

: 631.11:338.43(477)

The article presents an analysis of the factors influencing on the development of market forms of management in the agriculture of Ukraine. The tendencies of development of such forms of management as farms, agricultural enterprises, personal peasant farms are determined. The comparative efficiency of the analyzed forms of management in the agriculture of Ukraine has been researched. The forecast of the gross agricultural product for the considered forms of management in 2013 in percentage of baseline data in 1990 has been made via developed models.

**Keywords:** agriculture of Ukraine, productive forces, forms of management, comparative efficiency, economic-mathematical model.

1991 .,  
2008-2009  
2011 .,  
2010 .  
1991 .,  
41,6%;  
31,3%;  
30%;  
27,2%;  
6% [1; 4; 5].

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1.  
1990-2010 .( 1990 .)

1990	100	100	100	100
1991	88,5	85,8	0	93
1992	81,2	73,2	33,2	95,9
1993	82,1	72,5	40,9	99,7
1994	69	58,6	27,9	87,7
1995	66,2	53,5	28,7	88,8
1996	60	42,5	20,9	90,6
1997	59	40,6	25,7	90,7
1998	53,5	34,5	20,2	85,8
1999	50,1	31,6	23,1	80,4
2000	54,4	32	28,6	90,2
2001	63,8	42,7	35,3	87,6
2002	65	44,4	36,1	85,8
2003	58,3	36,4	22,8	78,4
2004	70,3	54,8	36,8	82,4
2005	70,9	60,5	37,6	78,2
2006	73,2	70,4	43	74,7
2007	68,7	71,1	34,8	68
2008	80,7	94,6	57,2	71,5
2009	79,5	92,5	48,6	71,8
2010	78,3	91,6	48	70,5

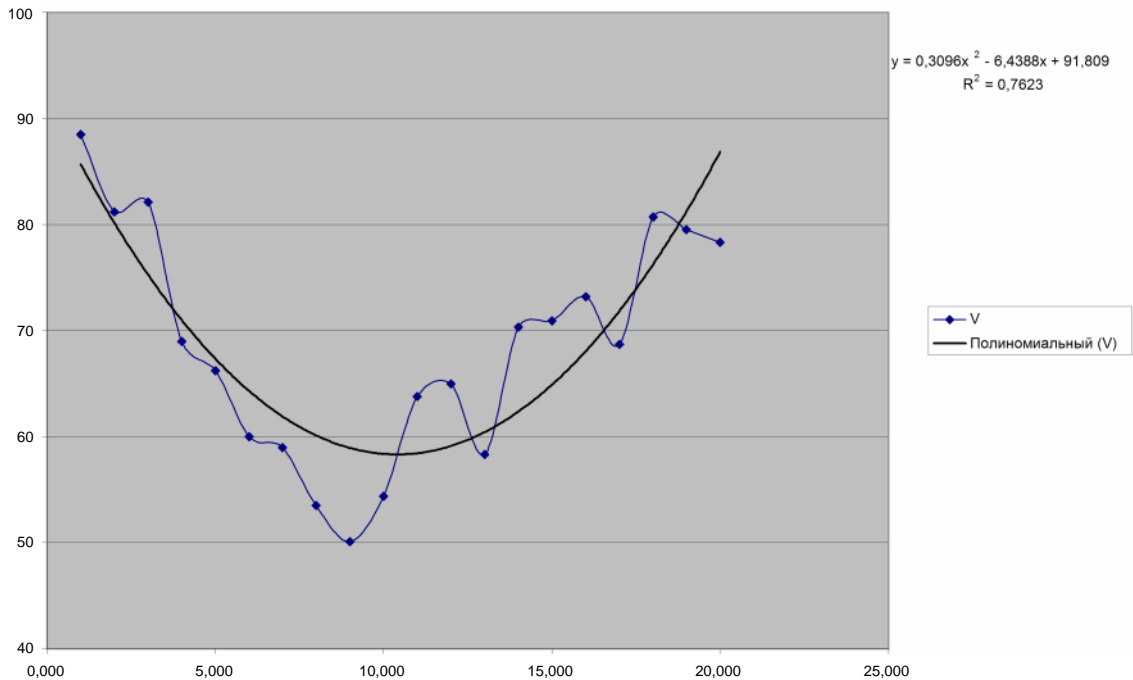
’ : ( ),  
 , , .  
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 , - 1993 .  
 , - 1990 .  
 «  
 » [2].

1990 . 2010 .  
 1990 . ( . 1).

