

20-22 °C

**1.**

(NP-1, NP-2)

N - NP-2 NP-1, 3 .

(56-58 (1,2 N = 3,47 NH<sub>4</sub>NO<sub>3</sub> = 5,4

(49 / ). HNO<sub>3</sub>)

2, NP-

4 - NP-1 1 . -

(540 / ) 3 -

(534 / ).

P<sub>2</sub>O<sub>5</sub>

NP-1 (N -

13,8 %, P<sub>2</sub>O<sub>5</sub> - 11,2 %)

NP- - 1 .

(19%), P<sub>2</sub>O<sub>5</sub> (18%) NP-1

(16%).

1. . . . .

// .- 2004.- 3 (18).- . 13-15.

2. . . . .

// .- 2007.- 6.- . 14-16. 3. .

//

.- 2008.- 6.- . 32-34. 4. .

// . . . . . 119. - , 1987. - .

47-50. 5. . . . .

// . . . . . , 1969. - 22

6. Ca<sub>3</sub>(PO<sub>4</sub>)<sub>2</sub>-(NH<sub>4</sub>)<sub>2</sub>SO<sub>4</sub>-H<sub>2</sub>O, Ca<sub>3</sub>(PO<sub>4</sub>)<sub>2</sub>-NH<sub>4</sub>NO<sub>3</sub>-H<sub>2</sub>O Ca<sub>3</sub>(PO<sub>4</sub>)<sub>2</sub>-NH<sub>4</sub>Cl-H<sub>2</sub>O 50° // .- 2004.- 5. 7.

.- . . . . , 2008.- 599 .

## EFFECT OF LIMING TIME ON THE EFFICIENCY OF GRANULATED PHOSPHORITE MEAL AND AMMONIUM NITRATE MIXTURES

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Fertilizers produced by the wet granulation of phosphorite meal (from the Egor'evsk deposit) and ammonium nitrate mixtures were tested in a pot experiment for two years. It was found that the direct effect and aftereffect of the studied fertilizers were comparable to those of double superphosphate. The highest efficiency of NP fertilizers was reached at their application a week before liming.

Keywords: granulated NP fertilizers, phosphorite meal, effect and aftereffect of phosphoric fertilizers.