

輸入植物から発見されたアザミウマ類

早 瀬 猛

横浜植物防疫所

A List of Thrips (Thysanoptera) Intercepted in Plant Quarantine. Takeshi HAYASE
(Yokohama Plant Protection Station, 6-64, Kitanakadori, Naka-ku, Yokohama 231,
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は じ め に

近年、輸送技術の飛躍的な発展により、地球上のあらゆるところから新鮮な野菜や果物、あるいは切り花などが大量に輸入されるようになった。植物防疫所では、これらの生植物の輸入検査で頻繁に発見されるダニ、アザミウマ、アブラムシなど、いわゆる微小害虫の全容を把握するため、1987 年度から、生植物が輸入される 22 か所の海空港において通常の輸入検査で発見された微小害虫のサンプルを集積し、その種名解明を行ってきた。

本稿は、1990 年 3 月末までに収集され、種名まで判明したアザミウマ目 3 科 71 種及び属名まで判明した 12 属、並びにそれらが発見された植物及びその産地を明らかにし、今後の研究、あるいは植物検疫の参考に供するものである。

なお、本調査を始めるに当たり有益な御教示を賜った蚕糸・昆虫農業技術研究所宮崎昌久博士、ご多忙中にもかかわらず数多くの種について同定の労を賜った静岡聖光学院工藤 巖博士、種々ご援助いただいた当所調査研究部並びに標本採集に当たった調査担当所の方々に対し厚く御礼申し上げる。

Suborder TEREBRANTIA アザミウマ亜目 Family AEOLOTHRIPIDAE シマアザミウマ科

**Aeolothrips brevicornis* BAGNALL

Brunia sp., *Erica* sp. (South Africa)

Aeolothrips fasciatus (LINNAEUS) シマアザミウマ

Asparagus officinalis (Australia, New Zealand, U.S.A.); *Limonium* sp. (New Zealand)

**Aeolothrips kuwanaii* MOULTON

Leucospermum sp. (U.S.A.)

**Cranothrips ravidus* MOUND

Banksia sp. (Australia)

**Desmothrips propinquus* (BAGNALL)

Limonium sp. (Australia)

**Desmothrips tenuicornis* BAGNALL

Alstroemeria sp. (New Zealand); *Anigozanthos* sp., *Asparagus officinalis* (Australia)

* 本邦未記録種。 Not known to occur in Japan.

**Desmothrips* sp.

Banksia sp. (Australia)

**Melanthrips acetoscelis* JOHN

Allium sp. (France)

**Rhipidothrips brunneus* WILLIAMS

Saponaria sp. (U.S.A.)

Family THIRIPIDAE アザミウマ科

Subfamily PANCHAETOTHRIPINAE アミメアザミウマ亜科

**Australothrips bicolor* BAGNALL

Conospermum sp., *Scholtzia* sp. (Australia)

**Caliothrips fasciatus* (PERGANDE)

Asparagus officinalis (Mexico, U.S.A.); *Citrus paradisi*, *Citrus sinensis* (U.S.A.)

Heliothrips haemorrhoidalis (BOUCHÉ) クロトンアザミウマ

Anigozanthos sp. (U.S.A.); *Erica* sp. (Australia)

**Parthenothrips dracaenae* (HEEGER)

Anthurium sp. (Netherlands)

**Rhipiphorothrips* sp.

Lagerstroemia speciosa (Philippines)

Selenothrips rubrocinctus (GIARD) アカオビアザミウマ

Garcinia mangostana (Colombia); *Gomphrena* sp. (Hawaii)

Subfamily THIRIPINAE アザミウマ亜科

Tribe Sericothripini

Scirtothrips dorsalis HOOD チャノキイロアザミウマ

Asparagus officinalis (Philippines, Thailand); *Oncidium* sp. (Thailand)

Tribe Chirothripini

Chirothrips manicatus (HALIDAY) ヒゲブトアザミウマ

Asparagus officinalis (Australia, New Zealand)

**Chirothrips mexicanus* CRAWFORD

Asparagus officinalis (Australia, Mexico)

**Chirothrips pretorianus* HOOD

Limonium sp. (Kenya)

**Limothrips angulicornis* JABLONOWSKI

Citrus sinensis (U.S.A.)

