



Contribuição ao levantamento fitossanitário do Estado do Paraná^φ

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ABSTRACT

A previous report of plants diseases, observed at the Division of Plant Biology of the Instituto de Biologia e Pesquisas Tecnológicas – Paraná – Brasil, during the years 1946-1950.

Key Words: Plant diseases; State of Paraná; Phytosanitary survey

INTRODUÇÃO

Buscando realizar um dos seus principais objetivos, que diz respeito ao Levantamento Fitossanitário do Estado do Paraná, a Divisão de Biologia Vegetal do Instituto de Biologia e Pesquisas Tecnológicas, vem buscando de maneira sistemática, catalogar e estudar as doenças e pragas que ocorrem em plantas de importância econômica no aludido Estado, cultivadas ou naturalmente existentes.

Tendo iniciado este trabalho, no princípio de 1946, apresenta-o agora, como resultante de quatro anos de observação, consubstanciando na presente contribuição.

Allium cepa

Puccinia allii (D. C.) Rud. – Morretes – Rio do Pinto – 1/10/46

- Curitiba – Bacacheri – 2/10/46

Macrosporium parasiticum Thum. – Curitiba – Bacacheri – 3/10/47

- Idem, 22/4/50

- Idem, 7/8/46

Nematóides – Curitiba – Bacacheri – 7/8/46

Allium sativum

Puccinia allii (D. C.) Rud. – Morretes – Rio do Pinto – 1/10/46

Araucária angustifolia

Nematóides associados com *Fusarium* sp. – Ponta Grossa – Vila Velha – 23/12/46

Schizophyllum alneum L. Schr. – Timoneira – A. Prado – 27/2/50

Aleurites fordii

Rosellinia sp. – Cornélio Procópio – 9/12/47

Avena sativa

Ustilago avenae (Pers.) Jen. – Curitiba – Bacacheri – 7/10/47

Puccinia coronata avenae (Corda) Erks. e Henn. – Curitiba – Bacacheri – 10/12/47

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Bambusa sp.

Schizophyllum alneum (L.) Schroet.–
Timoneira – A. Prado – 18/9/49

Begônia sp.

Oidium begoniae Put.– Curitiba – 13/11/49
Cercospora sp. – Curitiba – Pilarzinho –
28/5/50

Beta vulgaris

Cercospora beticola Sacc. – Curitiba –
Portão – 25/11/49

Brassica napus

Oidium sp.– Curitiba – Bacacheri – 25/9/49

Brassica oleraceae, var. acephala

Peronospora parasítica (pers.) De Bary –
Curitiba – Bacacheri – 9/11/46

Alternaria brassicae (Berk.) Sacc. –
Curitiba – Bacacheri – 9/12/46

- Ponta Grossa – Vila Velha – 22/4/48

Plasmodiophora brassicae Wor. –
Curitiba – Bacacheri – 9/12/49

Ascia monuste monuste (L.) – Curitiba –
Bacacheri – 8/3/50

Brevicoryne brassicae (L.) – Curitiba –
Bacacheri – 8/3/50

Brassica oleraceae, var. capitata

Plasmodiophora brassicae Wor. – Curitiba
– Bacacheri – 21/1/49

Alternaria brassicae (Berk.) Sacc. –
Curitiba – Bacacheri – 2/2/49

Ascia monuste (L.) – Curitiba – Bacacheri
– 8/3/50

Brassica oleraceae, var. botrytis

Alternaria brassicae (Berk.) Sacc. –
Curitiba – Bacacheri – 30/10/49

Capsicum sp.

Puccinia paulensis Rangel – Curitiba –
Portão – 9/12/49

Fusarium sp. – Curitiba – Portão – 9/12/49

Colletotrichum nigrum Ell. e Halst. –
Curitiba – Portão – 4/4/50

Capsicum frutescens

Colletotrichum nigrum Ell. e Halst. –
Curitiba – Santa Cândida – 14/4/50

Carica papaya

Asperisporium caricae (Speg.) Maubl. –
Morretes – Rio do Pinto – 9/1/49

Oidium caricae Noack – Curitiba – Juvevê
– 28/4/50

Colletotrichum papayae P. Henn. –
Morretes – 25/6/50

Rhizopus nigricans Her. – Morretes –
25/6/50

Cynara scolymus

Capnodium sp. – Curitiba – Batel – 10/2/50

Cedrella sp. (Podridões da madeira)

Penicillium sp. – Curitiba – Portão –
17/3/48

Rhizopus sp. – Curitiba – Portão – 17/3/48

Cladosporium sp. – Curitiba – Portão –
29/4/48

Crysanthemum leucanthemum

Septoria leucanthemi Sacc. Speg. – Curitiba
– Portão – 15/2/50

Cichorium sp.

