

Comments on Table 32: Super 1 cwt. and super 2 cwt. both show paying increases, although the larger amount of super has not increased the yield over super 1 cwt. The addition of nitrate of soda to super 1 cwt. has increased yield by 6 bushels over super 1 cwt., although the addition of nitrate of soda to super 2 cwt. has not affected the yield. This result is entirely anomalous, and cannot be accounted for. Lime has not affected yield.

SUMMARY OF RESULTS.

Table 33.—Differences in Yields in Bushels per Acre between (a) Super 1 cwt. and no Manure, (b) Super 1 cwt. plus Nitrate of Soda 1 cwt. and Super 1 cwt., (c) Super 1 cwt. plus Nitrate of Soda 1 cwt. and no Manure. (Types A and B Experiments.)

Experiment No. in Text.	Increase due to Manures.			Experiment No. in Text.	Increase due to Manures.		
	Increase of Super 1 cwt. over no Manure.	Increase of Super 1 cwt. plus Nitrate/Soda 1 cwt. over Super 1 cwt.	Increase of Super 1 cwt. plus Nitrate/Soda 1 cwt. over no Manure.		Increase of Super 1 cwt. over no Manure.	Increase of Super 1 cwt. plus Nitrate/Soda 1 cwt. over Super 1 cwt.	Increase of Super 1 cwt. plus Nitrate/Soda 1 cwt. over no Manure.
1	5.7	4.8	10.5	17	2.6	9.2	11.8
2	3.6	-1.7	1.9	18	4.4	4.5	8.9
3	3.5	1.0	4.5	19	5.0	6.0	11.0
4	3.3	7.6	10.9	20	7.0	-0.8	6.2
5	6.7	3.2	9.9	21	4.7	4.1	8.8
6	1.4	3.6	5.0	22	4.6	7.3	11.9
7	3.4	4.8	8.2	23	3.3	7.9	11.2
8	2.5	0.1	2.6	24	1.0	8.3	9.3
9	0.8	7.9	8.7	25	2.4	6.7	9.1
10	2.5	7.0	9.5	26	5.3	4.0	9.3
11	1.7	7.5	9.2	27	2.8	5.9	8.7
12	5.6	6.3	11.9	28	4.9	5.7	10.6
13	0.4	1.5	1.9	29	3.1	3.2	6.3
14	5.7	3.2	8.9	30	4.4	-0.5	3.9
15	3.8	0.4	4.2	31	4.2	4.1	8.3
16	5.5	2.3	7.8	32	4.9	6.0	10.9

NOTES.—Increases printed in heavy type are statistically significant. A minus sign preceding a figure indicates a decrease.

Comments on Table 33.

Super 1 cwt.—Average increase due to super 1 cwt. (thirty-two experiments) equals 3.8 bushels per acre. Average profit due to super 1 cwt. equals 13s. per acre.

Super has increased the yield to a significant extent in thirty out of thirty-two experiments. In the other two experiments and in one of the thirty the increases were too small to meet the cost of 1 cwt. of super.

Nitrate of Soda.—Average increase due to nitrate of soda 1 cwt. equals 4.4 bushels per acre. Average profit per acre due to nitrate of soda 1 cwt. equals 6s. per acre.

Average increase due to super 1 cwt. plus nitrate of soda 1 cwt. equals 8.2 bushels per acre. Average profit per acre due to super 1 cwt. plus nitrate of soda 1 cwt. equals 19s. per acre.