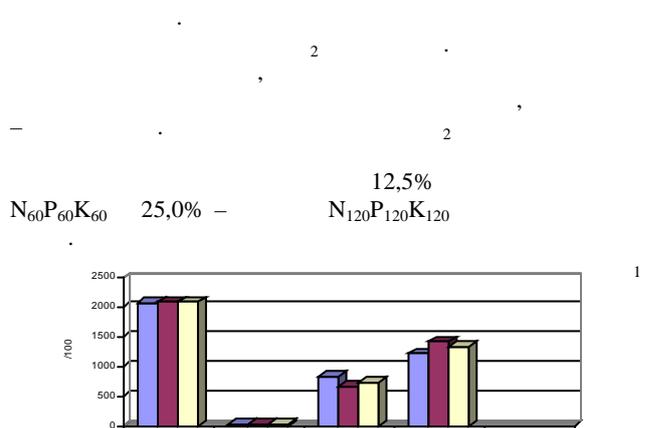


... , ... » ,
 ... ,
 ...) , -
 « ».
 : 1) - , 2) N₆₀P₆₀K₆₀, 3)
 N₁₂₀P₁₂₀K₁₂₀-
 : - - - -
 - 1999 .
 2005 .. .
 N₄₂₀P₄₂₀K₄₂₀ N₈₄₀P₈₄₀K₈₄₀-
 [2, 8], - <1 , 1-5, 5-
 10 .. (1972). -
 VRA – 30, - (26205-91),
 ()
 [8], - (1972).
 [2, 10].
 () ,
 [5, 6]. (- KAl₂(OH)₂[AlSi₃O₁₀], -
 - KFe₃(OH)₂[AlSi₃O₁₀], (-
 - KMg₃(OH)₂[AlSi₃O₁₀]. .. (1974),
 70-80- 8%, - 8,1 - 9,9% [1].
 [4-6]. (> 1-2).
 [7]. « » ,
 1940
 2479 /100 0-10 (. 1),
 [9, [1, 4].
 (51,3-68,1%)
 11-13]. - 31,0-
 () , 47,8%. -
 (0,8-0,9%),
 « ».
 - 18 /100) (23 /100)¹ 2(16
 3, .. -
 « » 268 2 , (0-20)
 1996 . 1 68 , 2 -
 - 49 3- 97 . ,
 35 /
 , 260; 189 372
 () (1- , 2- 3 .

1. 0-10

		%	%		/100			
1		21,7	2,065	3,809	1222	827	16	2065
	N ₆₀ P ₆₀ K ₆₀	17,4	2,092	3,764	1419	655	18	2092
	N ₁₂₀ P ₁₂₀ K ₁₂₀	20,7	2,095	3,541	1342	733	20	2095
2		18,1	1,940	3,321	1321	601	18	1940
	N ₆₀ P ₆₀ K ₆₀	22,8	2,301	3,691	1436	842	23	2301
	N ₁₂₀ P ₁₂₀ K ₁₂₀	22,8	2,032	4,128	1067	941	24	2032
3		31,8	2,479	3,725	1271	1185	23	2479
	N ₆₀ P ₆₀ K ₆₀	28,0	2,634	3,245	1697	909	28	2634
	N ₁₂₀ P ₁₂₀ K ₁₂₀	30,6	2,683	3,748	1504	1147	32	2683

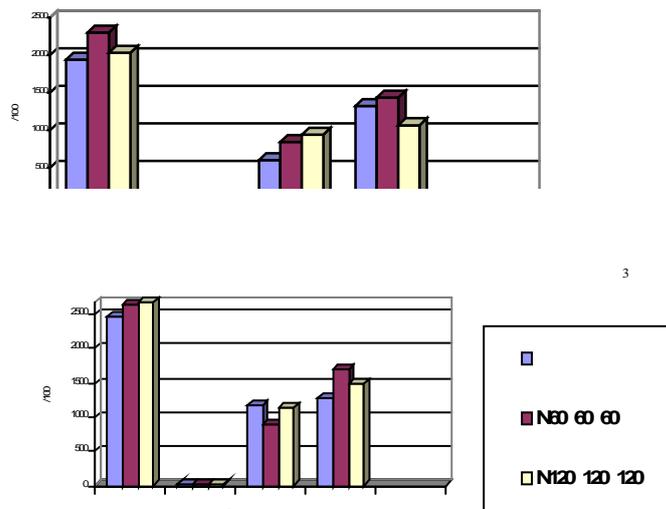


- 1615-

3475 /100 (.2).

