

10) $Y_N = 0,011 + 2,59(r=0,73);$ (11)
 $Y = 0,0007 + 0,2449(r=0,71).$ (12)

(13):
 $N = \frac{(\quad - \quad)^2}{0,011}, /$ (13)

, %.

2. ()	(N, P, %)	(, -)
$= -6,1N^2 + 52,0N - 62,8$	0,72	(7)
$= -113,4^2 + 105,3 - 19,8$	0,72	(8)
$= -0,07N^2 + 1,01N - 2,04$	0,82	(9)
$= -147,2^2 + 87,4 + 8,35$	0,70	(10)

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PHYSIOLOGICAL PRINCIPLES OF WINTER RYE FERTILIZATION

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Summary. Relationships between the rates of organic fertilizers, the content of nutrients in the soil and winter rye leaves, and the rye grain yield were revealed and mathematically described.

Key words: winter rye, yield, mineral fertilizer rates, regression equations.