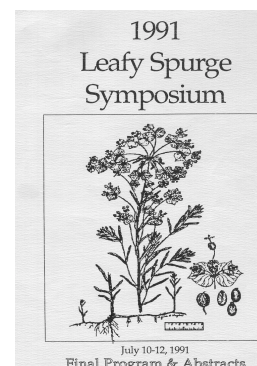


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Great Plains Agricultural Council - 14 Crops and Soils Committee

Leafy Spurge Task Force Meeting and Symposium 10-12 July 1991

Radisson Metrodome Hotel, Minneapolis, Minnesota

Program

Wednesday, 10 July

7-00 - 10:00 pm All Symposium Reception and Registration. Pre-Function Area.

Thursday, 11 July

Plenary session Ballroom A

9:00 - 9:15 am	Welcome and Introductory Remarks - Dave Biesboer, University of Minnesota.
9:15 - 9:45 am	Leafy spurge, a problem on Minnesota roadsides. - Leo Holm, Minnesota Department of Transportation, St. Paul, Minnesota.
9:45 - 10:15 am	Aspects of the biology of leafy spurge. - Dave Biesboer, Department of Plant Biology, University of Minnesota, St. Paul, Minnesota.
10:15 - 10:30 am	Coffee Break
10:30 - 11:00 am	Chemical control of leafy spurge. - Rod Lym, Department of Crop and Weed Sciences, North Dakota State University, Fargo, North Dakota.
11:00 - 11:30 am	The biological control of leafy spurge: past, present, and future. - Neal Spencer, USDA/ARS, Biological Control of Weeds Research Unit, Sidney, Montana.
11:30 - 12:00 am	The future of Perennial weed control. - Don Wyse, Department of Agronomy and Plant Genetics, University of Minnesota, St. Paul, Minnesota.
12:00 - 1:00 pm	All Symposium Luncheon. Ballroom B

Paper session - biological control and related topics Ballroom A

1:20 - 1:40 pm	Laboratory colonies of <i>Aphthona flava</i> and <i>Oberia erythrocephala</i> fed on cell culture-based artificial diets. - Hogan*, M. E. and G. D. Manners. USDA/ARS, Western Regional Research Center, Albany, California.
1:40 - 2:00 pm	Leafy spurge propagation and herbicide-insect interaction for leafy spurge control. – Mihelich*, C. A. and Rod Lym. Crop and Weed Sciences Department, North Dakota State University, Fargo, North Dakota.
2:00 - 2:20 pm	Quarantine pass through activities and procedures for biological control agents of leafy spurge. – Parker*, Paul E., E. J. Salinas, and J. D. Vasquez. USDA/APHIS-PPQ, Mission Biological Control Laboratory, Mission, Texas.
2:20 - 2:40 pm	USDA, APHIS biological control of leafy spurge redistribution activity 1990. - Richard R. D., L. E. Wendel*, and R. W. Hansen. Bozeman Biological Control Facility, Bozeman, Montana.
2:40 - 3:00 pm	Poster and Coffee Break - Evaluating potential pathogens for biological control of leafy spurge. – Yang*, S. M., DR. Johnson, and W. M. Dowler. USDA-ARS Foreign Disease-Weed Science Research, Fort Detrick, Frederick, Maryland.

