



# **Index numbers for Exports for year 2018**

**Index numbers department**

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## Introduction

The importance of foreign trade in Iraq through the role it plays in Iraq's national economy and the indicators considered of the important indicators in the economic analysis, especially exports as it is considered an important source of National income and the increase and varieties of exports means the country's progress in various economic aspects.

Export indices (value, quantity and price) for year 2018 basis 2012 were calculated to reach results that reflect our true export development.

The years (2008-2013) numbers are actual indices based on 2007 in the tables no.(4,5).

In this report for the first time the years (1981-2007) are added in the last table no.(5), Which have been calculated by linking chains by the base year 2007, where the years were completed until 2018 to be a reference table certified as a series.

## Methodology:

Exports index numbers structure as below:

### First: The Base year

Index numbers department for renovation calculating the exports indices basis year 2012.

### Second: Commodity basket

The total exports value (Excluding oil) for all goods exported reached in the base year 2012 (331272) million ID of goods and distributed to (39) commodity exported, (9) sections and (24) class.

The number of selected goods was (32) commodity from (39) commodity exported in the base year 2012 representing (82.1%) of the total number of goods exported, while the value of total exports (Except oil) For these selected goods amounted to (331241) million ID in the base year 2012 with a ratio of (99.991%) of the total value of exports.

The selected (32) commodity were distributed to (9) Full sections and (23) class of (24) for the (HS-02) classification which is "The Harmonized Commodity Description and Coding System".

### Third: export index numbers types and mathematical formulas used

#### 1. Index (unit value) For exports

Adopting the Laspeyres' formula weighted base year 2012 in the calculation of the index of unit value of exports, as follows:

$$I_p = \frac{\sum P_1/P_0 \times W}{\sum W} \times 100$$

Where:

**I<sub>p</sub>**: The index for the unit value of exports

**P<sub>1</sub>**: Price of the commodity in the comparative year.

**P<sub>0</sub>**: Item price in the base year.

**W**: Item weight in the base year.

Moreover, the index is calculated on the level of the class and then at the level of the section.

## 2. Index (value) exports

The Simple Aggregative Formula adopted in calculating the index value of exports, as follows:

$$I_V = \frac{\sum V_1}{\sum V_0} \times 100$$

Whereas:

**IV:** The index for the value of exports.

**V1:** Value in the comparison year.

**V0:** Value in the base year.

Moreover, the index calculated on the chapter level then at the level of the department.

## 3. Exports indices (quantity)

The amount of exports index = (value Index) / (price index) for exports.

## 4. Calculating the total index number for oil and non-oil exports

After calculating the indices of non-oil exports, the indices for oil exports is calculated the general index number of oil exports and non-oil is calculated as an average of the non-oil exports and the value of oil exports as follows:

$$\text{Exports index number (With crude oil) Value or price} = \frac{((\text{non-oil exports index number} * \text{weight}) + (\text{oil exports index number} * \text{weight}))}{100}$$

Where weight expresses the non-oil exports or the oil exports for the relative importance of exports in the base year 2012.

As for the quantity index number for total exports = (value index number) / (price index number)

## **Data sources**

Relining on the following group of sources in the Central statistical organization to calculate the export index numbers:

1. Export report, issued by Trade Statistics Department, (value ID) and weight (quantity KG).
2. Due to the lack of (commodity price) in the export report, it has been replaced by what are known as (unit value) which expresses the average price for the commodity mixture is homogeneous and equal to (source value of the commodity mix) / (weight).
3. Adopting the (commercial price) for the dollar exchange rate, available in the index numbers department.
4. (crude oil source) Data for quantity and value available in the national accounts department, to extract the record for oil exports.

## Indices indicators for exports year 2018 basis 2012

Table (1) shows the exports indices basis 2012 as below:

### **1. Total Indices for oil and non -Oil exports:**

The value index number reached (92.0) in 2018 with an increase from 2017 at a rate of (35.7%).

The quantity index number reached (158.3) in 2018 decreasing at a rate of (16.7%) from 2017.

The price index number reached (58.1) in 2018 with an increase from 2017 at a rate of (16.2%).

