

## **CURRENT SITUATION IN THE FIELD OF PRODUCTION OF POULTRY PRODUCTS IN UKRAINE**

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**Abstract.** Data of the State Statistics Service of Ukraine for 2015 and for the first half-year of 2016 as well as information of literary sources in relation to development of the poultry farming for the above-mentioned period were analyzed and generalized in this article. According to the results, it is acknowledged that meat production in 2015 and for a period from January till June of 2016 is increased accordingly by 0.1 and 6.0 % in comparison with same previous periods (it was carried out by way of butchering for sale). Generally, production of birds' eggs of all poultry species at the agricultural enterprises of all forms of ownership for the period of investigation is decreased – by 14.3% in 2015 as compared with the year of 2014 and by 13.8 % – for the first half-year of 2016. Losses of eggs production is conditioned upon decrease of egg laying stock at agricultural enterprises in 15 regions of Ukraine, including in Donetsk region – by 75.1 % and in Luhansk region – by 44.5 % (the difference between data available of January 1, 2015 and data available of January 1, 2016). Absence of substantial increase of production of poultry meat and decrease of quantity of eggs is conditioned upon military operations in the East of Ukraine and annexation of Crimea.

**Keywords:** *poultry, poultry meat, eggs, livestock.*

**Introduction.** The poultry farming is perspective industry of modern stock-raising not only in Ukraine but also all over the world. Thus, specialized poultry farming for production of meat and eggs is important. Growth of demand for poultry meat and high turnover of capital assist to high growth of the poultry farming.

Besides, prices for chicken are smaller than prices for pork and beef. Accordingly, poultry meat is the most accessible product for people. Concerning eating eggs, the dietary properties of this product are generally known. In fact, that an albumen of chicken eggs is the standard of nutrient-enriched food and it is necessarily should be included in the food ration of people. Thus, analysis and generalization of statistical data on production of eggs and poultry meat in Ukraine for last period are actual, namely: for 2015 and for the first half-year of 2016.

**Analysis of recent researches and publications.** Over the last years, there is a tendency to increase production of poultry meat in Ukraine as well as in developed states and developing states of the world [8]. Group of Companies "Myronivsky Plant" (MHP) is the greatest group of producers of poultry meat in Ukraine. Its part in 2015 was 40.7% according to rating, given on the basis of data of analytical company "AR-group" [6]. During 2015 the MHP "Peremoga Nova" broiler poultry farm had been reconstructed and assigned a status of parent stock poultry farm. At "Oril-Leader" poultry farm and "Myronivska" poultry farm the capacities for growing poultry were extended. In Myronivka, a new laboratory for the needs of «Lehko» Meat Processing Plant, Myronivsky Plant for Manufacturing Groats and Feeds and Myronivska Poultry Farm, was put into operation.

"Complex Agromars" LLC occupies the second place according to the rating list – 9.2 %. The third place belongs to the corporation "Agro-Oven" – 4.6 %.

Concerning production of eggs in Ukraine, according to the rating list of "TOP-7" the greatest producers of eggs in Ukraine in 2015 are as follows: the first three places belong accordingly to Group of Companies "AVANGARDCO IPL" (56,1 %), Group of Companies "Ovostar Union" (8,7 %) and to the Limited Liability Company "Inter-Zaporizhzhia" LLC (8.1 %) [5]. Position of the company in the rating list was determined according to its part, occupied by this company in the market.

"AVANGARDCO IPL" is one of the leading agro-industrial companies in Ukraine, specialising in the production of shell eggs and dry egg products. The Company's flock of laying hens is one of the largest globally.

**Purpose.** It is necessary to analyze and generalize data of the State Statistics Service of Ukraine for 2015 and for the first half-year of 2016 as well as information of literary sources in relation to development of the poultry farming for the above-mentioned period.

**Results.** Final data of the State Statistics Service of Ukraine [3] confirm that during a period from January till December, 2015 agricultural enterprises carried out butchering of bird at the amount of 1262.1 thousand tons of body weight, including broilers – 1209.4 thousand tones, that is more as compared to a previous year accordingly by 0.1% and 1.8%. In 2015 the first place on production of poultry meat was taken by Vinnitsia region, as well as the second place was taken by Cherkasy region, due to poultry farms, which belong to the vertically integrated holding Public Joint-Stock Company "Myronivskiy khiboproduct".

