

The two-year rotation. . . . .	21
The three-year rotation. . . . .	21
The four-year rotation. . . . .	21
Five-year rotations. . . . .	22
Character and quantity of fertilizer. . . . .	22
What is meant by fertilizer. . . . .	22
Barnyard manure the farmer's fertilizer. . . . .	23
Humus. . . . .	23
Applying barnyard manure. . . . .	23
The quality of the manure. . . . .	23
Other methods of increasing humus. . . . .	24
Cultural operations. . . . .	24
The implement to use. . . . .	25
The broadcast seeder not recommended. . . . .	26
The roller. . . . .	28
The soil packer. . . . .	28
Spacing the rows. . . . .	28
Quantity of seed to sow. . . . .	28
Suitability and thoroughness of cultural operations. . . . .	34
The quality and variety of seed. . . . .	34
Harvesting methods. . . . .	34
Cost of cultural operations. . . . .	35
Wise economy of time and labour. . . . .	36
Cost of producing the crop unit. . . . .	38

Mr. A. G. GILBERT, Poultry Manager, Central Experimental Farm. . . . . 43-70

#### *RAVAGES OF BLACKHEAD IN TURKEYS.*

Description of the disease. . . . .	43
The extended ravages of Blackhead in Canada. . . . .	44
What we have done in Ottawa. . . . .	44
Symptoms of the disease. . . . .	46
Preventative measures. . . . .	47
Recommended remedies. . . . .	49

#### *THE PRODUCTION OF EGGS IN WINTER.*

The increasing demand for strictly new laid eggs. . . . .	55
The farmers' great opportunity to supply the strictly new laid eggs. . . . .	61
Formation of egg circles. . . . .	63
Best methods to adopt in procuring eggs in winter. . . . .	63
Proper rations for use during winter. . . . .	64
Best food and treatment of young chickens. . . . .	67
Moulting of the hens in summer. . . . .	67

Mr. JAMES E. JOHNSON, Simcoe, Ont. . . . . 71-94

#### *CO-OPERATIVE FRUIT CULTURE.*

Introductory remarks. . . . .	71
Formation and growth of Norfolk Fruit Growers' Association. . . . .	75
The packing of apples by the Association. . . . .	79
Prices obtained by the Association for its apples. . . . .	84