

Starter P Rate Trial - NFREC SV

Replication
1

0 lbs P (28-0-0-5)

60 lbs P (10-34-0)

15 lbs P, (23-9-0)

Replication
2

15 lbs P (23-9-0)

0 lbs P, (28-0-0-5)

60 lbs P, (10-34-0)

Replication
3

60 lbs P, (10-34-0)

15 lbs P, (23-9-0)

0 lbs P, (28-0-0-5)

Replication
4

15 lbs P (23-9-0)

0 lbs P, (28-0-0-5)

60 lbs P, (10-34-0)

40 ft

20

Table 1: Starter fertilizer used in each phosphorus treatment and N, P, and Sulfur content.

P Treatment	Gallons 28-0-0-5	Gallons 23-9-0	Gallons 10-34-0	Total gallons starter fertilizer	Total N	Total P2O5	Total Sulfur
0	15	0	0	15	42.67	0	7.62
15	1.78	15	0	23.86	42.67	14.72	0.9
60	8.86	0	15	16.78	42.67	59.42	4.5

Table 2: Fertilizer applications of applied nitrogen and potassium. Additional application of nutrients will be determined based on pre-season soil test results.

P rate (lb./acre) Treatment	Planting	20 days after planting	35 days after planting	45 days after planting	55 days after planting	65 days after planting
		250 lbs per acre rate of 20-0-12	250 lbs per acre rate of 20-0-12	9 gallons per acre rate UAN 32-0-0		
	Banding	Banding	Banding	Broadcast fertigation	Broadcast Fertigation	Broadcast Fertigation
0	N = 42.67 lbs	N = 50 lbs K20 = 30 lbs	N = 50 lbs K20 = 30 lbs	N = 31.80 lbs	N = 31.80 lbs	N = 31.80 lbs
15	N = 42.67 lbs	N = 50 lbs K20 = 30 lbs	N = 50 lbs K20 = 30 lbs	N = 31.80 lbs	N = 31.80 lbs	N = 31.80 lbs
60	N = 42.67 lbs	N = 50 lbs K20 = 30 lbs	N = 50 lbs K20 = 30 lbs	N = 31.80 lbs	N = 31.80 lbs	N = 31.80 lbs