

...

8

40

70-90 /

()

2002-2004

70, 80, 90 /

[2,4].

2

30

« »

« »

(« »).

2,07%,

– 0,11-0,15 %.

21,0 - /100

50-60 %.

7,0 8,3.

75-65 85-75%

«

», «

85%

70 (N₁₃₀P₅₃K₆₅), 80 (N₁₅₀P₆₀K₇₅) 90 /

(N₁₇₀P₆₇K₈₅) [5].

()

()

()

6-

(0,9 + 0,5)·0,36

70-90 /

()

« »			
2002-2004			
/		, %	/

70	N ₁₃₀ P ₅₃ K ₆₅	75-65	53,1
		85-75	66,8
		85	78,7
80	N ₁₅₀ P ₆₀ K ₇₅	75-65	63,3
		85-75	78,0
		85	84,3
90	N ₁₇₀ P ₆₇ K ₈₅	75-65	64,4
		85-75	86,3
		85	87,9

05=2,18 /

70	N ₁₃₀ P ₅₃ K ₆₅	75-65	51,2
		85-75	60,8
		85	69,7
80	N ₁₅₀ P ₆₀ K ₇₅	75-65	57,7
		85-75	70,0
		85	80,9
90	N ₁₇₀ P ₆₇ K ₈₅	75-65	60,6
		85-75	80,7
		85	84,6

05=2,28 /

1,9-9,0 / 3,7-12,9%,

[3].

N₁₃₀ P₅₃ K₆₅ N₁₇₀ P₆₇ K₈₅

11,3-19,5 / 21,3-29,2%.

[5],

75-65 85-75%

0,4 75-65 85%

70,0 90,0 /

21,0-25,6 18,5-24,0 /

10 20,

– 4417-4867 5083-5417^{3/}

– 5109-5579 5598-5852^{3/}

400-550 250^{3/}

– 84,3-105,0 67,1-85,2 ³/ .

250-550 ³/ , 65%) 70 / (N₁₃₀P₅₃K₆₅), 7,23-10,43; 29,19-31,90; 366-395

95% / .

85% 70 90 / , N₁₃₀P₅₃K₆₅ N₁₇₀P₆₇K₈₅, 75-65 « - » « »

85% N₁₃₀P₅₃K₆₅ N₁₇₀P₆₇K₈₅, 30,8-32,4 40,1-42,2 ²/ . 1,65-1,79 2,17-2,19 13,66-14,79 11,15-

2,99-4,64 5,56-7,87 / . 11,32 / .

1. . . . – . : , 1981. – 304 . 2. . . . // . – 1964. – 3. – . 34-38. 3. . . .

(2,46-5,14 /) – , 1970. – 20 . 4 –

(11,19-26,37 /) – « - » - : 06.01.02 (328-349 /). , 1995. – 23 . 5. . . . –

∴ , 1994. – 266 .

Yield of tomatoes under sprinkling in the Volga–Don interfluve

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Summary. The results of studying the effect of water and nutrient supply of soil on the yield of the Novichok tomato cultivar and the Rio-Grande tomato hybrid in the Volga–Don interfluve were generalized. The irrigation procedures and the application rates of mineral fertilizers used in the experiments were substantiated. The results on the tomato yield were obtained; the ecological safety and the agro-energetic efficiency of tomato production technology were assessed.

Key words: sprinkling irrigation, vegetable production, tomatoes