

輸入生植物から発見されたアブラムシ

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Annotated list of the aphids (Homoptera: Aphidoidea) intercepted on import plant quarantine inspection. Shun'ichiro SUGIMOTO and Ken'ichi KITAGAWA (Yokohama Plant Protection Station, 6-64, Kitanakadori, Naka-ku, Yokohama 231, Japan). *Res. Bull. Pl. Prot. Japan.* 27: 101-105 (1991).

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は じ め に

近年、輸送手段の質的な進歩及び高速化が国民の多様なニーズと呼応して、いろいろな植物が世界の各地から輸入されている。とりわけ航空コンテナ、リーファーコンテナの発達、野菜・生果実・切花等において、鮮度を保った状態での輸入を可能にした。しかしながらこれらに付着してくる病害虫、特にアブラムシのような微小害虫については標本の集積がなく、実態がつかめていない現状であった。

昭和 62 年以降、植物防疫所各所の協力を得てアブラムシの調査を行った結果、40 種以上もの種数に及ぶことが判明した。そこで、下記のように輸入検疫で発見されたアブラムシを、付着していた植物及び輸出国（地域）を付してリストアップした。

なお、有翅虫は本来の寄生植物でない植物から発見されることがしばしばあり、リスト中アブラムシと植物の組み合わせが疑わしい場合にあっては、植物名の前に？印を記した。

本論に先立ち、サンプル収集に御協力いただいた植物防疫所各所の皆様に御礼申し上げる。

Family PEMPHIGIDAE

Subfamily PEMPHIGINAE

****Aloephagus myersi* ESSIG**

Material examined: Some apterous viviparous females, on *Haworthia* sp. (Liliaceae).

Origin: South Africa.

Family APHIDIDAE

Subfamily LACHNINAE

****Cinara* sp.**

Material examined: Many oviparous females, on *Abies procera* (Pinaceae), 30. XI. 1980.

Origin: U.S.A.

? Plant in doubt as host.

* Not known to occur in Japan.

Subfamily APHIDINAE

Tribe Aphidini-Subtribe Aphidina

***Aphis craccivora* KOCH**

Material examined: Many apterous and alate viviparous females, on *Asparagus officinalis* (Liliaceae), *Oncidium* sp. (Orchidaceae), *Psophocarpus tetragonolobus* (Leguminosae) and *Lactuca sativa* (Compositae). Some oviparous females, on *Lactuca sativa* from Italy, 26. X. 1987.

Origin: Philippines, Italy, U.S.A.

***Aphis fabae* SCOPOLI**

Material examined: Many apterous and alate viviparous females, on *Asparagus officinalis* (Liliaceae), *Tulipa* sp. (Liliaceae), *Alstroemeria* sp. (Amaryllidaceae), *Eryngium* sp., *Foeniculum vulgare* (Umbelliferae), and *Cynara scolymus* (Compositae).

Origin: France, Holland, Italy, U.S.A.

***Aphis gossypii* GLOVER**

Material examined: Numerous apterous and alate viviparous females, on *Lilium* spp., *Tulipa* sp., *Ornithogalum* sp., *Asparagus officinalis* (Liliaceae), *Alstroemeria* sp. (Amaryllidaceae), *Aranda* sp., *Oncidium* sp., *Dendrobium* spp. (Orchidaceae), *Dianthus caryophyllus* (Caryophyllaceae), *Brassica campestris* (Cruciferae), *Cucumis satives* (Cucurbitaceae), *Ixora* sp. (Rubiaceae), and *Chrysanthemum* sp. (Compositae).

Origin: Korea, Taiwan, Singapore, Indonesia, Philippines, Holland, Kenya, South Africa, U.S.A.

****Aphis intybi* KOCH**

Material examined: Two apterous viviparous females, on *Cichorium intybus* (Compositae).

Origin: Italy.

***Aphis spiraeicola* PATCH**

Material examined: Many apterous and alate viviparous females, on *Heliconia* sp. (Musaceae), *Anthriscus cerfolium*, *Foeniculum vulgare* (Umbelliferae) and *Chrysanthemum* sp. (Compositae).

Origin: Korea, Taiwan, Hawaii, U.S.A.

Tribe Aphidini-Subtribe Rhopalosiphina

***Hyaloapterus pruni* (GEOFFROY)**

Material examined: Two alate viviparous females, on ? *Brassica oleracea* (Cruciferae) and ? *Limonium* sp. (Plumbaginaceae).

Origin: Korea, Malaysia.

***Hysteroneura setariae* (THOMAS)**

Material examined: One apterous viviparous female, on ? *Ananas comosus* (Bromeliaceae).

Origin: Philippines.

***Rhopalosiphum maidis* (FITCH)**

Material examined: Many apterous and alate viviparous females, on *Zea mays* (Gramineae) and *Heliconia* sp. (Musaceae).

