

| I           | identification      |                     |            | location    |                      |                  |        |              |                               |            |            |           | date |       |     | collection                  | host            |                 |                    |
|-------------|---------------------|---------------------|------------|-------------|----------------------|------------------|--------|--------------|-------------------------------|------------|------------|-----------|------|-------|-----|-----------------------------|-----------------|-----------------|--------------------|
| slide count | label det           | species             | det_by     | country     | admin1 / Crosby area | admin2           | admin3 | locality     | site                          | lat        | long       | elevation | year | month | day | collector                   | label_host      | stand_host      | notes for database |
| 1           | Myzus persicae      | ?                   |            | New Zealand |                      |                  |        |              |                               |            |            |           | 1968 | 6     | 30  | Evanson, B.E.               | lettuce         | Lactuca sativa  |                    |
| 1           | Myzus persicae      | ?                   |            | New Zealand |                      |                  |        |              |                               |            |            |           | 1979 | 8     | 16  | Higgins, G.I.               | parsley         | Pteroselinum    |                    |
| 1           | Acyrtosiphon kondoi | Acyrtosiphon kondoi |            | New Zealand | Ak                   | Auckland         |        | Warkworth    |                               | -36.401726 | 174.660769 |           | 1976 | 1     | 9   |                             | Medicago sativa | Medicago sativa |                    |
| 1           | Acyrtosiphon kondoi | Acyrtosiphon kondoi |            | New Zealand | WA                   | Wairarapa        |        | Masterton    | Weston Lake                   | -40.948949 | 175.660764 |           | 1976 | 1     | 22  | Scott, B.                   | lucerne         | Medicago sativa |                    |
| 1           | Acyrtosiphon kondoi | Acyrtosiphon kondoi |            | New Zealand | TK                   | Taranaki         |        | Opunake      | Ihaia Road                    | -39.452441 | 173.854577 |           | 1976 | 1     | 22  | Brungans, P.E.              |                 |                 |                    |
| 1           | Acyrtosiphon kondoi | Acyrtosiphon kondoi |            | New Zealand | TK                   | Taranaki         |        | Waitara      |                               | -39.001272 | 174.237301 |           | 1976 | 1     | 26  | O'Halloran, R.J.            | lucern          | Medicago sativa |                    |
| 1           | Acyrtosiphon kondoi | Acyrtosiphon kondoi |            | New Zealand | WI                   | Wanganui         |        | Wanganui     | Papanui Road                  |            |            |           | 1976 | 1     | 28  | Holmes, R.J.                |                 |                 |                    |
| 2           | Acyrtosiphon kondoi | Acyrtosiphon kondoi |            | New Zealand | WN                   | Wellington       |        | Otaki        | Te Roto Rd; B. van der Welden | -40.765324 | 175.160203 |           | 1976 | 2     | 17  | Richardson, C.A.            | lucerne         | Medicago sativa |                    |
| 2           | Acyrtosiphon kondoi | Acyrtosiphon kondoi |            | New Zealand | WN                   | Wellington       |        | Levin        | Foxton Road, Bill Kilsby      | -40.488753 | 175.281513 |           | 1976 | 2     | 26  | Richardson, C.A.            | lucern          | Medicago sativa |                    |
| 1           | Acyrtosiphon kondoi | Acyrtosiphon kondoi |            | New Zealand | WN                   | Wellington       |        | Levin        | Foxton Road, Tony Kilsby      | -40.488753 | 175.281513 |           | 1976 | 2     | 26  | Richardson, C.A.            | lucern          | Medicago sativa |                    |
| 2           | Acyrtosiphon kondoi | Acyrtosiphon kondoi |            | New Zealand | WN                   | Wellington       |        | Levin        | Oturoa Road; Whirokino farm   | -40.522480 | 175.262761 |           | 1976 | 2     | 26  | Richardson, C.A.            | lucern          | Medicago sativa |                    |
| 1           | Acyrtosiphon kondoi | Acyrtosiphon kondoi |            | New Zealand | WN                   | Wellington       |        | Otaki        | Te Roto Rd; B. van der Welden | -40.765324 | 175.160203 |           | 1976 | 3     | 9   | Richardson, C.A.            | lucerne         | Medicago sativa |                    |
| 1           | Acyrtosiphon kondoi | Acyrtosiphon kondoi |            | New Zealand | WN                   | Wellington       |        | Otaki        | Te Roto Rd                    | -40.765324 | 175.160203 |           | 1976 | 3     | 10  | Keall, J.B.                 | lucern          | Medicago sativa |                    |
| 1           | Acyrtosiphon kondoi | Acyrtosiphon kondoi |            | New Zealand | NN                   | Nelson           |        | Nelson       |                               | -41.270786 | 173.284000 |           | 1976 | 3     | 12  | Ryson, E.C.                 | lucern          | Medicago sativa |                    |
| 1           | Acyrtosiphon kondoi | Acyrtosiphon kondoi |            | New Zealand | NN                   | Nelson           |        | Motueka      |                               | -41.110107 | 173.011121 |           | 1976 | 3     | 12  | Fenwick, G.A.               | lucerne         | Medicago sativa |                    |
| 1           | Acyrtosiphon kondoi | Acyrtosiphon kondoi |            | New Zealand | WA                   | Wairarapa        |        | Masterton    |                               | -40.948949 | 175.660764 |           | 1976 | 3     | 15  | Scott, B.                   |                 |                 |                    |
| 1           | Acyrtosiphon kondoi | Acyrtosiphon kondoi |            | New Zealand | WN                   | Wellington       |        | Levin        | H.R.C.                        | -40.653232 | 175.275183 |           | 1976 | 6     | 23  | Richardson, C.A.            | lucerne         | Medicago sativa |                    |
| 1           | Acyrtosiphon kondoi | Acyrtosiphon kondoi |            | New Zealand | BP                   | Bay of Plenty    |        | Rotorua      | Fowler Agautu                 | -38.139826 | 176.247073 |           | 1977 | 11    | 21  |                             | lucerne         | Medicago sativa |                    |
| 2           | Acyrtosiphon kondoi | Acyrtosiphon kondoi | AD Lowe    | New Zealand | MB                   | Marlborough      |        | Blenheim     | G. Neal                       | -41.516457 | 173.953239 |           | 1977 | 11    | 30  | Harvey, I.C.                | haricot beans   | Phaseolus       |                    |
| 1           | Acyrtosiphon kondoi | Acyrtosiphon kondoi | AD Lowe    | New Zealand | MB                   | Marlborough      |        | Blenheim     | G. Neal                       | -41.516457 | 173.953239 |           | 1977 | 11    | 30  | Harvey, I.C.                | Pisum sativum   | Pisum sativum   |                    |
| 3           | Acyrtosiphon kondoi | Acyrtosiphon kondoi |            | New Zealand | MC                   | Mid Canterbury   |        | Christchurch | cnr Ryans & Pound Roads       | -43.504796 | 172.513015 |           | 1978 | 8     | 16  | McFadden, J.E.              |                 |                 |                    |
| 1           | Acyrtosiphon kondoi | Acyrtosiphon kondoi | VFE        | New Zealand | WI                   | Wanganui         |        |              | Flock House                   | -40.26706  | 175.282997 | 14m       | 1978 | 10    | 24  | Manson, D.C.M.              |                 |                 |                    |
| 1           | Acyrtosiphon kondoi | Acyrtosiphon kondoi |            | New Zealand | MC                   | Mid Canterbury   |        | Leeston      |                               | -43.763763 | 172.295312 |           |      |       |     |                             |                 | Pisum sativum?  | pea survey         |
| 1           | Acyrtosiphon kondoi | Acyrtosiphon kondoi |            | New Zealand | MC                   | Mid Canterbury   |        | Leeston      |                               | -43.763763 | 172.295312 |           |      |       |     | Knight, K.                  |                 | Pisum sativum?  | pea survey         |
| 1           | Acyrtosiphon kondoi | Acyrtosiphon kondoi |            | New Zealand | SC                   | South Canterbury |        | Orton        |                               | -37.377577 | 175.035361 |           |      |       |     | Bejakovich, D./Brown, W.    |                 | Pisum sativum?  | pea survey         |
| 1           | Acyrtosiphon kondoi | Acyrtosiphon kondoi | Bejakovich | New Zealand | MC                   | Mid Canterbury   |        | Rakaia       |                               | -43.756337 | 172.025093 |           |      |       |     | Braithwaite, M.             |                 | Pisum sativum?  | pea survey         |
| 2           | Acyrtosiphon kondoi | Acyrtosiphon kondoi |            | New Zealand | MC                   | Mid Canterbury   |        | Aylesbury    |                               | -43.530001 | 172.268267 |           |      |       |     | Alexander, B./Cliptorn, M.  |                 | Pisum sativum?  | pea survey         |
| 1           | Acyrtosiphon kondoi | Acyrtosiphon kondoi |            | New Zealand | MC                   | Mid Canterbury   |        | Christchurch |                               | -43.516490 | 172.640699 |           |      |       |     |                             |                 | Pisum sativum?  | pea survey         |
| 1           | Acyrtosiphon kondoi | Acyrtosiphon kondoi |            | New Zealand | MC                   | Mid Canterbury   |        | Christchurch |                               | -43.516490 | 172.640699 |           |      |       |     | Pearson, W.D./Alexander, B. |                 | Pisum sativum?  | pea survey         |

| slide count | label det                | species              | det by       | country     | admin1 / Crosby area | admin2           | admin3 | locality     | site            | lat        | long       | elevation | year | month | day | collector                   | label host      | stand host      | notes for database |
|-------------|--------------------------|----------------------|--------------|-------------|----------------------|------------------|--------|--------------|-----------------|------------|------------|-----------|------|-------|-----|-----------------------------|-----------------|-----------------|--------------------|
| 1           | Acyrthosiphon kondoi     | Acyrthosiphon kondoi | Bejakovich   | New Zealand | MC                   | Mid Canterbury   |        | Darfield     |                 | -43.489370 | 172.108998 |           |      |       |     | Alexander, B.               |                 | Pisum sativum?  | pea survey         |
| 2           | Acyrthosiphon kondoi     | Acyrthosiphon kondoi | M. O'Dormell | New Zealand | MC                   | Mid Canterbury   |        | Darfield     |                 | -43.489370 | 172.108998 |           |      |       |     |                             |                 | Lolium?         | ryegrass survey    |
| 1           | Acyrthosiphon kondoi     | Acyrthosiphon kondoi |              | New Zealand | MB                   | Marlborough      |        | Blenheim     | Old Renwick Rd  | -41.498814 | 173.898425 |           |      |       |     | Boyce                       | beans           | Phaseolus       |                    |
| 1           | Acyrthosiphon kondoi     | Acyrthosiphon kondoi |              | New Zealand |                      |                  |        |              |                 |            |            |           |      |       |     |                             |                 |                 |                    |
| 1           | Acyrthosiphon kondoi     | Acyrthosiphon kondoi | Bejakovich   | New Zealand |                      |                  |        |              |                 |            |            |           |      |       |     |                             |                 |                 |                    |
| 1           | Acyrthosiphon kondoi     | Acyrthosiphon kondoi | Bejakovich   | New Zealand |                      |                  |        |              |                 |            |            |           |      |       |     |                             |                 |                 |                    |
| 1           | Acyrthosiphon kondoi     | Acyrthosiphon kondoi | Bejakovich   | New Zealand | MC                   | Mid Canterbury   |        | Christchurch |                 | -43.516490 | 172.640699 |           |      |       |     | Alexander, B./Cliptorn, M.  |                 |                 |                    |
| 1           | Acyrthosiphon pelargonii | Acyrthosiphon malvae |              | New Zealand | WN                   | Wellington       |        | Levin        |                 | -40.621845 | 175.286588 |           | 1967 | 3     | 20  | JFP                         | Pelargonium     | Pelargonium     |                    |
| 1           | Acyrthosiphon pelargonii | Acyrthosiphon malvae |              | New Zealand |                      |                  |        |              |                 |            |            |           |      |       |     |                             | Pelargonium     | Pelargonium     |                    |
| 3           | Acyrthosiphon pisum      | Acyrthosiphon pisum  | AD Lowe      | New Zealand | MB                   | Marlborough      |        | Blenheim     | G. Neal         | -41.516457 | 173.953239 |           | 1977 | 11    | 30  | Harvey, I.C.                | Vicia faba      | Vicia faba      |                    |
| 1           | Acyrthosiphon pisum      | Acyrthosiphon pisum  |              | New Zealand | MB                   | Marlborough      |        | Blenheim     | Blind River     | -41.516457 | 173.953239 |           | 1977 | 12    | 6   | McKee                       | peas            | Pisum sativum   |                    |
| 1           | Acyrthosiphon pisum      | Acyrthosiphon pisum  |              | New Zealand | MB                   | Marlborough      |        | Blenheim     | 215 Redwood St. | -41.539445 | 173.962588 |           | 1977 | 12    | 11  | Given, B.                   |                 |                 |                    |
| 1           | Acyrthosiphon pisum      | Acyrthosiphon pisum  |              | New Zealand | MC                   | Mid Canterbury   |        | Christchurch | airport         | -43.486064 | 172.537687 |           | 1978 | 10    | 11  | Cooney, A.J.                | Medicago sativa | Medicago sativa |                    |
| 2           | Acyrthosiphon pisum      | Acyrthosiphon pisum  |              | New Zealand | WI                   | Wanganui         |        |              | Flock House     | -40.26706  | 175.282997 | 14m       | 1978 | 10    | 24  | Manson, D.C.M.              |                 |                 |                    |
| 3           | Acyrthosiphon pisum      | Acyrthosiphon pisum  |              | New Zealand | MC                   | Mid Canterbury   |        | Lincoln      | Boundary Rd     | -43.632606 | 172.484612 |           | 1978 | 12    | 1   | Stephenson, B.P.            | peas            | Pisum sativum   |                    |
| 1           | Acyrthosiphon pisum      | Acyrthosiphon pisum  |              | New Zealand | NC                   | North Canterbury |        | Amberley     |                 | -43.154697 | 172.729941 |           | 1978 | 12    | 1   | Blake, M.J.                 | peas NZ Farmers | Pisum sativum   |                    |
| 1           | Acyrthosiphon pisum      | Acyrthosiphon pisum  |              | New Zealand | WA                   | Wairarapa        |        | Masterton    |                 | -40.948949 | 175.660764 |           | 1981 | 1     | 28  | Hodder, J.                  | peas            | Pisum sativum   |                    |
| 1           | Acyrthosiphon pisum      | Acyrthosiphon pisum  | Bejakovich   | New Zealand | MC                   | Mid Canterbury   |        | Lincoln      |                 | -43.640326 | 172.483995 |           | 1996 | 4     | 16  | Bejakovich, D.              |                 |                 |                    |
| 2           | Acyrthosiphon pisum      | Acyrthosiphon pisum  | Bejakovich   | New Zealand | SC                   | South Canterbury |        | Timaru       |                 | -44.396800 | 171.250098 |           |      |       |     | Bejakovich, D.              |                 | Pisum?          | pea survey         |
| 2           | Acyrthosiphon pisum      | Acyrthosiphon pisum  | Bejakovich   | New Zealand | SC                   | South Canterbury |        | Timaru       |                 | -44.396800 | 171.250098 |           |      |       |     | Bejakovich, D.              | Pisum           | Pisum           | pea survey         |
| 2           | Acyrthosiphon pisum      | Acyrthosiphon pisum  | Bejakovich   | New Zealand | MC                   | Mid Canterbury   |        | Christchurch |                 | -43.516490 | 172.640699 |           |      |       |     | Bejakovich, D.              | Pisum           | Pisum           | pea survey         |