2. 0-10

		%	%		/100			
1		21,7	1,615	2,306	1038	500	77	1615
	N ₆₀ P ₆₀ K ₆₀	17,4	1,287	3,396	638	591	58	1287
	N ₁₂₀ P ₁₂₀ K ₁₂₀	20,7	1,358	3,070	665	635	58	1358
2		18,1	1,652	3,852	897	697	58	1652
	N ₆₀ P ₆₀ K ₆₀	22,8	1,002	3,399	150	775	77	1002
	N ₁₂₀ P ₁₂₀ K ₁₂₀	22,8	1,400	2,611	747	595	58	1400
3		31,8	3,475	10,494	52	3337	86	3475
	N ₆₀ P ₆₀ K ₆₀	28,0	3,646	12,485	54	3496	96	3646
	N ₁₂₀ P ₁₂₀ K ₁₂₀	30,6	2,961	8,173	364	2501	96	2961



(1)

(2)

MgO : 64,3%

1 54,3% - 2. 30,9 42,2%,
() - 4,8 3,5%, . .

(3),

96,0%. MgO

2,5%.

MgO

1,5%.

2. - 1860 1823 / , 414 539 /100 ,

(1)

N₆₀P₆₀K₆₀ - 27 /100 , N₁₂₀P₁₂₀K₁₂₀ - 30 /100 , ,
, 1,3 1,4% (. 1).

2,1%,

.1. 0-10

1, 2 3

2 20,8%

N₆₀P₆₀K₆₀ 11,4% - N₁₂₀P₁₂₀K₁₂₀.

[3].

(2)

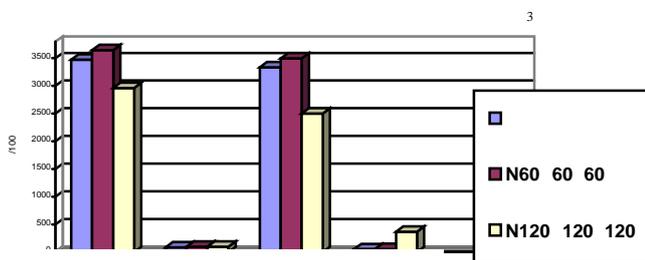
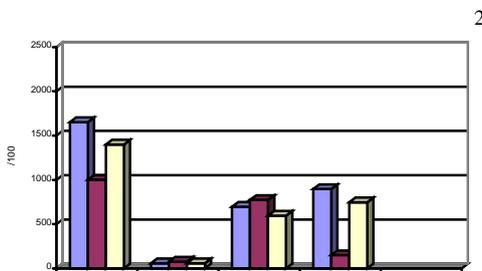
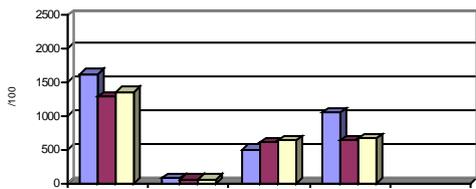
18,6 4,7%.

40,1%

N₆₀P₆₀K₆₀, 56,6% - N₁₂₀P₁₂₀K₁₂₀,
, 27,8 33,3%.
N₁₂₀P₁₂₀K₁₂₀
19,2%,

(3)

$N_{60}P_{60}K_{60}$ – 39,3%
 1/3
 14,8-20,3%
 (1)
 35,9% $N_{120}P_{120}K_{120}$
 (24,7%)
 , 18,2 27,0% (. 2).



.2. 0-10 1; 2; 3

(2) $N_{60}P_{60}K_{60}$

, 1,6

MgO 83,3%.
 (44,0%)
 (11,2%) (32,8%).

$N_{120}P_{120}K_{120}$ -
 (16,7 14,6%)
 $N_{60}P_{60}K_{60}$ -
 (3)
 14,8%.
 25,1% MgO
 11,6%.
 $N_{60}P_{60}K_{60}$ 2,
 1.
 2005.- 100 . 2.
 // . -2002.- 6.- . 710-714. 3.
 « // »
 // /
 . 2 . : - 2008.- 3 (13). -
 . 75-84. 4. . : -
 , 1978.-296 . 5. . : -
 //
 . 1969.- 9. - . 67-73. 6. . : -
 // . - 1979.-
 7.- . 33-42. 7. . : -
 //
 : . : - 1988.- . 117-
 124. 8. . : -
 1996.- 367 . 9. . : -
 // II
 « . 1. . : -
 2002.- . 41-45. 10. . : -
 , 2005.- . 379-385.
 11. . : -
 : 06.01.03. , 2004.- 523 . 12. . : -
 //
 , 2003.- . 216-221. 13. . : -
 : -
 . , 1992.- 43 .

NATURAL RESERVES OF NUTRIENTS IN AGROCHERNOZEMS OF STAVROPOL KRAI UNDER AGROGENIC IMPACT

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Differential assessment of potassium and magnesium reserves was performed; their changes were revealed depending on the intensity of soil use in agrolandscapes of the unstable moistening zone in the Stavropol krai, with the Agrolandshaft test site as an example.

Keywords: potassium; magnesium; total, immediate, near, and potential reserves; minerals; fertilizers.