**Limothrips cerealium* (HALIDAY)

Allium ampeloprasum (Netherlands); *Allium* sp. (France); *Asparagus officinalis* (New Zealand); *Cichorium intybus* (Belgium); *Citrus paradisi* (U.S.A.); *Gypsophila* sp. (Australia); *Pseudotsuga* sp. (U.S.A.)

**Limothrips denticornis* HALIDAY

Abies sp. (Denmark)

Tribe Thripini

- **Anaphothrips dubius* (GIRAULT)
Asparagus officinalis (New Zealand)
- **Anaphothrips obscurus* (MÜLLER)
Asparagus officinalis (New Zealand)
- **Anaphothrips occidentalis* PITKIN
Anigozanthos sp. (Australia)
- **Apterothrips apteris* (DANIEL)
Asparagus officinalis, *Gypsophila* sp. (New Zealand); *Leucospermum* sp. (U.S.A.)
- **Bolacothrips* sp.
Asparagus officinalis (Malaysia)
- **Ceratothrips frici* (UZEL)
Anemone sp. (France); *Asparagus officinalis*, *Banksia* sp. (Australia); *Delphinium* sp. (France); *Lactuca sativa* v. *capitata* (Italy); *Ornithogalum* sp. (New Zealand); *Protea* sp. (Australia)
- **Chaetanaphothrips* sp.
Brassica oleracea v. *capitata* (Italy)
- **Cranothrips* sp.
Banksia sp. (Australia)
- **Ctenothrips* sp.
Eutrema wasabi (Taiwan)
- **Dichromothrips corbetti* (PRIESNER)
Aranda sp. (Singapore); *Cattleya* sp. (Hawaii); *Dendrobium* sp. (Hawaii, Singapore, Thailand); *Vanda* sp. (Thailand)
- Frankliniella intonsa* (TRYBOM) ヒラズハナアザミウマ
Asparagus officinalis (China, Taiwan, U.S.A.); *Brassica alboglabra*, *Brassica oleracea* v. *capitata* (Korea); *Callistephus chinensis*, *Chrysanthemum morifolium* (Taiwan); *Chrysanthemum* sp., *Dendrobium* sp. (Thailand); *Dianthus caryophyllus*, *Foeniculum vulgare* (Taiwan); *Fragaria* × *ananassa* (Korea); *Gladiolus gandavensis* (China, Taiwan); *Glycin max* (Korea); *Gypsophila* sp. (Korea, Taiwan); *Heliconia* sp., *Limonium altaica* (Taiwan); *Oncidium* sp. (Singapore); *Pisum sativum* (Taiwan); *Rosa* sp. (France); *Rubus* sp. (Canada)
- **Frankliniella invasor* SAKIMURA
Protea sp. (Hawaii)
- **Frankliniella minuta* (MOULTON)
Craspedia sp., *Limonium* sp. (U.S.A.)
- Frankliniella occidentalis* (PERGANDE) ミカンキイロアザミウマ
Achillea sp. (U.S.A.); *Allium cepa* (Hawaii); *Allium* sp. (France, U.S.A.); *Anemone* sp. (France); *Anigozanthos* sp., *Anthriscus* sp., *Apium graveolens* (U.S.A.); *Asparagus officinalis* (China, Mexico, U.S.A.); *Bellis* sp. (U.S.A.); *Brassica oleracea* v. *italica* (U.S.A.); *Brassica oleracea* v. *capitata* (Netherlands); *Callistephus chinensis* (Taiwan); *Centaurea* sp., *Chamaelaucium* sp. (U.S.A.); *Chrysanthemum frutescens* (U.S.A.); *Chrysanthemum* sp. (Taiwan, U.S.A.); *Craspedia* sp. (U.S.A.); *Cymbidium* sp. (New Zealand); *Cynara scolymus*, *Daucus carota* (U.S.A.); *Delphinium* sp. (France); *Dianthus* sp. (Colom-

bia, Malaysia, U.S.A., West Germany); *Dipsacus* sp., *Echinops* sp., *Eremurus* sp., *Fragaria* × *ananassa* (U.S.A.); *Gladiolus* sp. (Netherlands); *Gypsophila* sp. (Spain, U.S.A.); *Lactuca sativa* v. *capitata* (Netherlands, U.S.A.); *Leucospermum* sp. (Hawaii, U.S.A.); *Lilium* sp., *Limonium* sp., *Montbretia* sp. (U.S.A.); *Ornithogalum* sp. (Netherlands); *Petroselinum crispum* (U.S.A.); *Polianthes tuberosa* (Hawaii); *Rosa* sp. (France, U.S.A.); *Scabiosa* sp., *Trachymene* sp., *Viola tricolor*, *Zantedeschia* sp., *Zea mays* (U.S.A.)