### **2. Index of non-oil exports:**

The value index number reached (8.3) in 2018 and increased from 2017 at a rate of (48.2%).

The quantity index number reached (9.4) in 2018 with an increase from 2017 at a rate of (56.7%).

The price index number reached (88.5) in 2018 with an increase of (5.9%) from 2017.

### **3. Oil exports indices:**

The value index number reached (92.3) in 2018 with an increase from 2017 at a rate of (35.7%).

The quantity index number reached (159.1) in 2018 with an increase from 2017 at a rate of (16.7%).

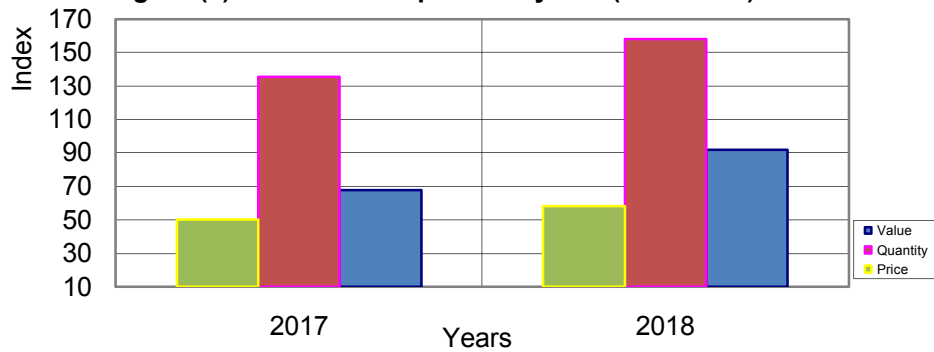
The price index number reached (58.0) in 2018 with an increase of (16.2%) from 2017.

**Exports index numbers and rate of change for years (2017-2018) basis  
2012**

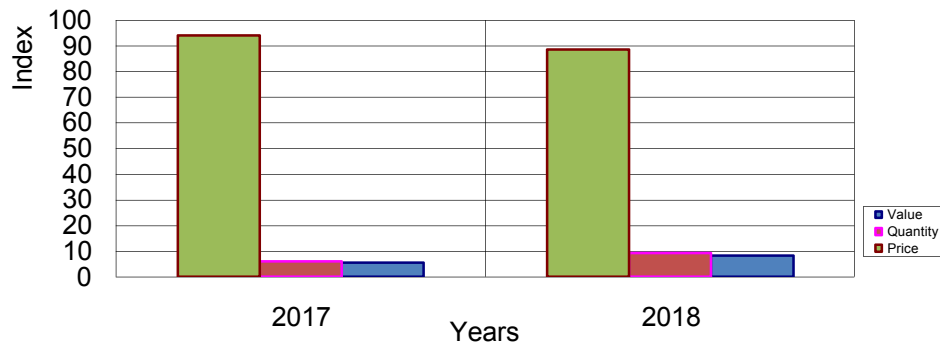
Table(1)

Exports type		index numbers for 2017	index numbers for 2018	change rate %
<b>Value</b>	<b>Total exports</b>	67.8	92.0	35.7
	<b>Non-oil exports</b>	5.6	8.3	48.2
	<b>Oil exports</b>	68.0	92.3	35.7
<b>Quantity</b>	<b>Total exports</b>	135.6	158.3	16.7
	<b>Non-oil exports</b>	6.0	9.4	56.7
	<b>Oil exports</b>	136.3	159.1	16.7
<b>Price</b>	<b>Total exports</b>	50.0	58.1	16.2
	<b>Non-oil exports</b>	94.0	88.5	-5.9
	<b>Oil exports</b>	49.9	58.0	16.2

