POTATO DISEASE RESEARCH PROJECTS IN CANADA
AND UNITED STATES IN 1972

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Abstract

Potato disease research projects in Canada and United States are arranged according to causal agent and objective. Names and addresses of investigators are given.

Section I includes a list of diseases arranged according to the nature of the disease-causing agent. Each disease is given a reference number. In Section II an alphabetical listing of research projects is given under each disease. The names of investigators are listed opposite each project title along with a code reference to the mailing addresses given in Section III.

I. Classification of Research Projects on Potato Diseases

1.0 Diseases caused by bacteria
   1.1 Bacterial ring rot
   1.2 Blackleg
   1.3 Others

2.0 Diseases caused by fungi
   2.1 Late blight
   2.2 Common scab
   2.3 Rhizoctonia
   2.4 Verticillium wilt
   2.5 Early blight
   2.6 Others

3.0 Diseases caused by viruses or associated with mycoplasma-like agents
   3.1 Non-specific projects
   3.2 Potato virus X
   3.3 Spindle tuber
   3.4 Leaf roll
   3.5 Others

4.0 Diseases caused by nematodes
   4.1 Non-specific projects
   4.2 Golden nematode

5.0 Miscellaneous and non-specific diseases
   5.1 Seed piece decay
   5.2 Storage diseases
   5.3 Others

1 Compiled by the Potato Diseases Committee, Potato Association of America, from information supplied by institutions concerned.
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3 Persons wishing reprints of this report may order them from John C. Campbell, 13 Brainerd Drive, Cranbury, N. J., U.S.A. 088512.
II. Research Projects and Research Workers.

The projects are arranged under classification number (see Section I). Code letters identify institution (see Section III).

1.0 Diseases caused by bacteria

1.1 Bacterial ring rot

- Breeding for resistance: Webb, R.E. (B-Md-USA)
- Control and resistance: Nagel, C.M. (B-SD-USA)
- Diagnosis and control: Copeman, R.J. (Va-BC-Can)
- Diagnosis and control: Koepsell, P.A. (C-O-USA)
- Diagnosis and control: Manzer, F.E. (O-M-USA)
- Diagnosis, control and resistance: Genereux, H. (LP-Q-Can)
- Effects of refrigeration, aeration and drying: Miller, T.D. (W-O-USA)
- Pathogenicity and persistence: Nelson, G.A. (L-A-USA)
- Serodiagnosis, epidemiology and etiology: Livingston, C.H. (FC-C-USA)
- Toxin production: Strobel, G. (B-Md-USA)

1.2 Blackleg

- Chemical control: Weingartner, D.P. (B-F-USA)
- In relation to Fusarium seed piece decay: Nielson, L.W. (R-NC-USA)
- Seed source survey: Kunkel, R. (Pu-W-USA)
- Survival and control: Harrison, M.D. (FC-C-USA)
- Survival and strains: Kelman, A. (M-W-USA)

1.3 Others

- Bacterial soft rot of tubers: Livingston, C.H. (FC-C-USA)
- Breeding for resistance: Peloquin, S.J. (M-W-USA)
- Ps. solanacearum: Row, P.R. (Sequeria, L.)
- Endophytic flora: Copeman, R.J. (Va-BC-Can)
- Influence of storage and shipping environment: Easton, G.D. (Pr-W-USA)
- Roles of enzymes in pathogenesis of bacterial soft rot: Mount, M.S. (A-M-USA)
- Banfield, W.M. (Rhode, R.A.)
- Roles of enzymes in pathogenesis of bacterial soft rot: Huguelet, J.E. (F-ND-USA)
- Role of enzymes in Ps. fluorescens infection: McIntyre, G.A. (O-M-USA)
- Role of enzymes in virulence of E. carotovora: Beraha, L. (C-I-USA)
- Synergism between Ps. solanacearum and other organisms: Feldmesser, J.F. (B-Md-USA)
- Goth, R.W. (B-Md-USA)