

List of Abbreviations

LIST OF ABBREVIATIONS

20E	hydroxyecdysone	HIE	hypoxemic-ischemic (HIE)
ACTH	adrenocorticotropic hormone	HPLC	high performance liquid chromatography
Al/ha	active ingredient/hectare	H ₂ SO ₄	sulphuric acid
ATP	adenosine triphosphate	HR	heart rates
AWC	Agricultural Weather Center	IgG	immunoglobulin G
BCT	black cherry tree, <i>prunus serotina</i> . The common name for this species includes black cherry, wild black cherry, and wild cherry.	IP	intraperitoneal
BID	twice a day	IU	international units
bpm	heart beats per minute	IV	intravenous
CFU	colony forming unit	KCN	potassium cyanide
CNS	central nervous system	lb/A	pounds per acre
CO ₂	carbon dioxide	LD50	lethal dose 50
CRT	corticotrophin-releasing hormone	LFL	late fetal loss
DAS	diacetoxyscirpenol	MRLS	Mare Reproductive Loss Syndrome
DDT	dichloro-diphenyl-trichloro-ethane	MRLS DDs	MRLS degree days
DES	diethylstilbesterol	NaCN	sodium cyanide
DMSO	dimethyl sulfoxide	NaOH	sodium hydroxide
DON	dioxynivalenol	NCDC	National Climate Data Center
eCG	equine chorionic gonadotrophin	NO ₃ -N	nitrate-nitrogen
EFL	early fetal loss	NSAIDs	nonsteroidal anti-inflammatory drugs
EFP	equine fibrinous pericarditis	NVSL	National Veterinary Services Laboratories
EHV	equine herpesvirus	PCR	polymerase chain reaction
ELISA	enzyme linked immunosorbent assay	ppb	parts per billion
EPA	Environmental Protection Agency	ppm	parts per million
ETC	eastern tent caterpillars (<i>Malacosoma americanum</i>)	PVC	polyvinylchloride
EVA	equine viral arteritis	SID	once a day
FAT	fluorescent antibody test	SIRS	systemic inflammatory response syndrome
FSH	follicle-stimulating hormone	SPSE	septic penetrating setal emboli
GABA	gamma-amino butyric acid	T2	trichothecene mycotoxin
GnRH	gonadotropin releasing hormone	TH-1	thymus helper-1
GC	gas chromatography	TH-2	thymus helper-2
HCN	hydrogen cyanide	TLC	thin layer chromatography
HCN-p	hydrogen cyanide potential	TTW	transtracheal wash
		UKLDDC	University of Kentucky Livestock Disease Diagnostic Center
		VDL	veterinary diagnostic laboratory
		WBC	white blood count
		ZEA	zearealenone

Bibliographies and Suggested Readings

Eastern Tent Caterpillar (*Malacosoma americanum*) Literature Having Potential Relevance to Managing Mare Reproductive Loss Syndrome

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Abstract

Recent research implicating exposure to eastern tent caterpillar (ETC), *Malacosoma americanum* (F.), as a risk factor in Mare Reproductive Loss Syndrome (MRLS) has sparked interest in the caterpillar's biology, microbial pathogens, predators and parasites, and management. We compiled this bibliography for the use of entomologists, veterinary pathologists, and scientists in related fields who are studying pathology of the ETC/equine interaction, as well as persons concerned with managing ETC on horse farms, in the hope of saving others' time and avoiding duplication of effort. The 103 citations are organized into particular subject areas. Our goal is to expedite ongoing and future studies by organizing relevant citations in a format where they will be readily available to MRLS researchers.

Introduction

This bibliography covers published research on biology and control of the eastern tent caterpillar (ETC), *Malacosoma americanum* (F.) (Lepidoptera: Lasiocampidae) that may be relevant to management of Mare Reproductive Loss Syndrome. Farm surveys and experimental induction of MRLS by directed exposure of pregnant mares to ETC in field plots or by gastric administration all suggest that ETC somehow is involved with the disease. This revelation that ETC may be more than a nuisance tree pest is spurring interest in its microbial pathogens, dispersal behavior, spatial distribution, population biology, and management. Fitzgerald (1995) also cites many of the references compiled here; however, there they are presented alphabetically and intermixed with citations to species other than *M. americanum*. We updated the list of citations to ETC, organized it by subject matter, and streamlined it to help direct MRLS researchers, pest management advisors, and farm managers to the relevant literature.

Materials and Methods

Electronic databases (e.g., Agricola, Agris, Biological Abstracts) accessed through ERL WebSPIRS version 5.02, as well as the search engines Excite® and Google®, were used to find citations related to ETC. Searches were performed on the key words "eastern tent caterpillar" and *Malacosoma americanum*. Reference lists in two books devoted to tent caterpillars (Dethier 1980, Fitzgerald 1995) also were examined. Besides those books, the 103 citations we list are organized into nine categories: behavior,

general biology, genetics and evolution, management, nutritional ecology, pathogens, pheromones, physiology and seasonal ecology, and predators and parasitoids. We made no attempt to include State and Federal publications that only reiterate general biology and control recommendations. Articles concerning ETC published in this proceedings also are not listed.

Books

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Mare Reproductive Loss Syndrome Suggested Reading List

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FOLLOWING IS A SUGGESTED READING LIST OF ARTICLES, PAPERS, and other publications relevant to Mare Reproductive Loss Syndrome. The list is arranged in chronological order, with each year's publications additionally arranged alphabetically by author.

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Morris Library, Maxwell H. Gluck Equine Research Center, College of Agriculture, University of Kentucky, Lexington, Kentucky. The Morris Library maintains and updates this list, as well as retaining copies of the various publications. For further information, to request that an article be added to the list, or to receive updates of the list, please contact Gracie Hale, Morris Library, Maxwell H. Gluck Equine Research Center, University of Kentucky, Lexington, KY 40546. Telephone: 859-257-1192 Fax: 859-257-8542, Email: ghale@uky.edu.

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