**Frankliniella schultzei* (TRYBOM)

Abutilon sp. (Hawaii); *Asparagus officinalis* (Australia, Philippines, Thailand); *Banksia* sp. (Australia); *Brodiaea* sp. (South Africa); *Dendrobium* sp. (Thailand); *Dianthus* sp. (Argentina); *Gypsophila* sp. (Australia); *Leucospermum* sp. (Hawaii); *Liatris* sp., *Lilium* sp. (South Africa); *Limonium* sp. (Australia, Kenya); *Nerine* sp., *Ornithogalum* sp., *Phenocoma* sp. (South Africa); *Plumeria* sp. (Hawaii); *Protea cynaroides* (South Africa); *Rosa* sp. (Australia); *Solidaster* sp. (South Africa)

Frankliniella tenuicornis (UZEL) カホンカハナアザミウマ

Allium fistulosum (China); *Anemone* sp. (France); *Brassica alboglabra*, *Brassica oleracea* v. *capitata* (Korea); *Cichorium intybus* (Belgium); *Lactuca sativa* v. *capitata* (Italy)

Frankliniella sp.

Asparagus officinalis (Peru)

Megalurothrips distalis (KARNY) マメハナアザミウマ

Cymbidium sp. (New Zealand)

**Megalurothrips kellyanus* (BAGNALL)

Limonium sp. (New Zealand)

Megalurothrips usitatus (BAGNALL)

Limonium sp., *Phalaenopsis* sp., *Pisum sativum* (Taiwan)

Microcephalothrips abdominalis (CRAWFORD) コスモスアザミウマ

Chrysanthemum sp. (Taiwan); *Dianthus* sp. (Kenya); *Gomphrena* sp. (Hawaii); *Oncidium* sp. (Thailand)

**Odontothrips andrewarthae* PITKIN

Alstroemeria sp., *Calocephalus* sp., *Gypsophila* sp., *Leucospermum* sp. (Australia)

**Odontothrips meliloti* PRIESNER

Agapanthus sp. (France)

**Oxythrips* sp.

Delphinium sp. (France)

**Platythrips tunicatus* (HALIDAY)

Asparagus officinalis (France)

**Pseudanaphothrips achaetus* (BAGNALL)

Alstroemeria sp. (Australia); *Amaryllis belladonna* (New Zealand); *Banksia* sp., *Boronia* sp., *Calythrix* sp., *Conospermum* sp., *Dryandra* sp., *Leucospermum* sp. (Australia); *Limonium* sp. (New Zealand); *Scholtzia* sp., *Verticordia* sp. (Australia)

**Scolothrips pallidus* (BEACH)

Cucurbita spp. (U.S.A.)

Stenchaetothrips bififormis (BAGNALL) イネアザミウマ

Asparagus officinalis (Philippines)

**Synaptothrips gezinae* (FAURE)

Protea sp. (South Africa)

