

## Literature Cited & Selected References

- Anderson, G.L., N.R. Spencer, C.W. Prosser and R.D. Richard. 1999.** Biological control of leafy spurge: An emerging success story. Published abstract for X International Symposium on Biological Control of Weeds, July 4-14, 1999, Bozeman, MT: 25.
- Belcher, J. W. and S.D. Wilson. 1989.** Leafy spurge and the species composition of a mixed-grass prairie. *J. Range Manage.* 42: 172- 175.
- Best, K. F., G.G. Bowes, A.G. Thomas and M.G. Maw. 1980.** The biology of Canadian weeds: *Euphorbia esula* L. *Can. J. Plant Sci.* 60: 651-663.
- Blockstein, D. E., B.D. Maxwell and P.K. Fay. 1987.** Dispersal of leafy spurge seeds (*Euphorbia esula*) by mourning doves (*Zenaida macroura*). *Weed Sci.* 35: 160-162.
- Bowes, G. G. and A.G. Thomas. 1978.** Longevity of leafy spurge seeds in the soil following various control programs. *J. Range Manage.* 31: 137-140.
- Crompton, C. W., A.E. Stahevitch and W.A. Wojtas. 1990.** Morphometric studies of the *Euphorbia esula* group (Euphorbiaceae) in North America. *Can. J. Bot.* 68: 1978-1988.
- Dunn, P. H. 1985.** Origins of leafy spurge in North America. In A.K. Watson [ed.], Leafy spurge. *Weed Sci. Soc. Am.*, Champaign, IL: 7-13.
- Dunn, P. H. 1979.** The distribution of leafy spurge (*Euphorbia esula*) and other weedy *Euphorbia* spp. in the United States. *Weed Sci.* 27: 509-516.
- Ebke, D. H. and M.K. McCarty. 1983.** A nursery study of leafy spurge (*Euphorbia* spp.) complex from North America. *Weed Sci.* 31: 866-873.
- Evans, J. O., J.M. Torrell, R.V. Valcarce and G.G. Smith. 1991.** Analytical pyrolysis-pattern recognition for the characterisation of leafy spurge (*Euphorbia esula* L.) biotypes. *Ann. Appl. Biol.* 119: 47-58.
- Fornasari, L., N.R. Spencer, and A.D. Prevost. 1992.** An Environmental Assessment of *Aphthona abdominalis*. USDA-ARS Biological Control of Weeds Laboratory - Europe. Biological Control of Weeds Research Unit, Sidney, MT. Unpubl. Report: 36.
- Gagné, R. J. 1990.** Gall midge complex (Diptera: Cecidomyiidae) in bud galls of Palearctic *Euphorbia* (Euphorbiaceae) . *Ann. Entomol. Soc. Am.* 83: 335-345.
- Gassmann, A. 1994.** *Chamaesphecia crassicornis* Bartel 1912 (Lepidoptera; Sesiidae) a suitable agent for the biological control of leafy spurge (*Euphorbia esula* L.) (Euphorbiaceae) in North America. CAB International Institute of Biological Control, European Station, Delemont, Switzerland. Final Report: 22.

**Gassmann, A. 1990.** *Aphthona lacertosa* (Rosh.) (Coleoptera: Chrysomelidae): A candidate for the biological control of leafy spurge and cypress spurge in North America. Intl. Inst. Of Biol. Contr., Delémont, Switzerland. Final report: 30.

**Gassmann, A. 1985.** *Aphthona nigriscutis* Foudras (Coleoptera:Chrysomelidae): A candidate for the biological control of cypress spurge and leafy spurge in North America. Intl. Inst. Of Biol. Contr., Delémont, Switzerland. Final Screening Report: 19.

**Gassmann, A. 1984.** *Aphthona czwalinae* Weise (Coleoptera: Chrysomelidae): A candidate for the biological control of leafy spurge in North America. Intl. Inst. of Biol. Contr., Delémont, Switzerland. Final screening report: 20.

**Gassmann, A. & D. Schroeder. 1995.** The search for effective biological control agents in Europe: history and lessons from leafy spurge (*Euphorbia esula* L.) and cypress spurge (*E. cyparissias* L.). Biological Control 5: 466-477.

**Gassmann, A. & I. Tosevski. 1994.** Biology and host specificity of *Chamaesphecia hungarica* and *C. astatiformis* (Lep.: Sesiidae) two canidates for the biological control of leafy spurge, *Euphorbia esula* (Euphorbiaceae) in North America. Entomophaga 39: 237-245.