Cercopora longuíssima (Trav.) Sacc. –
Curitiba – Portão – 2/12/49

Oidium sp. – Curitiba – Portão – 10/2/50

Citrus sp.

Septobasidium pseudopedicellatum Burt. –
Cero Azul – 24/2/46

- Morretes – 10/8/46

Elsinoe australis (Bit. E Jenk.) – Tibagi –
24/3/50

Colletotrichum gloeosporioides Penz. –
Curitiba – 15/6/42

Penicillium digitatum Sacc. – Curitiba –
28/8/46

Capnodium citri (Berk.) Desm. – Cerro
Azul – 24/2/48

Phytophthora sp. – Cerro Azul – 24/4/49

Fusarium sp. – Cerro Azul – 26/4/49

Podonectria coccicola (E. e E.) Petch. –
Curitiba – Juvevê – 6/5/50

Sphaerostilbe sp. – Curitiba – Juvevê –
6/5/50

Diaporthe (Phomopsis) citri (Faw.) Wolf. –
Jacarezinho – 12/6/47

- Lepidosaphis citriola* Pacard – Londrina – 15/5/48
Pinnaspis sp. – Londrina – 15/5/48
Anastrepha sp. – Cerro Azul – 26/4/49
Ceratitis capitata (Wied.) – Curitiba – Bacacheri – 27/4/49
- Coffea arabica*
Capnodium brasiliensis Put. – Londrina – 15/5/48
 - Cerro Azul – 24/2/48
Hypothenemus hampei Ferr. – Jacarezinho – 10/2/43
 - Cambará – 22/2/43
 - Marques de Abrantes – 21/5/48
Coccus viridis Green. – Londrina – 15/2/48
 - Caviúna – 22/2/50
Leucoptera coffeella (Guerin-Meneville) – Jacarezinho – 24/3/49
 - Caviúna – 22/2/50
 - Morretes – 14/3/40
- Cucúrbita maxima*
Oidium erysiphoides Fr. – Curitiba – Bacacheri – 27/2/50
- Cydonia vulgaris*
Entomosporium maculatum Lev. – Curitiba – 10/10/47
 - Imbuial - Campinas – 26/1/48
 - Timoneira – A. Prado – 25/1/50
 - Tibagi – 24/3/50
Pestalozzia sp. – Timoneira - A. Prado – 28/4/50
- Dahlia variabilis*
Entyloma dahliae Sydow – Curitiba – Portão – 16/4/48
Botrytis cinerea Sydow – Curitiba – Portão – 16/4/48
Oidium erysiphoides Fr. – Curitiba – Portão – 23/5/48
 - Curitiba – Juvevê – 10/6/50
- Delfinium* sp.
Erysiphe polygoni D. C. – Curitiba – Portão – 20/11/49
- Dianthus cariophyllus*
Alternaria dianthi Stev. Hall. – Curitiba – Pilarzinho – 28/5/50
Septoria dianthi Desm. – Curitiba – Pilarzinho – 28/5/50
- Eryobothria japonica*
Entomosporium maculatum Lev. – Curitiba – Bacacheri – 25/11/48
 - Curitiba – Barreirinha – 30/2/49
 - Tibagi – 24/3/50
- Eucalyptus* sp.
 Cancro do colo do eucalipto – Curitiba – Bacacheri – 13/5/50
- Ficus carica*
Physopella fici (Cast.) Arthur – Curitiba – Bacacheri – 10/2/50
 - Timoneira – A. Prado – 24/2/50
Botrytis cinérea Pers. – Curitiba – 15/2/50
Capnodium sp. – timoneira – A. Prado – 24/3/50
- Hordeum sativum*
Ustilago hordei (Pers.) Langer – Curitiba – Bacacheri – 2/10/47
- Illex paraguayensis*
Asterina mate Speg. – Campo Largo – 23/3/50
 - São Mateus do Sul – 13/4/50
Mycoidea parasítica Cummingh. – Campo Largo – 22/3/50
Hylesia fulviventris – São Mateus do Sul – 23/12/49
 Cochonilhas – Campo Largo – 22/3/50
- Ipomoea batatas*
Rhizopus nigricans Ehr. – Timoneira - A. Prado – 6/8/49
- Jasminum adorantissimum*
Capnodium sp. – Curitiba – Juvevê – 10/4/50
- Linum usitatissimum*
Septoria linicola (Speg.)Garras – Piraquara – Laranjeiras – 25/8/49
 - São José dosPinhais – 7/11/49
 - Curitiba – Bacacheri – 9/12/49
Melampsora lini (Pers.) Lév. – São José dos Pinhais – 7/11/49
Fusarium lini Bol. – São José dos Pinhais – 7/11/49
Cuscuta epilinum Weihe – São José dos Pinhais – 7/11/49