| 1           | Acyrthosiphon pisum      | Acyrthosiphon pisum  | Bejakovich   | New Zealand | MC                   | Mid Canterbury   |        | Leeston      |                 | -43.763763 | 172.295312 |           |      |       |     | Alexander, B./Cliptorn, M.  |                 | Pisum sativum?  | pea survey         |
| 1           | Acyrthosiphon pisum      | Acyrthosiphon pisum  | Bejakovich   | New Zealand | MC                   | Mid Canterbury   |        | Rakaia       |                 | -43.756337 | 172.025093 |           |      |       |     | Bauer, S./Pearson, H.       |                 | Pisum sativum?  | pea survey         |
| 1           | Acyrthosiphon pisum      | Acyrthosiphon pisum  |              | New Zealand | MC                   | Mid Canterbury   |        | Rakaia       |                 | -43.756337 | 172.025093 |           |      |       |     | [illegible]                 |                 | Pisum sativum?  | pea survey         |
| 1           | Acyrthosiphon pisum      | Acyrthosiphon pisum  | Bejakovich   | New Zealand | MB                   | Marlborough      |        | Seddon       |                 | -41.670009 | 174.073636 |           |      |       |     | Alexander, B./LeCrea, S.    |                 | Pisum sativum?  | pea survey         |
| 1           | Acyrthosiphon pisum      | Acyrthosiphon pisum  | Bejakovich   | New Zealand | MC                   | Mid Canterbury   |        | Tai Tapu     |                 | -43.662041 | 172.547629 |           |      |       |     | Alexander, B./Beal, K.      |                 | Pisum sativum?  | pea survey         |
| 2           | Acyrthosiphon pisum      | Acyrthosiphon pisum  | Bejakovich   | New Zealand | SC                   | South Canterbury |        | Waimate      |                 | -44.734039 | 171.046498 |           |      |       |     | Bauer S./Pearson, H.        |                 | Pisum sativum?  | pea survey         |
| 1           | Acyrthosiphon pisum      | Acyrthosiphon pisum  | Bejakovich   | New Zealand |                      |                  |        |              |                 |            |            |           |      |       |     |                             |                 | Pisum sativum?  | pea survey         |
| 1           | Acyrthosiphon pisum      | Acyrthosiphon pisum  | Bejakovich   | New Zealand | MC                   | Mid Canterbury   |        | Christchurch |                 | -43.516490 | 172.640699 |           |      |       |     | Pearson, W.D./Alexander, B. |                 | Pisum sativum?  | pea survey         |

| slide count | label det            | species            | det by      | country     | admin1 / Crosby area | admin2           | admin3       | locality     | site                 | lat        | long       | elevation | year | month | day | collector                  | label host       | stand host              | notes for database |
|-------------|----------------------|--------------------|-------------|-------------|----------------------|------------------|--------------|--------------|----------------------|------------|------------|-----------|------|-------|-----|----------------------------|------------------|-------------------------|--------------------|
| 1           | Acyrtosiphon pisum   | Acyrtosiphon pisum | Bejakovich  | New Zealand | MC                   | Mid Canterbury   |              | Christchurch |                      | -43.516490 | 172.640699 |           |      |       |     | Alexander, B./Cliptorn, M. |                  |                         |                    |
| 1           | Acyrtosiphon pisum   | Acyrtosiphon pisum | Bejakovich  | New Zealand | MC                   | Mid Canterbury   |              | Christchurch |                      | -43.516490 | 172.640699 |           |      |       |     | Alexander, B./Cliptorn, M. |                  |                         |                    |
| 1           | Aphis prob. epilobii | Aphis              |             | New Zealand | WN                   | Wellington       |              | Levin        |                      | -40.621845 | 175.286588 |           | 1967 | 2     | 20  | Ward, A.                   | Fuchsia          | Fuchsia                 |                    |
| 3           | Aphis ?gossypii      | Aphis              |             | New Zealand | AK                   | Auckland         |              | Auckland     | P.E.Q. area          | -36.847385 | 174.765735 |           | 1969 | 6     | 4   | Laurenson, J.B.            | Azalea           | Azalea                  |                    |
| 1           | Aphis                | Aphis              |             | New Zealand | NN                   | Nelson           |              |              |                      |            |            |           |      |       |     |                            | tamarillo leaves | Solanum betaceum        |                    |
| 2           | Aphis craccivora?    | Aphis              | BAS         | New Zealand | DN                   | Dunedin          |              | Invermay     |                      | -45.864196 | 170.389795 |           | 1983 | 2     | 4   | Stewart, E.                | asparagus        | Asparagus officinalis   |                    |
| 1           | Aphis craccivora     | Aphis craccivora   |             | New Zealand | WN                   | Wellington       |              | Levin        |                      | -40.621845 | 175.286588 |           | 1966 | 11    | 9   | Pritchard, J.F.            | beans            | Phaseolus               |                    |
| 2           | Aphis craccivora     | Aphis craccivora   |             | New Zealand | WN                   | Wellington       |              | Levin        | Read Street          | -40.611357 | 175.283303 |           | 1975 | 11    | 24  | Rainbow, A.F.              | Wisteria sp.     | Wisteria                |                    |
| 1           | Aphis craccivora     | Aphis craccivora   |             | New Zealand | MB                   | Marlborough      |              | Blenheim     | G. Neal              | -41.516457 | 173.953239 |           | 1977 | 11    | 30  | Harvey, I.C.               | Vicia faba       | Vicia faba              |                    |
| 1           | Aphis craccivora     | Aphis craccivora   |             | New Zealand | MB                   | Marlborough      |              | Blenheim     | 215 Redwood St.      | -41.539445 | 173.962588 |           | 1977 | 12    | 11  | Given, B.                  | broad beans      | Vicia                   |                    |
| 3           | Aphis craccivora     | Aphis craccivora   |             | New Zealand | MB                   | Marlborough      |              | Blenheim     |                      | -41.516457 | 173.953239 |           | 1978 | 11    | 28  | Morgan, C.                 | tree lucerne     | Chamaecytisus palmensis |                    |
| 1           | Aphis craccivora     | Aphis craccivora   |             | New Zealand | HB                   | Hawkes Bay       |              | Hastings     |                      | -39.643530 | 176.843195 |           | 1982 | 11    | 3   | Manson, D.C.M./Kevern, J.  | lucerne          | Medicago sativa         |                    |
| 2           | Aphis craccivora     | Aphis craccivora   |             | New Zealand | HB                   | Hawkes Bay       |              | Hastings     |                      | -39.643530 | 176.843195 |           | 1982 | 11    | 3   | Manson, D.C.M./Kevern, J.  | lucerne          | Medicago sativa         |                    |
| 1           | Aphis craccivora     | Aphis craccivora   |             | New Zealand | MC                   | Mid Canterbury   |              | Christchurch |                      | -43.516490 | 172.640699 |           |      |       |     | Bejakovich, D.             |                  | Phaseolus?              | bean survey        |
| 3           | Aphis craccivora     | Aphis craccivora   |             | New Zealand | MB                   | Marlborough      |              | Blenheim     |                      | -41.516457 | 173.953239 |           |      |       |     | O'Donnell, M.              |                  | Vicia faba?             | broad bean survey  |
| 1           | Aphis craccivora     | Aphis craccivora   | Bejakovich  | New Zealand | DN                   | Dunedin          |              | Oamaru       |                      | -45.097678 | 170.971006 |           |      |       |     | Bauer, S./Reid, N.         |                  | Pisum sativum?          | pea survey         |
| 1           | Aphis craccivora     | Aphis craccivora   | Bejakovich  | New Zealand | SC                   | South Canterbury |              | Timaru       |                      | -44.396800 | 171.250098 |           |      |       |     | Bejakovich, D.             |                  | Pisum sativum?          | pea survey         |
| 2           | Aphis gossypii       | Aphis gossypii     |             | New Zealand | WN                   | Wellington       |              | Levin        | Hort Research Centre | -40.621845 | 175.286588 |           | 1965 | 10    | 10  | Tate, K.G.                 | cucumber leaf    | Cucumis sativus         |                    |
| 1           | Aphis gossypii       | Aphis gossypii     |             | New Zealand | WN                   | Wellington       |              | Levin        | Queen St.            | -40.621493 | 175.285703 |           | 1965 | 11    | 9   | Pritchard, J.F.            | potato           | Solanum tuberosum       |                    |
| 1           | Aphis gossypii       | Aphis gossypii     |             | New Zealand | WN                   | Wellington       |              | Levin        | HRC                  | -40.653232 | 175.275183 |           | 1966 | 3     | 7   | Brier, T.O.                | cucumber         | Cucumis sativus         |                    |
| 1           | Aphis gossypii       | Aphis gossypii     |             | New Zealand | WN                   | Wellington       |              | Levin        |                      | -40.621845 | 175.286588 |           | 1966 | 4     | 12  | Ward, A.                   | moth plant       | Araujia sericifera      |                    |
| 1           | Aphis gossypii       | Aphis gossypii     |             | New Zealand | WN                   | Wellington       |              | Levin        | Queen St.            | -40.621493 | 175.285703 |           | 1966 | 9     | 27  | Pritchard, J.F.            | carrot           | Daucus carota           |                    |
| 2           | Aphis gossypii       | Aphis gossypii     |             | New Zealand | WN                   | Wellington       |              | Levin        | Queen St.            | -40.621493 | 175.285703 |           | 1966 | 11    | 1   | Pritchard, J.F.            | Cacti            |                         |                    |
| 1           | Aphis gossypii       | Aphis gossypii     | VFE         | New Zealand | WN                   | Wellington       |              | Levin        |                      | -40.621845 | 175.286588 |           | 1967 | 2     | 31  | Pritchard, J.F.            | swan plant       | Asclepias physocarpa    |                    |
| 1           | Aphis gossypii       | Aphis gossypii     | Johannesson | New Zealand | AK                   | Auckland         | Auckland     | Howick       |                      | -36.896952 | 174.928063 |           | 1975 | 12    | 19  |                            | tomato           | Solanum lycopersicum    |                    |
| 1           | Aphis gossypii       | Aphis gossypii     |             | New Zealand | MC                   | Mid Canterbury   | Christchurch | Sockburn     |                      | -43.536850 | 172.551129 |           | 1980 | 9     | 14  | Emms, L.M.                 | Cassia           | Cassia                  |                    |
| 3           | Aphis gossypii       | Aphis gossypii     |             | New Zealand | WO                   | Waikato          |              | Matangi      | Wallace              | -37.803854 | 175.395571 |           | 2001 | 4     | 4   | O'Donnell, M.              | nashi leaves     | Pyrus pyrifolia         |                    |
| 1           | Aphis gossypii       | Aphis gossypii     |             | New Zealand | WO                   | Waikato          | Ohaupo       | Sexton       |                      | -37.919128 | 175.306787 |           | 2001 | 4     | 4   | O'Donnell, M.              | nashi leaves     | Pyrus pyrifolia         |                    |
| 3           | Aphis gossypii       | Aphis gossypii     |             | New Zealand | WO                   | Waikato          |              | Cambridge    | Nicholson            | -37.891488 | 175.469740 |           | 2001 | 4     | 5   | O'Donnell, M.              | nashi leaf       | Pyrus pyrifolia         |                    |

| slide count | label det           | species            | det by          | country     | admin1 / Crosby area | admin2         | admin3       | locality         | site                             | lat        | long       | elevation | year | month | day | collector                 | label host                           | stand host             | notes for database |
|-------------|---------------------|--------------------|-----------------|-------------|----------------------|----------------|--------------|------------------|----------------------------------|------------|------------|-----------|------|-------|-----|---------------------------|--------------------------------------|------------------------|--------------------|
| 1           | Aphis gossypii      | Aphis gossypii     | D Voice 2003    | New Zealand | MC                   | Mid Canterbury | Christchurch | Templeton        |                                  | -43.552965 | 172.473152 |           |      |       |     |                           | Hebe & Podranea                      |                        |                    |
| 6           | Aphis gossypii      | Aphis gossypii     |                 | New Zealand | WI                   | Wanganui       |              | Palmerston North |                                  | -40.355746 | 175.612190 |           | 196? | 3     |     |                           | Lilium                               | Lilium                 |                    |
| 1           | Aphis gossypii      | Aphis gossypii     | Bejakovich      | New Zealand | NN                   | Nelson         |              | Nelson           |                                  | -41.270786 | 173.284000 |           |      |       |     | Britt, B.                 |                                      | Pyrus pyrifolia?       | nashi survey       |
| 1           | Aphis gossypii      | Aphis gossypii     | Bejakovich      | New Zealand |                      |                |              |                  | PEQ Food and Crop                |            |            |           |      |       |     |                           | Arracacia xanthorrhiza               | Arracacia xanthorrhiza |                    |
| 1           | Aphis gossypii      | Aphis gossypii     | Bejakovich      | New Zealand | MC                   | Mid Canterbury |              | Kaipoi           |                                  | -43.383284 | 172.653642 |           |      |       |     | Blay, J.                  | cut flowers                          |                        |                    |
| 1           | Aphis gossypii      | Aphis gossypii     | D Voice 2003    | New Zealand |                      |                |              |                  | PEQ                              |            |            |           |      |       |     |                           | Malus budwood                        | Malus                  |                    |
| 1           | Aphis gossypii      | Aphis gossypii     |                 | New Zealand |                      |                |              |                  | PEQ Food Crop                    |            |            |           |      |       |     |                           | Melalasia (Asteraceae, South Africa) |                        |                    |
| 2           | Aphis gossypii      | Aphis gossypii     | Bejakovich      | New Zealand | MC                   | Mid Canterbury |              | Ladbrooks        |                                  | -43.617209 | 172.532146 |           |      |       |     |                           | oriental lily                        |                        |                    |
| 1           | Aphis gossypii      | Aphis gossypii     | Bejakovich      | New Zealand | WI                   | Wanganui       |              | Wanganui         |                                  | -39.932505 | 175.038504 |           |      |       |     | Caprenter, A.             | roses                                | Rosa                   |                    |
| 5           | Aphis gossypii      | Aphis gossypii     | Bejakovich      | New Zealand | TK                   | Taranaki       |              | Omata            |                                  | -39.093957 | 174.020440 |           |      |       |     | Braithwaite, M.           | Tamarillo leaves                     | Solanum betaceum       |                    |
| 4           | Aphis gossypii      | Aphis gossypii     | Bejakovich      | New Zealand | BP                   | Bay of Plenty  |              | Opotiki          |                                  | -38.004206 | 177.287115 |           |      |       |     |                           | Tamarillo leaves                     | Solanum betaceum       |                    |