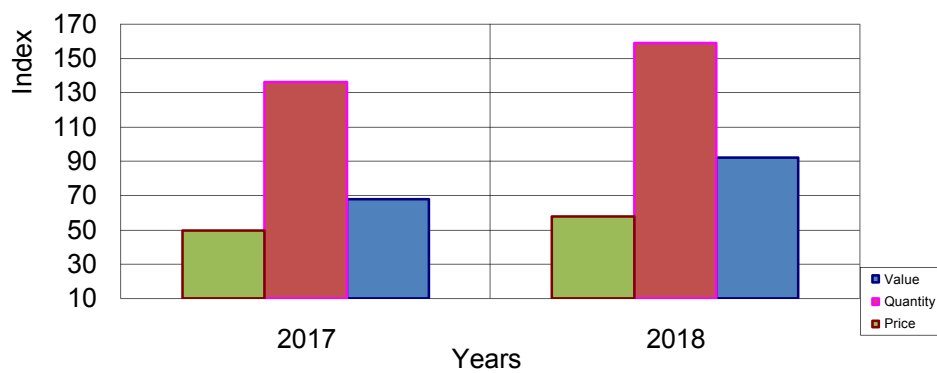
**Figure (1): index total exports for years (2016-2017) basis 2012**



**Figure (2): index non-oil exports for years (2016-2017) basis 2012**



**Figure (3): index oil exports for years (2016-2017) basis 2012**



## Index Number of non-oil exports by quarter for year 2018

Table (2)

(2012=100)

class	item	Base weight2012	Value index	Quantity index	Price index
Total class 01	Live animals	0.008	—	—	—
Total class 03	Fish and crustaceans, molluscs and other aquatic invertebrates.	0.034	—	—	—
Total class 05	Products of animal origin, not elsewhere specified or included.	1.452	80.3	25.6	314.0
Total class 08	Edible fruit and nuts; peel of citrus fruit or melons.	4.328	44.6	63.3	70.5
Total class 10	Cereals.	0.001	—	—	—
Total class 11	Products of the milling industry; malt; starches; inulin; wheat gluten.	0.002	—	—	—
Total class 12	Oil seeds and oleaginous fruits; miscellaneous grains, seeds and fruit; industrial or medicinal plants; straw and fodder.	0.002	—	—	—
Total class 13	Lac; gums, resins and other vegetable saps and EXtracts.	0.004	—	—	—
Total class 17	Sugars and sugar confectionery.	0.109	114.4	116.5	98.2
Total class 20	Preparations of vegetables, fruit, nuts or other parts of plants.	0.656	5.4	1080.0	0.5
Total class 25	Salt; sulphur; earths and stone; plastering materials, lime and cement.	1.474	—	—	—
Total class 27	Mineral fuels, mineral oils and products of their distillation; bituminous substances; mineral waxes.	12.858	30.7	25.1	122.1
Total class 28	Inorganic chemicals; organic or inorganic compounds of precious metals, of rare-earth metals, of radioactive elements or of isotopes	0.058	124.7	88.2	141.4



<b>Total class 29</b>	<b>Organic chemicals.</b>	<b>67.592</b>	—	—	—
<b>Total class 31</b>	<b>Fertilisers.</b>	<b>0.033</b>	—	—	—
<b>Total class 32</b>	<b>Tanning or dyeing EXtracts; tannins and their derivatives; dyes, pigments and other colouring matter; paints and varnishes; putty and other mastics; inks.</b>	<b>1.148</b>	—	—	—
<b>Total class 34</b>	<b>Soap, organic surface-active agents, washing preparations, lubricating preparations, artificial waxes, prepared waxes, polishing or scouring preparations, candles and similar articles, modelling pastes, "dental waxes" and dental preparations with a basis</b>	<b>0.670</b>	—	—	—
<b>Total class 38</b>	<b>Miscellaneous chemical products.</b>	<b>0.095</b>	475.0	190.0	250.0
<b>Total class 39</b>	<b>Plastics and articles thereof.</b>	<b>3.018</b>	—	—	—
<b>Total class 41</b>	<b>Raw hides and skins (other than furskins) and leather.</b>	<b>6.322</b>	9.4	940.0	1.0
<b>Total class 48</b>	<b>Paper and cardboard (carton); articles of cellulose pulp believe paper or paperboard</b>	<b>0.047</b>	—	—	—
<b>Total class 51</b>	<b>Wool, fine or coarse animal hair; horsehair yarn and woven fabric.</b>	<b>0.058</b>	—	—	—
<b>Total class 57</b>	<b>Carpets and other textile floor coverings of textile materials</b>	<b>0.034</b>	56.3	273.3	20.6
<b>general index of non oil exports</b>		<b>100</b>	8.3	9.4	88.5

