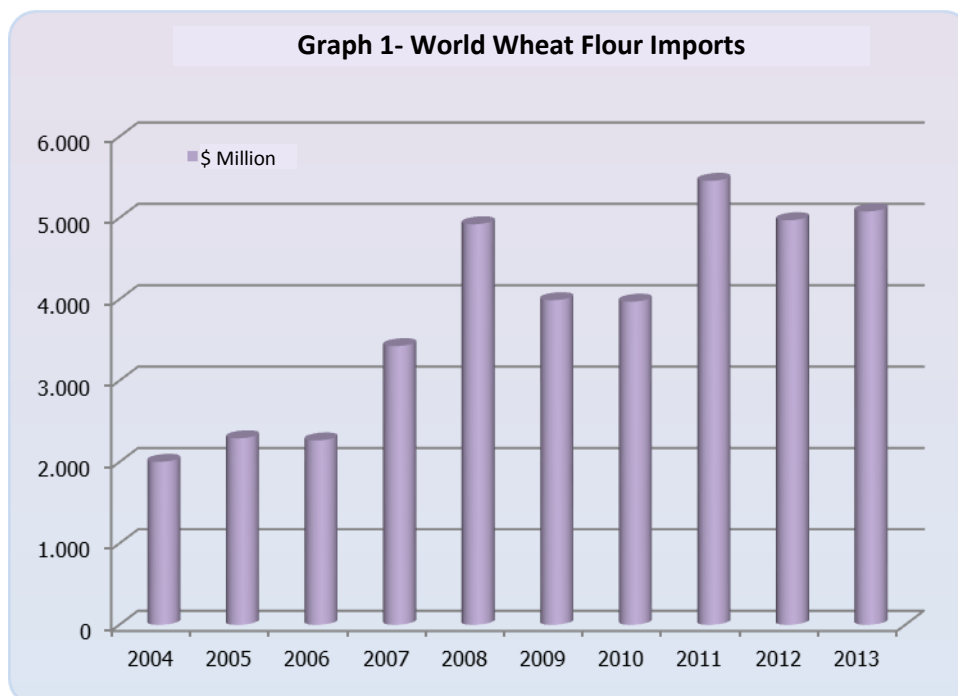
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## 1. WORLD TRADE

The size of the wheat flour market is around 22.2 million tons and \$ 10.3 billion according to year 2013 data. Although the wheat flour trade volume has fluctuated in the last five years, it has grown at the average rate of 2.2 % on quantity basis, and at the average rate of 11.7 % on value basis in the said period. In the light of these figures, and given that the product is a basic foodstuff, the wheat flour sector is considered as a market growing parallel to the changes/developments in the consumption of the wheat flour-based food products and in the trend of nutritional habits worldwide. On the other hand, the year 2013 saw a contraction in the world wheat flour market at the rate of 13.7 % on quantity basis and at the rate of 4.5 % on value basis relative to the previous year.

### 1.1. WORLD WHEAT FLOUR IMPORTS

According to ITC data, the world wheat flour imports in the year 2009 declined by 19 % on value basis relative to the previous year to \$ 3,990 million, while on quantity basis said imports rose by 12.5 % in the said year. In the year 2010, on the other hand, the declining trend was reversed despite the restriction of wheat exports by the Russian Federation and Ukraine, which are two major wheat producers, with the wheat flour imports increasing by 2% on quantity basis, declining by 0.5% on value basis to \$ 3,972 million.