According to data of the State Statistics Service of Ukraine [4] for the first half-year of 2016 it should be noted that increase of quantity of bird butchering was carried out – by 6.0 % (Table 1). The first place and the second place were taken accordingly by Vinnytsia region and Cherkasy region in relation to the volume of sale of poultry products.

**1. Carrying out of bird butchering for sale (in body weight) for a period from January till June, 2015 and a period from January till June, 2016, thousand tones\***

Region	Poultry			Including broilers		
	2015	2016	2016 to 2015, %	2015	2016	2016 to 2015, %
Ukraine	615.3	652.1	106.0	587.7	622.9	106.0
Vinnitsa	167.4	185.3	110.7	167.0	184.5	110.5
Volyn	39.5	39.0	98.7	39.5	39.0	98.7
Dnipropetrovsk	99.8	109.1	109.3	98.3	107.8	109.7
Donetsk	3.6	2.6	72.2	2.6	2.0	76.9
Zhytomyr	0.7	1.2	171.4	0.5	0.8	160.0
Zakarpattia	0.0	0.4	–	0.0	0.4	–
Zaporizhia	4.8	4.5	93.8	3.8	4.1	107.9
Ivano-Frankivsk	7.3	5.7	78.1	4.1	2.4	58.5
Kyiv	80.0	65.7	82.1	74.1	60.1	81.1
Kirovohrad	0.1	0.3	300.0	–	0.0	–
Lugansk	–	–	–	–	–	–
Lviv	19.6	20.1	102.6	19.6	20.0	102.0
Mykolaiv	0.4	0.5	125.0	–	–	–
Odessa	0.0	0.0	–	–	–	–
Poltava	0.1	0.1	100.0	0.0	0.0	–
Rivne	6.6	6.8	103.0	6.6	6.8	103.0
Sums	2.2	2.9	131.8	1.9	2.4	126.3
Ternopil	2.8	2.1	75.0	2.5	1.5	60.0
Kharkov	7.4	15.2	205.4	6.2	14.5	233.9
Herson	3.8	1.1	28.9	–	0.1	–
Khmelnitsky	5.4	6.3	116.7	5.2	4.8	92.3
Cherkassy	156.8	176.8	112.8	155.4	171.6	110.4
Chernivtsi	6.6	6.4	97.0	0.0	0.1	–
Chernihiv	0.4	0.0	–	0.4	–	–

*Note\* –Data of the State Statistics Service of Ukraine, given without taking into account of temporary occupied territory of the Autonomous Republic of Crimea and Sevastopol city [4].*

It should be noted that in 2015 production of eggs was decreased essentially [3,7]. For example, production of eggs in the farms of all categories of all birds' species was at the amount of 16780.4 million pieces for a period from January till December, 2015, that is less than in 2014 by 14.3 %. Including: production of eggs at the agricultural enterprises was

9761.2 million pieces (that is less by 22.1%), and at the private farms of population – 7114.9 million pieces (Table.2). Thus, the best results in relation to the production of eggs of all birds' species in the farms of all categories were attained in the following regions: Kyiv region (2742.5 million pieces), Khmelnytsk region (1641.2 million pieces) and Kherson region (1590.6 million pieces). Production of eggs was decreased substantially in Donetsk region (by 62.3%) and Luhansk region (by 74.8%). Production of eggs was but not by much in such regions as Volyn region, Zakarpattia region, Kirovohrad region, Lviv region and Chernihiv region. Production loss of eggs of bird on the whole in Ukraine took place due to reduction of indices at the agricultural enterprises – by 22.1 %. Production of hen's (chicken) eggs was 9655.0 million pieces, that is 99.3 % of total amount of production of eggs of all birds species in the agricultural enterprises on the whole in Ukraine. Thus, production loss of eggs is conditioned by reduction of laying chickens-hens, foremost in 15 regions of Ukraine at agricultural enterprises, including Donetsk region – by 75.1 % and Luhansk region – by 44.5 % (difference in comparison with data available of January 1, 2016 and January 1, 2015). Generally, poultry stock of all birds' species was decreased of all birds' species in 2015. Thus, on the data available of January 1, 2016 the quantity of poultry stock of all birds species at poultry farms of all categories was 209973.5 thousand pieces, that is less by 1,6% in comparison with data available of January 1, 2015.

