

The analysis of soils of a country should be systematically carried out for the information of scientists, but not for the farmer with a view of ascertaining what is the most suitable crop or what manure he should apply. As I have said, mechanical condition, locality, subsoil, climate, &c., affect the productiveness of soils more than their chemical composition, and in cases of useful soils which may have been worked out, it is better to rely upon the application of phosphates for turnips, nitrogen for cereals, grasses, &c., than to worry over analysis.

If soils are not useful the farmer does not want analysis, for he does not take up such soils, knowing intuitively that not all the phosphates or nitrogen he could apply would render them so fertile that he could produce from them payable crops of wheat, or grass, or other crop.

APPENDIX No. 7.

LIST of WHEATS GROWING EXPERIMENTALLY on the FARM.

1. Blount's Trap.	36. Minnesota Fife.
2. Pringle's No. 6.	37. Oregon Fife.
3. Egyptian.	38. Indian.
4. Blount's Basalt.	39. Eldorado.
5. Hedgerow.	40. White Mexican.
6. Dominion.	41. Durmur.
7. Lost Nation.	42. Polish.
8. Golden Globe.	43. Odessa.
9. China Tea.	44. Russian.
10. Meekins.	45. Sherman.
11. Rustproof.	46. Defiance.
12. Australian Club.	47. Suvator.
13. Saxon Fife.	48. Vermont.
14. Cretan.	49. Prussian.
15. Centennial.	50. White Fife.
16. Square-head.	51. White Russian.
17. Australian Winter.	52. Early Baart.
18. Chili.	53. Gallant's Hybrid.
19. Blount's.	54. Indian.
20. Touzelle.	55. Indian Beardless.
21. Samara.	56. Champlain.
22. Mediterranean.	57. Ward's Prolific.
23. Blount's Hybrid.	58. Sonora.
24. Walker.	59. Improved Fife.
25. Australian Hard.	60. China Spring.
26. Canadian Club.	61. Zealand.
27. Brooks's.	62. Steinwedel.
28. The Blount.	63. Du Toits.
29. Dallas.	64. Farmer's Friend.
30. Lambrigg.	65. Rattling Tom.
31. Purple Chaff.	66 to 76. Carter's Cross-bred A to K.
32. Australian Loft.	77. Poulard.
33. Pringle's No. 4.	78. Rieti.
34. Rio Grande.	79. Souvenir de Mars.
35. Roseworthy.	80. Sample No. 5.

APPENDIX No. 8.

PARTICULARS of MANURIAL EXPERIMENTS on WHEAT.

No. 10, ½-acre Plots.	Kind of Manure.	Quantity per Acre.	Cost per Acre.
No.		Cwt.	£ s. d.
1	Sulphate of ammonia, one dressing (in winter) ...	1½	1 2 6
2	Sulphate of ammonia, two dressings (winter and spring) ...	1½	1 2 6
3	Sulphate of ammonia (in winter) ...	¾	} 1 4 0
	Superphosphate of lime (in winter) ...	1½	
4	Sulphate of ammonia (in winter) ...	1½	} 2 6 6
	Superphosphate of lime (in winter) ...	3	
5	No manure.		
6	Lime (in winter) ...	5	0 6 6
7	Sulphate of ammonia, two dressings (winter and spring) ...	3	2 5 0
8	Sulphate of ammonia (in spring) ...	¾	} 1 4 0
	Superphosphate of lime (in winter) ...	1½	
9	Sulphate of ammonia (in spring) ...	1½	} 2 6 6
	Superphosphate of lime (in winter) ...	3	
10	Superphosphate of lime (in winter) ...	3	1 4 0
11	Patent silicate manure ...	5	...