- **Synaptothrips paradoxus* (BAGNALL)
Erica sp. (South Africa)
- Taeniothrips eucharii* (WHETZEL) オモトアザミウマ
Dendrobium sp. (Thailand); *Lycoris aurea* (Taiwan); *Lycoris* sp. (China); *Ornithogalum* sp. (Taiwan)
- **Thrips angusticeps* UZEL
Cichorium intybus, *Foeniculum vulgare* (Italy)
- **Thrips atratus* HALIDAY
Dianthus sp. (Greece)
- **Thrips australis* (BAGNALL)
Banksia sp. (Australia); *Calytrix* sp. (New Zealand); *Chamaelaucium* sp. (Australia, U.S.A.); *Erica* sp. (South Africa); *Leucadendron* sp. (Australia); *Leucospermum* sp. (U.S.A.)
- **Thrips florum* SCHMUTZ
Hedychium coronarium (Hawaii)
- **Thrips fuscipennis* HALIDAY
Eryngium sp. (Netherlands)
- Thrips hawaiiensis* (MORGAN) ハナアザミウマ
Asparagus officinalis (Taiwan); *Bellis* sp., *Cattleya* sp., *Chrysanthemum frutescens* (U.S.A.); *Chrysanthemum morifolium* (Taiwan); *Cymbidium* sp. (Australia, New Zealand); *Dendrobium* sp. (Thailand); *Dianthus* sp. (U.S.A.); *Dryandra* sp. (Australia); *Foeniculum vulgare*, *Gladiolus* sp. (Taiwan, Netherlands); *Leucadendron* sp., *Leucospermum* sp. (Hawaii); *Limonium* sp. (Taiwan); *Protea* sp. (Hawaii); *Rosa* sp. (Australia, Taiwan)
- **Thrips imaginis* BAGNALL
Asparagus officinalis, *Alstroemeria* sp., *Anigozanthos* sp., *Banksia* sp., *Calocephalus* sp., *Chamaelaucium* sp., *Conospermum* sp., *Dianthus* sp., *Dryandra* sp., *Gypsophila* sp., *Leucospermum* sp. (Australia); *Limonium* sp. (Australia, New Zealand); *Ornithogalum* sp. (South Africa); *Protea* sp., *Serruria* sp., *Verticordia* sp., *Zantedeschia* sp. (Australia)
- **Thrips madronii* MOULTON
Citrus paradisi, *Citrus sinensis* (U.S.A.)
- **Thrips major* UZEL
Agapanthus sp., *Anemone* sp. (France); *Chamaelaucium* sp. (Israel); *Citrus paradisi* (U.S.A.)
- Thrips nigropilosus* UZEL クロゲハナアザミウマ
Lactuca sativa v. *capitata* (New Zealand)
- **Thrips obscuratus* (CRAWFORD)
Agapanthus sp., *Asparagus officinalis*, *Boronia* sp., *Cymbidium* sp., *Dianthus* sp., *Eryngium* sp., *Gypsophila* sp., *Leucadendron* sp., *Leucospermum* sp., *Limonium* sp., *Ornithogalum* sp., *Phalaenopsis* sp., *Phyllis* sp., *Telopea* sp., *Zantedeschia* sp. (New Zealand)
- **Thrips orientalis* (BAGNALL)
Jasminum sambac (Hawaii)
- Thrips palmi* KARNY ミナミキイロアザミウマ
Asparagus officinalis (Indonesia, Philippines, Thailand); *Chrysanthemum* sp. (Taiwan, Thailand); *Cymbidium* sp. (New Zealand); *Dendrobium* sp. (Hawaii, Singapore, Thailand); *Foeniculum vulgare* (Taiwan); *Hibiscus esculentus* (Philippines, Thailand);

Limonium sp., Orchidaceae (Taiwan); *Rosa* sp. (Singapore)

Thrips pini (UZEL)

Abies procera, *Pseudotsuga menziesii* (U.S.A.)

Thrips simplex (MORISON) グラジオラスアザミウマ

Amaryllis belladonna (New Zealand); *Brodiaea* sp. (South Africa); *Chrysanthemum* sp. (Taiwan); *Crocasmia* sp. (New Zealand); *Dianthus* sp. (Australia); *Gladiolus* sp. (China, Netherlands, Taiwan, U.S.A.); *Kniphofia* sp. (Colombia); *Solidaster* sp. (South Africa)