Poultry stock at the agricultural enterprises on the data available of January 1, 2016 was 118031.2 thousand pieces, that is less by 3.3 % in comparison with data of previous year.

Thus, average number of stock of laying chickens-hens is 36762,5 thousand pieces. In 2015 against the backdrop of general decrease of number of bird at poultry farms of all categories, there has been observed a tendency of increase of poultry stock of all poultry species at private farms of people as in 2014. Thus, the poultry stock at private poultry farms of people was 91942.3 thousand pieces that is more than in previous year by 0.7%. Data of the State Statistics Service of Ukraine confirm that tendency of decrease of eggs production was observed during a period from January till June, 2016 [4]. Total decrease of eggs production was observed by 13,8 % in comparison with the same period in 2015, including at the agricultural enterprises – by 24.1 % (Table 2).

The same dynamics in relation to poultry stock was continued in the first half-year as in 2015, namely: total quantity of bird was decreased by 4.5% at the agricultural enterprises. In the private farms of people averagely in Ukraine the quantity of bird was increased by 0.3%. Taking into account that more than 50% of bird was concentrated in the private farms of people, it is important to give attention to the household plots. O.V. Tereshchenko [9] observed that for successful development of economies of farm and household economies, as component of industry, it is necessary to minimize the use of the imbalanced

feed, to develop the system of provision of compound animal feeding stuff for producers of high quality. Thus, producers of compound animal feeding stuff should be oriented to such consumers as small farmer and household plots. Thus, "Feedlife" LLC annually realizes the determined amount of its products (compound animal feeding stuff, albuminous-vitamin-mineral additions, combined feed-concentrates) for a bird, kept at household plots [2]. Thus, statistical data in relation to poultry stock and production of poultry products in 2015 and during the first half-year of 2016 confirm that global problems, existing at the present time in our state affected negatively to activity of poultry farming enterprises, that lead to decrease of poultry stock and eggs production.

## **2. Production of chicken eggs at agricultural enterprises for a period from of January - June, 2015 and a period from of January-June, 2016, millions pieces**

Region	2015, January-June	2016, January-June	2016 to 2015, % (January-June)
Ukraine	5244.7	3974.4	75.8
Vinnitsa	145.0	168.4	116.1
Volyn	11.9	14.6	122.7
Dnipropetrovsk	357.8	273.7	76.5
Donetsk	146.5	107.8	73.6
Zhytomyr	25.1	34.5	137.5
Zakarpattia	0.6	0.2	33.3
Zaporizhia	261.0	253.4	97.1
Ivano-Frankivsk	247.9	99.0	39.9
Kyiv	1177.7	1108.3	94.1
Kirovohrad	51.7	37.4	72.3
Lugansk	1.9	1.6	84.2
Lviv	27.8	27.0	97.1
Mykolaiv	73.9	52.7	71.3
Odessa	5.4	4.8	88.9
Poltava	220.7	236.9	107.3
Rivne	101.5	97.1	95.7
Sums	81.2	73.0	89.9
Ternopil	120.1	137.4	114.4
Kharkov	243.7	69.3	28.4
Herson	778.6	474.5	60.9
Khmelnitsky	814.0	495.3	60.8
Cherkassy	248.2	124.6	50.2
Chernivtsi	72.5	51.4	70.9
Chernihiv	30.0	31.5	105.0

*Note\* – Data of the State Statistics Service of Ukraine, given without taking into account of temporary occupied territory of the Autonomous Republic of Crimea and Sevastopol city [4].*

Taking into account that industry of the poultry farming develops rapidly it is necessary to decide the problem of provision of well-qualified personnel. Thus, at the present time training of personnel for the industry of poultry farming is carried out by the department of poultry farming and stock raising of the National University of Life and Environmental Sciences of Ukraine, where well-qualified specialists work and material and technical base is available [1].

