

|                                | Experimenter.                                        | Grain.         | Fertilizer.                         | Straw in lbs.   | Grain in lbs. | Total. | Soil.                                        |
|--------------------------------|------------------------------------------------------|----------------|-------------------------------------|-----------------|---------------|--------|----------------------------------------------|
| I.                             | J. B. Muir, Bruce Co. ....                           | Wheat          | No fertilizer                       | 46-10 lbs chaff | 32            | 88     | Clay loam to clay, with clay sub-soil.       |
|                                |                                                      | "              | Salt                                | 42-10 "         | 34            | 86     |                                              |
|                                |                                                      | "              | Gypsum                              | 44-9 "          | 33            | 86     |                                              |
|                                |                                                      | "              | Superphosphate                      | 50-8 "          | 34            | 92     |                                              |
| II.                            | J. G. McKay, Bruce Co. ....                          | Wheat          | No fertilizer                       | 73              | 21            | 94     | Clay loam.                                   |
|                                |                                                      | "              | Salt                                | 60½             | 19½           | 80     |                                              |
|                                |                                                      | "              | Gypsum                              | 73              | 21            | 94     |                                              |
|                                |                                                      | "              | Superphosphate                      | 66½             | 16½           | 83     |                                              |
| III.                           | E. M. Zavitz, Middlesex Co.                          | Wheat          | No fertilizer                       | 57½             | 23½           | 81     | Clay loam inclined to loam, gravel sub-soil  |
|                                |                                                      | "              | Salt                                | 77              | 36            | 113    |                                              |
|                                |                                                      | "              | Gypsum                              | 62½             | 27½           | 90     |                                              |
|                                |                                                      | "              | Superphosphate                      | 58              | 23            | 81     |                                              |
| IV.                            | T. Raynor, Pr. Edward Co. ....<br>(See notes below.) | Barley         | No fertilizer                       | 8               | 12            | 20     | Clay loam.                                   |
|                                |                                                      | "              | Salt                                | 10½             | 15½           | 25½    |                                              |
|                                |                                                      | "              | Gypsum                              | 10½             | 14½           | 25½    |                                              |
|                                |                                                      | "              | Superphosphate                      | 9½              | 13½           | 22½    |                                              |
| V.                             | Geo. Charlton, Brant Co. ....                        | Barley         | No fertilizer                       | 35              | 35            | 70     | Clay loam, with clay sub-soil.               |
|                                |                                                      | "              | Salt                                | 43              | 39            | 82     |                                              |
|                                |                                                      | "              | Gypsum                              | 43              | 37            | 80     |                                              |
|                                |                                                      | "              | Superphosphate                      | 43              | 38            | 81     |                                              |
| VI.                            | C. A. Keil, Chatham                                  | Barley         | No fertilizer                       | 39              | 42            | 81     | Rich alluvial soil.                          |
|                                |                                                      | "              | Salt                                | 28              | 33            | 61     |                                              |
|                                |                                                      | "              | Gypsum                              | 28              | 31½           | 59½    |                                              |
|                                |                                                      | "              | Superphosphate                      | 34              | 35            | 69     |                                              |
| VII.                           | E. Lick, Ontario Co. ....                            | Oats           | No fertilizer                       |                 | 32½           |        | Poor clay loam, inclined to gravelly nature. |
|                                |                                                      | "              | Salt                                |                 | 32½           |        |                                              |
|                                |                                                      | "              | Gypsum                              |                 | 26½           |        |                                              |
|                                |                                                      | "              | Superphosphate                      |                 | 32            |        |                                              |
| VIII.                          | A. L. F. Lehman, Simcoe Co.                          | Oats           | No fertilizer                       | 23-4 chaff      | 31            | 58     | Clay loam.                                   |
|                                |                                                      | "              | Salt                                | 20-4½ "         | 28.5          | 53     |                                              |
|                                |                                                      | "              | Gypsum                              | 22-8½ "         | 21.5          | 52     |                                              |
|                                |                                                      | "              | Superphosphate                      | 22-5 "          | 26            | 53     |                                              |
|                                |                                                      | "              | Farm yard manure, 20 tons per acre. | 33-6 "          | 33            | 72     |                                              |
|                                |                                                      | "              |                                     |                 |               |        |                                              |
| Average of experiments on—     | Experiment-er's Nos.                                 | Fertilizer.    | Straw in lbs.                       | Grain in lbs.   | Total in lbs. |        |                                              |
| Wheat                          | I., II., III.                                        | No fertilizer  | 62.25                               | 25.42           | 87.67         |        |                                              |
|                                |                                                      | Salt           | 63.17                               | 29.83           | 93.00         |        |                                              |
|                                |                                                      | Gypsum         | 62.92                               | 27.08           | 90.00         |        |                                              |
|                                |                                                      | Superphosphate | 60.83                               | 24.50           | 85.33         |        |                                              |
| Barley                         | V., VI.                                              | No fertilizer  | 37.00                               | 38.50           | 75.50         |        |                                              |
|                                |                                                      | Salt           | 35.50                               | 36.00           | 71.50         |        |                                              |
|                                |                                                      | Gypsum         | 35.50                               | 34.25           | 69.75         |        |                                              |
|                                |                                                      | Superphosphate | 38.50                               | 36.50           | 75.00         |        |                                              |
| Oats                           | VII., VIII.                                          | No fertilizer  | 27.00                               | 31.75           | 58.75         |        |                                              |
|                                |                                                      | Salt           | 24.50                               | 30.50           | 55.00         |        |                                              |
|                                |                                                      | Gypsum         | 30.50                               | 23.87           | 54.37         |        |                                              |
|                                |                                                      | Superphosphate | 27.00                               | 29.00           | 56.00         |        |                                              |
| All complete reports of crops. | I.                                                   |                |                                     |                 |               |        |                                              |
|                                | II.                                                  | No fertilizer  | 47.96                               | 30.99           | 78.95         |        |                                              |
|                                | III.                                                 | Salt           | 47.50                               | 31.78           | 79.28         |        |                                              |
|                                | V.                                                   | Gypsum         | 48.37                               | 28.21           | 76.58         |        |                                              |
|                                | VII.                                                 | Superphosphate | 47.58                               | 29.21           | 76.79         |        |                                              |