

the disease, which under suitable conditions may partially or completely ruin the crops, it is evident that the trouble is of decided economic importance, calling for further investigation. Further, the loss sustained is not confined solely to those crops which are a total failure, but varies according to the virulence of the disease, so that a removal of the cause would not only obviate the complete failures, but also improve the growth and average yield of what are regarded as satisfactory crops.

Results of field examinations, life-history of the casual organism, and control measures will be dealt with in subsequent articles.

LITERATURE CITED.

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- (2.) Statistical Report on the Agricultural and Pastoral Production of the Dominion of New Zealand, 1923-24.
- (3.) VAN HOOK, J. M. Blighting of Field and Garden Peas. *Ohio Agricultural Experiment Station Bulletin* 173, pp. 233-246, 1906.

TESTING OF PUREBRED DAIRY COWS.

JANUARY TO MARCH C.O.R. LIST.

W. M. SINGLETON, Director of the Dairy Division.

DURING the first quarter of the present calendar year some forty-six cows received certificates under the certificate-of-record system, details of their performances appearing in the appended list.

Perhaps the most creditable performance noted in the list is that of the junior two-year-old Ayrshire, Fair Maid of Greenbank, owned and tested by Mr. W. Moore, of Homebush, Masterton. Commencing test at the age of 2 years 27 days, she has gained a C.O.R. for 673.56 lb. butterfat. This entitles her to the leadership of the two-year-old Ayrshires, displacing Mr. W. Hall's Dimple of Edendale (529.46 lb. fat, on a record commenced at 2 years 327 days). Fair Maid of Greenbank is the only tested daughter of Brown Boy of Riki. Her dam is Bright Smile 4th of Greenbank (also owned and tested by Mr. Moore), who has qualified for certificate of record on a yield of 519.62 lb. fat at 2 years 21 days. Records such as these are doing much to bring the Ayrshire breed to that place which it deserves among our special-purpose dairy breeds.

Among the Friesians the highest yield here recorded is that of Dominion Jocrest, who was bred and tested at the Central Development Farm, Weraroa. Her production of 692.70 lb. butterfat was made under twice-a-day milking and practically average farm conditions during the whole period. This is the fourth consecutive lactation on which Dominion Jocrest has qualified for a first-class C.O.R. Her sire is the imported Woodcrest Joe, sire of nineteen C.O.R. daughters,