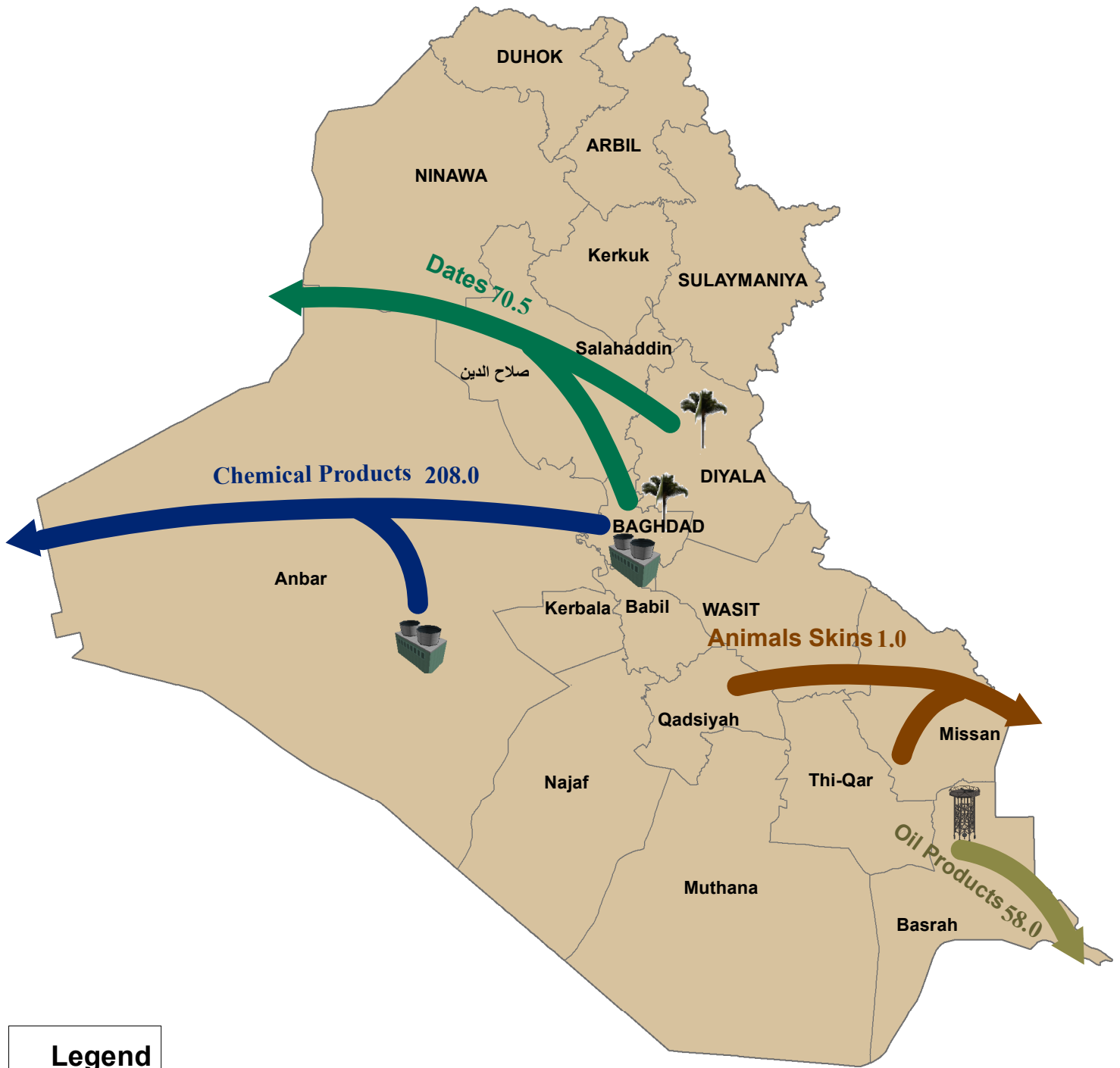
### Index number of non-oil exports by section for year 2018

Table (3)