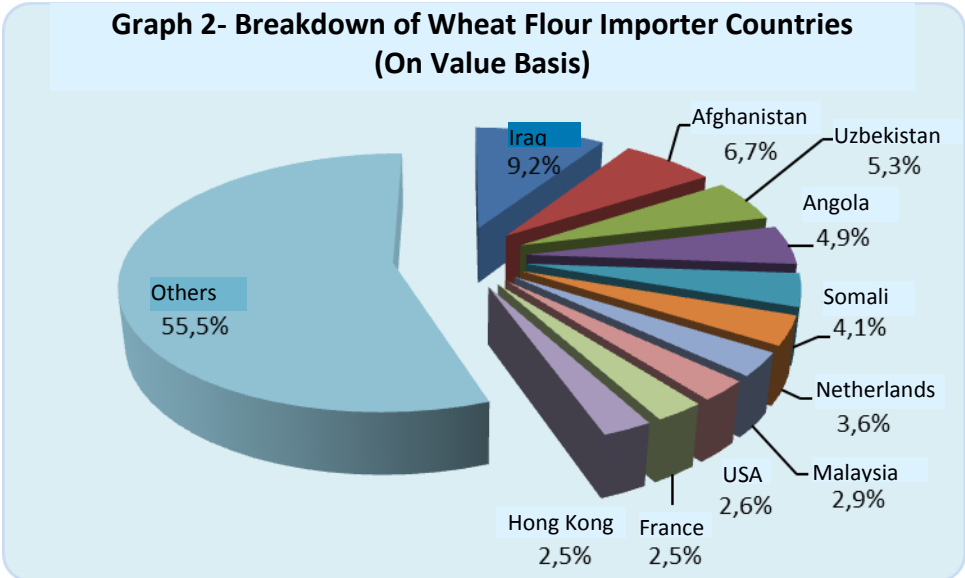


Source: TradeMap

The year 2011, on the other hand, saw an increase of 37.4 %, with the wheat flour imports amounting to \$ 5.4 billion, thus exceeding the value of the wheat flour imports reached in the year 2008. In the year 2012, the world wheat flour imports declined by 6.7 % on quantity basis, 8.9 % on value basis to 11,595 thousand tons and \$ 4.9 billion, respectively.

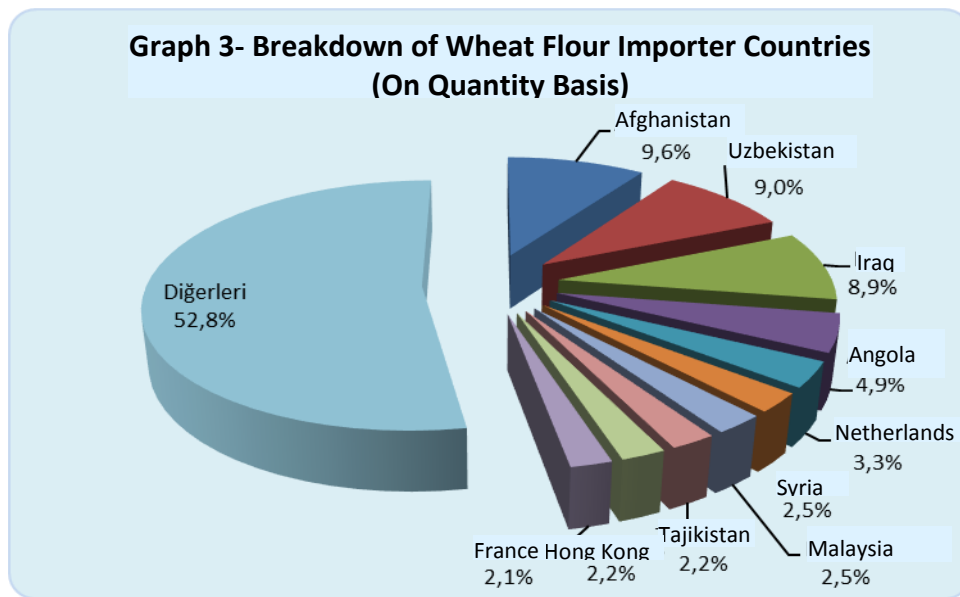
In the year 2013, the downward trend in the world wheat flour imports continued on quantity basis, with the wheat flour imports receding by 6.4% to 10,859 tons, while increasing on value basis by 2.2% to \$ 5,081 million.

In the world wheat flour imports on value basis, Iraq occupied the top place, followed by Afghanistan, Uzbekistan, Angola and Somali, in that order. Said five countries accounted for approximately one-third of the world wheat imports in the year 2013.



Source: TradeMap

Quantity-based ranking of wheat flour importers differs from the above, with the top five importers on quantity basis being Afghanistan, Uzbekistan, Iraq, Angola and the Netherlands. The imports realized by the said five countries accounted for 35.3 % of the total wheat flour imports on quantity basis.



Source: TradeMap

Of the top five wheat flour importer countries (on value basis), Somali saw the highest increase (approximately 4.5-fold) in imports, while the wheat flour imports of Iraq and Afghanistan rose by 14.7% and 92.7% , respectively. Wheat flour imports of Uzbekistan fell by 6.7, while that of Angola rose by 19.5%.

In the last decade, the top wheat-flour-importer Iraq's such imports have, despite the fluctuations, increased in general from \$ 66 thousand worth of wheat flour imports in 2004 to \$ 470 million in 2013. A trend similar to Iraq's has been observed for Uzbekistan and Brazil which have become major wheat flour importers in particularly the last five years, despite a drop of 6.7% and 59.1%, respectively, in their wheat flour imports in the year 2013. Ranked second among the world wheat flour importers, Afghanistan saw its wheat flour imports start in the year 2008, and has become a critical wheat flour importer in the last five years, though one should bear in mind that the war conditions in the said country may prevent the foreign trade records from being kept in a sound manner. Angola, which has been among the top ten wheat flour importers in the last decade, is an important component of the world wheat flour market, in spite of her fluctuating track record. Somali, which ranks fifth among the world wheat flour importers in the year 2013, saw her wheat flour imports rise by nearly 11-fold relative to the year 2004, by 4.6% relative to the year 2012 to \$ 209 million level.

