

... , . . . ,

(0-50) -

[2].

1,34-1,40 / ³.

(30-

40) - 1,65-1,67 / ³
(70-90) - 1,58-1,70 / ³,

[1,5].

[6].

1982 .

- 1,22-1,48 / ³.
- 1,43-1,48 / ³.

0,6 ,

1,3-1,5%, 23 , 4,4...4,8;
2 5 - 220-350 / , 2 - 80-190 / ³,

30-32 - 1,11
8-10 - 1,37 / ³.

20 50 ,
1,0-1,1 .

- 1,11-1,45 / ³,

[1,2].

160-165 , / ²),
10⁰ 1700-1900⁰ . / ².
(1983-2007) -

30-32 (12,0-13,9
8-10 - 17,6-22,6

416-724 , - 228-450 .

21,8-38,0 / ².

100 , - 71-262 ,
- 12-92 .

41

[3, 4].

, - 700 - 150 .

[7].

()

90-100 .

84-100 , - 149-174 ,
115-128 .

0,3 , 2-3 ,

[2].

1

- 20,0

- 25,6 / .

18,7 / ,

37%,

- 7%.

- 0,53 /

- 0,52 / .

2

$N_{60 \ 60 \ 60}$ — — —
 3 (2002-2004) — — —
 : — 24,7 0,06-0,12 „ , ,
 / , — 15,4, — 17,5, 32 44-48 / .
 : — 17,4 / .
 : — 2,84 / , — —
 2,92-3,33, — 2,7-3,07 / .
 0,16-0,26 / , —
 60 / — 0,41 / .
 3 2005-2007 . —
 , , , —
 — 32,4 / , —
 — 23,8 / , —
 — 19,8 / . —
 : — 0,44 / , — 47 / , —
 — 0,40 / , — 0,28 / . — — 16-32 / , —
 — 7-8 / . —
 40-
 51% () . , , 287 51
 4 — / .
 — (20-22 , —
 8-10 , 8-10 , 30-32
) 1994-1995 .
 2,8-2,9 / , — 4,0-4,1 /
 — 6,50-7,19 / . 1993 .
 8-10
 30-32 , 20-22 ,
 . —
 . 1. . . —
 8-10 30-32 . —
 . —
 30 — . 2006. 43 . 3.
 . 1975. 656 . 4. ,
 . 1985. 315 . 5. .
 // —
 . 1993. 1. . 5-12. 6. .
 . —
 . — , 2002. 240 . 7. . 1982. 140
 — $N_{30 \ 30 \ 30}$ — . 8. . . —
 — $N_{60 \ 60 \ 60}$ —
 — $N_{20 \ 30 \ 30}$ — // . — 2007. — 10. — . 30-33.

Optimizing the fertility of drained gleyic soddy-podzolic soils

V.D. Abashev

Rudnitsky Zonal Research Institute for Agriculture of North-East, Russian Academy of Agricultural Sciences, ul. Lenina 166a, Kirov, 610007 Russia

Summary. In long-term studies at the land-reclamation experimental station, the fertility of drained gleyic soddy-podzolic soils was preserved and the ecological situation in the agrolandscape was sustained by selecting soil tillage systems and fertilizers.

Key words: land-reclamation experimental station, crop rotation, soddy-podzolic soils, ecological situation