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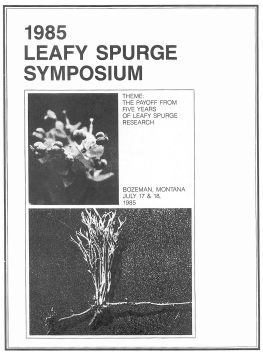

1985 Leafy Spurge Symposium Proceedings

Presentations

I. Scientific and research presentations

A. David G. Davis, USDA-ARS, MRRL, Fargo, ND. "The Status of Accession Numbering System and Procedures for Successful Regeneration of Leafy Spurge."

B. James H. Westwood and David D. Biesboer, Dept. of Botany, University of Minnesota, St. Paul, MN. "The Influence of Glyphosate on Endogenous Levels of Free IAA and Phenolic Compounds in Leafy Spurge."

C. Scott Nissen and Michael E. Foley, Dept. of Plant and Soil Science, Montana State University, Bozeman, MT. "The Physiology of Leafy Spurge Root Bud Dormancy."

D. Steve Harvey, Dept. of Entomology, Montana State University, Bozeman, MT. "Leafy Spurge Growth Response Following Cold Treatment to Break Fall Dormancy and Latex and Leaf Shape Variability in Leafy Spurge." (No report submitted)

E. Paul Mahlberg, Dept. of Biology, Indiana University, Bloomington, IN. "Starch Composition of *Euphorbia* latex."

F. J. R. Schaeffer and Shirley Gerhardt, Dept. of Plant and Soil Science, Montana State University, Bozeman, MT. "Cytogenetics of Leafy Spurge."

G. Norman E. Rees, USDA-ARS, Bozeman, MT. "Release of *Oberea erythrocephala* in Montana."

H. Bob Carlson, Dept. of Entomology, North Dakota State University, Fargo, ND. "Status of Biological Control in North Dakota." (No report submitted)

I. Robert Nowierski, William Bruckart, and G. Defago, Dept. of Entomology, Montana State University, Bozeman, MT. "Status of Research on European Plant Pathogens of Leafy Spurge."

J. James G. Hoch, L. J. Littlefield, R. M. Hosford, Jr., and Glen D. Statler, Dept. of Plant Pathology, North Dakota State University, Fargo, ND. "Continued Studies of Plant Pathogenic Fungi for Biocontrol of Leafy Spurge in North Dakota."

K. S. F. Forsyth and Peter Harris, Agriculture Canada, Regina Saskatchewan, Canada. "Biological Control of Leafy Spurge: Stress Factors, Selection and Evaluation of Natural Enemies."

L. Robert W. Pemberton and Gerald Johnson, USDA-ARS, Biological Control of Weeds Laboratory, Albany, CA. "Two New Insects (*Dasineura capitigena* and *Aphthona flava*) for Leafy Spurge Control in the United States."

M. Robert M. Nowierski, Dept. of Entomology, Montana State University, Bozeman, MT. "Status of the Spurge Hawkmoth – Potential for Redistribution in 1985."

N. Gary L. Cunningham, APHIS-PPQ, Hyattsville, MD. "Implementary Biological Control - How the Animal and Plant Health Inspection Service May Help."

O. Jim Torell and John O. Evans, Utah State University. "Bio-Chemical Studies of the *Euphorbia esula* Complex."

P. Mark A. Ferrell, H. P. Alley, and R. E. Vore, University of Wyoming, Laramie, WY. "Evaluation of Spring vs. Fall Original/Retreatment Combinations as Affecting Leafy Spurge Live Shoot Regrowth."

Q. Heneidi Ganal, Mark A. Ferrell, and S. D. Miller, University of Wyoming, Laramie, WY. "Evaluation of 2,4-D LVE as a Setup Treatment for Low Rates of Picloram (Tordon 22K) for Leafy Spurge Control."

R. Tom D. Whitson, University of Wyoming, Laramie, WY. "Comparative Treatments of Fluroxypyr, Dicamba, and Picloram for Leafy Spurge Control."

II. Theme presentations: "The payoff from 5 years of leafy spurge research."

A. James Welsh, Director of the Montana Agricultural Experiment Station, Bozeman, MT. Keynote Address - "The Payoff from 5 Years of Leafy Spurge Research."

B. Celestine Lacey, Charles Egan, W. Pearson, and P. K. Fay, Dept. of Plant and Soil Science, Montana State University, Bozeman, MT. "Bounty Programs - An Effective Weed Education Tool."

C. Wayne Pearson, Weed Supervisor, Columbus, MT. "The Spurge Program in Stillwater County, MT."

D. Doug Johnson, Weed Supervisor, Great Falls, MT. "Controlling Spurge Using All-Terrain Vehicles."

E. Mary B. McKone, Dow Chemical Co., Billings, MT. "Management Guidelines - Rangeland Weeds."

F. Harold Alley, Prof. Emeritus, University of Wyoming, Laramie. "Controlling Spurge with Tordon."

G. Rodney G. Lym and Calvin G. Messersmith, Dept. of Agronomy, North Dakota State University, Fargo, ND. "Economical Control of Leafy Spurge."

H. Michael E. Foley, Dept. of Plant and Soil Science, Montana State University, Bozeman, MT. "Is There a Payoff for Basic Research on Leafy Spurge?"

I. Robert Nowierski, Dept. of Entomology, Montana State University, Bozeman, MT. "Prospects for Biological Control of Leafy Spurge."

J. Dean Peterson, Rancher, Judith Gap, MT. “A Practical and Profitable Way of Controlling Leafy Spurge.”

III. Research group discussion

A. Chemical Control Group, Summary by Tom Whitson

B. Plant Physiology Group, Summary by Dr. M. E. Foley

C. Biological and Taxonomy Group (No summary provided)

IV. Research summaries for 1985

A. Wyoming - (Blue paper)

B. North Dakota - (Yellow paper)