### **Discussion**

1. Data of the State Statistics Service of Ukraine confirm that meat production in 2015 and for a period from January till June of 2016 is increased accordingly by 0.1 and 6.0 % in comparison with same previous periods (it was carried out by way of butchering for sale).

2. Generally production of birds' eggs of all poultry species at the agricultural enterprises of all forms of ownership for the period of investigation is decreased –by 14.3% in 2015 and by 13.8 % – for the first half-year of 2016 (in comparison with the same previous periods).

3. Losses of eggs production is conditioned upon decrease of egg laying stock at agricultural enterprises in 15 regions of Ukraine, including in Donetsk region – by 75.1 % and in Luhansk region – by 44.5 % (the difference between data available of January 1, 2015 and data available of January 1, 2016).

4. The prospects of further research are necessity of carrying out of analysis and generalization of dynamics of data in relation to production of poultry products on the basis of consumption per head of population.

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### ПРОИЗВОДСТВО ПРОДУКЦИИ ПТИЦЕВОДСТВА В УКРАИНЕ НА СОВРЕМЕННОМ ЭТАПЕ

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**Аннотация.** В статье проанализированы и обобщены данные Государственной службы статистики Украины за 2015 год и за первое полугодие 2016-го, а также информацию литературных источников по развитию птицеводства за указанный период.

Результаты исследований свидетельствуют, что производство мяса как в 2015 году, так и за январь-июнь 2016 года, по сравнению с аналогичными предыдущими периодами, увеличилось соответственно на 0,1 и 6,0% (реализовано на убой в живой массе). Производство яиц птицы всех видов в целом в хозяйствах всех форм собственности за исследуемый период уменьшилось на 14,3% в 2015 году и на 13,8% – за первое полугодие 2016 года. Снижение производства яиц обусловлено уменьшением поголовья кур-несушек в сельскохозяйственных предприятиях 15 областей Украины, в том числе в Донецкой – на 75,1% и в Луганской – на 44,5% (разница с данными на 1 января 2016 и 2015 годов). Общее поголовье птицы в хозяйствах всех категорий уменьшилось в 2015 году на 1,6%, за январь-июнь 2016-го – на 4,5%. Отсутствие существенного увеличения производства мяса птицы и уменьшение количества производимых яиц обусловлено военными действиями на Востоке Украины и аннексией Крыма.

**Ключевые слова:** птицеводство, мясо птицы, яйца, поголовье птицы.

## **СУЧАСНИЙ СТАН ВИРОБНИЦТВА ПРОДУКЦІЇ ПТАХІВНИЦТВА В УКРАЇНІ**

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**Анотація.** У статті проаналізовано та узагальнено дані Державної служби статистики України за 2015 рік та за перше півріччя 2016-го, а також інформацію літературних джерел стосовно розвитку птахівництва за вказаний період. Результати досліджень свідчать, що виробництво м'яса як у 2015 році, так і за січень-червень 2016-го, порівняно з аналогічними попередніми періодами, збільшилось відповідно на 0,1 і 6,0 % (реалізовано на забій у живій масі). Виробництво яєць птиці усіх видів загалом у господарствах усіх форм власності за досліджуваний період зменшилось – на 14,3% у 2015 році і на 13,8% – за перше півріччя 2016 року. Зниження виробництва яєць обумовлено зменшенням поголів'я курей-несучок у сільськогосподарських підприємствах 15 областей України, у тому числі у Донецькій – на 75,1 % та у Луганській – на 44,5 % (різниця з даними на 1 січня 2016 і 2015 років). Загальне поголів'я птиці в господарствах усіх категорій зменшилася у 2015 році на 1,6%, за січень-червень 2016-го – на 4,5%. Відсутність суттєвого збільшення виробництва м'яса птиці і зменшення кількості одержаних яєць обумовлено військовими діями на Сході України та анексією Криму.

**Ключові слова:** птахівництво, м'ясо птиці, яйця, поголів'я птиці.