Paper session - biology, chemistry, & economics Ballroom A

3:00 - 3:20 pm	Effect of temperature and sucrose concentration on hydroquinone toxicity in leafy spurge suspension culture cells. - Hogan*, M. E. and G. D. Manners. USDA/ARS, Western Regional Research Center, Albany California.
3:20 - 3:40 pm	Chemical composition of leafy spurge on alfalfa at four growth stages. - Kirby, D. R., D. Fox, R. G. Lym*, J. S. Caton, and D. D. Krabbenhoft. Animal and Range Sciences Department and Crop and Weed Sciences Department, North Dakota State University, Fargo, North Dakota.
3:40 - 4:00 pm	Economic impact of leafy spurge infestations on North Dakota grasslands. - Leistritz*, F. Larry, Flint Thompson, and Jay A. Leitch. Department of Agricultural Economics, North Dakota State University, Fargo, North Dakota
4:00 - 4:20 pm	Comparison of restriction fragment length polymorphisms in the chloroplast DNA of five leafy spurge accessions. - Nissen, S. J., D. J. Lee, and R. A. Masters*. Department of Agronomy and USDA-ARS, University of Nebraska, Lincoln, Nebraska.
4:30 - 5:15 p.m.	GPAC-14 Leafy Spurge Task Force Business meeting.
5:15 p.m.	Depart from Radisson Hotel lobby for Mississippi River boat river cruise

12 July, Friday

Paper session – control Ballroom A

7.30 - 8:30 am	All symposium breakfast Ballroom B.
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8:40 - 9:00 am	First year results of leafy spurge control with sequential spring and fall herbicide applications. - Beck*, K. G., and J. R. Sebastian. Department of Plant Pathology and Weed Science, Colorado State University, Fort Collins, Colorado.
9:00 - 9:20 am	Leafy spurge control in North Dakota. - 1991 - Christianson*, K.M., R. G. Lym, and C. G. Messersmith. Crop and Weed Sciences Department, North Dakota State University, Fargo, North Dakota.
9:20 - 9:40 am	Control and leafy spurge with retreatments of Picloram and 2,4-D LVE. - Ferrell, M. A. and T. D. Whitson. Department of Plant, Soil and Insect Sciences, University of Wyoming; Laramie, Wyoming.
10:00 am	Enhancement of herbicide activity by <i>Alternaria angustiovoidea</i>. - Jordahl, J. G., L. J. Francel, K. M. Christianson, and R. G. Lym Departments of Plant Pathology and Crop and Weed Sciences, North Dakota State University, Fargo, North Dakota.
10:00 - 10:20 am	Coffee Break
10:20 - 10:40 am	Leafy spurge response to rate and time of application of imidazolinone herbicides. - Masters*, R. A., R. N. Stougaard, and S. J. Nissen. USDA-ARS and Department of Agronomy, University of Nebraska, Lincoln, Nebraska.
10:40-11:00am	Leafy spurge control with imidazolinone and sulfogylurea herbicides. - Stougaard, R. N., R. A. Masters*, and S. J. Nissen. USDA-ARS and Department of Agronomy, University of Nebraska, Lincoln, Nebraska.
	Workshops and field tour
11:15 - 12:15 pm	Control of leafy spurge with herbicides. Panel discussion. Rod Lym, University of North Dakota and Bruce Maxwell, University of Minnesota, will lead a discussion and answer questions about the control and management of spurge in the midwest. If you are a park manager, county weed control officer, or other individual responsible for the control of leafy spurge, this will be an opportunity to get some specific advice about your control problems. Ballroom A.
11:30 - 1:30 pm	Grass identification workshop. This workshop is for people interested in learning about or brushing up on the taxonomy and identification of grasses common to the Minnesota and the middle western states. The workshop is a hands-on introduction to floral structure, diversity, and terminology of the grasses. Dr. Anita Cholewa, Curator of the University of Minnesota herbarium, is the instructor. The classroom is on the St. Paul campus and a bus will leave for that campus shortly after 11:00 a.m. and return you to the Radisson at about 2:00 p.m. Cost. \$7.
11:30 - 3:00 pm	Field tour. A field tour will be made of some of the herbicide control and biological control plots of various researchers of the University of Minnesota and other agencies. Dr. Roger Becker, Agricultural Extension and Weed Scientist at the University of Minnesota will be your guide.
6:00 pm	Bus or private vehicles leave from the Radisson lobby for the Metrodome for the game between the Minnesota Twins and the Boston Red Sox.