In the year 2010, the top wheat flour importers on quantity basis were Uzbekistan (1 million tons), Iraq (889 thousand tons), and Afghanistan (803 thousand tons). In 2011, the top wheat flour importers on quantity basis were Uzbekistan (1,144 thousand tons), Iraq (895 thousand tons), and Brazil (701 thousand tons). In 2012, Uzbekistan maintained her top place by increasing her imports on quantity basis by 8.7%, despite the 10.4% drop in her imports on value basis, followed by Iraq which saw her imports increase by 1.3% on quantity basis and by 0.3% on value basis, whose wheat flour imports declined by 9.3% on quantity basis. According to indefinite data, Afghanistan ranked first in the world wheat flour imports on quantity basis in 2013 by nearly doubling its imports, followed by Uzbekistan with 21.4% fall, and Iraq with 7.2% increase.

RANK	COUNTRIES	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2012-2013 Change (%)	% Share
1	Iraq	66,148	257,854	121,467	174,131	319,660	286,088	312,011	408,377	409,685	469,846	14.7	9.2
2	Afghanistan					162,443	359,929	229,567	220,048	175,498	338,128	92.7	6.7
3	Uzbekistan	31,219	66,430	71,608	160,629	314,703	223,725	230,945	324,675	290,975	271,482	-6.7	5.3
4	Angola	79,802	76,409	90,585	118,182	168,848	130,296	137,185	212,807	209,659	250,479	19.5	4.9
5	Somali	19,423	26,598	15,652	29,185	50,099	31,149	26,270	53,360	45,137	209,394	363.9	4.1
6	Netherlands	105,143	93,020	86,544	127,389	223,068	129,461	127,197	195,938	199,097	185,087	-7.0	3.6
7	Malaysia	8,228	8,861	7,695	18,142	59,701	52,129	72,426	113,091	100,456	149,112	48.4	2.9
8	USA	73,537	71,687	83,010	88,611	133,059	99,947	102,385	122,877	119,219	130,592	9.5	2.6
9	France	55,730	57,563	54,844	79,547	113,802	87,373	77,974	107,948	105,719	128,370	21	2.5
10	Hong Kong	59,684	62,851	64,701	73,460	95,046	93,411	89,437	109,406	120,891	127,435	5.4	2.5
11	Syria	811	745	438	1,023	1,000	485	2,088	3,315	19,167	113,203	490.6	2.2
12	Brazil	7,957	6,000	31,041	175,866	291,833	194,363	217,662	300,979	248,077	101,444	-59.1	2.0
13	Ireland	42,617	38,540	39,029	53,912	68,653	101,113	66,574	66,169	93,532	96,616	3.3	1.9
14	Thailand	14,999	27,607	33,354	58,919	74,437	48,050	71,403	108,795	113,081	96,198	-14.9	1.9
15	Belgium	33,575	42,157	48,579	66,615	96,894	84,678	60,051	84,898	75,786	87,303	15.2	1.7
16	Tajikistan	39,187	48,690	52,140	101,117	153,838	99,309	92,184	101,929	90,058	86,808	-3.6	1.7
17	Guinea	1,512	12,431	17,233	20,216	24,619		39,958	48,547	67,272	86,453	28.5	1.7
18	Indonesia	79,410	128,009	143,110	180,317	271,263	223,184	261,254	281,758	188,833	82,074	-56.5	1.6
19	South Korea	16,039	23,408	27,157	35,898	4,984	32,778	41,602	55,162	70,970	79,651	12	1.6
20	Philippines	3,061	6,236	15,712	35,154	20,490	29,831	31,435	55,158	81,663	76,688	-6.1	1.5
	Others	1,265,047	1,237,876	1,262,575	1,826,799	2,275,107	1,683,064	1,682,438	2,480,875	2,147,600	1,914,792	-10.8	37.7
	<b>Total</b>	<b>2,003,129</b>	<b>2,292,972</b>	<b>2,266,474</b>	<b>3,425,112</b>	<b>4,923,547</b>	<b>3,990,363</b>	<b>3,972,046</b>	<b>5,456,112</b>	<b>4,972,375</b>	<b>5,081,155</b>	<b>2.2</b>	<b>100</b>

