

Table of Contents

Title of Experiment	Pages
Potato	
Evaluation of fungicides to control early blight and late blight of potato - Hancock – Russet Burbank.....	1-16
Evaluation of fungicides to control early blight of potato - Hancock – Goldrush.....	17-18
Evaluation of potato cultivars and breeding selections to identify resistance to early blight and late blight	19-28
Evaluation of potato cultivars and breeding selections to identify resistance in tubers to early blight, late blight and pink rot, 2000	29-32
Evaluation of the effect of potato seedpiece treatment on emergence, disease control and yield – Hancock, Russet Burbank.....	33-36
Evaluation of the effect of potato seedpiece treatment and plant spacing on emergence, disease control and yield – Hancock, Snowden.....	37-42
Evaluation of the effect of Auxigro (seedpiece and foliar application) on Rhizoctonia stem canker, silver scurf and black scurf (in storage), and on yield and quality	43-46
Evaluation of potato cultivars and breeding selections to identify resistance to common scab – Antigo	47-48
Evaluation of the efficacy of seedpiece or in-furrow fungicide treatment for potato disease control – Spooner	49-50
Bean	
Evaluation of chemical control of white mold on snap bean - Hancock, 2001	51-54
Integration of biological and chemical controls for improved white mold management - snap and dry beans, 2001	55-58
Beet	
Evaluation of fungicides to control Cercospora leaf spot on table beet - Hancock, 2001	59-60
Carrot	
Evaluation of fungicides to control carrot foliar blights – Hancock, 2001	61-62
Evaluation of carrot cultivars and breeding selections to identify resistance to foliar blights – Hancock, 2001.....	63-70
Evaluation of carrot cultivars and breeding selections to identify resistance to foliar blights – Lewiston, 2001.....	71-78
Onion	
Evaluation of registered fungicides for management of onion pathogens	79-80
Peas	
Evaluation of the effect of chemical treatment on the development of pod lesions on sugar snap pea, 2001	81-82
Evaluation of resistance or tolerance of sugar snap pea varieties and breeding lines to pod lesions, 2001	83-84
Pumpkin	
Evaluation of control of powdery mildew on pumpkin with fungicides - Hancock, 2001	85-86
Tomato	
Evaluation of fungicides to control foliar diseases on tomato – Hancock, 2001.....	87-90
Mint	
Evaluation of the efficacy of Quadris fungicide to control white mold/stolon decay on peppermint, 2000-2001.....	91-92
Evaluation of the efficacy of selected fungicides to control rust and powdery mildew on peppermint 2001	93-94
Evaluation of the efficacy of selected fungicides to control rust and powdery mildew on spearmint, 2001	95-96
Meteorological Data	
Appendix I - Antigo.....	97-98

Acknowledgments

We thank Tom Anfang, Mike Bertram, Sarah Bowman, Jim Bradeen, Nick Breitbach, Jeff Breuer, Glenn Carlson, Heidi Chaudoir, Jack, John and Ned Crescio, Russell Doane, Tanya Ebbert, John Floss, Irwin Goldman, Nate Good, Horia Groza, Richard and Roderick Gumz, Geri Haberlach, Thelma Heidel, John Helgeson, Gary Humphrey, Florence Johnson, Rob Kane, Steve Keil, Doug Klabunde, T. J. Klahn, Chuck Kostichka, Paul Miller, Kristine Naess, Mike Novak, Paul Phillippi, Cheryl Pionke, Tom Rabaey, Peter Rogers, Elmer Rose, Noah Rosenzweig, Stephanie Rust, John Selenski, B. J. Sentkowski, Gary Staffeldt, Roger Stratton, Susan Weilgus, Ken Williams and Ron Wolosek for their support and assistance. We also thank all the plant breeders and seed companies who provided material for us to evaluate in our variety trials (sources listed with trials) and the Wisconsin Seed Potato Certification Program.

The financial support of AgraQuest, Agtrol International, Aventis CropScience, BASF Corporation, Bayer CropScience, Cerexagri Inc., Dow AgroSciences (Rohm & Haas), E. I. Du Pont de Nemours & Co., Emerald Biotech (Auxein), Encore Technologies, LLC Gowan Co., Griffin Corporation, Gustafson Inc., IR-4, ISK Biosciences Corp, Midwest Food Processors Association, Sipcam Agro, Snake River Chemical, Inc., Soil Organics Consulting Service, Syngenta Crop Protection, Tomen Agro, United Agri Products, Uniroyal Chemical, USDA, UW-Madison College of Agricultural and Life Sciences, Wisconsin Potato Industry Board, and Wisconsin Potato and Vegetable Growers Association

