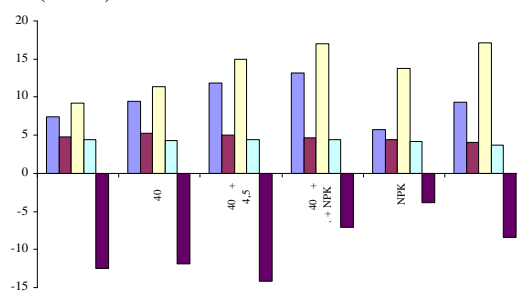
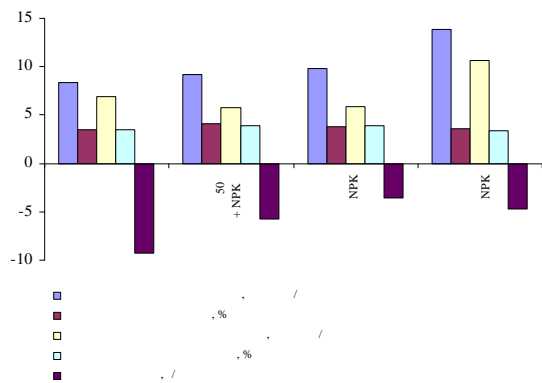


$$\begin{array}{l}
 : 1) \quad ; 2) \quad 40 / ; 3) \quad 40 / + \\
 4,5 / ; 4) \quad 40 / + \quad 4,5 / + N_{45}P_{60}K_{30}; 5) \\
 80 / + \quad 4,5 / ; 6) N_{45}P_{60}K_{30}; 7) N_{45}P_{60}K_{30} + \\
 4,5 / ; 8) \quad 4,5 / \quad 40 \quad 80 / \quad 1 \\
 , \\
 - \\
 . \\
 : \quad 1. \\
 : 1) \quad ; 2) \quad 8 / ; \\
 3) \quad 16 / ; 4) \quad 5 / ; 5) \quad 8 / ; 6) \quad 8 / \\
 ; 7) \quad 16 / ; 8) \quad 5 / ; 9) \quad 10 / . \\
 2. \\
 5 : 1) \quad ; 2) \quad 40 / ; 3) \\
 80 / ; 4) \quad 5 / ; 5) \quad 40 / ; 6) \quad 40 / ; \\
 7) \quad 80 / ; 8) \quad 5 / ; 9) \quad 10 / .
 \end{array}$$

Treatment	S. 1 (Blue)	S. 2 (Red)	S. 3 (Cyan)
Control	7.5	4.5	4.5
40	9.5	5.5	4.5
40 + NPK	12.0	5.0	4.5
NPK	13.5	4.5	4.5





.2. (

)

C:N

8-16 /

(. 3).

40 / .

10,7-17,7 %, – 9, 8-16,4%.

3,7-5,2 % (. 3).

(5 /)

(5

– 10 /)

:N.

6, 7-10, 1%, – 1, 9-7, 0 %.

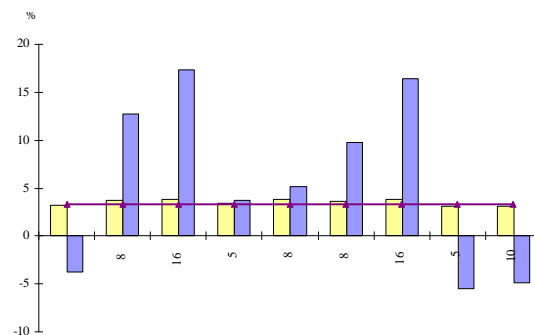
(4%).

40 /

[12, 13].

40

[14, 15].



.3.

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8-16 /

5 /

1.

.- 1988. 9.- . 53-69. 2.

1986.-

3.- . 29-38. 3.

1982.-

9.- . 33-34. 4.

.- 1983.-

77-82. 6.

.- 1983.-

120-126. 7.

.- 1983.-

292. 8.

.- 1983.-

34-41. 9.

1991. – 10. – 84-91. 10. // . III , 2000. .
 - . 1987. 256 . 11. 2.- . 202-203. 14. . .
 - .
 , 1984. – 96 . 12. // . III , 2000. . 2. –
 . 110-111. 15.
 // . – 1988. – 10. – . 21-24. 13. - //
 , - 1989. . 25. .
 - 59-63.

Microbiological aspects of soil fertility development

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Summary. It was shown that, in spite of specific genetic features of local soils and peculiar climatic conditions, the microbiological decomposition of organic matter in soils of the Far East is identical to that in the soils studied previously.

Key words: fertilizers, lime, humus, mineralization, meadow brown soils.

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