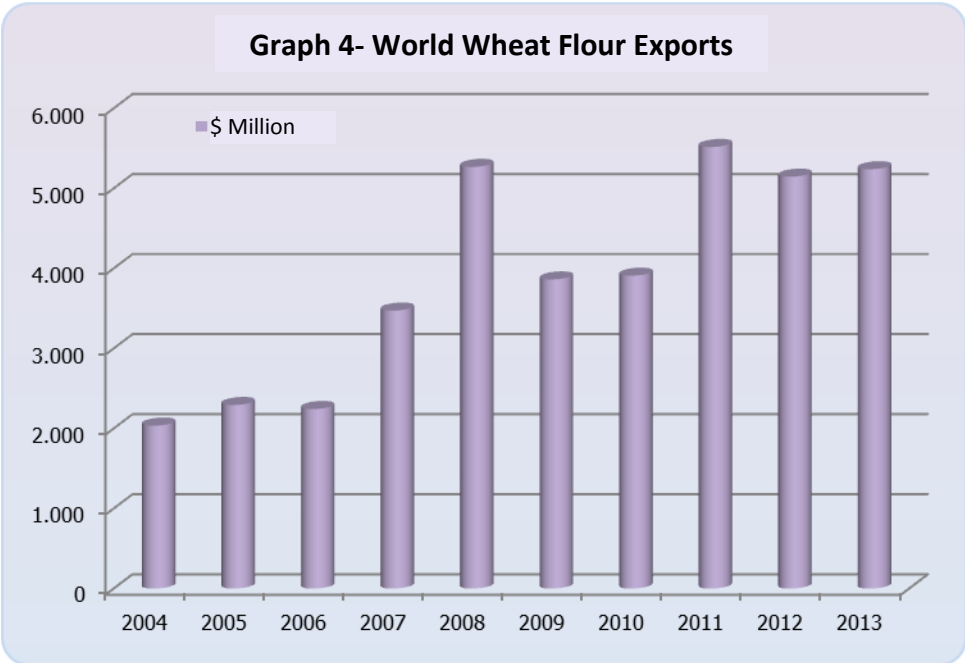
Source: TradeMap

Of the top twenty countries according to the year 2013 data, Brazil was the country whose imports recorded the highest drop (59.1 %). Among the countries experiencing the highest increase in wheat flour imports were Syria with approximately 6-fold increase (\$ 113 million), and Somali with 4.6-fold increase (\$ 209.4 million).

In the year 2013, the countries importing wheat flour numbered 219, while the countries importing more than \$ 10 million worth of wheat flour numbered 81 (the countries importing more than 100 thousand tons of wheat flour numbered 28). In 2013, the countries other than the top ten ones in the world wheat flour imports had a share -on value basis- of 55.3 % in the total imports, which indicates that the said market covers quite a broad area.

**1.2 WORLD WHEAT FLOUR EXPORTS**

Between the years 2009-2013, the trend of the world wheat flour exports paralleled the trend of imports. In the year 2009, said exports declined by 26.7 % on value basis, but increased by 5.1% on quantity basis.

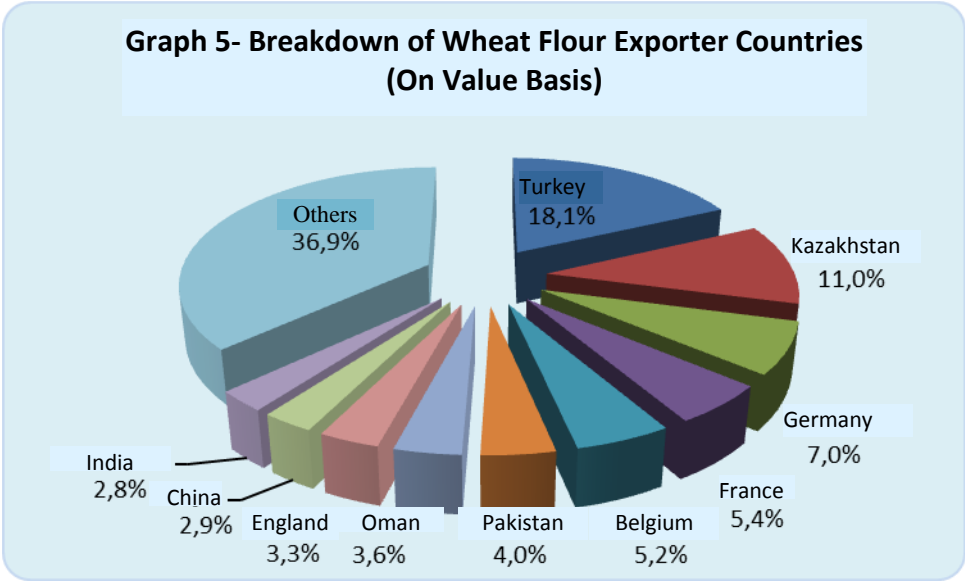


Source: TradeMap

In the year 2010, the world wheat flour exports started to increase, though at a small rate, on both value (1.2 %) and quantity (3.7 %) bases, with the wheat flour exports amounting to \$ 3.9 billion. In 2011, wheat flour exports increased considerably on both value and quantity bases, with the exports rising by 41.1 % on value basis to approximately \$ 5.5 billion, by 13.8 % on quantity basis to 12.8 million tons, the highest levels of wheat flour exports in the last decade on both value and quantity bases. In the year 2012, the wheat flour exports declined relative to the year 2011 by 6.7% on value basis to \$ 5.1 billion, by 3.9% on quantity basis to 12.3 million tons. In the year 2013, the wheat flour exports

increased slightly by 1.8% to \$ 5.2 billion, though the decline on quantity basis continued (7.8%).