- Magnólia grandiflora*
Mycoidea parasítica Cumm. – Curitiba – Prado – 16/1/46
- Malva* sp.
Puccinia malvacearum Mont. – Timoneira – A. Prado – 3/8/49
- Quadro Barras – 30/8/49
Botrytis cinérea Pers. – Curitiba – Barreirinha – 15/9/49
- Mangifera indica*
Colletotrichum gloeosporioides Penz. – Ribeirão Claro – 24/11/49
- Manihot palmata*
Rhizopus nigricans Ehr. – Timoneira - A. Prado – 6/8/49
- Manihot utilissima*
Periconia sp. (?) – Morretes – Rio do Pinto – 30/12/47
- Timoneira – A. Prado – 7/5/50
Rosellinia sp. – Guarapuava – 5/2/48
Diplodia sp. – Guarapuava – 5/2/48
Oidium manihotis (Averna ?) – Curitiba – Bacacheri – 14/5/50
- Mentha* sp.
Puccinia menthae Pers. – Curitiba – Juvevê – 28/11/49
- Mimosa bracinga*
Nematóides sp. (nódulos nas raízes) – Timoneira - A. Prado – 5/10/48
Galhas produzidas por insetos em ramos – Araucária – 14/1/50
Podridão da madeira:
Polyporus cinnabarinus – Timoneira - A. Prado – 2/11/47
Auricularia rosea Burt. – Timoneira - A. Prado – 2/11/47
Lenzites sp. – Timoneira - A. Prado – 2/11/47
Polystictus pincitus Fries. – Timoneira - A. Prado – 25/10/47
Stibella sp. – Timoneira - A. Prado – 25/10/47
Amauroderma sp. – Timoneira - A. Prado – 25/10/47
Cladoderris dendritica Person. – Timoneira - A. Prado – 25/10/47
- Irpiciporus* sp. – Timoneira - A. Prado – 5/1/46
- Morus* sp.
Kuehneola loeseneriana (P. Henn.) Jack. e Holway – Curitiba – Bacacheri – 10/5/47
- Rio Branco do Sul – 16/2/48
- Timoneira – A. Prado – 20/1/48
- Musa* sp.
Gloeosporium musarum Cke-Massee – Morretes – 29/2/50
Polyporus sapurema Moller – Antonina – 18/1/50
Cosmopolites sordidus Germ. – Morretes – 2/3/49
Rhizopus nigricans Ehr. – Morretes – 24/4/50
- Myrcia jaboticaba*
Puccinia rochae Putt. – Cerro Azul – 26/4/49
- Oxalis* sp.
Puccinia oxalidis (Lev.) Dietel e Ellis – Curitiba – Bacacheri – 10/12/49
- Curitiba – Bacacheri – 25/4/50
- Paspalum* sp.
Fusarium graminearum Schw. – Curitiba – Bacacheri – 9/2/50
Helminthosporium sp. – Curitiba – Bacacheri – 9/3/50
- Phaseolus vulgaris*
Uromyces appendiculatus (Pers.) De bary – Curitiba – 5/1/50
- Imbuial – 26/1/48
- Ponta Grossa – Vila Velha – 2/11/49
Cercospora columnaris Ellis e Everhart. – Morretes – Rio do Pinto – 8/12/47
- Cerro Azul – 24/2/48
Alternaria sp. – Ponta Grossa – Vila velha – 30/11/49
Fusarium sp. – Ponta Grossa – Vila velha – 30/11/49
Oidium erysiphoides Fr. – Curitiba – 23/12/46
Colletotrichum lindemuthianum (Sacc. & Mag.) Br. & Cav. – Colombo – 15/1/47
- Araucária – 14/1/50
- Imbuial – Campinhos – 17/3/47
- Campo Largo – Mandirituba – 26/12/49