| 2           | Aphis gossypii      | Aphis gossypii     | M. O'Donnell    | New Zealand | NN                   | Nelson         |              |                  |                                  |            |            |           |      |       |     |                           | Tamarillo leaves                     | Solanum betaceum       |                    |
| 2           | Aphis gossypii      | Aphis gossypii     | M. O'Donnell    | New Zealand | NN                   | Nelson         |              |                  |                                  |            |            |           |      |       |     |                           | Tamarillo leaves                     | Solanum betaceum       |                    |
| 1           | Aphis gossypii      | Aphis gossypii     | Bejakovich      | New Zealand | NN                   | Nelson         |              |                  |                                  |            |            |           |      |       |     | Alexander, B./Westley, A. | Tamarillo, on leaf                   | Solanum betaceum       |                    |
| 1           | Aphis hederae       | Aphis hederae      | CM Morales 1990 | New Zealand | AK                   | Auckland       |              | Glen Eden        |                                  | -36.913033 | 174.644630 |           | 1990 | 11    | 22  | Martin, N.                | Hedera                               | Hedera                 |                    |
| 2           | Aphis nerii         | Aphis nerii        |                 | New Zealand | WN                   | Wellington     |              | Levin            | Edinburgh St.                    | -40.612936 | 175.281971 |           | 1967 | 2     | 22  | Duguid                    | swan plant                           | Asclepias physocarpa   |                    |
| 1           | Aphis nerii         | Aphis nerii        | Bejakovich      | New Zealand | NN                   | Nelson         |              | Hope             |                                  | -41.351267 | 173.158484 |           |      |       |     | O'Donnell, M.             |                                      | Actinidia deliciosa?   | kiwifruit survey   |
| 1           | Aphis spiraecola    | Aphis spiraecola   |                 | New Zealand | WN                   | Wellington     |              | Levin            |                                  | -40.621845 | 175.286588 |           | 1978 | 10    | 3   | Hedland, N.               | apple leaf                           | Malus pumila           |                    |
| 1           | Aphis spiraecola    | Aphis spiraecola   |                 | New Zealand | WN                   | Wellington     |              | Levin            |                                  | -40.621845 | 175.286588 |           | 1979 | 10    | 19  | Davey, K.                 | yellow water trap                    |                        |                    |
| 1           | Aploneura           | Aploneura          |                 | New Zealand | NN                   | Nelson         |              | Nelson           |                                  | -41.270786 | 173.284000 |           | 1976 | 9     | 27  | Mulligan, P.E.            | soil around Armeniaca vulgaris       |                        |                    |
| 1           | Aploneura lentisci  | Aploneura lentisci | Deitz 1978      | New Zealand | AK                   | Auckland       |              | Mangere          |                                  | -36.968370 | 174.798524 |           | 1978 | 11    | 16  | Duder, R.                 | mangere ryegrass & soil              |                        |                    |
| 1           | Aploneura lentisci  | Aploneura lentisci |                 | New Zealand | MC                   | Mid Canterbury |              | Darfield         | IRD                              | -43.489370 | 172.108998 |           | 1984 | 5     | 3   | Read, I.                  | near roots of Trifolium              |                        |                    |
| 1           | Aploneura lentisci  | Aploneura lentisci |                 | New Zealand | DN                   | Dunedin        |              | Invermay         | Invermay Res. Centre, glasshouse | -45.864196 | 170.389795 |           | 1986 | 4     | 28  | Keoghan, J.               | roots of Matua prairie grass         | Bromus                 |                    |
| 1           | Aploneura lentisci  | Aploneura lentisci | Bejakovich      | New Zealand | HB                   | Hawkes Bay     |              |                  |                                  |            |            |           |      |       |     |                           | jap plum                             | Prunus salicina        |                    |
| 1           | Aploneura lentisci  | Aploneura lentisci |                 | New Zealand |                      |                |              |                  |                                  |            |            |           |      |       |     |                           | roots of nursery plants              |                        |                    |
| 1           | Aulacorthum solani  | Aulacorthum solani | VFE             | New Zealand | WN                   | Wellington     |              | Otaki            |                                  | -40.757787 | 175.152441 |           | 1963 | 11    | 1   |                           | trap                                 |                        |                    |
| 1           | Acyrtosiphon solani | Aulacorthum solani |                 | New Zealand | WN                   | Wellington     |              | Otaki            |                                  | -40.757787 | 175.152441 |           | 1963 | 11    | 7   | Waters, R.A.S.            | trap                                 |                        |                    |
| 1           | Acyrtosiphon solani | Aulacorthum solani |                 | New Zealand | WN                   | Wellington     |              | Levin            |                                  | -40.621845 | 175.286588 |           | 1965 | 10    | 25  | Pritchard, J.F.           | beans                                | Phaseolus              |                    |

| slide count | label det           | species            | det by                  | country     | admin1 / Crosby area | admin2         | admin3       | locality     | site                      | lat        | long       | elevation | year | month | day | collector                         | label host                  | stand host           | notes for database |
|-------------|---------------------|--------------------|-------------------------|-------------|----------------------|----------------|--------------|--------------|---------------------------|------------|------------|-----------|------|-------|-----|-----------------------------------|-----------------------------|----------------------|--------------------|
| 1           | Acyrtosiphon solani | Aulacorthum solani |                         | New Zealand | WO                   | Waikato        |              | Te Kauwhata  |                           | -37.404791 | 175.143073 |           | 1965 | 10    | 25  | Manson, D.C.M.                    | netted from grass and weeds |                      |                    |
| 1           | Acyrtosiphon solani | Aulacorthum solani |                         | New Zealand | WN                   | Wellington     |              | Levin        | Queen St.                 | -40.621493 | 175.285703 |           | 1965 | 11    | 9   | Pritchard, J.F.                   | potato                      | Solanum tuberosum    |                    |
| 3           | Acyrtosiphon solani | Aulacorthum solani |                         | New Zealand | WN                   | Wellington     |              | Levin        | Queen St.                 | -40.621493 | 175.285703 |           | 1965 | 11    | 29  | Pritchard, J.F.                   | potato                      | Solanum tuberosum    |                    |
| 1           | Acyrtosiphon solani | Aulacorthum solani |                         | New Zealand | WN                   | Wellington     |              | Levin        | Tatum Pk                  | -40.621845 | 175.286588 |           | 1966 | 2     | 17  | Powell, R.H.                      |                             |                      |                    |
| 1           | Acyrtosiphon solani | Aulacorthum solani |                         | New Zealand | WN                   | Wellington     |              | Levin        | Gladstone Rd.             | -40.658439 | 175.346462 |           | 1966 | 3     | 29  | Pritchard, J.F.                   | Coprosma sp.                | Coprosma             |                    |
| 1           | Acyrtosiphon solani | Aulacorthum solani |                         | New Zealand | WN                   | Wellington     |              | Levin        | Papatonga Lake Reserve    | -40.645206 | 175.230596 |           | 1966 | 8     | 7   | Ward, A.                          | grass                       |                      |                    |
| 1           | Acyrtosiphon solani | Aulacorthum solani |                         | New Zealand | WN                   | Wellington     |              | Levin        | Queen St.                 | -40.621493 | 175.285703 |           | 1966 | 8     | 22  | Pritchard, J.F.                   | rose                        | Rosa                 |                    |
| 2           | Acyrtosiphon solani | Aulacorthum solani |                         | New Zealand | WN                   | Wellington     |              | Levin        | 17 Queen St.              | -40.621493 | 175.285703 |           | 1966 | 9     | 30  | Pritchard, J.F.                   | cacti leaves                |                      |                    |
| 1           | Acyrtosiphon solani | Aulacorthum solani |                         | New Zealand | WN                   | Wellington     |              | Levin        | 17 Queen St.              | -40.621493 | 175.285703 |           | 1966 | 9     | 30  | Pritchard, J.F.                   | geranium leaves             | Geranium             |                    |
| 2           | Acyrtosiphon solani | Aulacorthum solani |                         | New Zealand | WN                   | Wellington     |              | Levin        | 17 Queen St.              | -40.621493 | 175.285703 |           | 1966 | 10    | 11  | Pritchard, J.F.                   | Rosa sp.                    | Rosa                 |                    |
| 1           | Acyrtosiphon solani | Aulacorthum solani |                         | New Zealand | WN                   | Wellington     |              | Levin        | Queen St.                 | -40.621493 | 175.285703 |           | 1966 | 10    | 26  | Pritchard, J.F.                   | fern                        |                      |                    |
| 1           | Acyrtosiphon solani | Aulacorthum solani |                         | New Zealand | WN                   | Wellington     |              | Levin        |                           | -40.621845 | 175.286588 |           | 1966 | 11    | 9   | Pritchard, J.F.                   | beans                       | Phaseolus            |                    |
| 2           | Acyrtosiphon solani | Aulacorthum solani |                         | New Zealand |                      |                |              |              |                           |            |            |           | 1966 | 11    | 9   | Strickett, J.H.                   | stawberries                 | Fragaria             |                    |
| 1           | Acyrtosiphon solani | Aulacorthum solani |                         | New Zealand | AK                   | Auckland       |              | Auckland     |                           | -36.847385 | 174.765735 |           | 1966 | 11    | 13  | Carrick, A.                       | strawberries                | Fragaria             |                    |
| 1           | Acyrtosiphon solani | Aulacorthum solani |                         | New Zealand | WN                   | Wellington     |              | Levin        |                           | -40.621845 | 175.286588 |           | 1967 | 3     | 13  | Meddings, S.                      | geranium                    | Geranium             |                    |
| 1           | Aulacorthum solani  | Aulacorthum solani |                         | New Zealand | AK                   | Auckland       |              | Auckland     | greenhouse                | -36.847385 | 174.765735 |           | 1975 | 10    | 16  | Johannesson, J.M.                 | Nicotiana tabacum           | Nicotiana tabacum    |                    |
| 1           | Acyrtosiphon solani | Aulacorthum solani |                         | New Zealand | WN                   | Wellington     |              | Levin        | 17 Kent St.               | -40.624147 | 175.289299 |           | 1976 | 11    | 2   | Keall, J.B.                       |                             |                      |                    |
| 1           | Acyrtosiphon solani | Aulacorthum solani |                         | New Zealand | WA                   | Wairarapa      |              | Masterton    |                           | -40.948949 | 175.660764 |           | 1977 | 2     | 4   |                                   | wind trap                   |                      |                    |
| 2           | Acyrtosiphon solani | Aulacorthum solani |                         | New Zealand | AK                   | Auckland       |              | Pukekohe     |                           | -37.200630 | 174.903626 |           | 1977 | 10    | 26  | Hessies, S.M.                     | artichoke                   | Cynara cardunculus   |                    |
| 1           | Acyrtosiphon solani | Aulacorthum solani |                         | New Zealand | AK                   | Auckland       |              | Albany       |                           | -36.727033 | 174.698032 |           | 1977 | 10    | 31  | Burton, J.L.                      | strawberry                  | Fragaria             |                    |
| 1           | Aulacorthum solani  | Aulacorthum solani | [det questioned by VFE] | New Zealand | MC                   | Mid Canterbury |              | Lincoln      | DSIR                      | -43.640512 | 172.475017 |           | 1977 | 12    | 15  | Burt, E.                          | Lupinus arboreus            | Lupinus arboreus     |                    |
| 1           | Aulacorthum solani  | Aulacorthum solani | AD Lowe                 | New Zealand | MC                   | Mid Canterbury |              | Lincoln      | Lincoln College, house 51 | -43.645287 | 172.462042 |           | 1977 | 12    | 21  | Youngman, R.                      | Lactuca sativa              | Lactuca sativa       |                    |
| 1           | Acyrtosiphon solani | Aulacorthum solani |                         | New Zealand |                      |                |              |              |                           |            |            |           | 1978 | 10    | 2   | Rump, N.M.                        | indoor plant                |                      |                    |
| 1           | Aulacorthum solani  | Aulacorthum solani |                         | New Zealand | MC                   | Mid Canterbury |              | Christchurch | Prestons Road             | -43.474781 | 172.646680 |           | 1978 | 10    | 25  | Stephenson, B.P./Somerfield, K.G. |                             |                      |                    |
| 3           | Aulacorthum solani  | Aulacorthum solani |                         | New Zealand | MC                   | Mid Canterbury |              | Ashburton    | property of P. Bonifont   | -43.902496 | 171.749326 |           | 1978 | 11    | 22  | Stephenson, B.P.                  | yarrow in asparagus patch   | Achillea millefolium |                    |
| 1           | Aulacorthum solani  | Aulacorthum solani |                         | New Zealand | MC                   | Mid Canterbury | Christchurch | Templeton    |                           | -43.552965 | 172.473152 |           | 1980 | 5     | 13  |                                   | sugar beet                  | Beta vulgaris        |                    |
| 3           | Aulacorthum solani  | Aulacorthum solani |                         | New Zealand | MC                   | Mid Canterbury |              | Lincoln      | property of D.A. Adams    | -43.640326 | 172.483995 |           | 1980 | 8     | 5   |                                   | lettuce                     | Lactuca sativa       |                    |
| 1           | Aulacorthum solani  | Aulacorthum solani |                         | New Zealand | MC                   | Mid Canterbury | Christchurch | Sockburn     |                           | -43.536850 | 172.551129 |           | 1980 | 9     | 14  |                                   |                             |                      |                    |

| slide count | label det                     | species                       | det by     | country     | admin1 / Crosby area | admin2           | admin3 | locality   | site                    | lat        | long       | elevation | year | month | day | collector               | label host               | stand host            | notes for database |
|-------------|-------------------------------|-------------------------------|------------|-------------|----------------------|------------------|--------|------------|-------------------------|------------|------------|-----------|------|-------|-----|-------------------------|--------------------------|-----------------------|--------------------|