In the world wheat flour exports, Turkey ranked first with 18.1% share on value basis, with her wheat flour exports increasing by 12.6% in the year 2013 relative to the previous year, maintaining her position as the biggest supplier in the wheat flour trade in the year 2013 on both value and quantity bases. Turkey’s exports in the last decade rose 4.8-fold from \$ 197.5 million in 2004 to \$ 947.4 million in 2013.

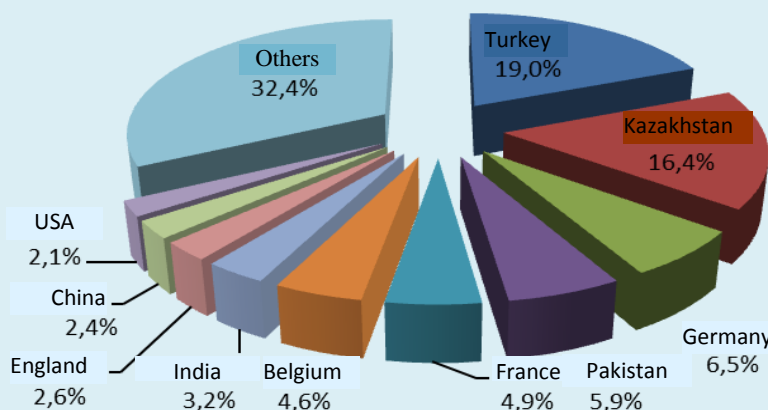


Source: TradeMap

In the world wheat flour exports in the year 2013, the other top-ranking countries following Turkey were Kazakhstan (11%), Germany (7%), France (5.4 %), and Belgium (5.2%). Of the world wheat flour exports in the said year, almost half (46.73%) was realized by the top five countries, 78.3% by the top 20 countries.



**Graph 6- Breakdown of Wheat Flour Exporter Countries  
(On Quantity Basis)**



Source: TradeMap

In the year 2013, the top-five ranking of countries on quantity basis differed partly from the ranking on value basis. Accordingly, Turkey ranked first with 19% share and 2.1 million tons of wheat flour exports, while Kazakhstan slipped to second place with 16.4% share and close to 1.9 million tons of exports, followed by Germany (6.5%), Pakistan (5.9%), and France (4.9%).

**Table 2-World Wheat Flour Exports (\$ Thousand)**

RANK	COUNTRIES	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2012-2013 Change (%)	% Share
1	Turkey	197,487	426,152	272,850	424,486	617,572	581,471	598,106	891,814	841,373	947,437	12.6	18.1
2	Kazakhstan	94,287	142,307	172,344	339,122	849,228	574,450	535,864	551,192	606,922	574,997	-5.3	11.0
3	Germany	170,882	145,462	160,319	200,411	295,991	222,727	217,401	283,137	303,379	365,784	20.6	7.0
4	France	200,352	157,845	177,986	242,549	359,897	259,418	232,049	296,939	253,790	281,421	10.9	5.4
5	Belgium	224,619	196,586	189,153	281,418	387,909	248,488	227,904	250,072	237,729	271,956	14.4	5.2
6	Pakistan	50,770	101,099	119,705	100,898	2,970	934	39,061	351,781	248,200	208,393	-16.0	4.0
7	Oman	24,899	24,043	22,880	23,739	30,136	22,866	18,126	28,326	35,276	189,783	438.0	3.6
8	England	36,842	47,891	42,805	71,799	104,768	100,428	102,266	145,184	152,695	171,863	12.6	3.3
9	China	77,147	85,667	97,033	210,520	77,368	96,003	117,718	143,429	149,606	149,379	-0.2	2.9
10	India	50,774	14,197	10,385	13,250	4,856	12,018	16,485	32,399	78,796	145,673	84.9	2.8
11	ABD	66,103	49,677	51,293	125,942	137,254	132,282	140,393	154,697	144,069	133,976	-7.0	2.6
12	Canada	83,027	80,946	88,051	96,009	133,239	98,872	96,994	107,882	90,941	101,638	11.8	1.9
13	Morocco	16,803	18,240	23,831	43,724	34,691	24,368	32,023	46,787	67,400	78,838	17.0	1.5
14	South Africa	9,330	5,276	4,490	2,424	9,684	22,333	36,537	45,571	55,279	76,130	37.7	1.5
15	Italy	97,021	82,327	73,655	52,215	44,039	33,223	38,231	55,323	57,107	73,281	28.3	1.4
16	Japan	77,061	72,924	67,849	65,740	80,317	58,380	66,928	72,730	73,590	71,980	-2.2	1.4
17	Ukraine	1,143	3,057	2,264	29,685	118,973	38,725	22,158	41,474	50,687	71,177	40.4	1.4
18	Hungary	7,302	6,299	10,775	30,288	53,028	39,757	35,987	71,840	59,290	71,123	20.0	1.4
19	Spain	73,494	50,091	41,833	49,767	85,146	39,689	21,521	80,888	67,408	62,756	-6.9	1.2
20	Russian Federation	34,398	42,847	43,615	92,444	197,579	121,495	35,698	214,178	65,174	57,222	-12.2	1.1
	Others	442,026	540,836	570,558	976,420	1,643,832	1,134,474	1,277,644	1,651,479	1,507,196	1,134,568	-24.7	21.7

