

631.445.4(477.54+477.52)

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... ( ... , -  
... )  
... ( ... )  
[4, 7]. [6, 12, 13, 15, 16],  
[1–3, 5, 8, 9, 11, 14, 17].  
- ... -  
... , ... -  
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... :  
“ ... ” ( ... - , ... ),  
( ... , ... ) ( ... - , ... )  
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“ ” ( )  
 , ( )  
 ( 65 ), 120 ( 65 ), ( “ 1”.  
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 : ( 100 ), (65 ),  
 (65 ), (40 ), (40 ), (40 ),  
 (40 ).  
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 :  
 ( 4289:2004),  
 ( 31-497058-006-2002);  
 , <sup>2+</sup> <sup>g<sup>2+</sup></sup> - Na<sup>+</sup> + - ;  
 - : ( ISO 10390:2007);  
 - ( 26212-91).  
 ( ) -15  
 , -1.  
 ( ’ - ( ), - ( ), ( )).  
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 “ ”  
 ”  
 10,1 % 0-5 . (5-20 )  
 8,5 %, 20-40 - 6,4 %.  
 ( ) , , - 9,6, 7,9, 6,6 %).  
 ( ) 0-5 - 9,1, (5-20 )  
 7,5.  
 (5,9 %). 5-20  
 “ ”  
 ( : = 1,10-2,05).  
 5,1 %, - 6,6 %, -  
 7,2 %). %: - 7,1, - 6,8, - 5,5, ( - 5,4, 0-5  
 ( : > 2).

2,5–2,1 %  
( : = 1,22–1,12).

4,0 % (0–5 )

1) “ ” :  
( 50 ) .

2) , ;  
, , – ,  
, ; 3)

( – , : ) ( – ) ;  
( – ) ; 4)

; 5)

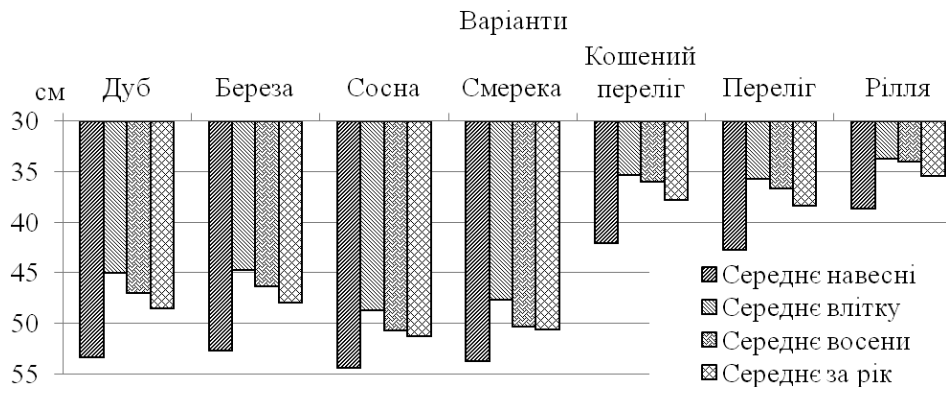
7) ; 6) ;

, : ; 8)

( – ) ; 9)

– 5,93, 5,34–6,31: – 5,34, – 5,49, – 5,79,  
6,19–6,31.  
“ – 6,77, – 6,85, 6,77–7,64:  
– 7,64, – 7,28, – 7,42,  
5,56–6,14, . – 4,49–5,03.  
0,84–1,78, – 2,94–3,18, – 3,45, – 2,35, :  
( – 1,57 – /100 ) 4,54 – /100 .  
“ ” 0,84 – /100 0,57

...  
 ( ) :  
 1,7-2,7 ;  
 - 0,7-1,0 ;  
 3,3-6,3 ,  
 - 4,7  
 - 15,3 , 0,3 ;  
 40-65  
 “ ” 12-14



( )  
 0-40 6,88, 7,07 )  
 1 “  
 ”  
 0-40 , -  
 , ,  
 5,63-5,91 . . . . 1 . . . . ,  
 - , 4,73, 4,61 . . . . 1 . . . .  
 ( )  
 5,34 . . . . 1 . . . .  
 $K = /$  : -  
 (1,16) < (1,05) < (0,96) < (0,87) <  
 (0,85) < (0,79) < (0,68) < (0,63) <  
 40 (0,59) ,

... ( ).

... -

0,33 0,35,  
- 0,24 - 0,31.

1,35-1,98.

“ ”.

( ), ( )

1) , 2) , 3) *in situ*, 4)  
( ) , 5) , 6) , 7)  
[14].

“ ”

[13].

20-30 , - 65 , ” [10].

4) 1) ( ), 2) , 3) , 4)  
( ) , 5) , 6) , 7)

“ ” [13].

1) , 2) , 3) , 4)  
5) , 6) , 7)

: H , H, H p/k, HP k, P k,  
., H pk, HPk, Pk.

“ ”.

( )

1) , 2) , 3) ,  
4) , 5) , 6) , 7) : Н , Н d, Н, Нр k, НР k, Р k.  
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, , -  
, (40–65 )  
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, ( - )  
40–65  
“ ” “ ”

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07.05.2013

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17.06.2013

## EVOLUTION OF CHORNOZEMS OF AGROGENETIC AND POSTAGROGENETIC USING OF LEFT BANK FOREST-STEPPE OF UKRAINE

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The results of the complex field, laboratory and expeditionary researches of physicochemical (cation-exchange), chemical, acid-alkaline, microbiological, micromorphological properties and dynamics of “effervescence line” in chernozem soils of the postagrogenetic and agrogenetic use, were presented in the thesis. It has been proven that the influence of forest vegetation on the agronomical characteristics of typical chernozems is almost identical to the action of grass fitocenosis. Theoretical generalizations and theory of the soil formation evolution under grass, artificial forest fitocenosis and in agrogenosis were proposed.

*Key words:* chernozem, evolution, postagrogenesis and agrogenesis, soils, elementary soil processes, fitocenosis, “agrochernozems”, black “forestchernozems”.

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