- Ascochyta sp. – Curitiba – Bacacheri – 9/2/48
Nrmatoides – Jacarezinho – 19/5/47
- Petroselinum* sp.
Septoria petroselini Desm. – Curitiba – Portão – 6/11/49
- Polygonum acre*
Cercospora polygonorum Cooke – Curitiba – Bacacheri – 17/5/50
- Pinus insignis*
Fusarium sp. (Damping-off) – Curitiba – Bacacheri – 19/2/49
- Pinus comunis*
Corticium salmonicolor Berk. & Br. – Timoneira – A. Prado – 18/2/49
- Imbuial – Campinhos – 17/3/47
Entomosporium sp. – Curitiba – Bacacheri – 7/3/50
Podridões da Madeira causadas por:
Polystictus pincitus Fries – Timoneira - A. Prado – 18/9/49
Polyporus cinnabarinus – Timoneira - A. Prado – 18/9/49
Schizophyllum alneum L. schr. – Timoneira - A. Prado – 18/9/49
Xilaria sp. – Timoneira - A. Prado – 18/9/49
- Prunus persica*
Taphrina deformans (Fel.) Tul. – Curitiba – 10/1/49
Monilia cinerea Bom. – Rio Branco do Sul – 16/2/48
Tranzschelia punctata (Pers.) Arth. – Ponta Grossa – Vila Velha – 14/4/47
- Curitiba – 20/3/48
Darluca filum (Biv.) Cast. Parasitando
Tranzschelia punctata – Piraquara – Canguiri – 20/3/48
Cladosporium carpophilum Thum. – Curitiba – 14/1/48
Polyporus cellutinus Fries. (Pod. da madeira) – Timoneira – A. Prado – 26/10/48
Scolytus rugulosus Ratz. – rio Negro – 12/2/49
Grapholita molesta (Busck.) – Curitiba – 10/2/46
- Rio Negro – 8/3/48
- Anastrepha fraterculus* Wied. – Curitiba – Bacacheri – 25/5/49
- Prunus domestica*
Tranzschelia punctata (Pers.) Arth. Parasitado por *Darluca filum* Biv. – Curitiba – Portão – 24/5/49
- Curitiba – Alto da Glória – 9/5/50
Monilia cinerea Bom. – Curitiba – 2/3/50
Sphaerostilbe sp. – Curitiba – Alto da Glória – 9/5/50
Phellinum sp. (Podr. da madeira) – Curitiba – Bacacheri – 18/9/49
Myriangium sp. – Curitiba – Alto da Glória – 9/5/50
- Pisum sativum*
Oidium sp. – Curitiba – Bacacheri – 19/10/49
Ascochyta pisi Lib. – Curitiba – Bacacheri – 25/11/46
- Psidium guajava*
Puccinia psidii wint. – Morretes – 27/3/46
- Pirus malus*
Glomerella cingulata (St.) Schr. e v. Sp. – Curitiba – Bacacheri – 10/4/47
- Timoneira – A. Prado – 23/2/46
- Ponta Grossa – 16/1/48
Eriosoma lanigerum Hans – Cambé – 3/5/50
Capnodium sp. – Curitiba – Portão – 22/6/46
Corticium salmonicolor Berk. E Br. – Imbuial – Campinhos – 15/1/45
- Portulaca oleracea*
Albugo portulaceae (D. C.) Kze. – Curitiba – Bacacheri – 17/3/50
- Quercus robur*
Oidium quercinum (Schw.) Cke. – Curitiba – Juvevê – 6/2/50
- Raphanus sativum* var. *radicula*
Cystopus candidus (Pers.) Lev. – Curitiba – Bacacheri – 28/4/47
- Rhododendrum indicum*
Exobasidium azaleae Peck. – Curitiba – 19/10/48

Ricinus communis

Cercospora ricinella Sacc. Berk. – Curitiba
– Bacacheri – 10/2/48

Rosa sp.

