

July 2, 1973
Arthur Swenerton
County Director - Solano County

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Extension Range Specialist
Phosphorus Source and Rate Trial

Dear Art:

Attached are the results of the plot at McCormack. This indicates a significant difference between the check and treble super (or at least almost) at the 5 percent level. We then compared all the rest of the phosphorus and sulfur treatments among themselves but not with the check. The only one that might possibly be statistically different would be the 2000 pounds of single super. We were a little too late in trying to harvest this plot for maximum yield. This particular climatic season did not help us out with these types of plots. Maybe we can talk about this at a later date.

Cordially.

WJC:rb
Encl.

Solano County
Duncan McCormack, Jr.
Harvested: April 17, 1972

		I	II	III	IV	T	\bar{M}
2000	Super	1,231	1,494	978	1,027	4,730	1,183
1000	Super	1,273	1,391	1,390	1,121	5,175	1,294
500	Super	1,267	1,256	909	781	4,212	1,053
1200	CSPS	1,475	1,312	935	1,208	4,930	1,234
600	CSPS	1,063	1,412	1,249	1,068	4,792	1,198
300	CSPS	921	1,247	967	1,018	4,153	1,039
327	Treble	1,256	1,174	940	1,018	4,388	1,097
Check		979	848	762	807	3,396	849

Source	df	ss	MS	OF	RF	
					5%	1%
Total	31	1,336,657				
Block	3	394,119	131,373	7.05**	3.07	4.87
Treatment	7	551,653	78,808	4.23**	2.49	3.65
Error	21	390,885	18,614			
Treatment	7	551,653	78,808	4.23**	2.49	3.65
P Response	1	123,008	123,008	6.60*	4.32	8.02
S Response	1	59,203	59,203	3.18	4.32	8.02
S Source	1	2,440	2,440	.13		
P S Rate	2	104,652	52,326	2.81	3.47	5.78
P S Rate & Source	2	4,225	2,113			

LSD .05 = 200.7

Solano County
Clover Experiment
Harvested: April 17, 1972

	<u>Fresh</u> <u>Wt.</u>	<u>Dry</u> <u>Wt.</u>	<u>%</u> <u>Dry</u> <u>Matter</u>		<u>Fresh</u> <u>Wt.</u>	<u>Dry</u> <u>Wt.</u>	<u>%</u> <u>Dry</u> <u>Matter</u>
1.	282.0	145.0	51.4	17.	275.0	125.0	52.7
2.	355.0	175.0	49.3	18.	233.0	125.0	53.6
3.	340.0	150.0	44.1	19.	325.0	158.0	48.6
4.	322.0	150.0	46.6	20.	388.0	185.0	47.7
5.	370.0	165.0	44.6	21.	363.0	170.0	46.8
6.	385.0	140.0	36.4	22.	355.0	185.0	52.1
7.	295.0	145.0	49.2	23.	325.0	170.0	52.3
8.	330.0	155.0	47.0	24.	410.0	190.0	46.3
9.	380.0	197.0	51.8	25.	360.0	190.0	60.0
10.	325.0	150.0	46.2	26.	377.0	202.0	53.6
11.	280.0	145.0	51.8	27.	300.0	150.0	50.0
12.	302.0	165.0	54.6	28.	305.0	160.0	52.5
13.	330.0	162.0	49.1	29.	285.0	160.0	56.1
14.	335.0	165.0	49.3	30.	280.0	145.0	51.8
15.	275.0	125.0	45.5	31.	285.0	145.0	50.9
16.	368.0	170.0	46.2	32.	280.0	145.0	51.8