

STATE SUPPORT OF THE HORTICULTURE

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The author has studied the state support of the horticulture. The volumes of the state financing have been analyzed. The perspective directions of using the duty for the development of the horti- and viticulture and hop-growing have been substantiated.

Under present day economic situation it is the problem of restoring the inland horticulture on the scales which make it possible to meet the population needs in fruits and small fruits that becomes especially acute [1]. Taking into consideration the significant dependence of the fruits and small fruits production on the natural and economic conditions, capital output ratio and long-term payback of the recovery of the return cost for the establishment of orchards the development of the branch demands the most radical and high effective state regulation and support.

The problems of the horticulture effective functioning and its financial ensuring were considered in the paper by O.Y. Ermakov, V.A. Rulyev, O.M. Shestopal' [3], A.I. Shumeiko, O.O. Yatsukh [4] and others. Most of the scientists associated the necessity of the branch regulation by the state, above all, with the disparity of prices of the industrial and fruit and small fruit products as well as with the essential influence of the climatic conditions on the efficiency of the fruits and small fruits production. At the same time they note imperfect and insufficiency of the support on the part of the state. Thus it is of special importance to investigate the budget financing of the branch in the present day conditions.

The aim of our researches is study of the modern situation with the state financial support of the branch and substantiation of the main directions.

Methods. The theoretical and legislative basis of research became scientific papers on the problems of the horticulture development, legislative acts as well as the data of the Ministry of the Agrarian Policy and Provisions of Ukraine. The following general scientific methods were used analytical, abstract-logical, economic and statistic.

Results. The state support of the horticulture development is realized according to the Act of Ukraine (April 9.1999. №587) "Duty For The Development Of Viticulture, Horticulture And Hop-Growing" and "The Order Of The Realization And Usage Of The Costs For The Development Of Viticulture, Horticulture And Hop Growing»" affirmed by the decision of the Cabinet of Ministers of Ukraine (July 15.2005, № 587).

Payers of the duty are subjects of the entrepreneurial activities irrespective of forms of property and subordination. Those subjects realize alcohol drinks and beer in the wholesale and retail trade network. The rate of the duty was 1% of the gains

obtained as a result of those products realization. Beginning from August 1.2011 the payers of the duty pay it at a rate of 1.5% of the taxation object. This is anticipated by the Act of Ukraine (July 07.2011. № 3609-VI “Changes Into The Taxation Code of Ukraine And Certain Other Legislative Acts Of Ukraine Concerning The Improvement of Certain Standards Of The Taxation Code Of Ukraine” which amended the change into the Act of Ukraine “The Duty For The Development Of Viticulture, Horticulture And Hop Growing” [2].

At the expense of this duty according to the Standards expenses are compensated on the establishment of orchards, their management before the beginning of the fruit-bearing (draft operations, preparation of soil and planting, management of orchards, installation of trellis, systems of the drop irrigation), acquisitions of the materials necessary for carrying out such operations and planting trees used for the repair of young orchards which suffered from unfavorable weather conditions. Besides, financing of expenses is anticipated associated with carrying out researches and realization of developments, consolidation of the material-technical basis of branch research institutions and their experimental farms.

The increase of the duty rate to 1.5% enabled to raise the level of those expenses compensation and to ensure the branch with the costs for the modernization of the production at the enterprises that grow fruits and small fruits.

In the year 2009 the following expenses were included into the list of those which are to be compensated for the building of refrigerators with controlled atmosphere with a volume from 500 t for the storage of grapes table cultivars and fruits made in farms whereas in 2012:

- building of water accumulative reservoirs to ensure uninterrupted water supply of the drop irrigation networks for purpose of timely watering of vineyards and orchards;

- stubbing of unproductive perennial orchards (after planting of new fruit, small fruit and grape plantations on the analogous areas in the year under review);

- acquisition of machines (among them imported that are not produced in Ukraine) for carrying out technological operations in viti- and horticulture and hop growing, new equipment for the fruits sublimative drying as well as lines for sorting fruit and berries;

- building of laboratory complexes by nursery farms for the production of the virus-free planting stock and refrigerating chambers for the fast freezing of fruits and berries by producers of such products;

- modernization of the refrigerating and gas regime of the fruit and berries storage in reconstructed refrigerators with a volume from 500 t.

Data about the use of the costs from the duty for the development of viti- and horticulture and hop-growing in 2010-2012 are presented in table 1.

During the above mentioned years 45.5 thus. ha of vine-yards and 48.9 thus. ha fruit and small fruit plantations were established by the subjects of farm with the state support. Trellis and installations for the drop irrigation were built there areas of 53.1 thus. ha and 31.0 thus. ha respectively (table 2).

