

Sierra Field Station
Phosphorus Trial
Harvested: May 2, 1972

	I	II	III	IV	T	\bar{M}
Check	45.0	32.75	33.0	32.0	142.75	35.7
250	46.5	39.75	33.75	34.5	154.5	38.6
500	46.75	34.0	34.0	34.75	149.5	37.4
1000	43.5	40.0	33.5	31.75	148.75	37.2
	181.75	146.5	134.25	133.0	595.5	

Source	df	ss	MS	OF	RF	
					5%	1%
Total	15	446				
Blocks	3	388	129.333	28.39	3.86	6.99
Treatments	3	17	5.797	1.27	3.86	6.99
Error	9	41	4.555			

$$C = \frac{(595.5)^2}{16} = 22,163.765$$

$$SSB = \frac{90,207.375}{4} - C = 22,551.843 - C = 388.078$$

$$SST = \frac{88,724.625}{4} - C = 22,181.156 - C =$$

$$SS = 22,609.875 - C$$

6	32	47	35	46	160	40.0	1000
7	40	29	30	32	131	32.75	Check
8	39	35	21	41	136	34.0	500
9	35	25	31	43	134	33.5	1000
10	32	26	19	55	132	33.0	Check
11	27	35	27	47	136	34.0	500
12	34	23	40	36	133	33.75	250
13	32	37	32	27	128	32.00	Check
14	32	25	39	43	139	34.75	500
15	33	33	46	26	138	34.5	250
16	30	31	39	27	127	31.75	1000

Summary of Rose Clover
Forbes Phosphorus Trial
5 May 1972

Treatment	Row No.	Dry Wt. (gms)	Node No.	Height (cm)	4-row average		
					Dry Wt.	Node No.	Height
Check	1	3.02	7.70	16.42	3.46**	7.97	17.23**
	7	3.65	7.85	17.80			
	10	4.00	8.00	17.74			
	13	3.16	8.35	16.94			
250 lbs	up 2	5.20	7.65	17.45	7.60	7.97	20.78
	down 5	10.51	7.85	22.43			
	up 12	6.87	8.05	21.17			
	down 15	7.81	8.35	22.07			
500 lbs	3	9.10	8.50	22.00	8.58	8.39	21.47
	8	7.51	8.75	19.75			
	11	8.61	8.00	21.36			
	14	9.10	8.30	22.72			
1000 lbs	4	6.80	8.75	20.45	9.35	8.56	21.36
	6	7.99	8.21	22.71			
	9	9.11	8.50	21.93			
	16	13.52	8.75	20.50			

** Significantly different at the 1% level, Duncan's New Multiple Range Test.

Dry Matter
3.46 7.60 8.58 9.35**

Height
17.23 20.78 21.47 21.36**