

PARTICULARS OF MANURIAL EXPERIMENTS ON WHEAT—*continued.*

No. 15, 2-acre Plots.	Kind of Manure.						Quantity per Acre.	Cost per Acre.		
No.							Cwt.	£	s.	d.
1	Sulphate of ammonia	...	...	...	...	...	11½	1	2	6
2	Dried blood (Belfast)	...	...	...	...	...	3	0	18	0
3	Sulphate of ammonia	...	...	...	...	...	1	1	2	6
4	Superphosphate of lime	...	...	...	...	...	1			
	Dried blood	...	...	...	...	...	2			
	Superphosphate of lime	...	...	...	...	...	1	0	17	6
5	No manure.	...	...	...	...	...				
6	Sulphate of ammonia	...	...	...	...	...	3¼	0	11	3
7	Dried blood	...	...	...	...	...	1½	0	9	3
8	Superphosphate of lime	...	...	...	...	...	2	0	16	0
9	No manure.	...	...	...	...	...				
10	Sulphate of ammonia	...	...	...	...	...	11½	1	2	6
11	Superphosphate of lime	...	...	...	...	...	3	1	4	0

NOTE.—Manure on plots Nos. 1 to 4 and 6 to 8 drilled with the seed. Manure on plots Nos. 10 and 11 sown with strawsonizer.

APPENDIX No. 9.

EFFECTS of HOT WATER and other DRESSINGS on the GERMINATION of WHEAT.

Tuscan Wheat (sown under glass).			Temperature of Water.	Period of Immersion.	Per Cent. germinated on					Remarks.
					5th day.	7th day.	10th day.	12th day.	15th day.	
1.	Water only	...	Deg. F. 150	Min. 1	35	70	...	89	..	Rest dead.
2.	"	...	145	1	92	...	...	...	...	"
3.	"	...	145	½	100	...	...	...	...	Strong growth.
4.	"	...	140	1	96	...	...	...	...	"
5.	And in bluestone, 1oz. to 1qt. water	...	140	1	3	6	18	36	51	Rest dead.
6.	Water only	...	140	¼	96	...	...	...	...	Stronger than 3.
7.	"	...	135	2	82	96	...	...	...	Not as strong.
8.	"	...	135	1	100	...	...	...	...	Strongest.
9.	And in bluestone, 1oz. to 1qt. water	...	135	1	0	3	21	32	36	Rest dead.
10.	Water only	...	130	2	91	...	...	...	...	Equal to 3.
11.	"	...	130	1	96	...	...	...	...	Equal to 6.
12.	And in bluestone, 1oz. to 1qt. water	...	130	1	0	0	9	24	27	Rest dead.
13.	Water only	...	125	1	100	...	...	...	...	Equal to 6.
14.	And in bluestone, 1oz. to 1qt. water	...	125	1	0	0	6	21	27	Rest dead.
Smuttet Hunter's (in sand), No. 23.					10th day.	12th day.	16th day.	20th day.	23rd day.	
1.	Water only	...	127	5	...	42	90	...	...	
2.	"	...	127	2	...	60	98	100	...	
3.	And in bluestone, 1oz. to 1qt. water	...	127	2	2	15	52	80	88	Rest dead.
4.	Water only	...	135	5	0	50	98	...	...	
5.	"	...	135	2	0	57	93	...	...	
6.	"	...	135	1	3	53	98	...	...	
7.	And in bluestone, 1oz. to 1qt. water	...	135	1	0	5	25	67	77	Rest dead.
8.	Bluestone only, 2oz. to 1qt. water	...	...	...	0	2	10	22	38	"
9.	Water only	...	142	2	2	36	82	85	...	
10.	And in bluestone, 1oz. to 1qt. water	...	142	1	0	5	40	87	...	
11.	Cold water, 6 hours, and blue- stone as 10	...	...	...	0	5	20	40	50	And 63 in 30 days; rest dead.
12.	Carbolic acid and Calvert's No. 5, 1oz. to 1qt. water	...	...	...	0	10	50	74	75	Rest dead.
13.	No dressing	...	...	...	8	75	98	...	...	