| 2           | Aulacorthum solani            | Aulacorthum solani            | Bejakovich | New Zealand | MB                   | Marlborough      |        | Blenheim   |                         | -41.516457 | 173.953239 |           |      |       |     | O'Donnell, M.           |                          | Vicia faba?           | broad bean survey  |
| 1           | Aulacorthum solani            | Aulacorthum solani            | Bejakovich | New Zealand | BP                   | Bay of Plenty    |        |            |                         |            |            |           |      |       |     | Holder, P./Hartely, M.  |                          | Actinidia deliciosa?  | kiwifruit survey   |
| 1           | Aulacorthum solani            | Aulacorthum solani            | Bejakovich | New Zealand | SL                   | Southland        |        | Otama      |                         | -36.706002 | 175.766291 |           |      |       |     | Braithwaite, M.         |                          | Pisum sativum?        | pea survey         |
| 1           | Aulacorthum solani            | Aulacorthum solani            | Bejakovich | New Zealand | SC                   | South Canterbury |        | Temuka     |                         | -44.241822 | 171.282068 |           |      |       |     | Bejakovich, D.          |                          | Pisum sativum?        | pea survey         |
| 3           | Aulacorthum solani            | Aulacorthum solani            | Bejakovich | New Zealand | SC                   | South Canterbury |        | Timaru     |                         | -44.396800 | 171.250098 |           |      |       |     | Bejakovich, D.          |                          | Pisum sativum?        | pea survey         |
| 1           | Aulacorthum solani            | Aulacorthum solani            | Bejakovich | New Zealand | SC                   | South Canterbury |        | Timaru     |                         | -44.396800 | 171.250098 |           |      |       |     | Bejakovich, D.          |                          | Pisum sativum?        | pea survey         |
| 2           | Aulacorthum solani            | Aulacorthum solani            | Bejakovich | New Zealand | SC                   | South Canterbury |        | Timaru     |                         | -44.396800 | 171.250098 |           |      |       |     | Bejakovich, D.          |                          | Pisum sativum?        | pea survey         |
| 1           | Aulacorthum solani            | Aulacorthum solani            | Bejakovich | New Zealand | SC                   | South Canterbury |        | Waimate    |                         | -44.734039 | 171.046498 |           |      |       |     | Bauer, S./Reid, N.      |                          | Pisum sativum?        | pea survey         |
| 1           | Aulacorthum solani            | Aulacorthum solani            |            | New Zealand | BP                   | Bay of Plenty    |        |            |                         |            |            |           |      |       |     |                         | kiwifruit on leaves      | Actinidia deliciosa   | subtropical survey |
| 1           | Aulacorthum solani            | Aulacorthum solani            |            | New Zealand |                      |                  |        |            |                         |            |            |           |      |       |     |                         | avocado                  | Persea                |                    |
| 1           | Aulacorthum solani            | Aulacorthum solani            | Bejakovich | New Zealand | NN                   | Nelson           |        |            |                         |            |            |           |      |       |     |                         | kiwi leaf                | Actinidia deliciosa   |                    |
| 3           | Aulacorthum solani            | Aulacorthum solani            | Bejakovich | New Zealand | BP                   | Bay of Plenty    |        |            |                         |            |            |           |      |       |     |                         | kiwi leaf                | Actinidia deliciosa   |                    |
| 2           | Aulacorthum solani            | Aulacorthum solani            | Bejakovich | New Zealand | BP                   | Bay of Plenty    |        |            |                         |            |            |           |      |       |     |                         | kiwi leaf                | Actinidia deliciosa   |                    |
| 1           | Aulacorthum solani            | Aulacorthum solani            |            | New Zealand | WO                   | Waikato          |        |            |                         |            |            |           |      |       |     |                         | kiwi leaves              | Actinidia deliciosa   |                    |
| 1           | Aulacorthum sp. prob. solani  | Aulacorthum solani            |            | New Zealand |                      |                  |        |            |                         |            |            |           |      |       |     |                         | Pelargonium              | Pelargonium           |                    |
| 1           | Acyrtosiphon solani           | Aulacorthum solani            |            | New Zealand |                      |                  |        |            |                         |            |            |           |      |       |     |                         | Sonchus sp.              | Sonchus               |                    |
| 1           | Aulacorthum solani?           | Aulacorthum solani            |            | New Zealand | MC                   | Mid Canterbury   |        | Yaldhurst  | Ewing                   | -43.512607 | 172.508863 |           |      |       |     | Stephenson, B.P.        | strawberries             | Fragaria              |                    |
| 1           | Aulacorthum solani            | Aulacorthum solani            |            | New Zealand | NN                   | Nelson           |        |            |                         |            |            |           |      |       |     |                         | tamarillo foliage        | Solanum betaceum      |                    |
| 2           | Aulacorthum solani            | Aulacorthum solani            | MOD        | New Zealand |                      |                  |        |            |                         |            |            |           |      |       |     |                         |                          |                       |                    |
| 1           | Aulacorthum solani            | Aulacorthum solani            |            | New Zealand |                      |                  |        |            |                         |            |            |           |      |       |     |                         |                          |                       |                    |
| 1           | Aulacorthum solani            | Aulacorthum solani            |            | New Zealand |                      |                  |        |            |                         |            |            |           |      |       |     |                         |                          |                       |                    |
| 1           | Betulaphis quadrituberculatus | Betulaphis quadrituberculatus |            | New Zealand | WN                   | Wellington       |        | Levin      |                         | -40.621845 | 175.286588 |           | 1966 | 11    | 15  | Morrison, L.G.          | silver birch             | Betula pendula        |                    |
| 1           | Brachycaudus helichrysi       | Brachycaudus helichrysi       |            | New Zealand | WN                   | Wellington       |        | Levin      | Gladstone Rd.           | -40.658439 | 175.346462 |           | 1966 | 3     | 29  | Pritchard, J.F.         | Coprosma sp.             | Coprosma              |                    |
| 1           | Brachycaudus helichrysi       | Brachycaudus helichrysi       |            | New Zealand | WN                   | Wellington       |        | Levin      |                         | -40.621845 | 175.286588 |           | 1966 | 8     | 29  | Meddings, S.            | rose                     | Rosa                  |                    |
| 1           | Brachycaudus helichrysi       | Brachycaudus helichrysi       |            | New Zealand | WN                   | Wellington       |        | Otaki      |                         | -40.757787 | 175.152441 |           | 1967 | 4     | 17  | Morrison, L.G.          | Chrysanthemum for export | Chrysanthemum         |                    |
| 1           | Brachycaudus helichrysi       | Brachycaudus helichrysi       |            | New Zealand | CO                   | Central Otago    |        | Roxburgh   |                         | -45.539919 | 169.313904 |           | 1977 | 9     | 10  | Brown, C./O'Donnell, M. | beaten ex European plum  | Prunus                |                    |
| 2           | Brachycaudus helichrysi       | Brachycaudus helichrysi       |            | New Zealand | MC                   | Mid Canterbury   |        | Lincoln    | DSIR                    | -43.640512 | 172.475017 |           | 1977 | 12    | 15  | Burt, E.S.              | Lupinus arboreus         | Lupinus arboreus      |                    |
| 1           | Brachycaudus helichrysi       | Brachycaudus helichrysi       |            | New Zealand | WN                   | Wellington       |        | Wellington |                         | -41.286480 | 174.776217 |           | 1978 | 10    | 28  | Mole, R.H.              | Myosotidium hartensia    | Myosotidium hartensia |                    |
| 1           | Brachycaudus helichrysi       | Brachycaudus helichrysi       |            | New Zealand | MC                   | Mid Canterbury   |        | Ashburton  | property of P. Bonifont | -43.902496 | 171.749326 |           | 1978 | 11    | 22  | Stephenson, B.P.        | thistles in asparagus    |                       |                    |



| slide count | label det               | species                 | det by      | country     | admin1 / Crosby area | admin2         | admin3       | locality  | site                    | lat        | long       | elevation | year | month | day | collector           | label host                                | stand host           | notes for database |
|-------------|-------------------------|-------------------------|-------------|-------------|----------------------|----------------|--------------|-----------|-------------------------|------------|------------|-----------|------|-------|-----|---------------------|-------------------------------------------|----------------------|--------------------|
| 1           | Brachycaudus helichrysi | Brachycaudus helichrysi |             | New Zealand | MC                   | Mid Canterbury |              | Ashburton | property of P. Bonifont | -43.902496 | 171.749326 |           | 1978 | 11    | 22  | Stephenson, B.P.    | yarrow in asparagus patch                 | Achillea millefolium |                    |
| 1           | Brachycaudus helichrysi | Brachycaudus helichrysi |             | New Zealand | MC                   | Mid Canterbury | Christchurch | Sockburn  |                         | -43.536850 | 172.551129 |           | 1980 | 9     | 14  | Emms, L.M.          | Hebe                                      | Hebe                 |                    |
| 1           | Brachycaudus helichrysi | Brachycaudus helichrysi |             | New Zealand | TK                   | Taranaki       |              | Hawera    |                         | -39.593354 | 174.278291 |           | 1983 | 10    | 26  | Dykes, W.           | Olearia                                   | Olearia              |                    |
| 1           | Brachycaudus helichrysi | Brachycaudus helichrysi |             | New Zealand | DN                   | Dunedin        |              | Dunedin   | Botanic Gardens         | -45.857664 | 170.520988 |           | 1985 | 12    | 4   | Evans, A.C.         | leaves of Senecio hectori x perdiocioides | Senecio              |                    |
| 1           | Brachycaudus helichrysi | Brachycaudus helichrysi |             | New Zealand | CO                   | Central Otago  |              |           |                         |            |            |           | 1997 | 9     | 24  |                     | nectarine, beat sample off budwood        | Prunus persica       |                    |
| 4           | Brachycaudus helichrysi | Brachycaudus helichrysi | M O'Donnell | New Zealand | NN                   | Nelson         |              |           |                         |            |            |           | 1997 | 12    | 17  |                     | jap plum                                  | Prunus salicina      |                    |
| 1           | Brachycaudus helichrysi | Brachycaudus helichrysi |             | New Zealand | CO                   | Central Otago  |              |           |                         |            |            |           | 1997 |       |     |                     | peach                                     | Prunus persica       |                    |
| 1           | Brachycaudus helichrysi | Brachycaudus helichrysi |             | New Zealand | MB                   | Marlborough    |              |           |                         |            |            |           |      |       |     |                     | apricot                                   | Prunus armenica      |                    |
| 2           | Brachycaudus helichrysi | Brachycaudus helichrysi |             | New Zealand | CO                   | Central Otago  |              |           |                         |            |            |           |      |       |     |                     | apricot                                   | Prunus armenica      |                    |
| 1           | Brachycaudus helichrysi | Brachycaudus helichrysi |             | New Zealand |                      |                |              |           |                         |            |            |           |      |       |     |                     | Chrysanthemum                             | Chrysanthemum        |                    |
| 1           | Brachycaudus helichrysi | Brachycaudus helichrysi | M O'Donnell | New Zealand |                      |                |              |           |                         |            |            |           |      |       |     |                     | nect                                      | Prunus persica       |                    |
| 1           | Brachycaudus helichrysi | Brachycaudus helichrysi | M O'Donnell | New Zealand | MC                   | Mid Canterbury |              |           |                         |            |            |           |      |       |     |                     | nect                                      | Prunus persica       |                    |
| 1           | Brachycaudus helichrysi | Brachycaudus helichrysi |             | New Zealand | CO                   | Central Otago  |              |           |                         |            |            |           |      |       |     |                     | nectarine                                 | Prunus persica       |                    |
| 1           | Brachycaudus helichrysi | Brachycaudus helichrysi | M O'Donnell | New Zealand | WA                   | Wairarapa      |              |           |                         |            |            |           |      |       |     |                     | nectarine, on foliage                     | Prunus persica       |                    |
| 1           | Brachycaudus helichrysi | Brachycaudus helichrysi |             | New Zealand | HB                   | Hawkes Bay     |              |           |                         |            |            |           |      |       |     |                     | peach                                     | Prunus persica       |                    |
| 1           | Brachycaudus helichrysi | Brachycaudus helichrysi | M O'Donnell | New Zealand | HB                   | Hawkes Bay     |              |           |                         |            |            |           |      |       |     |                     | peach, beat sample                        | Prunus persica       |                    |
| 5           | Brachycaudus helichrysi | Brachycaudus helichrysi | M O'Donnell | New Zealand | MC                   | Mid Canterbury |              |           |                         |            |            |           |      |       |     |                     | plum                                      | Prunus               |                    |
| 3           | Brachycaudus helichrysi | Brachycaudus helichrysi | Bejakovich  | New Zealand | CO                   | Central Otago  |              | Alexandra |                         | -45.251666 | 169.388507 |           |      |       |     | McLaren, G.         | plum                                      | Prunus               |                    |
| 6           | Brachycaudus helichrysi | Brachycaudus helichrysi | M O'Donnell | New Zealand | CO                   | Central Otago  |              |           |                         |            |            |           |      |       |     |                     | plum domestic                             | Prunus               |                    |
| 1           | Brachycaudus helichrysi | Brachycaudus helichrysi | M O'Donnell | New Zealand | WN                   | Wellington     |              |           |                         |            |            |           |      |       |     |                     | plum foliage                              | Prunus               |                    |