**Gassmann, A., I. Tosevski and P. Harris. 1991.** *Chamaesphecia hungarica* (Tomala) (Lepidoptera:Sesiidae): a suitable agent for the biological control of leafy spurge (*Euphorbia esula* L.) (Euphorbiaceae) in North America. CABI International Institute of Biological Control, CIBI European Station, CH-2800, Delemont, Switzerland. Final Report.

**Hansen, R. 1996.** Phenology maps for leafy spurge biological control agents: Development and application in the United States. Abstr. In: Leafy Spurge Symposium August 13-15, 1996. Brandon, Manitoba, Canada: 11.

**Hansen, R. 1995.** Simple techniques for distributing *Aphthona* flea beetles from established field insectary sites. Abstr. In: Leafy Spurge Symposium, July 25-27, 1995 Fargo, ND: 19.

**Hansen, R. 1994.** Phenology of leafy spurge biocontrol agents. Abstr. In: Leafy Spurge Symposium, July 26-29, 1994, Bozeman, MT: 13.

**Hansen, R. 1993.** Multi-state sampling protocals for *Aphthona* flea beetles, leafy spurge biocontrol agents. Abstr. In: Leafy Spurge Symposium, July 26-28, 1993, Silvercreek, CO: 8-9.

**Hansen, R. 1993.** Effects of *Aphthona* flea beetles and sheep grazing in leafy spurge stands. Abstr. In: Leafy Spurge Symposium, July 26-28, 1993, Silvercreek, CO: 47- 48.

**Hansen, R., R.D. Richard, P.E. Parker and L.E. Wendel. 1997.** Distribution of biological control agents of leafy spurge (*Euphorbia esula* L.) in the United States: 1988 - 1996. Biological Control 10: 129-142.

**Harvey, S. J., R.M. Nowierski, P.G. Mahlberg and J.M. Story. 1988.** Taxonomic evaluation of leaf and latex variability of leafy spurge (*Euphorbia* spp.) for Montana and European accessions. Weed Sci. 36: 726-733.

- Hein, D. G. and S.D. Miller.** 1992. Influence of leafy spurge on forage utilization by cattle. *J. Range Manage.* 45: 405-407.
- Holden, A. N. G. and P.G. Mahlberg.** 1992. Application of chemotaxonomy of leafy spurges (*Euphorbia* spp.) in biological control. *Can. J. Bot.* 70: 1529-1536.
- Kronberg, S.L., R.B. Muntifering, E.L. Ayers and C.B. Marlow.** 1993. Cattle avoidance of leafy spurge: a case of conditioned aversion. *J. Range Man.* 46: 364-366.
- Kupchan, S.M., I. Uchida, A.R. Branfman, R.G. Dailey Jr and B.Y. Fei.** 1975. Antileukemic principles isolated from Euphorbiaceae plants. *Science* 191: 571-572.
- Lacey, J.R., R. Wallander and K. Olson-Rutz.** 1992. Recovery, germinability, and viability of leafy spurge (*Euphorbia esula*) seeds ingested by sheep and goats. *Weed Tech.* 6: 599-602.
- Landgraf, B.K., P.K. Fay and K.M. Havstad.** 1984. Utilization of leafy spurge (*Euphorbia esula*) by sheep. *Weed Sci.* 32: 348-352.
- Leistritz, F.L., F. Thompson and J.A. Leitch.** 1992. Economic impact of leafy spurge (*Euphorbia esula*) in North Dakota. *Weed Sci.* 40: 275-280.
- Leitch, J.A., F.L. Leistritz and D.A. Bangsund.** 1994. Economic effect of leafy spurge in the upper Great Plains: methods, models, and results. *North Dakota St. Univ. Agric. Econ. Rep.* 316: 8.
- Lym, R.G. and R.B. Carlson.** 1994. Effect of herbicide treatment on leafy spurge gall midge (*Spurgia esulae*) population. *Weed Tech.* 8: 285-288.
- Lym, R.G. and D.R. Kirby.** 1987. Cattle foraging behavior in leafy spurge (*Euphorbia esula* L.) infested rangeland. *Weed Tech.* 1: 314-318.
- Mahlberg, P.G.** 1989. Chemotaxonomic affinities of Eurasian leafy spurges (*Euphorbia* spp.) in relation to a biological control program. In E.S. Delfosse [ed.], *Proc. VII Intl Symp. Biol. Contr. Weeds*. Rome, Italy, March 6-11, 1988. Inst. Sper. Patol. Veg., Rome, Italy: 145-151.
- Manners, G.D. and D.G. Davis.** 1984. Epicuticular wax constituents of North American and European *Euphorbia esula* biotypes. *Phytochemistry* 23: 1059-1062.
- Maw, E.** 1981. Biology of some *Aphthona* spp. (Col.: Chrysomelidae) feeding on *Euphorbia* spp. (Euphorbiaceae), with special reference to leafy spurge (*Euphorbia* sp. near *esula*). MS Thesis. Univ. of Alberta, Edmonton, AB: 258.
- Messersmith, C.G., R.G. Lym and D.S. Galitz.** 1985. Biology of leafy spurge. In A.K. Watson [ed.], *Leafy spurge*. Weed Sci. Soc. Am., Champaign, IL: 42-56.
- Nowierski, R.M. and S.J. Harvey.** 1987. Vegetation composition at four rangeland sites infested by leafy spurge. *Montana State Univ. MSU Biology Rept.* 40: 21.

