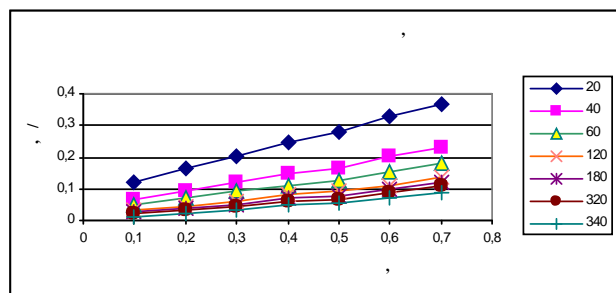


[illegible]

	1,	2,	D ,	D ,		
				600	^{3/}	
0	0,29	0,48	0,77	1,16	0,60	0,66
1	0,28	0,64	0,92	1,27	0,44	0,72
3	0,19	0,67	0,86	1,06	0,28	0,81
5	0,09	0,36	0,45	0,60	0,25	0,75
7	0,03	0,13	0,16	0,29	0,23	0,55
				350	^{3/}	
0	0,25	0,40	0,65	1,05	0,62	0,61
1	0,24	0,53	0,77	1,10	0,45	0,70
3	0,27	0,58	0,75	0,94	0,25	0,79
5	0,08	0,32	0,40	0,56	0,25	0,71
7	0,03	0,11	0,14	0,26	0,27	0,54

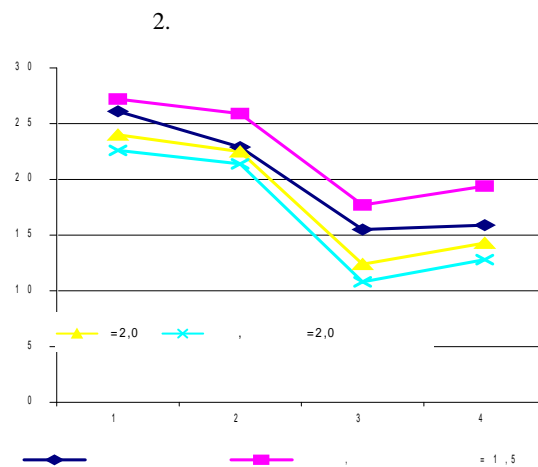
0,160, 0,3 -0,125, 0,1 -0,040 / .
 $q = f(t)$
 $q = a (b + t)^c + d$, $q =$
, / ; $t =$
; - , -1; , b, d -
, 19 %
 $q = f(t)$
: $q = 6,55$
5,89 $-1 + 0,15$; $q = 4,65$ $-1 + 0,11$; $q = 3,21$ $-1 + 0,04$
, 0,7; 0,5; 0,3 0,1 .
(. 1)



. 1.

$$Q = 0,0031H + 4,508T^{-0,967}$$

0,36-4,18 %.
(H = 0,1-0,7)
(T = 10-340)



. 2.

1,5

80 %
2,77-2,82.

1. // . 2006.- 2.- . 3-5. 2.
28-35 %
4 . 3. / , . .-2000.- 6.- . 18-21.
87,0 / .
79,4

Cultivation technology of forage crops under intrasoil irrigation

A.D. Ahmedov, E.M. Dushkina

Volgograd State Agricultural Academy, Universitetskii pr. 26, Volgograd, 400002 Russia

Summary. Relevance of subsoil irrigation usage for growing feed crops on alluvial meadow soils is shown. The distribution of piezometric pressure along the water emitters line during the irrigation period was analyzed. In order to define the characteristics of moisture patterns in the soil depending on the irrigation rate, the ratios of vertical water spreading K_v and forms K_f were calculated. The expediency of using low irrigation rates was substantiated.

Key words: intrasoil irrigation, contour of moistening, irrigation rate, forage alfalfa, soil water content, crop yield, water pressure, water discharge.