| 2           | Brachycaudus helichrysi | Brachycaudus helichrysi | M O'Donnell | New Zealand | WA                   | Wairarapa      |              |           |                         |            |            |           |      |       |     |                     | plum foliage                              | Prunus               |                    |
| 3           | Brachycaudus helichrysi | Brachycaudus helichrysi | M O'Donnell | New Zealand |                      |                |              |           |                         |            |            |           |      |       |     |                     | plum, foliage                             | Prunus               |                    |
| 2           | Brachycaudus helichrysi | Brachycaudus helichrysi |             | New Zealand |                      |                |              |           |                         |            |            |           |      |       |     |                     |                                           |                      |                    |
| 2           | Brachycaudus persicae   | Brachycaudus persicae   |             | New Zealand | WN                   | Wellington     |              | Levin     | Queen St.               | -40.621493 | 175.285703 |           | 1965 | 10    | 6   | Pritchard, J.F.     |                                           |                      |                    |
| 1           | Brachycaudus persicae   | Brachycaudus persicae   |             | New Zealand | MC                   | Mid Canterbury |              | Ashburton | property of P. Bonifont | -43.902496 | 171.749326 |           | 1978 | 11    | 22  | Stephenson, B.P.    | thistles in asparagus patch               |                      |                    |
| 1           | Brachycaudus persicae   | Brachycaudus persicae   | M O'Donnell | New Zealand | CO                   | Central Otago  |              |           |                         |            |            |           | 1997 | 9     | 24  | Pearson, H.         | nectarine, beaten off budsticks           | Prunus persica       |                    |
| 1           | Brachycaudus persicae   | Brachycaudus persicae   |             | New Zealand | CO                   | Central Otago  |              | Alexandra |                         | -45.251666 | 169.388507 |           | 1997 | 10    | 5   | Adams, R./Brown, C. | nectarine                                 | Prunus persica       |                    |

| slide count | label det             | species               | det by      | country     | admin1 / Crosby area | admin2         | admin3       | locality     | site               | lat        | long       | elevation | year | month | day | collector                | label host             | stand host        | notes for database |
|-------------|-----------------------|-----------------------|-------------|-------------|----------------------|----------------|--------------|--------------|--------------------|------------|------------|-----------|------|-------|-----|--------------------------|------------------------|-------------------|--------------------|
| 1           | Brachycaudus persicae | Brachycaudus persicae |             | New Zealand |                      |                |              |              |                    |            |            |           | 1997 | 11    | 25  |                          | peach from branch base | Prunus persica    |                    |
| 1           | Brachycaudus persicae | Brachycaudus persicae | M O'Donnell | New Zealand | MB                   | Marlborough    |              |              |                    |            |            |           |      |       |     |                          | apricot foliage        | Prunus armenica   |                    |
| 1           | Brachycaudus persicae | Brachycaudus persicae | M O'Donnell | New Zealand | CO                   | Central Otago  |              |              |                    |            |            |           |      |       |     |                          | apricot leaves         | Prunus armenica   |                    |
| 1           | Brachycaudus persicae | Brachycaudus persicae |             | New Zealand |                      |                |              |              |                    |            |            |           |      |       |     | PH/CB 9/12               | apricot leaves         | Prunus armenica   |                    |
| 1           | Brachycaudus persicae | Brachycaudus persicae |             | New Zealand |                      |                |              |              |                    |            |            |           |      |       |     |                          | beat sample            |                   |                    |
| 1           | Brachycaudus persicae | Brachycaudus persicae |             | New Zealand | CO                   | Central Otago  |              |              |                    |            |            |           |      |       |     |                          | jap plum foliage       | Prunus salicina   |                    |
| 1           | Brachycaudus persicae | Brachycaudus persicae | M O'Donnell | New Zealand | WA                   | Wairarapa      |              |              |                    |            |            |           |      |       |     |                          | nectarine foliage      | Prunus persica    |                    |
| 1           | Brachycaudus persicae | Brachycaudus persicae |             | New Zealand | WA                   | Wairarapa      |              |              |                    |            |            |           |      |       |     |                          | nectarine foliage      | Prunus persica    |                    |
| 1           | Brachycaudus persicae | Brachycaudus persicae | M O'Donnell | New Zealand | CO                   | Central Otago  |              |              |                    |            |            |           |      |       |     |                          | peach                  | Prunus persica    |                    |
| 1           | Brachycaudus persicae | Brachycaudus persicae |             | New Zealand | MB                   | Marlborough    |              |              |                    |            |            |           |      |       |     |                          | peach beat sample      | Prunus persica    |                    |
| 1           | Brachycaudus persicae | Brachycaudus persicae |             | New Zealand | HB                   | Hawkes Bay     |              |              |                    |            |            |           |      |       |     |                          | peach leaves           | Prunus persica    |                    |
| 1           | Brachycaudus persicae | Brachycaudus persicae |             | New Zealand | HB                   | Hawkes Bay     |              |              |                    |            |            |           |      |       |     |                          | peach leaves           | Prunus persica    |                    |
| 1           | Brachycaudus persicae | Brachycaudus persicae |             | New Zealand |                      |                |              |              |                    |            |            |           |      |       |     |                          | plum foliage           | Prunus            |                    |
| 1           | Brachycaudus persicae | Brachycaudus persicae |             | New Zealand | CO                   | Central Otago  |              |              |                    |            |            |           |      |       |     |                          |                        |                   |                    |
| 1           | Brachycaudus persicae | Brachycaudus persicae |             | New Zealand |                      |                |              |              |                    |            |            |           |      |       |     |                          |                        |                   |                    |
| 1           | Brachycaudus persicae | Brachycaudus persicae |             | New Zealand |                      |                |              |              |                    |            |            |           |      |       |     |                          |                        |                   |                    |
| 1           | Brachycaudus persicae | Brachycaudus persicae |             | New Zealand | MB                   | Marlborough    |              |              |                    |            |            |           |      |       |     |                          |                        |                   |                    |
| 1           | Brachycaudus persicae | Brachycaudus persicae | M O'Donnell | New Zealand | MC                   | Mid Canterbury |              |              |                    |            |            |           |      |       |     |                          |                        |                   |                    |
| 3           | Brachycaudus persicae | Brachycaudus persicae | M O'Donnell | New Zealand | HB                   | Hawkes Bay     |              |              |                    |            |            |           |      |       |     | O'Donnell, M.            |                        |                   |                    |
| 1           | Brevicoryne brassicae | Brevicoryne brassicae |             | New Zealand | WN                   | Wellington     |              | Levin        | HRC                | -40.653232 | 175.275183 |           | 1966 | 8     | 17  | Pritchard, J.F.          | brussel sprouts        | Brassica oleracea |                    |
| 2           | Brevicoryne brassicae | Brevicoryne brassicae |             | New Zealand | WN                   | Wellington     |              | Levin        |                    | -40.621845 | 175.286588 |           | 1966 | 10    | 26  | Roxburgh, N.             |                        |                   |                    |
| 2           | Brevicoryne brassicae | Brevicoryne brassicae |             | New Zealand | WN                   | Wellington     |              | Levin        |                    | -40.621845 | 175.286588 |           | 1976 | 3     | 10  |                          | cabbage                | Brassica oleracea |                    |
| 2           | Brevicoryne brassicae | Brevicoryne brassicae |             | New Zealand |                      |                |              |              |                    |            |            |           | 1976 | 6     | 10  | Longhurst, D.            | brussel sprouts        | Brasscia oleracea |                    |
| 5           | Brevicoryne brassicae | Brevicoryne brassicae |             | New Zealand | MC                   | Mid Canterbury |              | Christchurch | Franks' Russley Rd | -43.499883 | 172.546293 |           | 1978 | 3     | 22  |                          |                        |                   |                    |
| 1           | Brevicoryne brassicae | Brevicoryne brassicae | BPS         | New Zealand | MC                   | Mid Canterbury | Christchurch | Templeton    | MAF Research Div   | -43.552965 | 172.473152 |           | 1979 | 11    | 13  | Goldson, S./Pearson, J.  |                        |                   |                    |
| 3           | Brevicoryne brassicae | Brevicoryne brassicae |             | New Zealand |                      |                |              |              |                    |            |            |           | 1997 | 3     | 4   |                          | cabbages               | Brassica oleracea |                    |
| 1           | Brevicoryne brassicae | Brevicoryne brassicae | Bejakovich  | New Zealand | MC                   | Mid Canterbury | Christchurch | Marshlands   |                    | -43.479954 | 172.659996 |           | 199? | 4     | 11  |                          |                        |                   |                    |
| 1           | Brevicoryne brassicae | Brevicoryne brassicae | Bejakovich  | New Zealand | MB                   | Marlborough    |              | Blenheim     |                    | -41.516457 | 173.953239 |           |      |       |     | Alexander, B./LeCrea, S. |                        | Phaseolus?        | bean survey        |
| 1           | Brevicoryne brassicae | Brevicoryne brassicae | Bejakovich  | New Zealand | MC                   | Mid Canterbury |              | Christchurch |                    | -43.516490 | 172.640699 |           |      |       |     | O'Donnell, M.            |                        | Phaseolus?        | bean survey        |
| 1           | Brevicoryne brassicae | Brevicoryne brassicae | Bejakovich  | New Zealand | MC                   | Mid Canterbury |              | Ashburton    |                    | -43.902496 | 171.749326 |           |      |       |     | Braithwaite, H.          |                        | Vicia faba?       | broad bean survey  |
| 1           | Brevicoryne brassicae | Brevicoryne brassicae | Bejakovich  | New Zealand | MC                   | Mid Canterbury |              | Lincoln      |                    | -43.640326 | 172.483995 |           |      |       |     | Alexander, B.            |                        | Pisum sativum?    | pea survey         |



| slide<br>count | label det             | species               | det_by     | country     | admin1 /<br>Crosby<br>area | admin2              | admin3 | locality            | site                    | lat        | long       | elevati<br>on | year | month | day | collector                      | label_host                         | stand_host              | notes for database |
|----------------|-----------------------|-----------------------|------------|-------------|----------------------------|---------------------|--------|---------------------|-------------------------|------------|------------|---------------|------|-------|-----|--------------------------------|------------------------------------|-------------------------|--------------------|
| 1              | Brevicoryne brassicae | Brevicoryne brassicae | Bejakovich | New Zealand | NN                         | Nelson              |        | Richmond            |                         | -41.342394 | 173.188095 |               |      |       |     | Alexander,<br>B./Fahey, J.     |                                    | Pisum sativum?          | pea survey         |
| 1              | Brevicoryne brassicae | Brevicoryne brassicae | Bejakovich | New Zealand | MC                         | Mid Canterbury      |        | Rakaia              |                         | -43.756337 | 172.025093 |               |      |       |     | Bauer,<br>S./Pearson, H.       |                                    | Pisum sativum?          | pea survey         |
| 1              | Brevicoryne brassicae | Brevicoryne brassicae | Bejakovich | New Zealand | MB                         | Marlborough         |        | Seddon              |                         | -41.670009 | 174.073636 |               |      |       |     | Alexander,<br>B./LeCrea, S.    |                                    | Pisum sativum?          | pea survey         |
| 2              | Brevicoryne brassicae | Brevicoryne brassicae | Bejakovich | New Zealand | MC                         | Mid Canterbury      |        | Southbridge         |                         | -43.811797 | 172.252040 |               |      |       |     | Bejakovich, D.                 |                                    | Pisum sativum?          | pea survey         |
| 1              | Brevicoryne brassicae | Brevicoryne brassicae | Bejakovich | New Zealand | SC                         | South<br>Canterbury |        | Rosewill            |                         | -44.332054 | 171.157469 |               |      |       |     | Bauer,<br>S./Bejakovich,<br>D. |                                    | Triticum?               | wheat survey       |
| 1              | Brevicoryne brassicae | Brevicoryne brassicae |            | New Zealand |                            |                     |        |                     |                         |            |            |               |      |       |     |                                |                                    |                         |                    |
| 1              | Brevicoryne brassicae | Brevicoryne brassicae |            | New Zealand |                            |                     |        |                     |                         |            |            |               |      |       |     |                                |                                    |                         |                    |
| 1              | Brevicoryne brassicae | Brevicoryne brassicae | Bejakovich | New Zealand |                            |                     |        |                     |                         |            |            |               |      |       |     |                                |                                    |                         |                    |
| 2              | Brevicoryne brassicae | Brevicoryne brassicae | Bejakovich | New Zealand | MC                         | Mid Canterbury      |        | Christchurch        |                         | -43.516490 | 172.640699 |               |      |       |     | Voice, D.                      |                                    |                         |                    |