- Pecora, P.M., M. Cristofaro, M. Stazi. 1990.** A European clear wing moth, *Chamaesphecia crassicornis* Bartel (Lepidoptera: Sesiidae), a candidate for biological control of leafy spurge (*Euphorbia esula* L.) 'complex' in the United States. In Casida, J.E. (Ed) Proceedings of the Pesticides and Alternatives Symposium, Crete, 1989. Elsevier Science Publishers, Amsterdam: 531-540.
- Pecora, P., R.W. Pemberton, M. Stazi and G.R. Johnson. 1991.** Host specificity of *Spurgia esulae* Gagné (Diptera: Cecidomyiidae), a gall midge introduced into the United States for control of leafy spurge (*Euphorbia esula* L. "complex"). Environ. Entomol. 20: 282-287.
- Pemberton, R.W. 1985.** Native plant considerations in the biological control of leafy spurge. In E.S. Delfosse, ed. Proc. VI Intl. Symp. Biol. Contr. Weeds. Agriculture Canada, Ottawa: 365-390.
- Pemberton, R.W. 1989.** Petition to introduce *Aphthona nigriscutis* Foudras (Chrysomelidae) to the United States for leafy spurge (*Euphorbia esula* L.) Control. USDA-ARS Unpubl. Report: 9.
- Pemberton, R.W. and N.E. Rees. 1990.** Host specificity and establishment of *Aphthona flava* Guilli. (Chrysomelidae), a biological control agent for leafy spurge, (*Euphorbia esula* L.) in the United States. Proc. Entomol. Soc. Wash. 92: 351-357.
- Poritz, N.H. 1988.** Laboratory fecundity and development, field population dynamics, pupal predation and the history of releases of the spurge hawkmoth, *Hyles euphoriae* (L.), a biological control agent of leafy spurge, *Euphorbia esula* L., in Montana. MS Thesis, Montana State Univ. Bozeman, MT: 92.
- Radcliffe-Smith, A. 1985.** Taxonomy of North American leafy spurge. In: A.K. Watson [ed.], Leafy spurge. Weed Sci. Soc. Am., Champaign, IL: 14-25.
- Raju, M.V.S. 1985.** Morphology and anatomy of leafy spurge. In: A.K. Watson [ed.], Leafy spurge. Weed Sci. Soc. Am., Champaign, IL: 26-41.
- Rees, N. E. and N.R. Spencer. 1993.** Biological control of leafy spurge. In: L.F. James, J.O. Evans, M.H. Ralphs & R.D. Child [eds.], Noxious range weeds. Westview Press, Boulder, CO: 182-192.
- Richard, R.D. 1995.** USDA, APHIS field insectary establishment and redistribution of leafy spurge biological control agents. Abstr. In: Leafy Spurge Symposium, July 25-27, Fargo, ND: 31.
- Richard, R.D. 1994.** A USDA plan to assist in field insectary establishment for biological control of leafy spurge. Abstr. In: Leafy Spurge Symposium, July 26-29, 1994, Bozeman, MT: 29.
- Richard, R.D. 1991.** USDA, APHIS's role in biological control of noxious weeds. Abstr. In: Interagency Noxious Weed Symposium Proceedings, December 3-4, 1991, Corvallis, OR: 64.

**Richard, R.D. and N.H. Poritz. 1989.** 1988 redistribution of insects attacking leafy spurge. Abstr. In: International Symposium on Biological Control Implementation, April 4-6, 1989, McAllen, TX.

**Schroeder, D. 1980.** Investigations on *Oberea erythrocephala* (Schrank) (Col.: Cerambycidae), a possible biocontrol agent of leafy spurge, *Euphorbia* spp. (Euphorbiaceae), in Canada. Z. angew. Entomol. 90: 237-254.