Origin: Korea, Taiwan, Thailand, Philippines, U.S.A., Australia.

***Rhopalosiphum nymphaeae* (LINNAEUS)**

Material examined: Some apterous viviparous females, on *Ornithogalum* sp. (Liliaceae) and *Nymphaea* sp. (Nymphaeaceae).

Origin: Holland, New Zealand.

***Rhopalosiphum padi* (LINNAEUS)**

Material examined: Some apterous and alate viviparous females, on *Ornithogalum* sp., ? *Asparagus officinalis* (Liliaceae) and *Zea mays* (Gramineae).

Origin: Korea, Taiwan, U.S.A.

***Rhopalosiphum ruftabdominalis* (SASAKI)**

Material examined: Some apterous and alate viviparous females, on *Zea mays* (Gramineae), *Alstroemeria* sp. (Amaryllidaceae), *Apium graveolens* and *Petroselinum crispum* (Umbelliferae).

Origin: China, Holland, U.S.A., New Zealand.

Tribe Macrosiphini

***Acyrtosiphon pisum* (HARRIS)**

Material examined: One apterous viviparous female, on *Pisum satives* (Leguminosae).

Origin: Taiwan.

***Aulacorthum solani* (KALTENBACH)**

Material examined: Many apterous and alate viviparous females, on *Lilium* sp., *Ornithogalum* sp., *Tulipa* sp. (Liliaceae), *Alstroemeria* sp., *Amaryllis* sp., *Anigozanthus* sp. (Amaryllidaceae), *Freesia* sp. (Iridaceae), *Cymbidium* sp., *Oncidium* sp. (Orchidaceae), *Rosa* sp. (Rosaceae), *Viola* sp. (Violaceae), *Apium graveolens* (Umbelliferae) and *Lactuca sativa* (Compositae).

Origin: Korea, Thailand, Singapore, Holland, U.S.A., New Zealand.

***Aulacorthum circumflexum* (BUCKTON)**

Material examined: Many apterous viviparous females, on *Cymbidium* sp. (Orchidaceae), *Anthurium* sp. (Araceae) and *Viola* sp. (Violaceae).

Origin: Hawaii, U.S.A., New Zealand.

***Brachycaudus helichrysi* (KALTENBACH)**

Material examined: Some apterous and alate viviparous females, on *Bellis* sp., *Centaurea* sp., and *Chrysanthemum* sp. (Compositae).

Origin: Taiwan, Thailand, Greece, Australia.

***Brevicoryne brassicae* (LINNAEUS)**

Material examined: Many apterous and alate viviparous females, on *Brassica* spp. (including broccoli, cabbage, chinease cabbage and cauliflower) (Cruciferae).

Origin: Korea, Taiwan, Malaysia, Italy, France, U.S.A.

***Capitophorus elaeagni* (DEL GUERCIO)**

Material examined: One alate viviparous female, on *Cichorium intybus* (Compositae).

Origin: New Zealand.

***Cavariella aegopodii* (SCOPOLI)**

Material examined: Some apterous viviparous females, on *Anethum graveolens*, *Anthriscus cerefolium*, *Foeniculum vulgare* and *Petroselinum crispum* (Umbelliferae).

Origin: Belgium, U.S.A.

*** *Delphiniobium* sp.**

Material examined: One apterous viviparous female, eight oviparous females and one alate male, on *Delphinium* sp. (Ranunculaceae), 13. X. 1988.

Origin: France.

*** *Dysaphis apiifolia* (THEOBALD)**

Material examined: Some apterous viviparous females, on *Apium graveolens* and

Foeniculum vulgare (Umbelliferae).

Origin : Italy, U.S.A.

* ***Dysaphis cynarae*** (KALTENBACH)

Material examined : Some apterous viviparous females, on *Cynara scolymus* (Compositae).

Origin : Belgium.

Dysaphis tulipae (BOYER de FONSCOLOMBE)

Material examined : Many apterous and alate viviparous females, on *Lilium* sp., *Tulipa* sp. (Liliaceae), *Crocus* sp. and *Iris* spp. (including *I. germanica*) (Iridaceae).

Origin : England, Holland, New Zealand.

MORITSU (1958) reported that the aphid was observed by the quarantine inspection in 1930 and 1932.

Liosomaphis berberidis (KALTENBACH)

Material examined : Some apterous and alate viviparous females, on *Berberis* sp. (Berberidaceae).

Origin : England.

Lipaphis erysimi (KALTENBACH)

Material examined : Many apterous and alate viviparous females, on *Brassica* spp. (including broccoli, cabbage, chinese cabbage, kale, etc.) (Cruciferae).

Origin : China, Hong Kong, Korea.

