FIELD DAY

The field day was spent on the farms of Mr G. Fougere, Springhills, Mr S. C. Bowmar, Waiumu, and Mr J. Hillis, Edendale. The location of each farm is indicated by a star on the route map below.

The salient facts about each farm, together with the layout, are given in the following pages.
FARM OF G. FOUGERE, SPRINGHILLS
274 ACRES

Type of Farming
Fat lambs and wool with some cropping.

Soil
Strongly leached; yellow-brown earth on the hill, gley soil on the lower country.

Rainfall
Approximately 38 in. per annum—fairly evenly distributed throughout the year, although winter months can be lightest as far as rain is concerned.

Carrying
1,150 ewes (including 30 Border Leicester stud ewes), and 250 hoggets.
20 cattle are usually bought in at the end of June and disposed of during the following June, if possible.

Usual Rotation
Lea / swedes / wheat.

Usual Pasture Mixture

<table>
<thead>
<tr>
<th>Grass Type</th>
<th>Per</th>
<th>lb</th>
</tr>
</thead>
<tbody>
<tr>
<td>Perennial ryegrass</td>
<td></td>
<td>20</td>
</tr>
<tr>
<td>Short-rotation ryegrass</td>
<td></td>
<td>10</td>
</tr>
<tr>
<td>Cockfoot</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>Timothy</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>Dogstail</td>
<td></td>
<td>½</td>
</tr>
<tr>
<td>White clover</td>
<td></td>
<td>2</td>
</tr>
</tbody>
</table>

Topdressing
Usually 2 cwt super per acre per year.

Wheat Yield
60 bushels per acre.

Drainage
Drainage costs have totalled £2,800, or £10 per acre.
FARM OF S. C. BOWMAR, WAIMUMU
491 ACRES

Type of Farming
Fat lambs and wool, and some beef cattle are fattened.

Soil
Intermediate yellow-grey and yellow-brown earth.

Rainfall
32 in. to 34 in. The winter months can be those of lightest rain- fall.

Carrying
1,650 ewes (including 500 to 600 ewe hoggets). 30 to 40 cattle
are bought in every year for pasture control.

Usual Rotation
Lea / swedes / chou moellier / rape and grass.

Usual Pasture Mixture
Perennial ryegrass — — 8 lb
Short-rotation ryegrass — — 6 "
Cocksfoot — — 4 "
Timothy — — 2 "
Crested dogstail — — 1 "
White clover — — 4 "
Club-root-resistant rape — — 6 oz
Soft turnip — — 2 "

Topdressing
2 cwt of serpentine super per acre per annum. Potash is applied
at intervals and sulphate of ammonia is applied occasionally to
some paddocks.
FARM OF A. HILLIS & SON, EDENDALE
234 ACRES

Type of Farming
Mixed farming.

Soil
Yellow-brown earth. Moderately leached.

Rainfall
38 in. to 40 in. — varies considerably. 48 in. recorded in 1957.

Carrying
35 Friesian dairy cows and replacements, 1,050 ewes (including 200 two-tooths), 60 stud Southdown ewes, 7 beef cattle are bought in each year.

Rotation
Lea / swedes / chou moeller / grain and pasture. Pastures are autumn sown.

Pasture Mixture

<table>
<thead>
<tr>
<th>Grass Type</th>
<th>Percentage (in parts by weight)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Perennial ryegrass</td>
<td>10</td>
</tr>
<tr>
<td>Short-rotation ryegrass</td>
<td>20</td>
</tr>
<tr>
<td>Cocksfoot</td>
<td>7</td>
</tr>
<tr>
<td>Timothy</td>
<td>7</td>
</tr>
<tr>
<td>Cowgrass</td>
<td>2.5</td>
</tr>
<tr>
<td>White clover</td>
<td>4</td>
</tr>
<tr>
<td>Suckling clover</td>
<td>1</td>
</tr>
</tbody>
</table>

Topdressing
Reverted super at 3 cwt per acre. Potash is also applied at intervals.