**Schroeder, D. 1979.** Investigations on *Oberea erythrocephala* (Schrank.) (Col.:Cerambycidae), a possible biocontrol agent of leafy spurge, *Euphorbia* sp. (Euphorbiaceae) in Canada. Intl. Inst. of Biol. Contr., Delémont, Switzerland. Final report: 25.

**Seip, E.H. and E. Hecker. 1982.** Skin irritant ingenol esters from *Euphorbia esula*. J. Medicinal Plant Res. 46: 215-218.

**Selleck, G.W., R.T. Coupland and C. Frankton. 1962.** Leafy spurge in Saskatchewan. Ecol. Monogr. 32: 1-29.

**Solinas, M. and P. Pecora. 1984.** The midge complex (Diptera: Cecidomyiidae) on *Euphorbia* spp. I. Entomologica 19: 168-213.

**Sommer, G. and E. Maw. 1982.** *Aphthona cyparissiae* (Koch) and *A. flava* Guill. (Coleoptera: Chrysomelidae): two candidates for the biological control of cypress and leafy spurge in North America. Intl. Inst. of Biol. Contr., Delémont, Switzerland. Final report: 42.

**Spencer, N.R. 1996.** Niche specificity of insects introduced for leafy spurge control. Abstr. In: Leafy Spurge Symposium August 13-15, 1996 Brandon, Manitoba, Canada: 7.

**Spencer, N.R. and A.D. Prevost 1992.** An environmental assessment of *Chamaesphecia crassicornis*. USDA/ARS Biological Control of Weeds Research Unit, P. O. Box 1109, Sidney, MT 59270. Unpublished Report: 20.

**Spencer, N.R. and A.D. Prevost. 1992.** An environmental assessment of *Chamaesphecia hungarica*. Biological Control of Weeds Research Unit, Sidney, MT. 59270. Unpublished Report: 19.

**Steenhagen, D.A. and R.L. Zimdahl. 1979.** Allelopathy of leafy spurge (*Euphorbia esula*). Weed Sci. 27: 1-3.

**Stroh, R.K., D. Bangsund and J.A. Leitch. 1990.** Leafy spurge patch expansion. ND State Univ. Dept. of Agric. Econ. Staff Paper Series No. AE90001: 17.

**Tosevski, I., A. Gassmann and D. Schroeder. 1996.** Description of European *Chamaesphecia* spp. (Lepidoptera: Sesiidae) feeding on *Euphorbia* (Euphorbiaceae), and their potential for biological control of leafy spurge (*Euphorbia esula*) in North America. Bulletin of Entomological Research 86: 703-714.

**Upadhyay, R.R., F. Bakhtavar, M. Ghaisarzadeh and J. Tilabi. 1978.** Cocarcinogenic and irritant factors of *Euphorbia esula* L. latex. Tumori 64: 99-102.

**Wallace, N.M., J.A. Leitch and F.L. Leistritz.** 1992. Economic impact of leafy spurge on North Dakota wildland. North Dakota St. Univ. Agric. Exp. Sta. Agric. Econ. Rep. No. 281: 23.

**Wendel, L.E., D.C. Vacek and R. Ruiz.** 1995. DNA characterization of *Aphthona* spp. Abstr. In: Leafy Spurge Symposium, July 25-27, Fargo, ND: 31.

**Ziolkowski, H.W. [n.d.]** USDA-APHIS-PPQ Biological Control of Rangeland Weeds Database 1988 - 1999. Unpublished report on file at the USDA-APHIS Biological Control Station, Bozeman, MT.

**Ziolkowski, H.W. and R.D. Richard.** 1999. A passive insect sorting device for separating *Aphthona* species biological control agents of leafy spurge from larger insects, seeds, and plant debris associated with crude insect sweep net collection. Published abstract for X International Symposium on Biological Control of Weeds, July 4-14, 1999, Bozeman, MT: 149.

**Ziolkowski, H.W., R.D. Richard and R.W. Hansen.** 1994. USDA-APHIS-PPQ Redistribution of *Aphthona* spp. flea beetles, 1988-1993. Abstr. In: Leafy Spurge Symposium, July 26-28, 1994, Bozeman, MT: 45.

**Ziolkowski, H.W., R.D. Richard and R.W. Hansen.** 1993. GIS/GPS applications in USDA-APHIS redistribution of leafy spurge biocontrol agents. Abstr. In: Leafy Spurge Symposium, July 26-28, 1993, Silvercreek, CO: 6.