Fusarium sp. – Curitiba – 1/7/44
Phragmidium subcorticium (Schr.) Wint. –
Curitiba – Portão – 9/11/46
– Curitiba – Alto da Glória 8/12/46
– São Mateus do Sul – 5/12/49
Oidium leucoconium Dêsm. – Timoneira –
A. Prado – 25/10/47
– São Mateus do Sul – 5/12/49
Cicinnobulus cesatii De Bary, parasitado
Oidium leucoconium Desm. – Curitiba –
24/11/46
Diplocarpon rosae Wolf. – Curitiba –
Portão – 12/10/47
– São Mateus do Sul – 5/12/49
– Timoneira – A. Prado – 2/12/49
Botrytis cinerea Pers. – Timoneira – A.
Prado – 6/4/46
– Curitiba- Portão – 10/4/46

Rumex sp.

Ovularia obliqua (Cke.) And. – Curitiba –
Bacacheri – 2/1/48

Saccharum officinarum

Capnodium sp. – Paranaguá – 17/5/43
Leptosphaeria sacchari V. Breda – Morretes
– Rio do Pinto – 10/4/48
Tomaspis liturata (Pelletier & Serville) –
Porecatú – 31/1/49

Salix viminalis

Cercospora salicina Ellis e Everhart. –
Timoneira – A. Prado – 16/3/50
– Curitiba – Bacacheri – 18/5/50

Secale cereale

Helminthosporium sp. – Curitiba –
Bacacheri – 2/10/47
Puccinia rubigo-vera secali (Eriks. e Carl.)
– Curitiba – Bacacheri- 3/11/49

Secchium edule

Rhizopus nigricans Ehr. – Curitiba –
Bacacheri – 30/3/50

Senecio brasiliensis

Puccinia sp. – Timoneira – A. Prado –
26/10/47

Sinapis alba

Plasmiodiophora brassicae Wor. – Curitiba
– Bacacheri – 21/6/49
Albugo candida (Pers.) De Bary – Curitiba
– Bacacheri – 11/10/49

Solanum lycopersicum

Heterodera marioni Greff. – Curitiba –
Guabirota – 4/4/50
Phytophthora infestans Mont. De Bary –
Morretes – Rio do Pinto – 24/7/47
– Curitiba – Guabirota – 4/4/50
– Morretes – Cary – 24/7/47
– Paranaguá – 28/9/49
– Ponta Grossa – Vila Velha – 14/4/48
– Timoneira – A. Prado – 6/4/48
Septoria lycopersici Speg. – Curitiba –
Bacacheri – 5/12/46
– Curitiba – Guabirota – 4/4/50
– Ponta Grossa – Vila Velha – 14/4/48
Protoparce sexta Johanssen. – Curitiba –
22/2/49
Heterodera marioni Greff. – Curitiba –
Guabirota – 3/4/50

Solanum tuberosum

Verticillium albo-atrum R. & B. – araucária
– Rio Verde de Cima – 22/6/50
Phytophthora infestans (Mont.) De bary –
Timoneira – A. Prado – 25/4/46
– Jacarezinho – 5/5/47
– Imbuial – 2/3/47
– Araucária – 2/4/47
– Curitiba – Bacacheri – 10/1/46
Spondylocladium atrovirens Hart. –
Curitiba – 17/2/49
Actinomyces scabies (Taxt.) Guss. –
Araucária – Botiatuba – 7/2/49
– Araucária – Campina das Pedras –
10/2/49
Fusarium sp. – Araucária – Campina das
Pedras – 10/2/49
– Araucária - Guajuvira – 10/2/47
– Siqueira Campos – 14/5/47
– Timoneira – A. Prado – 20/8/49
Rhizoctonia solani Kuhn – Araucária –
Palmital – 10/12/48
– Curitiba – 16/1/49
Verticillium sp. – Siqueira Campos –
14/5/47
Stysanus stemonites (Pers.) Corda –
Araucária – Guajuvira de Cima – 10/2/49
Phytomonas sp. – Irati – 10/9/48