| 4              | Calaphis flava        | Calaphis flava        |            | New Zealand | WN                         | Wellington          |        | Levin               |                         | -40.621845 | 175.286588 |               | 1966 | 11    | 15  | Morrison, L.G.                 | silver birch                       | Betula pendula          |                    |
| 4              | Capitophorus elaeagni | Capitophorus elaeagni | L. Russell | New Zealand | WN                         | Wellington          |        | Poroutawhao         |                         | -40.554410 | 175.269266 |               | 1961 | 11    | 21  |                                | winged thistle                     |                         |                    |
| 2              | Capitophorus elaeagni | Capitophorus elaeagni |            | New Zealand | WN                         | Wellington          |        | Levin               | Edinburgh St.           | -40.612936 | 175.281971 |               | 1966 | 3     | 12  |                                | dandelion                          | Taraxacum               |                    |
| 1              | Capitophorus elaeagni | Capitophorus elaeagni |            | New Zealand | WN                         | Wellington          |        | Levin               | Corner                  | -40.658439 | 175.346462 |               | 1966 | 3     | 29  | Pritchard, J.F.                | Coprosma sp.                       | Coprosma                |                    |
| 2              | Capitophorus elaeagni | Capitophorus elaeagni |            | New Zealand | WN                         | Wellington          |        | Levin               | H.R.C.                  | -40.653232 | 175.275183 |               | 1966 | 4     | 8   |                                | trap                               |                         |                    |
| 3              | Capitophorus elaeagni | Capitophorus elaeagni |            | New Zealand | WI                         | Wanganui            |        | Palmerston<br>North |                         | -40.355746 | 175.612190 |               | 1966 | 11    | 17  | Marter, L.I.                   | Elaeagnus sp.                      | Elaeagnus               |                    |
| 1              | Capitophorus elaeagni | Capitophorus elaeagni |            | New Zealand | AK                         | Auckland            |        | Sandringham         |                         | -36.890350 | 174.726326 |               | 1978 | 4     | 13  | Dale                           | artichoke                          | Cynara<br>cardunculus   |                    |
| 1              | Capitophorus elaeagni | Capitophorus elaeagni |            | New Zealand | MC                         | Mid Canterbury      |        | Ashburton           | property of P. Bonifont | -43.902496 | 171.749326 |               | 1978 | 11    | 22  | Stephenson,<br>B.P.            | swept, weeds in<br>asparagus patch |                         |                    |
| 3              | Capitophorus elaeagni | Capitophorus elaeagni |            | New Zealand | MC                         | Mid Canterbury      |        | Ashburton           | property of P. Bonifont | -43.902496 | 171.749326 |               | 1978 | 11    | 22  | Stephenson,<br>B.P.            | thistles in<br>asparagus patch     |                         |                    |
| 1              | Capitophorus elaeagni | Capitophorus elaeagni | Bejakovich | New Zealand | MC                         | Mid Canterbury      |        | Lincoln             |                         | -43.640326 | 172.483995 |               | 1996 | 4     | 16  | Bejakovich, D.                 | grape                              | Vitus                   |                    |
| 2              | Cavariella aegopodii  | Cavariella aegopodii  |            | New Zealand | WN                         | Wellington          |        | Otaki               |                         | -40.757787 | 175.152441 |               | 1963 | 11    | 7   | Waters, R.A.S.                 | traps                              |                         |                    |
| 2              | Cavariella aegopodii  | Cavariella aegopodii  |            | New Zealand | WO                         | Waikato             |        | Te Kauwhata         |                         | -37.404791 | 175.143073 |               | 1965 | 10    | 25  | Manson,<br>D.C.M.              | netted from<br>grass and weeds     |                         |                    |
| 5              | Cavariella aegopodii  | Cavariella aegopodii  |            | New Zealand | WN                         | Wellington          |        | Levin               | 17 Queen St.            | -40.621493 | 175.285703 |               | 1966 | 9     | 27  | Pritchard, J.F.                | carrot                             | Daucus carota           |                    |
| 1              | Cavariella aegopodii  | Cavariella aegopodii  | J Cox      | New Zealand | ND                         | Northland           |        | Whangarei           |                         | -35.722870 | 174.322685 |               | 1976 | 11    | 10  | Stacey, W.                     | willow                             | Salix                   |                    |
| 2              | Cavariella aegopodii  | Cavariella aegopodii  |            | New Zealand | RI                         | Rangitikei          |        | Ohakune             |                         | -39.418653 | 175.399641 |               | 1977 | 12    | 28  | Anderson, M.                   | carrots                            | Daucus carota           |                    |
| 1              | Cavariella aegopodii  | Cavariella aegopodii  |            | New Zealand | MC                         | Mid Canterbury      |        | Ashburton           | property of P. Bonifont | -43.902496 | 171.749326 |               | 1978 | 11    | 22  | Stephenson,<br>B.P.            | yarrow in<br>asparagus patch       | Achillea<br>millefolium |                    |
| 1              | Cavariella aegopodii  | Cavariella aegopodii  | VFE        | New Zealand | SI                         | Southland           |        | Lumsden             |                         | -45.737852 | 168.441778 |               | 1979 | 1     |     | van Toor, R.                   |                                    |                         |                    |
| 1              | Cavariella aegopodii  | Cavariella aegopodii  |            | New Zealand | MC                         | Mid Canterbury      |        | Christchurch        | 58 Opawa Rd             | -43.549844 | 172.657654 |               | 1984 | 4     | 3   | Kemp, T.N.                     | carrot                             | Daucus carota           |                    |
| 1              | Cavariella aegopodii  | Cavariella aegopodii  | Bejakovich | New Zealand | MC                         | Mid Canterbury      |        | Rakaia              |                         | -43.756337 | 172.025093 |               |      |       |     | Alexander,<br>B./Beal, V.      |                                    | Hordeum<br>vulgare?     | barley survey      |

| slide count | label det                    | species                   | det by                        | country     | admin1 / Crosby area | admin2           | admin3       | locality         | site        | lat        | long       | elevation | year | month | day | collector                | label host           | stand host           | notes for database |
|-------------|------------------------------|---------------------------|-------------------------------|-------------|----------------------|------------------|--------------|------------------|-------------|------------|------------|-----------|------|-------|-----|--------------------------|----------------------|----------------------|--------------------|
| 1           | Cavariella aegopodii         | Cavariella aegopodii      | Bejakovich                    | New Zealand | MC                   | Mid Canterbury   |              | Irwell           |             | -43.704160 | 172.361285 |           |      |       |     |                          |                      | Vicia faba?          | broad bean survey  |
| 1           | Cavariella aegopodii         | Cavariella aegopodii      | Bejakovich                    | New Zealand | SC                   | South Canterbury |              | Rosewill         |             | -44.332054 | 171.157469 |           |      |       |     | Bauer, S./Bejakovich, D. |                      | Triticum?            | wheat survey       |
| 1           | Cavariella aegopodii         | Cavariella aegopodii      |                               | New Zealand | MC                   | Mid Canterbury   |              | Christchurch     |             | -43.516490 | 172.640699 |           |      |       |     | Miller, P.M.             | coriander            | Coriandrum sativum   |                    |
| 3           | Cavariella aegopodii         | Cavariella aegopodii      | M. O'Donnell                  | New Zealand | NN                   | Nelson           |              |                  |             |            |            |           |      |       |     |                          | kiwifruit            | Actinidia deliciosa  |                    |
| 1           | Cavariella aegopodii         | Cavariella aegopodii      | WDP                           | New Zealand | MC                   | Mid Canterbury   |              | Ashburton        |             | -43.902496 | 171.749326 |           |      |       |     | Rose, G.                 | parsley              | Pteroselinum         |                    |
| 1           | Cavariella aegopodii         | Cavariella aegopodii      | Bejakovich                    | New Zealand | AK                   | Auckland         |              |                  |             |            |            |           |      |       |     |                          |                      |                      |                    |
| 2           | Cerataphis lataniae          | Cerataphis lataniae       |                               | New Zealand | HB                   | Hawkes Bay       |              | Hastings         |             | -39.643530 | 176.843195 |           | 1969 | 5     | 8   | Mackenzie, D.            | orchid (pot plant)   |                      |                    |
| 1           | Cerataphis lataniae          | Cerataphis lataniae       |                               | New Zealand | BP                   | Bay of Plenty    |              | Tauranga         | P.E.Q. area | -37.687078 | 176.166813 |           | 1978 | 2     | 9   | Bell, R.J.               | Cymbidium            | Cymbidium            |                    |
| 1           | Cerataphis orchidearum       | Cerataphis orchidearum    |                               | New Zealand | NN                   | Nelson           |              | Nelson           |             | -41.270786 | 173.284000 |           | 1974 | 10    |     |                          | orchid               |                      |                    |
| 1           | Chaetosiphon fragaefoliae    | Chaetosiphon fragaefoliae |                               | New Zealand | WN                   | Wellington       |              | Levin            |             | -40.621845 | 175.286588 |           | 1966 | 10    | 15  | Roxburgh, N.             | strawberry           | Fragaria             |                    |
| 1           | Chaetosiphon fragaefoliae    | Chaetosiphon fragaefoliae |                               | New Zealand |                      |                  |              |                  |             |            |            |           | 1975 | 11    | 13  | D.M.                     | strawberries         | Fragaria             |                    |
| 1           | Chaetosiphon tetrarhodum     | Chaetosiphon tetrarhodum  |                               | New Zealand | MC                   | Mid Canterbury   | Christchurch | New Brighton     |             | -43.508430 | 172.727403 |           | 1972 | 11    | 8   | Baker, P.D.              | Rosa sp.             | Rosa                 |                    |
| 2           | Pentatrichopus tetrarhodes   | Chaetosiphon tetrarhodum  |                               | New Zealand | MC                   | Mid Canterbury   | Christchurch | New Brighton     |             | -43.508430 | 172.727403 |           | 1972 | 11    | 8   | Baker, P.D.              | Rosa sp.             | Rosa                 |                    |
| 2           | Chaetosiphon tetrarhodum     | Chaetosiphon tetrarhodum  |                               | New Zealand | DN                   | Dunedin          |              | Tara Hills       |             | -45.810128 | 170.344598 |           | 1978 | 12    | 20  | McFadden, G.             | Rosa rubiginosa      | Rosa rubiginosa      |                    |
| 4           | Cinara juniperina            | Cinara                    |                               | New Zealand | WN                   | Wellington       |              | Levin            | Burn St.    | -40.615763 | 175.302068 |           | 1972 | 11    | 8   | Gabites                  |                      |                      |                    |
| 8           | Cinara fresai                | Cinara fresai             | VFE                           | New Zealand | WI                   | Wanganui         |              | Palmerston North |             | -40.355746 | 175.612190 |           | 1973 | 5     | 25  |                          | Cupressus sp.        | Cupressus            |                    |
| 1           | Cinara fresai                | Cinara fresai             | Sunde 1979 [N. juniperi: Cox] | New Zealand | AK                   | Auckland         |              | Auckland         |             | -36.847385 | 174.765735 |           | 1977 | 3     | 23  | McCarthy                 | Cupressus macrocarpa | Cupressus macrocarpa |                    |
| 2           | Cinara juniperi              | Cinara juniperi           |                               | New Zealand | WN                   | Wellington       |              | Levin            | H.R.C.      | -40.653232 | 175.275183 |           | 1977 | 11    | 29  | Davey, K.                | Juniperus rigida     | Juniperus rigida     |                    |
| 1           | Cinara juniperi              | Cinara juniperi           | BPS                           | New Zealand | SL                   | Southland        |              | Invercargill     |             | -46.413055 | 168.356883 |           | 1979 | 11    | 5   | Neeson, D.N.             | tulips               | Tulipa               |                    |
| 4           | Cinara juniperi              | Cinara juniperi           | BPS                           | New Zealand | DN                   | Dunedin          |              | Taieri           |             | -45.900000 | 170.150000 |           | 1979 | 11    | 16  | Ward, R.A.               | Juniperus communis   | Juniperus communis   |                    |
| 1           | Cinara cf pilicornis/costata | Cinara pilicornis         |                               | New Zealand | MC                   | Mid Canterbury   |              | Christchurch     | B. McDonald | -43.516490 | 172.640699 |           | 1978 | 12    | 1   | Kellard, H.F             | spruce               | Picea                |                    |
| 10          | Cinara pilicornis            | Cinara pilicornis         |                               | New Zealand | MC                   | Mid Canterbury   |              |                  |             |            |            |           | 1999 | 2     | 17  |                          |                      |                      |                    |
| 3           | Cinara pilicornis            | Cinara pilicornis         |                               | New Zealand | MC                   | Mid Canterbury   |              | Christchurch     |             | -43.516490 | 172.640699 |           | 2002 | 9     | 23  | Voice, D.                |                      |                      |                    |
| 4           | Colophina clematicola        | Colophina clematicola     | Colopha (Colophina?): VFE     | New Zealand | HB                   | Hawkes Bay       |              | Hastings         |             | -39.643530 | 176.843195 |           | 1971 | 2     | 4   | Greenfield, J.H.         | Clematis             | Clematis             |                    |
| 6           | Colophina clematicola        | Colophina clematicola     | Colopha (Colophina?): VFE     | New Zealand | HB                   | Hawkes Bay       |              | Hastings         |             | -39.643530 | 176.843195 |           | 1971 | 6     | 18  | Greenfield, J.H.         | Clematis             | Clematis             |                    |
| 2           | Colophina clematicola        | Colophina clematicola     |                               | New Zealand | HB                   | Hawkes Bay       |              | Napier           |             | -39.491733 | 176.916281 |           | 1979 | 12    | 12  | Robson, P.               | Clematis             | Clematis             |                    |
| 3           | Colophina clematicola        | Colophina clematicola     | M. O'Donnell 2002             | New Zealand | MC                   | Mid Canterbury   |              | Christchurch     |             | -43.516490 | 172.640699 |           | 2002 | 3     | 8   | Keay, A.R.               | Clematis             | Clematis             |                    |

| slide count | label det                 | species                   | det by     | country     | admin1 / Crosby area | admin2           | admin3 | locality           | site                        | lat         | long        | elevation | year | month | day | collector         | label host                   | stand host       | notes for database |
