

RESULTS OF GRAIN TESTS ON PLOTS FERTILIZED IN 1887.

Yield of Straw and Grain in lbs. per plot of 1/40 acre.

	SALT.		SUPERPHOSPHATE.		APATITE.		FARM-YARD MANURE.		NO MANURE.	
	Straw.	Grain.	Straw.	Grain.	Straw.	Grain.	Straw.	Grain.	Straw.	Grain.
Oats—13 tests	1 71.11	4 36.03	2 70.15	2 36.84	3 67.9	3 36.21	4 65.3	1 37.	5 62.55	5 34.9
Wheat—6 tests	3 56.25	4 22.51	4 54.85	2 25.51	2 57.25	3 23.181	1 65.125	1 27.9	5 50.5	5 20.5
Barley—8 tests	3 57.28	1 35.81	2 57.29	3 32.38	5 54.50	5 30.97	1 57.96	2 34.97	4 55.0	4 31.0
Average	1 64.27	3 33.71	2 63.51	1 35.22	4 62.02	4 31.79	3 63.14	2 34.62	5 58.03	5 31.32

RESULTS ON GRAIN PLOTS WHICH WERE FERTILIZED IN 1886.

Yield of Straw and Grain in lbs. per plot of 1/40 acre.

	SALT.		SUPERPHOSPHATE.		GYPSUM.		NO MANURE.	
	Straw.	Grain.	Straw.	Grain.	Straw.	Grain.	Straw.	Grain.
Oats—3 tests	4 62.7	4 30.1	3 63.3	2 36.4	2 65.8	3 35.4	1 76.3	1 38.1
Wheat—1 test	4 68.	1 26.	2 90.5	2 18.5	1 96.00	4 16.00	3 86.00	3 18.00
Average	4 63.57	4 29.41	3 67.83	2 33.41	2 70.83	3 32.16	1 77.91	1 34.75

NUMBER OF TIMES EACH FERTILIZER WAS FIRST.

	SALT.		SUPERPHOSPHATE.		APATITE.		FARM-YARD MANURE.		NO MANURE.	
	Straw.	Grain.	Straw.	Grain.	Straw.	Grain.	Straw.	Grain.	Straw.	Grain.
Oats	1 6	5	2	2	1	1	4	2	2	2
Barley	2	4	3	2	.....	.....	3	2	.....	.....
Wheat	1	1	.....	2	2	.....	2	3	.....	1
Total	1 9	1 10	3 5	3 6	4 3	5 1	1 9	2 7	5 2	4 3

NOTE.—The figures in small type indicate the result of each experiment as compared with all the others. Thus, in the tests of the first table, salt on oats gave first place in straw and fourth in grain, while on wheat it gave third place in straw and fourth in grain.