

...¹...²...

$$= \frac{1}{b} + \frac{1}{b} \cdot b \quad (1),$$

...
; D – ... ; b – ...

Cd, Ni, Pb, Zn, Cu, As, Hg.
...
: Cu, Zn, Mo, Mn, Se, I [1, 2].

1.					
	" "				
	Cd	Ni	Zn	Cu	Pb
Cd	0,011	0,003	0,011	-*	-0,031
Ni	0,015	0,005	-0,004	-0,003	0,017
Zn	-	-	0,011	-0,003	- 0,002
Se	0,0005	0,014	-	0,0021	0,0043

Cd, Ni, Zn, Se
...
().

2 :
[3].

103, ... 12,5, ... 25 /
... 1,7, ... 1,32
... 1,5
...
(. 2).

«b»
... (. 1).
1 / ...
0,011, 0,005 0,011 /
30 . 1 /
0,45 / .

2. () - ()		
()		r, R ²
	=7,65 +32,77 (1)	r = 0,93
	=-0,74 +14,6 +31,9 (2)	R ² =0,62
	=-8,19 +75,1 +84,4 (3)	R ² =0,85
	=24,1 +198,2 (4)	r =0,84
	=-10,96 +36,15(5)	r = - 0,77

[3].

1 ... 3

3.		
-		
	N = 3,4 · P = 0,7 · K N = 4,2 · P = 0,7 · K	Zn=45 Cd=8,3 Ni=3,9 Cu=7 Pb Zn=42 Cd=8,1 Ni=4,4 Cu=5 Pb
	N = 2,9 · P = 0,7 · K N = 1,9 · P = 0,4 · K	Zn=56 Cd=8,3 Ni=3,4 Cu=7 Pb Zn=52 Cd=8,3 Ni=2,7 Cu=6 Pb

$$= \frac{\text{N:P,N: } \quad , \quad : \quad (\quad .)}{\text{N:P,N: } \quad , \quad : \quad (\quad .)} \quad (2)$$

4.			
		-	
	,	()	
Cd	Ni, Cu	Zn, Pb	
Ni	Cu	Zn, Pb	
Zn	Pb	Cu	
Cu		Pb	
	,	()	
Cd	Ni, Zn		Cu, Pb
Ni	Zn	Cu, Pb	
Zn			Cu, Pb
Cu	Pb		
	,	()	
Cd	Pb, Zn	Cu, Ni	
Ni	Cu	Zn, Pb	
Zn		Pb, Cu	
Cu			
Se		Cd, Zn, Pb	Ni, Cu
	,	()	
Cd	Ni, Zn, Cu		Pb
Ni	Cd	Zn, Cu, Pb	
Zn		Pb	
Cu			Pb
Se	Cd, Zn, Cu	Ni, Pb	

REGULATION OF MICROELEMENTS IN TROPHIC CHAINS

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Summary. *The main principles are formulated for the regulation and prediction of the effect of some microelements in the soil–plant–animal system under specific agroecological conditions.*

Key words: *microelements, regulation, trophic chain.*