|-------------|---------------------------|---------------------------|------------|-------------|----------------------|------------------|--------|--------------------|-----------------------------|-------------|-------------|-----------|------|-------|-----|-------------------|------------------------------|------------------|--------------------|
| 1           | Viteus vitifolii          | Daktulosphaira vitifoliae |            | New Zealand | HB                   | Hawkes Bay       |        | Hawkes Bay         | vinyard Hanmonna            |             |             |           | 1968 | 12    | 17  | Gardner, H.       | roots of grape vines         | Vitus            |                    |
| 3           | Viteus vitifolii          | Daktulosphaira vitifoliae |            | New Zealand | NN                   | Nelson           |        | Mariri             | R.D.2 Upper Moutere         | -41.267988  | 173.006380  |           | 1970 | 1     | 19  | Baumgart, M.G.    | grape foliage                | Vitus            |                    |
| 2           | Viteus vitifolii          | Daktulosphaira vitifoliae |            | New Zealand | NN                   | Nelson           |        |                    | R.D.2 Upper Moutere         | -41.290438° | 173.001374° | 190m      | 1970 | 1     | 19  | Brown, I.L.       | roots of grape vines         | Vitus            |                    |
| 3           | Viteus vitifolii          | Daktulosphaira vitifoliae |            | New Zealand | GB                   | Gisborne         |        | Gisborne           | Corbans vineyard, Bond Road | -38.541922  | 177.927513  |           | 1975 | 11    | 5   | Manson, D.C.M.    |                              |                  |                    |
| 2           | Daktulosphaera vitifolii  | Daktulosphaira vitifoliae |            | New Zealand | MB                   | Marlborough      |        | Blenheim           |                             | -41.516457  | 173.953239  |           | 1984 | 1     | 6   |                   | roots of grape vines         |                  |                    |
| 1           | Phylloxera vitifoliae     | Daktulosphaira vitifoliae | LM Hawke   | New Zealand | MB                   | Marlborough      |        |                    |                             |             |             |           |      |       |     |                   | roots of Viis sp.            |                  |                    |
| 1           | Daktulosphaira vitifolii  | Daktulosphaira vitifoliae | WDP 94     | New Zealand |                      |                  |        |                    |                             |             |             |           |      |       |     |                   |                              |                  |                    |
| 2           | Drepanosiphum platanoidis | Drepanosiphum platanoidis |            | New Zealand | WN                   | Wellington       |        | Levin              |                             | -40.621845  | 175.286588  |           | 1963 | 2     | 16  | Powell, R.H.      | sycamore                     | Acer platanoidis |                    |
| 2           | Drepanosiphum platanoidis | Drepanosiphum platanoidis |            | New Zealand | WN                   | Wellington       |        | Levin              | Cambridge St.               | -40.620761  | 175.289985  |           | 1967 | 2     | 20  | Ward, A.          | sycamore                     | Acer platanoidis |                    |
| 1           | Drepanosiphum platanoidis | Drepanosiphum platanoidis |            | New Zealand | MC                   | Mid Canterbury   |        | Lincoln            |                             | -43.640326  | 172.483995  |           | 1978 | 12    | 1   | Stephenson, B.P.  |                              |                  |                    |
| 3           | Drepanosiphum platanoidis | Drepanosiphum platanoidis |            | New Zealand |                      |                  |        |                    | probably from Levin         |             |             |           |      |       |     |                   | sycamore                     | Acer platanoidis |                    |
| 1           | Dysaphis tulipae          | Dysaphis tulipae          |            | New Zealand | NN                   | Nelson           |        | Motueka            |                             | -41.110107  | 173.011121  |           | 1957 | 2     | 7   | [Hort. Inspector] |                              |                  |                    |
| 2           | Dysaphis tulipae          | Dysaphis tulipae          |            | New Zealand | WN                   | Wellington       |        | Levin              |                             | -40.621845  | 175.286588  |           | 1965 | 12    | 8   |                   | Iris flower                  | Iris             |                    |
| 1           | Dysaphis tulipae          | Dysaphis tulipae          |            | New Zealand | WA                   | Wairarapa        |        | Martinborough      |                             | -41.218227  | 175.459178  |           | 1966 | 10    | 25  | Pritchard, J.F.   | Iris                         | Iris             |                    |
| 2           | Dysaphis tulipae          | Dysaphis tulipae          |            | New Zealand | AK                   | Auckland         |        | Auckland           |                             | -36.847385  | 174.765735  |           | 1968 | 4     | 26  | Harrison, R.      | Iris bulbs for export        | Iris             |                    |
| 1           | Elatobium abietinum       | Elatobium abietinum       |            | New Zealand | RI                   | Rangitikei       |        | Apiti              | R.D. 3; R.J. McKean         | -39.974358  | 175.873184  |           | 1966 | 9     | 15  | Marter, L.I.      |                              |                  |                    |
| 1           | Elatobium abietinum       | Elatobium abietinum       |            | New Zealand | MC                   | Mid Canterbury   |        | Christchurch       | B. McDonald                 | -43.516490  | 172.640699  |           | 1978 | 12    | 1   | Kellard, H.F      | Picea sp.                    | Picea            |                    |
| 2           | Eriosoma lanigerum        | Eriosoma lanigerum        |            | New Zealand | WN                   | Wellington       |        | Levin              |                             | -40.621845  | 175.286588  |           | 1966 | 4     | 6   | Meddings, S.      | twig of apple tree           | Malus pumila     |                    |
| 1           | Eriosoma lanigerum        | Eriosoma lanigerum        |            | New Zealand | SC                   | South Canterbury |        | Timaru             |                             | -44.396800  | 171.250098  |           | 1969 | 11    | 10  | Strickett, J.H.   | Cotoneaster                  | Cotoneaster      |                    |
| 2           | Eriosoma lanigerum        | Eriosoma lanigerum        |            | New Zealand | BR                   | Buller           |        | Inangahua Junction |                             | -41.858976  | 171.949369  | 99m       | 1974 | 2     | 12  | Brown, J.L.       | apple wood                   | Malus pumila     |                    |
| 1           | Eriosoma lanigerum        | Eriosoma lanigerum        |            | New Zealand | HB                   | Hawkes Bay       |        | Hastings           |                             | -39.643530  | 176.843195  |           | 1974 | 5     | 3   | Miller, W.R.      | Golden Delicious apple       | Malus pumila     |                    |
| 1           | Eriosoma lanigerum        | Eriosoma lanigerum        |            | New Zealand | MC                   | Mid Canterbury   |        | Christchurch       | Russley Road, T.G. McFadden | -43.516490  | 172.640699  |           | 1978 | 1     | 29  | Scantlebury, J.E. | Malus sylvestris             | Malus sylvestris |                    |
| 4           | Eriosoma lanigerum        | Eriosoma lanigerum        | VFE        | New Zealand | SL                   | Southland        |        | Balclutha          |                             | -46.241461  | 169.731029  |           | 1979 | 3     | 29  | Fietje, L.        | shrub                        |                  | parasitized        |
| 1           | Eriosoma lanigerum        | Eriosoma lanigerum        |            | New Zealand | MC                   | Mid Canterbury   |        | Rangiora           |                             | -43.304038  | 172.590560  |           | 1980 | 3     | 13  | McMillan          | Cotoneaster                  | Cotoneaster      |                    |
| 2           | Eriosoma lanigerum        | Eriosoma lanigerum        |            | New Zealand | CO                   | Central Otago    |        |                    | NZAPMB Ettrick Packhouse    |             |             |           | 1985 | 4     | 10  | Wathen, S.R.      | calyx of apple (export crop) | Malus pumila     |                    |
| 1           | Eriosoma lanigerum        | Eriosoma lanigerum        |            | New Zealand | HB                   | Hawkes Bay       |        | Hawkes Bay         |                             |             |             |           |      |       |     |                   |                              |                  |                    |
| 1           | Eriosoma lanigerum        | Eriosoma lanigerum        |            | New Zealand |                      |                  |        |                    |                             |             |             |           |      |       |     |                   |                              |                  |                    |
| 1           | Essigella californica     | Essigella californica     | Flynn      | New Zealand | AK                   | Auckland         |        | Blockhouse Bay     | Terry St.                   | -36.916844  | 174.708759  |           | 1998 | 3     | 23  | Flynn, A.R.       | Pinus radiata                | Pinus radiata    |                    |
| 4           | Essigella californica     | Essigella californica     | Bejakovich | New Zealand | MC                   | Mid Canterbury   |        | Lincoln            | Courtney?                   |             |             |           | 1999 | 3     |     | Teulon, D.        | suction trap                 |                  |                    |
| 3           | Euceraphis betulae        | Euceraphis betulae        |            | New Zealand | WN                   | Wellington       |        | Levin              | Panorama Motel              | -40.596232  | 175.300478  |           | 1975 | 10    | 8   |                   | silver birch                 | Betula pendula   |                    |
| 1           | Euceraphis betulae        | Euceraphis betulae        | Bejakovich | New Zealand | MB                   | Marlborough      |        | Blenheim           |                             | -41.516457  | 173.953239  |           |      |       |     |                   |                              | Acca sellowiana? | feijoa survey      |

| slide count | label det                 | species                   | det by       | country     | admin1 / Crosby area | admin2           | admin3   | locality     | site                 | lat        | long       | elevation | year | month | day | collector                 | label host                     | stand host            | notes for database |
|-------------|---------------------------|---------------------------|--------------|-------------|----------------------|------------------|----------|--------------|----------------------|------------|------------|-----------|------|-------|-----|---------------------------|--------------------------------|-----------------------|--------------------|
| 1           | Euceraphis betulae        | Euceraphis betulae        | Bejakovich   | New Zealand | MC                   | Mid Canterbury   |          | Tai Tapu     |                      | -43.662041 | 172.547629 |           |      |       |     | Alexander, B./Beal, V.    |                                | Triticum?             | wheat survey       |
| 1           | Euceraphis punctipennis   | Euceraphis punctipennis   |              | New Zealand | WN                   | Wellington       |          | Levin        |                      | -40.621845 | 175.286588 |           | 1966 | 11    | 15  | Morrison, L.G.            | silver birch                   | Betula pendula        |                    |
| 2           | Euceraphis punctipennis   | Euceraphis punctipennis   |              | New Zealand | NN                   | Nelson           |          | Motueka      |                      | -41.110107 | 173.011121 |           | 1977 | 11    | 27  | McCurran, A.G.            | silver birch                   | Betula pendula        |                    |
| 2           | Greenidea ficicola        | Greenidea ficicola        | Bennett 2008 | New Zealand | AK                   | Auckland         | Auckland | Kohimarama   |                      | -36.857008 | 174.846351 |           | 2008 | 7     | 4   | Bennett, S.J.             | Ficus macrocarpa               | Ficus macrocarpa      |                    |
| 2           | Hyadaphis foeniculi       | Hyadaphis foeniculi       |              | New Zealand | WN                   | Wellington       |          | Levin        |                      | -40.621845 | 175.286588 |           | 1963 | 2     | 6   |                           | hemlock                        | Conium maculatum      |                    |
| 3           | Hyadaphis foeniculi       | Hyadaphis foeniculi       |              | New Zealand | WN                   | Wellington       |          | Shannon      |                      | -40.547234 | 175.410707 |           | 1978 | 10    | 31  | Hadland, N.               | honeysuckle                    | Lonicera              |                    |
| 1           | Hyperomyzus               | Hyperomyzus               |              | New Zealand | WN                   | Wellington       |          | Levin        | Queen St.            | -40.621493 | 175.285703 |           | 1965 | 11    | 9   | Pritchard, J.F.           | potato                         | Solanum tuberosum     |                    |
| 1           | Nasonovia lactucae        | Hyperomyzus lactucae      |              | New Zealand | WN                   | Wellington       |          | Levin        | Queen St.            | -40.621493 | 175.285703 |           | 1965 | 9     | 13  | Pritchard, J.F.           | Sonchus sp.                    | Sonchus               |                    |
| 1           | Nasonovia lactucae        | Hyperomyzus lactucae      |              | New Zealand | WN                   | Wellington       |          | Levin        |                      | -40.621845 | 175.286588 |           | 1965 | 9     | 15  | Pritchard, J.F.           | Sonchus sp.                    | Sonchus               |                    |
| 2           | Nasonovia lactucae        | Hyperomyzus lactucae      |              | New Zealand | WN                   | Wellington       |          | Levin        | H.R.C., Kimberley Rd | -40.653232 | 175.275183 |           | 1968 | 11    | 5   | Porter, L.                | black currant                  | Ribes nigrum          |                    |
| 2           | Nasonovia lactucae        | Hyperomyzus lactucae      |              | New Zealand | WA                   | Wairarapa        |          | Masterton    | Greytown             | -41.081013 | 175.459681 |           | 1973 | 11    | 22  | Muir, L.                  | gooseberries                   | Ribes                 |                    |
| 3           | Nasonovia lactucae        | Hyperomyzus lactucae      |              | New Zealand | WN                   | Wellington       |          | Levin        | H.R.C.               | -40.653232 | 175.275183 |           | 1976 | 9     | 30  | Wong, S.K.                | thistle (Sonchus sp.)          | Sonchus               |                    |
| 5           | Hyperomyzus lactucae      | Hyperomyzus lactucae      |              | New Zealand | SL                   | Southland        |          | Invercargill |                      | -46.413055 | 168.356883 |           | 1979 | 11    | 7   | Risk, W.H.                | black currants                 | Ribes nigrum          |                    |
| 1           | Hyperomyzus lactucae      | Hyperomyzus lactucae      | Bejakovich   | New Zealand | MC                   | Mid Canterbury   |          | Ashburton    |                      | -43.902496 | 171.749326 |           |      |       |     | Dixon, W.                 | bean survey                    |                       |                    |
| 1           | Hyperomyzus lactucae      | Hyperomyzus lactucae      | Bejakovich   | New Zealand | SC                   | South Canterbury |          | Temuka       |                      | -44.241822 | 171.282068 |           |      |       |     | Bejakovich, D./Brown, W.  | pea survey                     |                       |                    |
| 1           | Nasonovia lactucae        | Hyperomyzus lactucae      |              | New Zealand |                      |                  |          |              |                      |            |            |           |      |       |     |                           | Sonchus sp.                    | Sonchus               |                    |
