

1.  $N_{30}P_{30}$  (  $N_{30}P_{30}$  ) -  $N_{30}P_{30}$  ; 2.  $N_{30}P_{30} + N_{30}P_{30}$  ; 3.  $N_{30}P_{30} + N_{30}P_{30}$  ; 4.  $N_{30}P_{30} + N_{30}P_{30}$  ; 5.  $N_{30}P_{30} + N_{30}P_{30}$  ; 6.  $N_{30}P_{30} + N_{30}P_{30}$  ; 7.  $N_{30}P_{30} + N_{30}P_{30}$  .

2-5

(

7

100<sup>2</sup>, —

(0,5, —) 300 (50 / ).

(0,6 200 1 ).

2

1 .

: 2007

2008 ., 2010 . —

, 2009

2011 .

2007-2011 .

[1].

[8].

5-7 — 1016-1035 2<sup>2</sup> / . 3

4 945 944 2<sup>2</sup> /

( . 1).

1.

0-30

( 2007-2011 .)

	/ ,	/( <sup>2</sup> . )	, %
1	6,9	858	48,9
2	7,1	920	63,0
3	7,8	945	70,8
4	8,6	944	65,7
5	9,0	1016	71,4
6	9,4	1035	78,1
7	9,3	1018	75,3

9,4 / 6,9 / 9,0-

5-7 .

– 71,4-78,1%.

$$: 4-7, \quad 1,17 / ^3, \quad 1,25 / ^3 ( \quad .2).$$

2

( 2007-2011 .)

4.

$$N_{30-30} +$$
$$(\dots 6) - 0,53 \quad / \quad , \quad 36,8\%.$$

0,38 / , 26,4%.

– 534 / , – 83,2%,  
– 68,2%, – 72,4%.  
( . 7)

1. ( , , ).

1.5-2

### 3.

$$: \mathbf{N}_{30} \mathbf{P}_{30} +$$
$$+ \quad + \quad +$$

1. 1986. - 416
2. 1984. - 127
3. 1990. - 190
4. 1990. - 190

. – 2008. – 8 (46). – .16-20. 5. //

22-23. 6. ) // XXI. – 2001. – 8. –

 $N_{30} = 30$ 
$$(\quad, 2)$$
$$(3)$$
 $N_{30} = 30$

// . – 2009. – 12. – 35-44. 7. . . . – 2010. – 4. – 21-24. 8.  
 - // - , 1985. – 255 .

# **EFFECT OF DIFFERENT FERTILIZERS ON SOIL FERTILITY AND BUCKWEAT YIELD IN THE CENTRAL VOLGA REGION**

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*The effect of different fertilizers on the yielding capacity of buckwheat in the forest-steppe zone of the Central Volga region was assessed. It was shown that the organo-mineral fertilizing system allowed obtaining the highest yield of buckwheat and the best physical parameters of grain, and the biologized fertilizing system ensured the best biochemical composition of grain and sustained the soil fertility.*

*Keywords: buckwheat, leached chernozem, organo-mineral fertilizers, biopreparations, biologized fertilizing system, crop yield, grain quality.*