Total	2,035,767	2,293,769	2,243,674	3,472,850	5,268,477	3,862,401	3,909,094	5,517,122	5,145,907	5,239,375	1.8	100
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Source: TradeMap

In the year 2013, there was a serious decline on both value and quantity bases in the wheat flour exports of Argentina, which is a major wheat producer and one of the major suppliers in the world wheat flour exports. The decline in Argentina's wheat harvest 2012-2013 harvest season caused her wheat flour exports to recede from \$ 343 million in 2012 to \$ 56 million in 2013, causing the said country to slip from 3<sup>rd</sup> place to 21<sup>st</sup> place in the ranking on value basis. In the year 2013, both Pakistan's performance and Argentina and France achieving serious increases in their wheat flour exports relative to the year 2012 had a negative effect on the ranking of Belgium, which followed a stable course of wheat flour exports, and a small increase of 1.1% in the latter's exports in the year 2012 could not reverse this trend. However, Germany, which had also been affected negatively by the said developments in the year 2011 rose to fourth place in the year 2012 with 7.1% increase on value basis. In the year 2012, another striking increase was experienced in India which raised her wheat flour exports by 143.2% relative to the previous year, achieving the highest wheat flour exports of the last decade. The most noticeable decline in the year 2012 took place in the Russian Federation which, having increased her wheat flour exports 6-fold in the previous year, saw her wheat flour exports slump by 69.6% to \$ 65 million.

The countries which are other than the top 20 countries and which had 21.7 % share in total wheat flour exports (128 countries) experienced 24.7% fall in their total exports in the year 2013.

## **2. TURKEY'S PRODUCTION AND FOREIGN TRADE**

### **2.1 TURKEY'S WHEAT PRODUCTION**

Being a basic foodstuff for human beings, wheat is produced in the biggest quantity among the cereals. When being turned into flour, wheat passes through the following stages:

- separation of foreign matter,
- conditioning,
- grinding between rollers,
- sieving to separate endosperm of wheat from bran.

Grinding is done by rollers in advanced flour factories. Milling system is still used in small enterprises other than factories. Storage, cleaning, quality and standard gain importance in the manufacturing of flour. Grain hardness and homogeneity of wheat to be ground are

taken into consideration from the standpoint of both standardization and quality improvement.

Produced in every part of our country, wheat is quite important in that it has a very big producer population and is the basic foodstuff for the majority of the population. Of 24 million ha agricultural field sown in our country, 12 million ha (50%) is used for growing cereals.

The flour and bakery products sector is characterized by product diversity, with wheat flour, biscuits and pasta being predominant. Rapid urbanization, wider employment of women in business life, time storage and similar factors give rise to an increase in the consumption of processed agricultural products. This situation increases production and consequently domestic consumption, and causes foreign trade to become widespread.

**Table 3- Turkey's Wheat Production and Wheat Yield (2003-2014)**

<b>Years</b>	<b>Production (million tons)</b>	<b>Yield (kg/decare)</b>
<b>2003</b>	19.00	209
<b>2004</b>	21.00	226
<b>2005</b>	21.50	232
<b>2006</b>	20.00	236
<b>2007</b>	17.23	213
<b>2008</b>	17.78	220
<b>2009</b>	20.60	254
<b>2010</b>	19.70	243
<b>2011</b>	21.80	269
<b>2012</b>	20.10	267
<b>2013</b>	22.05	285
<b>2014</b>	19.00	243

*Source: Soil Products Office (TMO)*

Wheat yield has increased between the years 2003-2014, with a regular increase in the last five years, excepting the year 2014. Turkey's wheat production has not followed a stable trend in the same period, resulting essentially from the changes in climatic conditions. For example, the severe drought experienced in 2007 reduced wheat production to 17.3 million tons, while the strong torrents seen in particularly the last months of 2009 after a slight recovery (17.8 million tons) in 2008 provided a good soil moisture in Turkey and particularly in the Central Anatolia, raising the production to 20.6 million tons. After the drop experienced in 2010, 21.8 million tons were produced in 2011, which was the highest wheat

production quantity of the last decade. In 2012, on the other hand, the wheat production quantity declined by 7.8% to 20.1 million tons.