1999 .  
 , 2000

1998 ..

$$V = 91,809 - 6,439t + 0,31t^2.$$



.1.

t = 1, 1992 .- t = 20, 2010 .- t = 20, 1991 .

$F = \frac{R^2}{1-R^2} \frac{n-m-1}{m}$ ,  $n = 20$  - 2013 . 1990  
 $m = 2$ ,  $F(0,95; 2; 17) = 3,6$ .  
 $F > F(0,95; 2; 17)$ ,  
 $p = 0,95$ ,  $k_1 = m = 2, k_2 = 17$   
 $V_{t+\tau}$  (t + \tau)  
 $\tau > 1$

$$e_{t+\tau} = V_{t+\tau} - f_{t+\tau}$$

$$M(e^2_{t+\tau}) = M\{(y_{t+\tau} - f_{t+\tau})^2\}$$

$$V = 0,6343t^2 - 12,238t + 96,674;$$

$$V = 0,1755t^2 - 2,6241t + 36,271;$$

$$V = -0,0327t^2 - 0,7149t + 95,786.$$

$$V_{\min} = V_{p|t_0} - \Delta(t_0)$$

$$V_{\rho} = a_2 t_0^2 + a_1 t + a_0$$

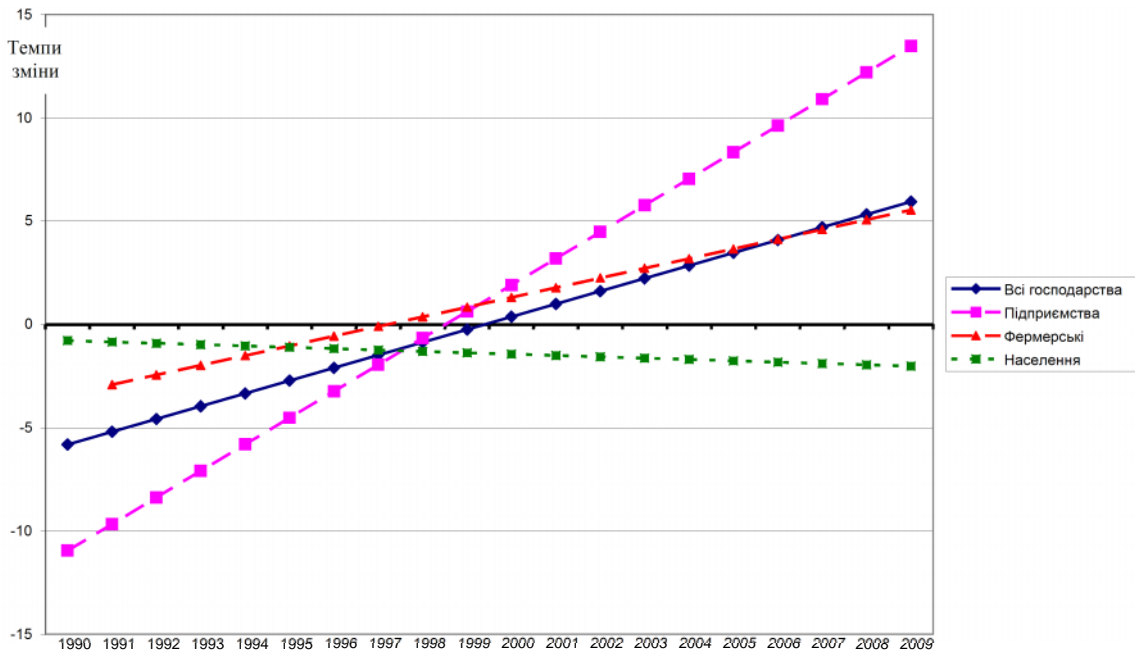
$$\Delta(t_0) = \sigma t(p, k) \sqrt{T'_{np} (T' T)^{-1} T'_{np}}$$

$$dV/dt = 0,62t - 6,439;$$

$$dV/dt = 1,2686t - 12,238;$$

$$dV/dt = 0,351t - 2,6241;$$

$$dV/dt = -0,0654t - 0,7149 \quad (.2).$$



. 2.