Thrips tabaci LINDEMAN ネギアザミウマ

Achillea sp. (U.S.A.); *Agapanthus* sp. (France, New Zealand); *Allium ampeloprasum* (Australia, Belgium); *Allium ascalonicum* (France); *Allium cepa* (Australia, China, New Zealand, Philippines, Taiwan, U.S.A.); *Allium fistulosum* (China); *Allium fistulosum* v. *caespitosum* (Taiwan, Thailand); *Allium sativum* (Taiwan); *Allium* sp. (France, U.S.A.); *Alstroemeria* sp. (Australia, Colombia, New Zealand); *Amaryllis belladonna* (New Zealand); *Anemone* sp. (France); *Anigozanthos* sp. (Australia); *Anthriscus* sp. (U.S.A.); *Anthurium* sp. (Hawaii); *Asparagus officinalis* (Australia, Chile, China, Italy, Mexico, New Zealand, Peru, Philippines, Taiwan, Thailand, U.S.A.); *Bellis* sp. (U.S.A.), *Brassica alboglabra* (Korea); *Brassica oleracea* v. *capitata* (Korea, Netherlands); *Brassica oleracea* v. *italica* (U.S.A.); *Brodiaea* sp. (South Africa); *Centaurea* sp. (Italy); *Chamaelaucium* sp. (U.S.A.); *Chrysanthemum morifolium* (Taiwan); *Chrysanthemum* sp. (U.S.A.); *Cichorium intybus* (Italy); *Conospermum* sp. (Australia); *Crocasmia* sp., *Cucurbita* sp., *Cymbidium* sp. (New Zealand); *Cynara scolymus* (France, Spain); *Delphinium* sp. (France); *Dendrobium* sp. (Thailand); *Dianthus* sp. (Australia, Egypt, Greece, Israel, Kenya, New Zealand, U.S.A., West Germany); *Dipsacus* sp., *Echinops* sp., *Eremurus* sp. (U.S.A.); *Erica* sp. (South Africa); *Eryngium* sp. (Netherlands, New Zealand); *Ficus carica* (U.S.A.); *Foeniculum vulgare* (Italy); *Gladiolus* sp. (China, New Zealand, Taiwan); *Gypsophila* sp. (Australia, New Zealand); *Kniphofia* sp. (Colombia); *Leucospermum* sp. (Australia, Hawaii, U.S.A.); *Liatris* sp. (South Africa); *Lilium* sp. (New Zealand, South Africa); *Limonium* sp. (France, New Zealand); *Macropidia* sp. (Australia); *Nerine* sp. (Netherlands, New Zealand); *Ornithogalum* sp. (South Africa); *Phalaenopsis* sp. (New Zealand); *Polianthes tuberosa* (Mexico); *Rosa* sp., *Rulingia* sp. (Australia); *Serruria* sp., *Solidaster* sp. (South Africa); *Trachelium* sp., *Tulipa* sp. (France); *Verticordia* sp. (Australia); *Viola tricolor* (U.S.A.); *Watsonia* sp. (New Zealand)

**Thrips vulgatissimus* HALIDAY

Eryngium sp. (Netherlands)

**Thrips* sp.

Liatris sp. (South Africa)

**Thrips* sp.

Limonium sp. (Kenya)

Suborder TUBULIFERA クダアザミウマ亜目

Family PHLAEOTHIRIPIDAE クダアザミウマ科

Subfamily IDOLOTHRIPINAE オオアザミウマ亜科

**Nesothrips propinquus* (BAGNALL)

Asparagus officinalis (Australia, New Zealand)

Subfamily PHLAETHRIPINAE クダアザミウマ亜科

Gynaikothrips sp.

Ficus microcarpa, *Ficus retusa*, *Lycoris* sp. (Taiwan)

**Haplothrips angustus* HOOD

Boronia sp. (Australia)

**Haplothrips bituberculatus* (GIRAULT)

Leucospermum sp. (Australia)

Haplothrips chinensis PRIESNER シナクダアザミウマ

Chrysanthemum sp. (Taiwan)

**Haplothrips froggatti* HOOD

Asparagus officinalis, *Erica* sp., *Limonium* sp. (Australia)

**Haplothrips robustus* BAGNALL

Asparagus officinalis (Australia)

**Haplothrips varius* HOOD

Asparagus officinalis (Australia)

**Haplothrips victoriensis* BAGNALL

Banksia sp., *Chamaelaucium* sp., *Dryandra* sp., *Erica* sp., *Leptospermum* sp., *Leucadendron* sp.,
Leucospermum sp. (Australia)

Haplothrips spp.

Abies sp. (Denmark); *Agapanthus* sp. (Malaysia); *Agonis* sp. (Australia); *Asparagus officinalis* (China, Philippines, Thailand); *Banksia* sp. (Australia); *Berzelia* sp., *Brodiaea* sp., *Brunia* sp. (South Africa); *Chrysanthemum* sp. (Taiwan); *Dendrobium* sp. (Thailand); *Erica* sp. (South Africa); *Hedychium* sp. (Hawaii); *Limonium* sp. (Taiwan); *Nerine* sp. (South Africa, Swaziland); *Oncidium* sp. (Singapore); *Ornithogalum* sp. (South Africa, Taiwan); *Phaenocoma* sp. (South Africa)

Karnyothrips sp.

Citrus paradisi (U.S.A.)

**Leptothrips heliomanes* HOOD

Citrus paradisi, *Ficus carica* (U.S.A.)

Liothrips vaneckei PRIESNER ユリクダアザミウマ

Fritillaria sp. (Netherlands)