Macrosiphum euphorbiae (THOMAS)

Material examined : Numerous apterous and alate viviparous females, on *Asparagus officinalis*, *Eremurus* sp., *Lilium* sp., *Ornithogalum* sp., *Tulipa* sp. (Liliaceae), *Alstroemeria* sp. (Amaryllidaceae), *Freesia* sp. (Iridaceae), *Ranunculus* sp. (Ranunculaceae), *Rosa* sp. (Rosaceae), *Eucalyptus* sp. (Myrtaceae), *Anthoriscus* sp., *Eryngium* sp. (Umbelliferae), *Bouvardia* sp. (Rubiaceae), *Viburnum* sp. (Caprifoliaceae) and *Lactuca sativa* (Compositae).

Origin : Belgium, Holland, France, U.S.A., Mexico, New Zealand.

* ***Macrosiphum rosae*** (LINNAEUS)

Material examined : Many apterous and alate viviparous females, on *Rosa* sp. (Rosaceae).

Origin : Holland, Australia.

* ***Macrosiphum stellariae*** (THOMAS)

Material examined : One apterous viviparous female, on *Dianthus caryophyllus* (Caryophyllaceae).

Origin : Holland.

Myzus ascalonium DONCASTER

Material examined : Some apterous viviparous females, on *Allium* spp. (including *A. ascalonicum*, *A. cepa*) (Liliaceae).

Origin : France, South Africa.

* ***Myzus cymbalariae*** STROYAN

Material examined : Some apterous viviparous females, on *Allium ascalonicum* (Liliaceae) and *Viola* sp. (Violaceae).

Origin : Belgium, U.S.A.

Myzus hemerocallis TAKAHASHI

Material examined : Some apterous viviparous females, on *Hemerocallis* sp. (Liliaceae).

Origin : Indonesia.

***Myzus ornatus* (LAING)**

Material examined: Some apterous viviparous females, on *Viola* sp. (Violaceae).

Origin: U.S.A.

***Myzus persicae* (SULZER)**

Material examined: Numerous apterous and alate viviparous females, on *Asparagus officinalis*, *Lilium* sp., *Ornithogalum* sp., *Tulipa* sp. (Liliaceae), *Alstroemeria* sp. (Amaryllidaceae), *Freesia* sp., *Ixia* sp. (Iridaceae), *Cymbidium* sp., *Oncidium* sp. (Orchidaceae), *Leucadendron* sp., *Protea* sp. (Proteaceae), *Dianthus caryophyllus*, *Gypsophila* sp. (Caryophyllaceae), *Amenone* sp. (Ranunculaceae), *Brassica* spp. (including cabbage, cauliflower, chinese cabbage, broccoli, etc.) (Cruciferae), *Kalanchoe* sp. (Crassulaceae), *Rosa* sp. (Rosaceae), *Viola* sp. (Violaceae), *Anethum graveolens*, *Eryngium* sp., *Foeniculum vulgare*, *Petroselinum crispum* (Umbelliferae), *Bouvardia* sp. (Rubiaceae), *Gerbera* sp., *Chrysanthemum* sp., *Lactuca sativa*, *Solidaster* sp., and *Cynara scolymus* (Compositae). One alate male, on *Brassica oleracea* from Taiwan, 9. I. 1989.

Origin: China, Hong Kong, Korea, Taiwan, France, Holland, South Africa, Hawaii, U.S.A., Mexico, Colombia, Australia, New Zealand.

****Nasonobia ribisnigri* (MOSLEY)**

Material examined: Many apterous viviparous females, on *Lactuca sativa* and *Cichorium intybus* (Compositae).

Origin: Belgium, Holland.

***Ovatus crataegarius* (WALKER)**

Material examined: Some apterous viviparous females, on *Mentha* sp. (Labiatae).

Origin: New Zealand.

***Pentalonia nigronervosa* COQUEREL**

Material examined: Many apterous viviparous females, on *Alocasia* sp., *Arum* sp., *Caladium* sp. (Araceae), *Heliconia* sp., *Musa* sp., *Strelitzia* sp. (Musaceae), *Alpinia* sp. and *Hedychium* sp. (Zingiberaceae).

Origin: Taiwan, Philippines, Hawaii.

***Rhodobium porosum* (SANDERSON)**

Material examined: Many apterous and alate viviparous females, on *Rosa* sp. (Rosaceae).

Origin: Holland, Italy, Colombia, Brazil.

***Semiaphis heraclei* (TAKAHASHI)**

Material examined: Many apterous viviparous females, on *Apium graveolens* and *Foeniculum vulgare* (Umbelliferae).

Origin: Taiwan.

****Sitobion luteum* (BUCKTON)**

Material examined: Many apterous viviparous females, on *Dendrobium* sp. (Orchidaceae).

Origin: Taiwan.

***Uroleucon gobonis* (MATSUMURA)**

Material examined: Two apterous viviparous females, on *Arctium lappa* (Compositae).

Origin: Korea.

****Uroleucon* sp.**

Material examined: Some apterous viviparous females, on *Cichorium endivia* (Compositae).

Origin: France.

参 考 文 献

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