

... , ... ,

2005-2009 .

« »

« ».

« »

»,

1-2 ,

15,08

1,76-2,01

[1, 12].

[3].

2005 . - ( - 1,01;

[6].  $t > 10 = 2772,0$  );

2006 . - ( - 1,45;  $t > 10 =$

2685,0 );

[7, 10]. 2007 . - ( - 1,3;  $t > 10$

= 2663,0 );

[5, 11] 2008 . - ( - 1,9;  $t > 10 =$

2662,0 );

10 (2001-2010) - 2009 . - ( - 0,93;

$t > 10 = 2747,0$  ).

( r)

( . 1).

1.									
	-	-	, %	-	, %	-	, %	-	-
	, %	-		-		-		-	, r
		/100		/100		/100		/100	
2005	73	3,4	78	4,1	75	4,8	77	3,0	0,884
2006	60	2,8	58	3,5	61	4,2	61	2,4	0,882
2007	75	5,0	77	6,3	78	5,5	78	5,5	0,941
2008	79	6,8	84	8,0	79	8,3	86	8,3	0,839
2009	65	3,1	66	3,8	67	4,5	68	2,7	0,864

1 , - , - ( . 2).

60-80% ,

2,5-8 /100

2008 ..

2006 .

2008 ..

80-90% ,

2008 2009 .

6,8-8,3 /100

2006 .:

60% ,

- 2,4-4,2 /100

15-16 /100

	, /	, /100	, /	, /100	, /	, /100	, /	, /100
2005	2,3	3,4	2,9	4,1	17,0	4,8	-	3,0
2006	2,1	2,8	2,5	3,5	11,0	4,2	11,7	2,4
2007	2,2	5,0	3,1	6,3	21,0	5,5	18,0	5,5
2008	2,5	6,8	3,5	8,0	22,0	8,3	42,0	8,3
2009	-	3,1	2,9	3,8	16,5	4,5	36,0	2,7

1. ... , 1965. – 138 . 2. ... / ... , 1981. – 184 . 8. ... – 4- ... , 1975. – 656 ... , 1986. – 336 . 9. ... . 3. ... , 1957. – 223 . 4. ... – ... , 1965. – 663 . 10. ... , 1989. – 64 . 11. 1973. – 327 . 5. ... // ... // ... – 1. – 1996. – 6. – 58-74. 12. ... , 1966. – 38-44. 6. ... , 1963. – // ... – 1998. – 237 . 7. ... 9. – 53-57.

*G.A. Zaitseva, Michurinsk State Agrarian University,  
ul. Internatsional'naya 101, Michurinsk, Tambov oblast, 393760 Russia. E-mail: mgau@mich.ru*

*The effect of wetting conditions at the beginning of vegetation period on the availability of phosphorus during five years of study was considered. The main weather and climatic conditions for the years under study were characterized. Correlation between the wetting conditions and the content of available phosphorus in the soil was revealed. Relationship between the content of available phosphorus in the soil and the yield of field crops was determined.*

**Keywords:** soil moisture, available phosphorus content, yield of agricultural crops.