( 1990 ).

$$\Delta(t_0) = \sigma t(p, k) \sqrt{T_{np} (T^T T)^{-1} T_{np}^t} \quad ( . 2).$$

( . 3-6,

$t = 1; 1991 .$   
 $t = 2 . ., 2010 . -$   
 $t = 20). \quad 2013 .$

$t_{ij} = t_i^{j-1}; i = 1, 2, 3, \dots, n; j = 1, 2, 3; \quad = (1, t_0, t_0^2),$   
 $T_{ij} = T_i^{j-1}; i = 1, 2, 3, \dots, n; j = 1, 2, 3;$   
 $T_{ij} = T_i^{j-1}; i = 1, 2, 3, \dots, n; j = 1, 2, 3;$

$$\sigma = \sqrt{\frac{\sum_{t=1}^n (V_t - V_{pt})^2}{n-3}} ;$$

$t(p, k)$

0,95

$p =$   
 $k = n-3,$

2013 .  
 2005 . ) :  
 - 165472,8 . . ( 2010 . -

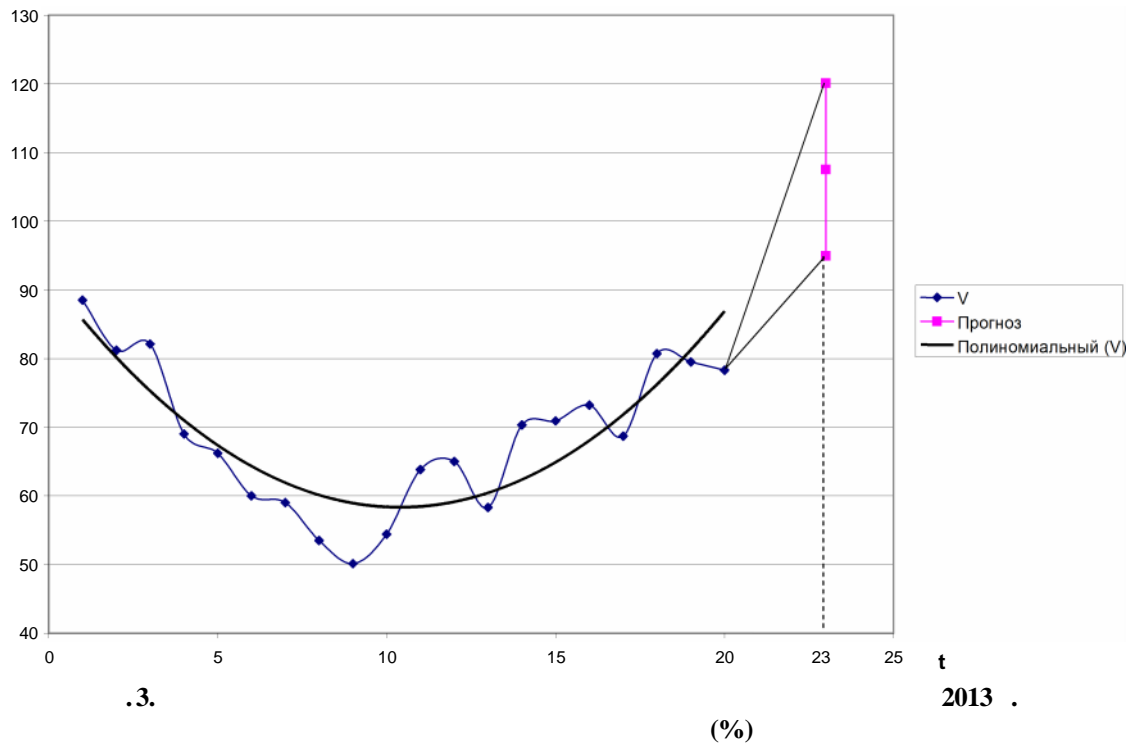
100536,2 . .);  
 - 7955,5 . . ( 2010 . - 5012,9 . .);

-55387,0 . .

