

631.445.4:631.41(477.83+477.82)

... , 41, 79000, ... ,  
... ,  
... ,  
... ,  
... ( ... ,  
... )  
... [9].  
... " [10].  
... (1920–1939) , ...  
[9].  
... 1957–1961 .  
... ( ... 1:10 000),  
...  
... [1, 2, 5–7].

(SiO<sub>2</sub>, Al<sub>2</sub>O<sub>3</sub>, Fe<sub>2</sub>O<sub>3</sub>, CaO, MgO, K<sub>2</sub>O, Na<sub>2</sub>O, P<sub>2</sub>O<sub>5</sub>, SO<sub>3</sub>)

( 62 % ) [1].



[4].

-2, 2

- 59 ( , ). 70 - , 79

(79-100 ).

4-5

-1,

450 - 55 .

10 % HCl 90 .

(0-12 ) - ; ; -

/ . (12-76 ) - ; ; -

(k) (76-133 ) - ; ; -

( ; ; -

12-25 ; ; ( , ; );

P(h)k (133-190 ) - ; (

); ; ;



	-	-	2	%										SiO <sub>2</sub> R <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub> Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub> Fe <sub>2</sub> O <sub>3</sub>
				SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>	CaO	MgO	K <sub>2</sub> O	Na <sub>2</sub> O	P <sub>2</sub> O <sub>5</sub>	S				
(-5)																
0-15	1,65	5,05		82,18	9,01	2,57	1,95	0,54	2,23	0,95	0,09	0,41	13,12	15,51	85,27	
25-35	1,59	5,10		81,97	9,00	2,75	1,79	0,75	2,41	1,06	0,11	0,29	12,96	15,48	79,49	
50-60	1,66	0,61	7,35	70,87	8,26	2,45	6,74	1,13	2,14	0,93	0,09	0,25	12,27	14,59	77,14	
90-100	1,32	0,73	8,81	68,50	7,37	2,35	8,80	1,25	2,04	0,92	0,09	0,06	13,13	15,80	77,73	
190-200	1,03	0,69	8,16	68,77	7,63	2,41	7,77	1,53	2,22	0,97	0,07	0,14	12,75	15,32	76,09	
(-2)																
0-10	1,76	5,42		81,77	9,42	3,01	1,06	0,54	2,24	1,07	0,08	0,23	12,25	14,75	72,41	
30-40	1,91	4,38		82,00	9,44	2,96	1,11	0,59	2,09	1,08	0,07	0,29	12,31	14,77	73,87	
60-70	1,43	2,17	1,28	81,11	8,96	2,87	1,01	0,73	2,24	1,15	0,08	0,32	12,78	15,39	75,36	
100-110	0,98	0,68	10,94	64,12	7,02	2,44	10,40	1,43	1,95	0,86	0,07	0,14	12,71	15,53	70,08	
140-150	0,98	0,68	7,25	70,62	7,48	2,42	7,30	1,63	1,95	0,83	0,06	0,32	13,31	16,05	77,82	
(-1)																
0-20	2,23	6,69		84,34	6,98	2,18	1,69	0,60	1,79	0,88	0,49	0,53	17,13	20,54	103,17	
40-50	2,27	6,22		84,19	6,79	2,18	2,60	0,33	1,69	0,84	0,79	0,34	17,50	21,08	102,98	
90-100	2,07	1,53	3,50	79,34	6,94	2,47	2,75	0,52	1,97	0,88	0,95	0,50	15,84	19,43	85,66	
150-160	1,11	0,65	2,34	81,67	7,21	2,24	2,01	0,62	0,99	0,89	0,36	0,27	16,07	19,26	97,23	
210-220	0,79	0,70	6,92	71,34	6,68	2,04	7,85	1,33	1,89	0,95	0,22	0,39	15,20	18,16	93,25	
(-1)																
0-18	1,93	7,07	-	80,96	7,87	2,31	4,04	0,74	1,80	0,62	0,62	0,23	14,73	17,49	33,46	
30-40	1,95	6,65	-	81,27	7,98	2,40	3,52	0,78	1,87	0,59	0,61	0,13	14,53	17,31	90,30	
70-80	1,96	5,90	-	81,50	8,05	2,58	3,36	0,60	1,73	0,55	0,56	0,08	14,29	17,21	84,24	
120-130	2,11	5,29	-	82,40	7,87	2,26	2,80	0,76	1,70	0,54	0,58	0,04	15,04	17,80	97,23	
190-200	0,89	6,54	-	77,24	7,68	2,16	9,09	0,43	1,73	0,64	0,16	0,19	14,50	17,10	95,36	

(79-84 %).

( <1 )

( , - , ) [3].

(0,56-1,08 %).

(1,73-2,41 %)

[3].

(0,56–0,95 %)

(0,13–0,53 %)

[3].

(Al<sub>2</sub>O<sub>3</sub>+R<sub>2</sub>O<sub>3</sub>)

SiO<sub>2</sub>

SiO<sub>2</sub>/Fe<sub>2</sub>O<sub>3</sub>

(77,14–78,93),  
(79,49–91,36),

SiO<sub>2</sub>/Fe<sub>2</sub>O<sub>3</sub>

(72,41–77,82)

(

*in situ*)



4. . . . / . . . //  
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; : . . . , 1951. – 320 .
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## TOTAL CHEMICAL COMPOSITION OF CHORNOZEMS OF SOCAL-TORTCHIN RANGE UPLAND

**Igor Papish**

*Ivan Franko National University of Lviv,  
P. Doroshenko St., 41, UA – 79000, Lviv, Ukraine*

The results are given on total chemical composition of podzolic and typical chernozems of the Socal-Tortchin range upland. The geographical features of forming of morphological profile of chernozems of Volyn upland are educed. Connection is shown between different genetic subtypes of chernozems and chemical composition them silicate part. The cultural constituent of soil formation is educed in forming of morphological profile of deep chernozems on terrace localities of Volyn Pobuzia.

*Key words:* chernozems, total chemical composition, structure of the soil profile, morphological signs, cultural evolution of soils.

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