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(/), , : W

$$W = 0,36 v , \quad (1)$$

v - (, / .) max [5].

max = $\frac{P \xi_v}{q \omega}$, (2)

P - v- ; q ω , / . [5],

q ω = γ_{qv} q ω, (3)

qv- ; q ω- , / .

P (v) [3]. P v , P (v) [3]:

$$P(v) = a_0 + a_1 v + a_2 v^2, \quad (4)$$

0, 1, 2 -

$$(2) \quad (3) \quad (1)$$

$$W(v) = \dots$$

$$W = 0,36 \frac{P(v)v \xi_v}{\gamma_{kv} k_\omega a}, \quad (5)$$

$$W = 0,36 \frac{P(v)v \xi_v}{\gamma_{qv} q_\omega}, \quad (6)$$

kv, qv -

k_ω -

a -

$$v \quad kv, \quad qv \quad (5) \quad (6)$$

[3]:

$$v = b_0 + b_1 V, \quad (7)$$

$$kv = c_0 + c_1 V, \quad (8)$$

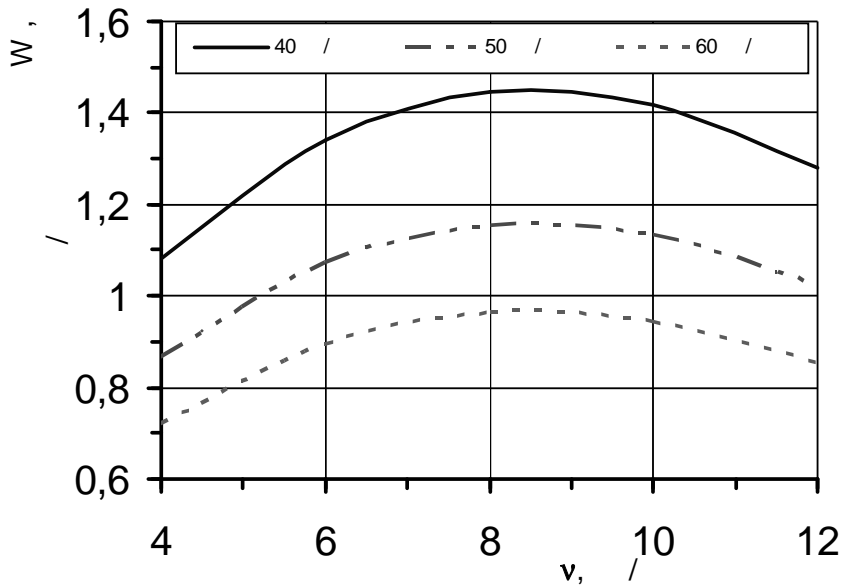
$$qv = s_0 + s_1 V, \quad (9)$$

b₀, b₁, c₀, c₁, s₀, s₁ -

$$(5) \quad (6),$$

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$$D_1 = 2s_0(a_1b_0 + a_0b_1);$$

$$D_2 = 3s_0(a_2b_0 + a_1b_1) + s_1(a_1b_0 + a_0b_1);$$

$$D_3 = 4s_0a_2b_1 + 2s_1(a_2b_0 + a_1b_1);$$

$$D_4 = 3s_1a_2b_1;$$

(12) (13)

« — » [4].

MathCAD 2000.

(12) (13)

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					[5]
:	1,4-2,1 1,3-2,0	8,6-9,5 7,6-10,2	1,3-1,8 1,3-1,52	9,6-12,0 12,1-14,0	0,78-0,85 0,76-0,94
	6,1-8,1	6,2-8,8	5,1-5,4	3,6-5,0	0,75-0,82
	5,4-8,4	8,5-9,4	5,1-7,2	2,2-3,5	0,53-0,67

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– 0,94, – 0,82, –
– 0,67.

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, , – , 2006. – 337 . –
2. / : , 1982. – 319 . –
3. –1221 –
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- : 05.20.01 “
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4. [.] . –
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2004. – 284 .

ON THE RATIONALITY OF AGGREGATION TRACTORS ENERGY CONCEPT

V. Kuvachev, S. Kurchev

Summary

The method of determining the optimum parameters tillage aggregates the criteria maximum net productivity and the lowest specific fuel consumption a proposed.