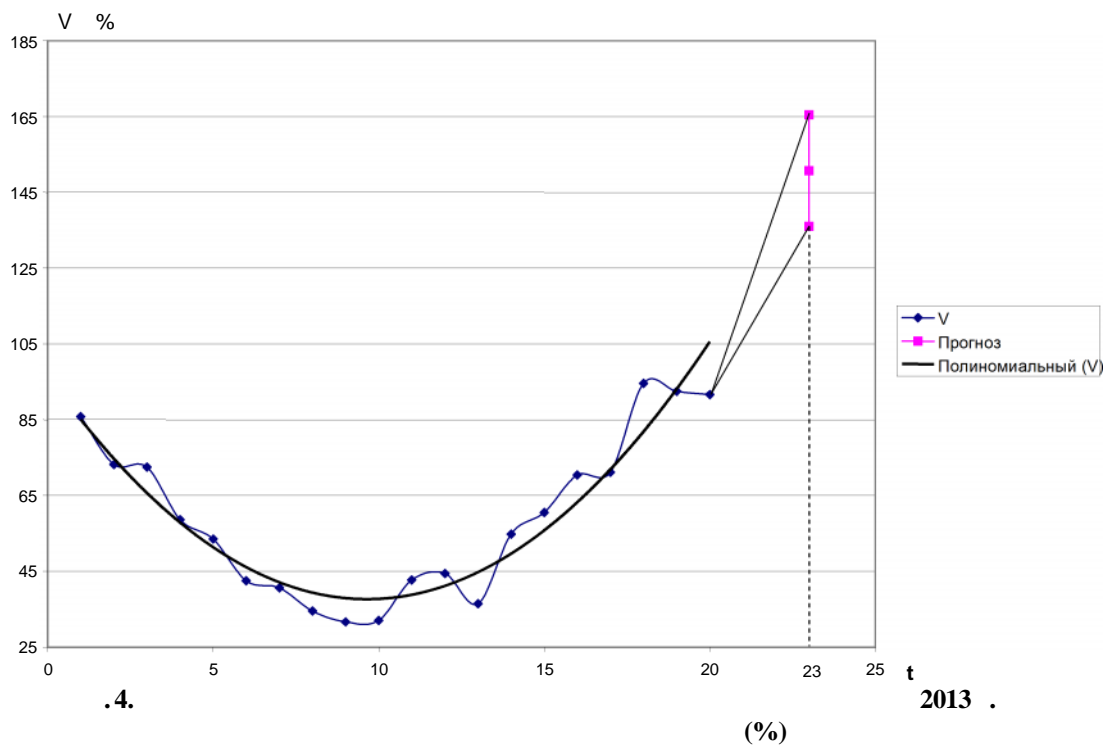
2.

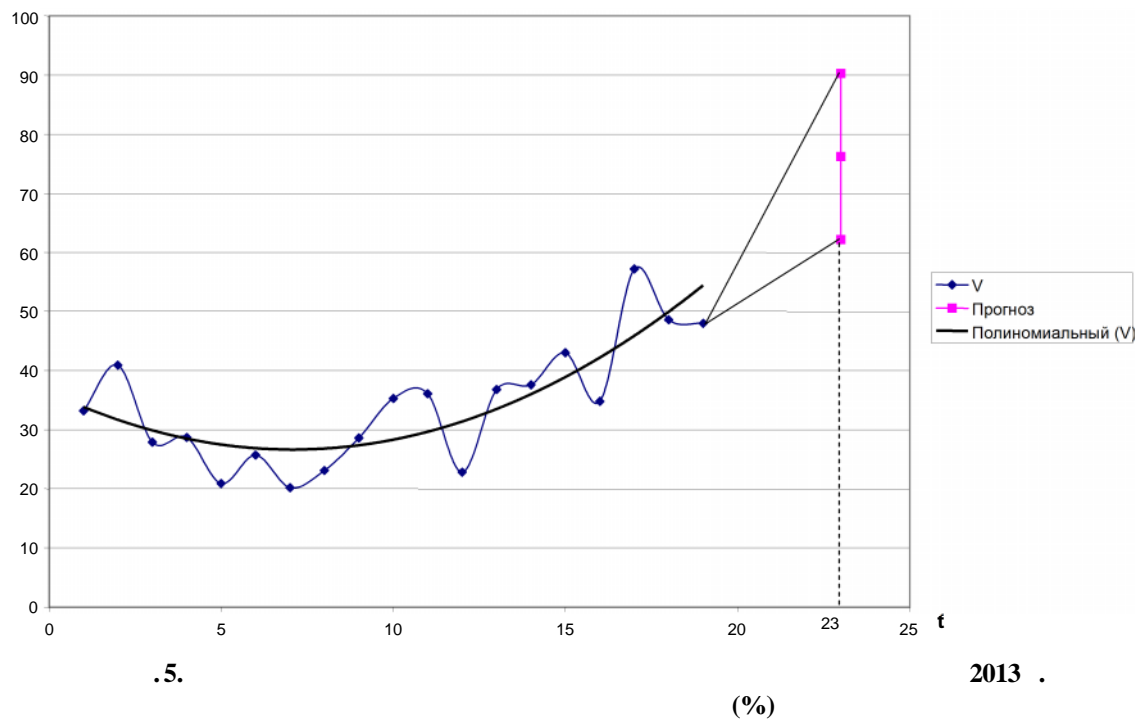
2013 . (%)