1. Use of the costs from the duty for the development of viti- and horticulture and hop-growing in 2010-2012*

	2010		2011		2012	
	mln	%	mln	%	mln	%
Horticulture	148,3	39,2	163,6	34,6	190,4	38,1
Viticulture	167,8	44,4	148,7	31,5	92,3	18,5
Building of refrigerators	61,8	16,4	149	31,5	64,5	12,9
Construction of the material and technical basis of the branch research institutions	0	0	4	0,8	36,4	7,3
Financing of research works	0	0	7	1,5	16	3,2
Total	377,9	100	472,4	100	499,5	100

* The calculation was made on the basis of the data of the Ministry of the Agrarian Policy and Provision of Ukraine.

2. Establishment of fruit and small fruit plantations and the funding of those works at the cost of the state budget, 2000-2012*

Years	Areas on which the plantations were established, thus ha	Financing			
		total		per 1 ha	
		mln.grn.	rate, %	mln.grn.	rate, %
2000	4,5	34,9	-	7,8	-
2001	5,3	44,9	128,7	8,5	109,0
2002	3,7	48,6	108,2	13,1	154,1
2003	4	52,2	107,4	13,1	100,0
2004	4	30,2	57,9	7,6	58,0
2005	4,3	51,7	171,2	12,0	157,9
2006	3,8	61,2	118,4	16,1	134,2
2007	3,9	97,7	159,6	25,1	155,9
2008	3,5	113,4	116,1	32,4	129,1
2009	2,7	123,6	109,0	45,8	141,4
2010	3	148,3	120,0	49,4	107,9
2011	3,1	163,6	110,3	52,8	106,9
2012	3,1	190,4	116,4	61,4	116,3
Total	48,9	1160,7	x	23,7	x

* The calculation was made on the basis of the data of the Ministry of the Agrarian Policy and Provision of Ukraine.

In particular, new intensive plantations of fruit and small fruit crops were planted which thanks to the application of drop irrigation system as well as of vegetative rootstocks and promising cultivars will make it possible in future to avoid the fruit bearing periodicity and achieve much higher yields as compared to old orchards. During the latest three years the creation of fruit and small fruit crops plantations (an area of 9.2 thus. ha) was compensated at the expense of the duty costs as well as the installation of trellis (2.5 thus. ha) and building of irrigation systems (3.8 thus. ha). Besides, 22 refrigerators with controlled atmosphere and a capacity of 50317 t were put into operation and 358.2 mln. grn. compensated (table 3).

3. Financing of building and putting into operation of refrigerators with controlled atmosphere at the cost of the duty for the development of viti- and horticulture and hop growing*

Year	Amount	Capacity, t	Compensated, mln.grn.
2009	7	12735	82,9
2010	3	8177	61,8
2011	7	22300	149,0
2012	5	7105	64,5
Total	22	50317	358,2

* The calculation was made on the basis of the data of the Ministry of the Agrarian Policy and Provision of Ukraine.

In the above mentioned period according to the data of the Ministry of Agrarian Policy and Provisions 6.5 mlrd.grn. in all were envisaged by subjects of farming at the cost of drawn investments bank credits and their own costs for the development of horti- and viticulture, among them 3.2 mlrd.grn., that is 49% were compensated from the state budget, in particular, in horticulture about 45% and in viticulture 55%.

Despite the positive upheavals today the branch of horticultures till has a great many unsettled problems.

For instance, in the agricultural enterprises about 25 thus. ha of orchards at the age of orchards at the age of 20-30 years are registered, that is more than one third of the fruit- bearing ones. They are very sparse and lose quantitative and qualitative indexes of yield and therefore must be substituted.

In spite of the fact that a great refrigerators have been put into operation their capacity is still insufficient for the storage of the high quality fruits grown in Ukraine. Therefore a considerable part of producers in the season when the market is full of their products to the greatest degree has to realize them at low prices that causes reduction of the production efficiency. That's why the state support of the branch remains today no less actual than it was when the duty was introduced. In order to increase the effectivity of its usage for the purpose of the further horticulture development in prospect it is necessary to:

- prolong the compensation of the expenses to the producers for the establishment and management of the orchards, the compensation of those for the plant protection from unfavorable weather conditions being anticipated, namely: installation of anti – hail nets, anti-frost films, means for air mixing in orchards etc.;
- increase the compensation of the expenses for the establishment of stone fruit orchards in order to stimulate their production;
- anticipate the compensation of the costs to nursery farms for the creation of basic mother gardens, acquisition of machinery and equipment for their management on condition that those farms increase the production of planting stock;
- prolong the financing of the expenses connected with the transfer of horticulture on the virus-free basis.

The increase of the volumes of the virus-free planting stock production is possible only when biotechnological methods of diagnosis, sanitation and accelerated propagation of basic clones are widely introduced, namely: tissue culture, soft cutting and so on.

The building of the biotechnological complex to a total value of 53 mln.grn. was begun at the Institute of Horticulture of NAAS in 2012. The use of its capacities will make it possible to transfer fully the fruit growing in Ukraine on the virus-free basis.