(2012=100)

division HS	item	Base weight 2012	Value index	Quantity index	Price index
1 division	live animals; animal products	1.494	78.1	24.9	314.0
2 division	vegetable products	4.337	44.5	63.1	70.5
4 division	prepared foodstuffs	0.765	20.9	145.1	14.4
5 division	metal products	14.332	27.5	22.5	122.1
6 division	products of the chemical or allied industries	69.596	0.8	0.4	208.0
7 division	Plastics and products thereof	3.018	—	—	—
8 division	crude hides and skins	6.322	9.4	940.0	1.0
10 division	Paper and paperboard (carton) and Articles Thereof	0.047	—	—	—
11 division	Textile materials and articles thereof	0.092	20.9	101.5	20.6
<b>general index of non oil exports</b>		<b>100</b>	<b>8.3</b>	<b>9.4</b>	<b>88.5</b>

# Exports Price Index Numbers For 2018 Basis 2012



**Legend**

boundary 

**Note :**

- 1 - The most important export commodities have been chosen in Iraq.
- 2 - The most productive governorates for export commodities have been chosen in Iraq.

Index numbers for Exports for year 2018

**Exports index for years (2008 - 2018)**

Table (4)

(2007=100)

year	Value		Quantity		price	
	Non oil exports	Total exports	Non oil exports	Total exports	Non oil exports	Toal exports
<b>2008</b>	107.3	142.1	108.3	113.3	99.1	125.4
<b>2009</b>	58.2	98.6	53.7	116.1	108.4	84.9
<b>2010</b>	44.9	124.5	42.9	115.3	104.7	108.0
<b>2011</b>	51.7	197.9	36.3	132.0	142.5	149.9
<b>2012</b>	33.0	218.5	24.3	148.1	135.7	147.5
<b>2013</b>	30.0	218.5	20.0	145.7	150.0	150.0
<b>2014</b>	24.0	203.2	15.7	153.0	153.1	132.8
<b>2015</b>	12.6	121.7	14.5	182.5	87.3	66.7
<b>2016</b>	0.7	110.8	1.0	201.3	65.1	55.0
<b>2017</b>	1.8	148.1	1.5	200.8	127.6	73.8
<b>2018</b>	2.7	201.0	2.3	234.4	120.1	85.7

Note1: The years (2008-2013) numbers are actual indices based on 2007.

Note2: From 2014 above, index numbers will be calculated by linking chains for the base year 2007.

**Index total exports for years (1981 - 2018)**

Table (5)

(2007=100)

year	Index total exports		
	Value	Quantity	price
1981	27.2	51.3	53.0
1982	25.2	49.9	50.5
1983	19.5	42.8	45.6
1984	22.9	51.9	44.1
1985	26.8	64.7	41.4
1986	16.9	80.1	21.1
1987	27.5	104.6	26.3
1988	30.2	135.4	22.3
1989	38.0	149.0	25.5
1990	25.4	106.7	23.8
1991	1.0	3.8	26.2
1992	0.5	4.4	11.3
1993	0.9	4.0	22.3
1994	0.8	4.0	19.8
1995	1.2	4.2	28.7
1996	1.8	6.7	27.0
1997	11.3	44.3	25.5
1998	14.9	96.1	15.5
1999	30.5	129.2	23.6
2000	45.9	128.2	35.8
2001	38.0	127.9	29.7
2002	34.1	100.6	33.9
2003*	-	-	-
2004	44.6	95.3	46.8
2005	59.0	86.4	68.3
2006	77.1	92.6	83.3
2007	100	100	100
2008	142.1	113.3	125.4
2009	98.6	116.1	84.9
2010	124.5	115.3	108
2011	197.9	132	149.9
2012	218.5	148.1	147.5
2013	218.5	145.7	150
2014	203.2	153	132.8
2015	121.7	182.5	66.7
2016	110.8	201.3	55
2017	148.1	200.8	73.8
2018	201.0	234.4	85.7

Note1: The years (2001-2007) calculated by linking chains by the base year 2007.

Note2: The years (2008-2013) numbers are actual indices based on 2007.

Note3: From year 2014 & above, index numbers will be calculated by linking chains for base 2007.

\*External Trade Data is not available for the year 2003.