		$t(p, k)$	$\sqrt{T_{np} (T^T T)^{-1} T_{np}^t}$	$\Delta(t_0)$	$V_{t_0}$ %	$V_{\min}$ %	$V_{\max}$ %
	5,56	2,1098	1,07085	12,56	107,52	94,95	120,08
	6,51	2,1098	1,07085	14,709	150,72	136,01	165,43
	6,18	2,12	1,33	14,03	76,19	62,16	90,22
	3,71	2,1098	1,07085	8,37	62,04	53,67	70,41

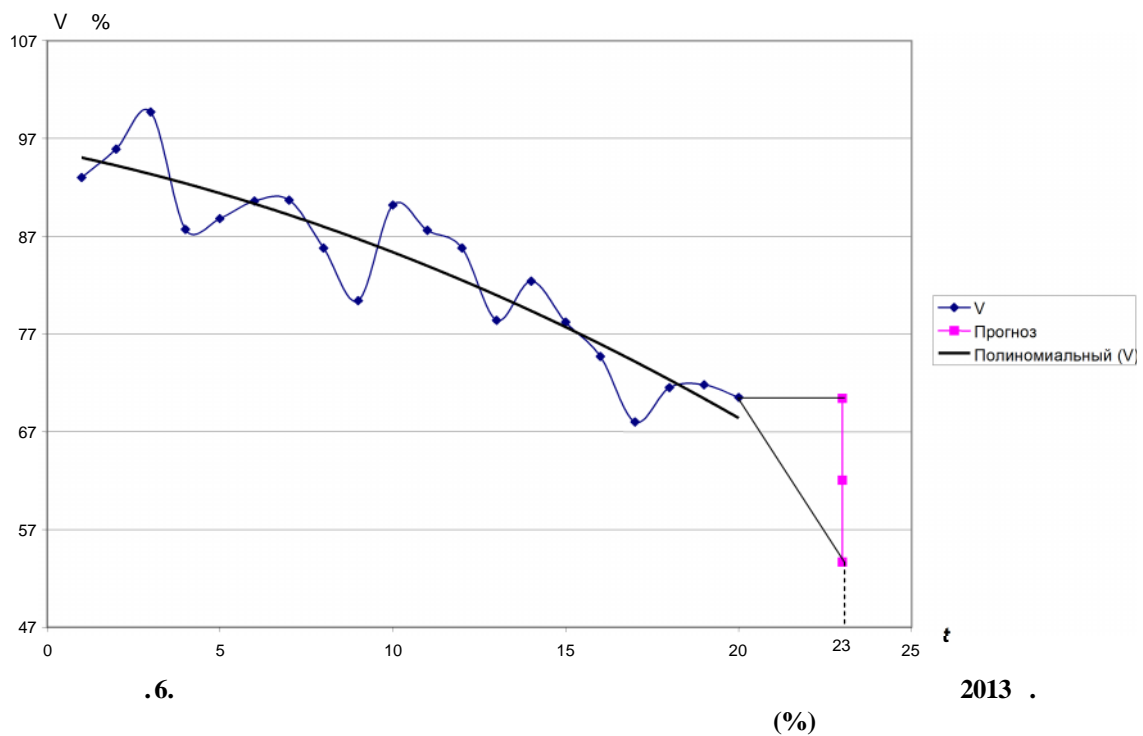


1. ( 2010 . - 48740,5 . . ). 1990 . 2010 .  
 : , -  
 1999 .  
 : - 2000 . ,, -  
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1993 ., 2. 3. 2001 .,



4.

1990 . 2013 .  
2005 .  
0,95.

1. [ ]. – : [http://www.kmu.gov.ua/control/uk/publish/article?art\\_id=244882379&cat\\_id=244277216](http://www.kmu.gov.ua/control/uk/publish/article?art_id=244882379&cat_id=244277216)

2. ( // . – 2012. – 1. – . 13-23.

3. / . . // . – 2001. – 1. – . 95-102.

4. 2010 / . – ., 2011. – 559 .

5. « » 2010 / . – . 2011. – 384 .

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2013 . 1990 .

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UDC: 631.11:338.43(477)

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**Peculiarities of the development of forms of management in the agriculture of Ukraine in modern conditions of forming of market environment.** The article presents an analysis of the factors influencing on the development of market forms of management in the agriculture of Ukraine. The tendencies of development of such forms of management as farms, agricultural enterprises, personal peasant farms are determined. The comparative efficiency of the analyzed forms of management in the agriculture of Ukraine has been researched. The forecast of the gross agricultural product for the considered forms of management in 2013 in percentage of baseline data in 1990 has been made via developed models.

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