- Erwinia phytophthora* (Appel) Bergey et al. – Araucária – 15/2/50
Phytophthora solanacearum (E. F. Smith.) Bergey et al. – Araucária – 15/2/50
Pseudococcus sp. – Curitiba – Atuba – 15/1/50
Diabotrica sp. – Curitiba – Bacacheri – 15/2/50
 Coração oco (fisiológica) – Rio Baixinho – 26/1/49
 Mancha ferruginosa interna (fisiológica) – araucária – 15/1/50
Epicauta atomaria (Germ. 1821) – Curitiba – 15/2/50
Gnorimoschela operculella (Zeller) – araucária – 15/2/50
- Tecoma ipê*
Uncinula peruviana Sydow – Curitiba – 15/6/49
Verticillium sp. – Curitiba – 15/6/49
Prospodium tecomicola (Speg.) Jack. e Holw. – Curitiba – Bacacheri – 2/5/50
Capnodium sp. – Curitiba – Bacacheri – 2/5/50
- Triticum sativum*
Puccinia graminis var. *tritici* Erikss & Henn. – Cambará – 30/4/47
Ustilago tritici (Pers.) Rost. – Cambará – 22/8/47
 - São José dos Pinhais – 11/11/47
 - Curitiba – Bacacheri – 2/10/47
Fusarium sp. – São José dos Pinhais – 11/11/47
Cladosporium sp. – São José dos Pinhais – 11/11/47
Epicoccum sp. – São José dos Pinhais – 11/11/47
- Vicia faba*
Uromyces fabae (Pers.) De Bary – Curitiba – Portão – 2/10/49
- Viola odorata*
Cercospora violae Sacc. – Curitiba – Juvevê – 11/10/48
- Vitis vinifera*
Cercospora vitis (Lev.) Sacc. – Curitiba – 24/11/46
Sphacelloma ampelinum De Bary – Curitiba – 24/11/46
- Plasmopora viticola* (B. & C.) Berl. – Curitiba – 22/11/46
 - Timoneira – A. Prado – 18/2/46
Melanconium fuligineum (Scrib. & Viala) Cav. – Curitiba – Portão – 30/12/46
 - Timoneira – A. Prado – 3/3/50
Phylloxera vitifoliae (Fitch.) – Curitiba – 4/2/46
- Zea mays*
Puccinia maydis Bor. – Curitiba – Bacacheri – 3/4/48
Puccinia maydis Bor., parasitada por *Darluca filum* Biv. – Timoneira – A. Prado – 12/12/49
 - Curitiba – Bacacheri – 5/5/50
Ustilago zaeae (Berk.) Unger – Timoneira – A. Prado – 12/12/49
Cercospora zaeae-maydis (Tejox. & Daniels) – Curitiba – Bacacheri – 10/4/50
- Fungos causadores de podridão da Madeira, sobre diversos espécimes não determinados:
- Polyporus gilvus* (Schw.) Fries – Curitiba – Barreirinha – 21/11/47
Polystictus pincitus Fries – Timoneira – A. Prado – 2/11/47
Polyporus sp. – Timoneira – A. Prado – 26/10/47
Lenzites sp. – Timoneira – A. Prado – 2/11/47
Lentinus villosus Klotzch. – Timoneira – A. Prado – 26/10/47
Stereum umbrinum Berk. E Curtis – Timoneira – A. Prado – 26/10/47
Hymenochaete berkeleyana (Mont.) Cooke – Timoneira – A. Prado – 26/10/47
Amauroderma sp. – Timoneira – A. Prado – 2/11/47
Trametes hydnoides (Swartz.) Fries – Curitiba – Portão – 5/1/48
Favolus brasiliensis Fries – Curitiba – 6/2/48