

[illegible]

7

23

8),

1-2⁰

(2006-2007 .), 2008-

2009 .,

, 10 5⁰ .

15-18⁰ .

(20)

(V = 36-40%) .

[2],

Excell 2007.

30 , (25)

(5) (.1).

[1,3].

[1,3,4].

[3].

1.

		/ 2				M±m	V,%
		2006	2007	2008	2009		
I – 25		284	314	241	280	279,9±14,9	10,7
	N ₄₀ P ₄₀	302	323	246	302	293,2 ± 16,4	11,2
II -30		270	275	257	260	265,5±4,2	3,2
	N ₄₀ P ₄₀	279	304	268	300	287,9 ± 8,7	6,0
III – 5		277	305	289	282	288,4±6,1	4,2
	N ₄₀ P ₄₀	293	332	280	294	299,8 ± 11,2	7,5
05		12	22	25	8	12	-
		16	15	17	12	12	-

2006-2009

0-20

– r=0,21-0,40.

5- 14- (r=0,62-0,80)

$(N_{40}P_{40})$
 $(5, 1)$
 $(7,0 \pm 0,1), (1,31 \pm 0,2\%),$
 $(252 \pm 11,5 /)$
 $(144,0 \pm 12,3 /)$

$$-2,61 \pm 0,8 \quad / \quad .$$

0,2) $(r=0,87 \pm 0,2 \quad r = 0,75 \pm 0,2)$ $(r=0,88 \pm 0,2 \quad r = 0,92 \pm 0,1)$

– r =0,982.

$$-Y = 38,9 + 2,31t + 0,52w,$$

$$N_{40}P_{40} - Y = 33,4 + 3,22t + 0,34w,$$

$$Y = \dots, \%, t - \dots, w - \dots$$

$$(30 \dots)$$

$$(r = 0,97 \pm 0,2)$$

$$(r = 0,70 \pm 0,3).$$

$$-Y = 69,7 + 0,82w,$$

$$N_{40}P_{40} - Y = 71,0 + 1,41w,$$

$$w - \dots$$

$$(30 \dots) - 5 \dots 14 - \dots$$

$$r = 0,46 \pm 0,3,$$

$$- r = 0,53 \pm 0,2$$

$$(r = -0,88 \pm 0,2)$$

$$(r = -0,42 \pm 0,3).$$

$$(r = -0,24 \dots -0,54).$$

$$(30 \dots)$$

$$(\dots)$$

$$Y = 76,60 - 0,69t + 0,29w,$$

$$t - \dots$$

$$^0 ; w - \dots$$

$$(5 \dots)$$

$$8^0 \dots 3 \dots$$

$$5 \dots$$

$$(\dots) - r = 0,95 \pm 0,2,$$

$$N_{40} P_{40} r = 0,88 \pm 0,2.$$

1. \dots , 2001.-
 2. \dots , 1980. - 293.
 3. \dots , 1999. - 422.
 4. \dots , 1988. - 112.

STATISTICS AND DIAGNOSTIC MODELS OF OAT FIELD GERMINATION IN DRY STEPPE FARMING

A.S. Biltuev, L.V. Budazhapov, R.D. Norbovanzhilov, B.D. Tsydygov

Filippov Buryat State Agricultural Academy

ul. Pushkina 8, Ulan-Ude, Buryat Republic, 670010 Russia - mail: nitrolu@mail.ru

On the basis of a field experiment, correlations were revealed and models of oat field germination on chestnut soil depending on the hydrothermal conditions of dry steppe during seed germination were developed. Maximum field germination of middle-ripening oat cultivar depending on the sowing date under arid conditions of Buryatia was also determined.

Keywords: oat, field germination, diagnostic models.