Following the drop experienced in 2012, wheat production reached 22.05 million tons in 2013, the highest level in the last decade. In the year 2014, on the other hand, wheat production declined by 13.8% to 19 million tons.

There is a wheat flour factory in almost all provinces of our country, with Konya having the biggest number of such factories. More than half of 1,200 wheat flour factories existing in Turkey (700 factories) are active. Average capacity utilization rate is around 45% in the flour industry whose annual production capacity is estimated to be 30 million tons. Turkey's per capita wheat consumption is 250 kg.

The Turkish Food Codex Wheat Flour Communiqué (Communiqué No: 99/1) published in the Official Gazette dated 17 February 1999, numbered 23614 covers the wheat flours obtained from *Triticum aestivum*, *Triticum compactum* and *Triticum durum* wheats. Definitions of the crops are as follows:

- a) *Wheat Flour*: The product obtained through grinding, in line with relevant technique, of conditioned wheats cleaned from foreign matter. Wheat flours are divided into two groups: bread flours and special-purpose flours.
- b) *Bread Flour*: The wheat flour obtained through grinding of wheats whose technological characteristics are suitable for bread making.
- c) *Special-Purpose Flour*: The wheat flour which is suitable for production of such directly-consumed products as "baklava" (Turkish sweet pastry), "börek" (pastry stuffed with cheese, minced meat etc.), biscuits, cake, pasta, "yufka" (thin sheet of dough), pizza, hamburger, multigrain bread, and which is suitable for production of such special purpose products as mixed flours, specially-processed flours and "irmik altı unu" (sub-semolina flour)..

Flour factories obtain wheat mostly from TMO (Soil Products Office), producers-merchants, and through importation. The fact that imports have a high share in wheat supply indicates the difficulty experienced in obtaining the raw material. The quantity of the wheat produced domestically is not at the desired level, which is another factor that increases the imports.

## 2.2 TURKEY'S WHEAT FLOUR IMPORTS

Having been in a superior position in the world wheat flour exports since particularly the year 2005, Turkey imports wheat instead of importing wheat flour, and produces flour from imported wheat.

Turkey's wheat flour imports are almost nil. Wheat flour imports amounted to 3,111 tons in 2009, which was the highest quantity of imports in the last twelve years, 128 tons in 2012, 136 tons in 2013, and 3,279 tons in 2014.

**Table 4- Turkey's Wheat Flour Imports (2003-2014)**

Years	Q.tity (Kg)	Value (\$)
2003	2,800	1,189
2004	67,500	12,583
2005	93,500	24,332
2006	71,797	22,421
2007	42,560	25,674
2008	1,340	4,434
2009	3,110,813	1,381,791
2010	210,420	77,655
2011	56,028	39,702
2012	127,716	97,366
2013	136,155	146,432
2014	3,279,052	1,594,990

Source: TÜİK (TurkStat)

## 2.3 TURKEY'S WHEAT FLOUR EXPORTS

Turkey's wheat flour exports rose from 593 thousand tons in 2003 to 2.2 million tons in 2014. Such increase has seriously enhanced Turkey's weight in the world wheat flour exports, making Turkey the most important supplier in the world wheat flour trade since the year 2005.

**Table 5- Turkey's Wheat Flour Exports (2003-2014)**

Years	Q.tity (Tons)	Value (\$ Thousand)	Change-Q.tity (%)	Change-Value (%)
2003	593,365	111,482	-	-
2004	786,055	197,487	32.5	77.1
2005	1,980,054	426,152	151.9	115.8
2006	1,250,115	272,850	-36.9	-36.0
2007	1,216,893	424,486	-2.7	55.6
2008	1,213,278	617,976	-0.3	45.6
2009	1,805,866	581,039	48.8	-6.0

<b>2010</b>	1,836,295	596,282	1.7	2.6
<b>2011</b>	1,984,515	891,744	8.1	49.6
<b>2012</b>	1,993,012	840,821	0.4	-5.7
<b>2013</b>	2,142,367	946,605	7.5	12.6
<b>2014</b>	2,209,928	932,593	3.2	-1.48

Source: TÜİK (TurkStat)

Turkey ranked first worldwide on the basis of the value and quantity in the years 2005, 2006 and 2007, ranked second in 2008, ranked first in 2009 on the basis of the value, and ranked first in the years 2010 and 2011 on the basis of the value and quantity, realizing exports amounting to approximately 2 million tons and \$ 892 million. In the year 2012, Turkey ranked first on value basis with \$ 841 million worth of wheat flour exports, while slipping to second place on quantity basis. In the year 2013, on the other hand, wheat flour exports amounted to \$ 946.6 million on value basis and 2.1 million tons on quantity basis, with Turkey occupying the first place in the worldwide wheat flour exports on quantity and value bases. In the year 2014, wheat flour exports rose on quantity basis to 2.2 million tons and declined on value basis to \$ 932.6 million tons.

