

... , ... , ... , ... ,

- , 4,02 % , 56 /

20- 99 /

, - 6,4.

1-3°, -4-35 30-32

0-20 (4,69 %), 25-28 ,

3-5° (4,15%),

10-12 .

1-3° (234 / ) ,

3-5° (169 / ). 2009 .

20- 16

1-3° - 4 ,

3°, - 4 ,

3-5° - 4 ,

5°, - 4 .

Microsoft Excel

Windows 95 ( 7.0).

[1].

1-

3°, 4,69 0,59 % ( . 1).

(0-20 ) (3,2

%) .

(10,1-13,6%). 4,68 0,71 %.

(9,25-13,3 %), (60-70 )

(100-110 ) - (25,1 37,7 %).

3-5°, 1-3°

4,15 0,54 %.

1989 . 1 5°. 70 ) (17,8 %),

(100-110 ) - (44,8 %). 4,56 0,48

1-3° , %.

3-5° - (6,2 8,7 %) (14,2

13,1 %), (100-110 ) (31,9 %) (

1). 1-3° ,

4,52% , 74 / 120 / 95 %

3-5° ( , 5,6. (0-20 )

3-5° ( ) -

1.	1-3°				3-5°			
	- , %	V, %	- , %	V, %	- , %	V, %	- , %	V, %
0-20	4,69	3,2	4,68	13,3	4,15	2,7	4,56	6,2
25-35	4,39	12,8	3,97	9,5	3,57	6,4	3,98	8,7
45-55	2,76	12,3	2,53	11,7	2,90	4,8	2,48	14,2
60-70	1,71	10,1	1,34	25,1	1,62	17,8	1,60	13,1
100-110	0,59	13,6	0,71	37,7	0,54	44,8	0,48	31,9

3-5°  
(4,56 4,15%).  
(4,15 %).  
1-3° (4,69 %) 0,54 % ,  
3-5° ( 2).

2. 0-20 95%					
	- <sub>1</sub>	- <sub>2</sub>	d=[X <sub>1</sub> -X <sub>2</sub> ]		
1-3°: -	4,69	4,68	0,01	1,04	
3-5°: -	4,56	4,15	0,41	0,39	
1-3° 3-5°	4,69	4,15	0,54	0,26	>>
1-3° 3-5°	4,68	4,56	0,12	0,65	

(0,35 %)  
1-3° 3-5°.  
3° 5°  
1-3° 43 , 3-5°  
- 36,5 .  
( 3).  
1-3° 6,5  
3-5°,  
0,68 % . 1-3° 65 / ,

3-5°.  
( 3).  
3. ( / )  
+  
-  
/ ,  
43/10\* 4,54 234  
1-3° , 1- 37/20 4,33 192  
3° 3-5° 36,5/2 3,86 169  
3-5° , 37,5/18 4,27 192  
\*  
1989 2009 .  
1-3° 3-5°  
( 4).

4. 0-20 95%					
	, %				
	1989 .	2009 .			
1-3°	4,52	4,69	0,17	0,21	
3-5°	4,02	4,15	0,13	0,18	

1-3° 3-5° 0,17% 0,13%,  
( 4).  
1-3° ,  
0-20 (4,69 %) 3-5° (4,15%),  
1-3° (234 / ) ,  
3-5° (169 / ).  
20-  
1-3° ,  
1-3° 6,5  
3-5° ,  
17-19. // 1998.- 1-.

# **HUMUS CONTENT IN SOILS OF ERODIBLE AGROLANDSCAPES UNDER CONTOUR-MELIORATION ORGANIZATION OF THE TERRITORY** **L.G. Smirnova, D.S. Lebedev , E.Yu. Marchenko, E.A. Pelekhots** *Belgorod Research Institute of Agriculture* *ul. Otyabrskaya 58, Belgorod, 308001 Russia E-mail: lidya.smirnova@yandex.ru*

*In the contour-melioration organization of the territory, a trend toward an increase in the content of humus in the arable soils was observed during the 10 years of soil-protection measures, but the difference between the parameter values was found to be insignificant. The humus content in the 0- to 20-cm layer of an agrolandscape contour with a slope of 1–3° occupied by a grain-raw crop rotation (4.69%) was significantly higher than that in the soil of an agrolandscape contour with a slope of 3–5° (4.15%) occupied by a grain-grass crop rotation. Accordingly, the reserves of humus in the humus horizon of soil on the slope of 1–3° (234 t/ha) were larger than those in the soil on the slope of 3–5° (169 t/ha).*  
**Keywords:** *agrolandscape contour, humus content, contour-melioration organization of the territory, erodible agrolandscapes.*