It is necessary as well to increase financing for the consolidation of the material and technical basis of scientific institutions. The acquisition of modern instruments and laboratory equipment will enable to increase the level of fundamental researches and improve considerable the scientific support of the branch.

Conclusions. The problem of increasing the effectivity of the state regulation of horticulture and of the volume of its budget financing becomes more and more actual. The important source of the formation of the horticultural enterprises financial resources and the branch restoration remains the duty for the development of viti- and horticulture and hop-growing. But taking into consideration the high capital capacity of the intense orchards establishment and acuteness of the problem of investing the creation and restoration of orchards it is necessary to review within the available financial possibilities and determine the priority directions of supporting the development of horticulture and nursery practice for the nearest prospect.

REFERENCES

1. Branch Programme of the horticulture development in Ukraine for the period up to 2025. – Kyiv, 2008. – 76 p.
2. Act of Ukraine ‘Duty For The Development Of Viticulture, Horticulture And Hop-Growing’ from 06.12.2012, № 5515-VI (5515-17) [Electronic Resource]. – Mode of access: zakon.rada.gov.ua/laws/show/587-14.
3. Economy and organization of the industrial horticulture in Ukraine / [Shestopal' O.M., Rulyev V.A., Kondratenko P.V. et al.] ed. O.M.Shestopal'. – K.: IAE NNC, 2010. – 334 p.
4. Yatsukh O.O. Peculiarities of the state horticulture financing / Yatsukh O.O.// Visnyk L'vivs'kogo Natsional'nogo Agrarnogo Universytetu: col. scient. papers. – 2009. – 16 (1). – P. 83-85.

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Государственная поддержка отрасли садоводства

Учитывая значительную зависимость плодоягодного производства от природно-климатических условий, капиталоемкость и длительный срок окупаемости инвестиций на создание многолетних насаждений, развитие отрасли требует активной государственной поддержки.

Целью данной работы является изучение современного состояния государственной финансовой поддержки садоводства и обоснование основных ее направлений на перспективу.

Теоретической и методологической основой исследований стали научные труды по проблемам развития садоводства, законодательные акты, а также данные Министерства аграрной политики и продовольствия Украины. Используются такие общенаучные методы: аналитический, абстрактно-логический, экономико-статистический.

Автором изучены особенности и современное состояние государственной поддержки садоводства, проанализированы объемы его государственного финансирования. В 2000 – 2012 гг. субъектам хозяйствования за счет сбора на развитие виноградарства, садоводства и хмелеводства компенсировано 1160,7 млн грн на создание 48,9 тыс. га плодово-ягодных насаждений, а в 2009 – 2012 гг. — соответственно 358,2 млн грн на строительство 22 холодильников с регулируемой газовой средой емкостью 50,3 тыс. т. Автором обоснованы перспективные направления использования сбора.

Таким образом, важным источником формирования финансовых ресурсов садоводческих предприятий остается сбор на развитие виноградарства, садоводства и хмелеводства. Но для эффективного его использования необходимо пересматривать и определять в рамках существующих финансовых возможностей приоритетные направления поддержки плодopоизводства на ближайшую перспективу.

Ключевые слова: государственное финансирование, садоводство, закладка молодых садов, инвестиции.

Varabash L.O.

State support of the horticulture

Taking into consideration the significant dependence of the fruit and small fruit production on the natural and climatic conditions, capital capacity and long term of covering the investments for the creation of perennial plantations, the branch development demands active state support.

The aim of our researches is study of the modern situation with the state financial support of the branch and substantiation of its main directions for the prospect.

The theoretical and legislative basis of the researches became scientific papers on the problems of the fruit growing development, legislative acts as well as the data of the Ministry of the Agrarian Policy and Provisions of Ukraine. The following

general scientific methods were used: analytical, abstract-logical, economic and statistic.

The author has studied the peculiarities and modern situation concerning the state support of the horticulture. The volumes of its state financing was analyzed. In 2000 – 2012 1160.7 mln. grn. were compensated to the subjects of the farming at the expense of this duty for the establishment of 48.9 thus. ha of fruit and berry plantations and in 2009 – 2012 358.2 mln. grn. for the building of 22 refrigerators with controlled atmosphere at a volume of 50.3 thus. t. The perspective directions of using the duty for the development of the horti- and viticulture and hop-growing have been substantiated.

The important source of the formation of the horticultural enterprises financial resources and the branch restoration remains the duty for the development of viti- and horticulture and hop-growing. But taking into consideration the high capital capacity of the intense orchards establishment and acuteness of the problem of investing the creation and restoration of orchards it is necessary to review within the available financial possibilities and determine the priority directions of supporting the development of horticulture and nursery practice for the nearest prospect.

Key words: *state financing, horticulture, establishment of young orchards, investment.*