In the last twelve-year period, Turkey exported the biggest quantity of wheat flour in the years 2012, 2013 and 2014. In the said period, wheat flour exports declined in the years 2006, 2007 and 2008, started to increase from the year 2008 onwards, reaching the peak level of the last twelve years in the year 2014. The increase that occurred in the unit price of the exports has been the primarily important point of the development of Turkey's wheat flour exports in the said years. This is the element that determines Turkey's strengthening position in the world wheat trade.

**Table 6- Countries to which Turkey Exports Wheat Flour (2009-2014)**

Rank	Countries	2009 (\$)	2010 (\$)	2011 (\$)	2012 (\$)	2013 (\$)	2014 (\$)	Change (%) - 2013	Share (%) - 2014
1	IRAQ	279,449,209	295,534,691	394,550,512	409,448,449	468,480,886	477,727,670	2.0	51.2
2	SYRIA	1,823,719	1,125,828	615,292	10,849,748	86,313,107	101,271,799	17.3	10.9
3	PHILIPPINES	30,042,537	27,716,328	40,631,210	68,514,462	60,354,865	51,388,728	-14.9	5.5
4	ANGOLA	9,834,488	122,778	6,365,257	19,276,443	43,295,590	49,743,091	14.9	5.3
5	SUDAN	20,972,727	11,779,234	6,590,829	21,525,546	18,744,771	35,170,559	87.6	3.8
6	ISRAEL	14,342,621	5,669,962	19,611,339	9,740,503	12,723,064	24,433,938	92.0	2.6
7	INDONESIA	123,436,545	131,270,145	137,584,814	73,558,586	22,155,678	19,214,792	-13.3	2.1
8	BENIN	278,350	278,891	2,080	2,342,781	14,727,628	17,623,755	19.7	1.9
9	GUINEA	47,071	2,885,111	5,258,051	5,225,311	20,927,793	13,926,890	-33.5	1.5
10	PHILISTINE	5,055,568	5,568,641	10,269,501	16,324,247	16,717,692	12,180,477	-27.1	1.3
11	GHANA	2,251,961	4,829,887	9,132,884	16,083,093	16,628,868	12,118,372	-27.1	1.3
12	MADAGASCAR	4,298,645	9,375,729	15,652,373	24,044,505	17,602,942	11,056,702	-37.2	1.2

13	SIERRA LEONE	661,479	510,036	1,877,902	7,684,715	10,978,579	9,205,518	-16.2	1.0
14	JIBUTI	3,594,167	4,149,827	4,791,848	7,918,542	7,018,736	8,854,539	26.2	0.9
15	THAILAND	9,808,518	11,652,873	15,997,723	19,395,456	13,653,872	7,541,745	-44.8	0.8
	<b>Others</b>	<b>75,141,859</b>	<b>83,812,129</b>	<b>222,812,804</b>	<b>128,884,182</b>	<b>116,280,817</b>	<b>81,134,162</b>	<b>-30.2</b>	<b>8.7</b>
	<b>TOTAL</b>	<b>581,039,464</b>	<b>596,282,090</b>	<b>891,744,419</b>	<b>840,816,569</b>	<b>946,604,888</b>	<b>932,592,737</b>	<b>-1.5</b>	<b>100</b>

Source: TÜİK (TurkStat)

Another reason for Turkey's becoming a leader country in wheat flour exports is Turkey's becoming the biggest supplier for Iraq which has become the biggest wheat flour importer as of 2011, and diversified composition of the countries to which Turkey exports wheat flour. In particular the last five years, Turkey has begun realizing exports to a mix of countries consisting of the Middle Eastern, North African and Far Eastern countries. Iraq had the highest share (51.2%) in Turkey's wheat flour exports in the year 2014. Syria occupied the second place in this respect, with the wheat flour exports to the said country rising by 17.3% relative to the previous year. The Philippines maintained her third-rank in Turkey's wheat flour exports despite a decline of 14.9% experienced in the year 2014.

## 5. SOURCES:

- ✓ TradeMap
- ✓ TÜİK (TurkStat) Data
- ✓ Turkish Soil Products Office (TMO)