

Summary of Numbers of Experiments laid down, discontinued, and carried on for the Period
1st April, 1947, to 31st March, 1948

Nature of Trial.	As at 1st April, 1947.	Discontinued during Year.	Laid down during Year.	As at 31st March, 1948.
1. Pasture—				
(a) Mowing trials	12	1	12	23
(b) Observational top-dressing	102	4	64	162
(c) Minor element	4	2	2	4
(d) Potash survey .. .. .	..	..	20	20
(e) Pasture species and strains	40	2	58	96
(f) Pasture establishment (general)	6	..	9	15
(g) Surface-sown legumes	53	1	19	71
(h) Short-rotation rye-grass	30	8	..	22
(i) Depleted land	3	..	2	5
2. Crops—				
(a) Wheat, manurial	4	5	10	9
(b) Wheat, variety	21	23	24	22
(c) Wheat, method of sowing .. .. .	..	..	3	3
(d) Oats	5	5	9	9
(e) Barley	12	14	21	19
(f) Cereal green feed .. .. .	..	..	6	6
(g) Brassicas	47	49	45	43
(h) Linen flax	5	5	4	4
(i) Linseed	4	4	4	4
(j) Sugar-beet	3	3	3	3
(k) Onions	2	2	..	..
(l) Lucerne	6	1	4	9
(m) Lupins	5	6	8	7
(n) Peas	1	1	1	1
(o) Maize	12	12	8	8
(p) Potatoes	33	33	42	42
(q) Other crops	1	..	6	7
3. Miscellaneous—				
(a) Pampas-grass	5	2	2	5
(b) Weed control	73	64	122	131
(c) Cultivation practices	5	..	10	15
(d) Casting worms	79	..	..	79
(e) Blind-seed disease of rye-grass .. .. .	..	..	9	9
(f) Insects and insecticides .. .. .	..	..	5	5
(g) Others	5	..	9	14
Totals	578	247	541	872

SOIL FERTILITY RESEARCH STATION, HAMILTON

During the year considerable progress has been made in establishing the basic programme of research which was laid down at the inauguration of the Station. Limitations of staff and buildings have continued as serious factors in determining the scope of projects that could be undertaken. These have been most acutely felt in the technical field-work and in facilities for working up and co-ordination of results. Plans for a central building have been completed and the first steps toward preparation of the site have been put in hand.

The acquisition of an area of flat land adjoining the Rukuhia Airport has provided opportunity for field experiments on a lighter and more responsive type of soil (Horotiu sandy loam) than any on the Station site. It is also well suited for trials involving cultivation and growing of crops.