| 1           | Hyperomyzus lactucae      | Hyperomyzus lactucae      | Bejakovich   | New Zealand |                      |                  |          |              |                      |            |            |           |      |       |     |                           | thistle                        |                       |                    |
| 1           | Lipaphis erysimi          | Lipaphis pseudobrassicae  |              | New Zealand | WN                   | Wellington       |          | Levin        | waste land           | -40.621845 | 175.286588 |           | 1966 | 10    | 13  | Roxburgh, N.              | cruciferous weed               |                       |                    |
| 2           | Lipaphis erysimi          | Lipaphis pseudobrassicae  |              | New Zealand | WN                   | Wellington       |          | Levin        | wasteland            | -40.621845 | 175.286588 |           | 1966 | 10    | 15  | Roxburgh, N.              | Sisymbrium officinale          | Sisymbrium officinale |                    |
| 1           | Lipaphis                  | Lipaphis pseudobrassicae  | VFE          | New Zealand | HB                   | Hawkes Bay       |          | Hastings     |                      | -39.643530 | 176.843195 |           | 1982 | 11    | 3   | Manson, D.C.M./Kevern, J. | lucerne                        | Medicago sativa       |                    |
| 4           | Macrosiphoniella sanborni | Macrosiphoniella sanborni |              | New Zealand |                      |                  |          |              |                      |            |            |           | 1978 | 5     | 26  | Youngman, R.              | Aster                          | Aster                 |                    |
| 1           | Macrosiphum euphorbiae    | Macrosiphum euphorbiae    |              | New Zealand | WN                   | Wellington       |          | Wgtn         | [=Wellington?]       | -41.286480 | 174.776217 |           | 1956 | 9     | 21  | L. McD.                   | hydrangea                      | Hydrangea             |                    |
| 1           | Macrosiphum euphorbiae    | Macrosiphum euphorbiae    |              | New Zealand | WN                   | Wellington       |          | Otaki        |                      | -40.757787 | 175.152441 |           | 1963 | 11    | 7   | Waters, R.A.S.            | trap                           |                       |                    |
| 1           | Macrosiphum euphorbiae    | Macrosiphum euphorbiae    |              | New Zealand | WN                   | Wellington       |          | Levin        | Queen St.            | -40.621493 | 175.285703 |           | 1964 | 9     | 14  | Pritchard, J.F.           | carnation                      | Dianthus              |                    |
| 1           | Macrosiphum euphorbiae    | Macrosiphum euphorbiae    |              | New Zealand | WN                   | Wellington       |          | Levin        |                      | -40.621845 | 175.286588 |           | 1965 | 5     | 25  | Pritchard, J.F.           | stem of "granny bonnet" flower |                       |                    |
| 1           | Macrosiphum euphorbiae    | Macrosiphum euphorbiae    |              | New Zealand | WN                   | Wellington       |          | Levin        | Queen St.            | -40.621493 | 175.285703 |           | 1965 | 9     | 2   | Pritchard, J.F.           | carnation                      | Dianthus              |                    |
| 4           | Macrosiphum euphorbiae    | Macrosiphum euphorbiae    |              | New Zealand | WN                   | Wellington       |          | Levin        | park                 | -40.621845 | 175.286588 |           | 1965 | 10    | 7   | Pritchard, J.F.           | marigold                       | Calendula             |                    |
| 1           | Macrosiphum euphorbiae    | Macrosiphum euphorbiae    |              | New Zealand | WN                   | Wellington       |          | Levin        | Queen St.            | -40.621493 | 175.285703 |           | 1965 | 11    | 29  | Pritchard, J.F.           | potato                         | Solanum tuberosum     |                    |
| 1           | Macrosiphum euphorbiae    | Macrosiphum euphorbiae    |              | New Zealand | WN                   | Wellington       |          | Levin        | 17 Queen St.         | -40.621493 | 175.285703 |           | 1966 | 10    | 11  | Pritchard, J.F.           | Rosa sp.                       | Rosa                  |                    |

| slide count | label det              | species                | det by        | country     | admin1 / Crosby area | admin2           | admin3       | locality     | site                                      | lat        | long       | elevation | year | month | day | collector                         | label host              | stand host            | notes for database            |
|-------------|------------------------|------------------------|---------------|-------------|----------------------|------------------|--------------|--------------|-------------------------------------------|------------|------------|-----------|------|-------|-----|-----------------------------------|-------------------------|-----------------------|-------------------------------|
| 1           | Macrosiphum euphorbiae | Macrosiphum euphorbiae |               | New Zealand | WN                   | Wellington       |              | Levin        |                                           | -40.621845 | 175.286588 |           | 1966 | 10    | 13  | Pritchard, J.F.                   | Gallium sp.             | Gallium               |                               |
| 1           | Macrosiphum euphorbiae | Macrosiphum euphorbiae |               | New Zealand | MC                   | Mid Canterbury   |              | Christchurch |                                           | -43.516490 | 172.640699 |           | 1967 | 4     | 28  | Yates, R.E.                       | chrysanthemum flowers   | Chrysanthemum         |                               |
| 1           | Macrosiphum euphorbiae | Macrosiphum euphorbiae |               | New Zealand | AK                   | Auckland         |              | Auckland     |                                           | -36.847385 | 174.765735 |           | 1969 | 3     | 7   | Peterson, H.A.                    | lettuce for export      | Lactuca sativa        |                               |
| 4           | Macrosiphum euphorbiae | Macrosiphum euphorbiae |               | New Zealand |                      |                  |              |              |                                           |            |            |           | 1972 | 11    | 2   | Brownlee, T.                      | glob artichoke          | Cynara                |                               |
| 2           | Macrosiphum euphorbiae | Macrosiphum euphorbiae |               | New Zealand | MC                   | Mid Canterbury   |              | Christchurch | 69 Tomes Rd                               | -43.501265 | 172.619558 | 7m        | 1977 | 12    | 19  | Braithewaite, M.                  | Lycopersicon esculentum | Solanum lycopersicum  |                               |
| 3           | Macrosiphum euphorbiae | Macrosiphum euphorbiae |               | New Zealand | MC                   | Mid Canterbury   |              | Lincoln      | Lincoln College, house 51                 | -43.645287 | 172.462042 |           | 1977 | 12    | 21  | Youngman, R.                      | Lactuca sativa          | Lactuca sativa        |                               |
| 1           | Macrosiphum euphorbiae | Macrosiphum euphorbiae |               | New Zealand | MC                   | Mid Canterbury   |              | Christchurch | Franks' Russley Rd                        | -43.499883 | 172.546293 |           | 1978 | 3     | 22  |                                   | brussel sprouts         | Brasscia oleracea     |                               |
| 1           | Macrosiphum euphorbiae | Macrosiphum euphorbiae |               | New Zealand | WO                   | Waikato          |              | Hamilton     |                                           | -37.788263 | 175.283883 |           | 1978 | 8     | 14  | Armstrong, S.                     | Calendula               | Calendula             |                               |
| 1           | Macrosiphum euphorbiae | Macrosiphum euphorbiae |               | New Zealand | MC                   | Mid Canterbury   |              | Christchurch | Marshlands Rd; property of Keats & Harris | -43.484595 | 172.660431 |           | 1978 | 10    | 25  | Stephenson, B.P./Somerfield, K.G. |                         |                       |                               |
| 2           | Macrosiphum euphorbiae | Macrosiphum euphorbiae |               | New Zealand | MC                   | Mid Canterbury   |              | Christchurch | Prestons Road; L. Trott                   | -43.474781 | 172.64668  |           | 1978 | 10    | 28  | Somerfield, K.G./Stephenson, B.P. |                         | Lactuca sativa?       | lettuce survey                |
| 1           | Macrosiphum euphorbiae | Macrosiphum euphorbiae |               | New Zealand | MC                   | Mid Canterbury   |              | Christchurch | property Keat                             | -43.516490 | 172.640699 |           | 1978 | 11    | 8   | Yorsten, J.                       |                         |                       |                               |
| 1           | Macrosiphum euphorbiae | Macrosiphum euphorbiae |               | New Zealand | MC                   | Mid Canterbury   |              | Ashburton    | property of P. Bonifont                   | -43.902496 | 171.749326 |           | 1978 | 11    | 17  | Stephenson, B.P.                  |                         |                       | in washing bath for asparagus |
| 3           | Macrosiphum euphorbiae | Macrosiphum euphorbiae | BP Stephenson | New Zealand | MC                   | Mid Canterbury   |              | Wigram       | Meadow Mushrooms                          | -43.558142 | 172.536201 |           | 1978 | 11    | 23  | Stephenson, B.P.                  | asparagus               | Asparagus officinalis |                               |
| 1           | Macrosiphum euphorbiae | Macrosiphum euphorbiae |               | New Zealand | SC                   | South Canterbury |              | Timaru       | property of N. Hall                       | -44.396800 | 171.250098 |           | 1978 | 12    | 1   | Gillespie, R.J.                   | peas                    | Pisum sativum         |                               |
| 1           | Macrosiphum euphorbiae | Macrosiphum euphorbiae |               | New Zealand | WA                   | Wairarapa        |              | Masterton    |                                           | -40.948949 | 175.660764 |           | 1979 | 2     | 14  |                                   | wind trap               |                       |                               |
| 1           | Macrosiphum euphorbiae | Macrosiphum euphorbiae |               | New Zealand | MC                   | Mid Canterbury   | Christchurch | Sockburn     |                                           | -43.536850 | 172.551129 |           | 1980 | 9     | 14  |                                   |                         |                       |                               |
| 1           | Macrosiphum euphorbiae | Macrosiphum euphorbiae |               | New Zealand | MC                   | Mid Canterbury   | Christchurch | Sockburn     |                                           | -43.536850 | 172.551129 |           | 1980 | 9     | 16  | Emms, L.M.                        |                         |                       |                               |
| 1           | Macrosiphum euphorbiae | Macrosiphum euphorbiae |               | New Zealand | WA                   | Wairarapa        |              | Masterton    |                                           | -40.948949 | 175.660764 |           | 1981 | 1     | 28  |                                   | pea                     | Pisum sativum         |                               |
| 1           | Macrosiphum euphorbiae | Macrosiphum euphorbiae | Bejakovich    | New Zealand | MC                   | Mid Canterbury   | Christchurch | Marshlands   |                                           | -43.479954 | 172.659996 |           | 1999 | 4     |     | van Toor, R.                      | cabbage                 | Brassica oleracea     |                               |
| 1           | Macrosiphum euphorbiae | Macrosiphum euphorbiae |               | New Zealand | AK                   | Auckland         |              |              |                                           |            |            |           | 2002 | 5     | 3   |                                   | Euphorbia               | Euphorbia             |                               |
| 1           | Macrosiphum euphorbiae | Macrosiphum euphorbiae |               | New Zealand |                      |                  |              |              | glasshouse                                |            |            |           |      |       |     | Salinger, J.                      | gladioli                | Gladiolus             |                               |
| 2           | Macrosiphum euphorbiae | Macrosiphum euphorbiae | Bejakovich    | New Zealand | SC                   | South Canterbury |              | Temuka       |                                           | -44.241822 | 171.282068 |           |      |       |     | Knight, K.                        |                         | Hordeum vulgare?      | barley survey                 |
| 2           | Macrosiphum euphorbiae | Macrosiphum euphorbiae | Bejakovich    | New Zealand | MC                   | Mid Canterbury   |              | Ashburton    |                                           | -43.902496 | 171.749326 |           |      |       |     |                                   |                         | Phaseolus?            | bean survey                   |
| 1           | Macrosiphum euphorbiae | Macrosiphum euphorbiae | Bejakovich    | New Zealand | MB                   | Marlborough      |              | Blenheim     |                                           | -41.516457 | 173.953239 |           |      |       |     | Alexander, B./LeCrea, S.          |                         | Phaseolus?            | bean survey                   |
| 1           | Macrosiphum euphorbiae | Macrosiphum euphorbiae | Bejakovich    | New Zealand | MB                   | Marlborough      |              | Blenheim     |                                           | -41.516457 | 173.953239 |           |      |       |     | O'Donnell, M/LeCrea, S.           |                         | Phaseolus?            | bean survey                   |
| 1           | Macrosiphum euphorbiae | Macrosiphum euphorbiae | Bejakovich    | New Zealand | NN                   | Nelson           |              | Motueka      |                                           | -41.110107 | 173.011121 |           |      |       |     | Alexander, B./Fahey, J.           |                         | Pisum sativum?        | pea survey                    |
| 1           | Macrosiphum euphorbiae | Macrosiphum euphorbiae | Bejakovich    | New Zealand | NN                   | Nelson           |              | Panga[...]   |                                           |            |            |           |      |       |     | Alexander, B./Fahey, J.           |                         | Pisum sativum?        | pea survey                    |
| 2           | Macrosiphum euphorbiae | Macrosiphum euphorbiae | Bejakovich    | New Zealand | NN                   | Nelson           |              | Richmond     |                                           | -41.342394 | 173.188095 |           |      |       |     | Alexander, B./Fahey, J.           |                         | Pisum sativum?        | pea survey                    |
| 1           | Macrosiphum euphorbiae | Macrosiphum euphorbiae | M. O'Donnell  | New Zealand | NN                   | Nelson           |              |              |                                           |            |            |           |      |       |     |                                   | kiwifruit leaves        | Actinidia deliciosa   |                               |



| slide count | label det              | species                | det by       | country     | admin1 / Crosby area | admin2           | admin3       | locality     | site                  | lat        | long       | elevation | year | month | day | collector                | label host                             | stand host       | notes for database |
|-------------|------------------------|------------------------|--------------|-------------|----------------------|------------------|--------------|--------------|-----------------------|------------|------------|-----------|------|-------|-----|--------------------------|----------------------------------------|------------------|--------------------|
| 1           | Macrosiphum euphorbiae | Macrosiphum euphorbiae | Bejakovich   | New Zealand | MC                   | Mid Canterbury   |              | Christchurch | greenhouse            | -43.516490 | 172.640699 |           |      |       |     |                          | lettuce                                | Lactuca sativa   |                    |
| 1           | Macrosiphum euphorbiae | Macrosiphum euphorbiae | Bejakovich   | New Zealand | NN                   | Nelson           |              | Richmond     |                       | -41.342394 | 173.188095 |           |      |       |     | Alexander, B./Fahey, J.  | pea survey; mounted with M. rosae      |                  |                    |
| 1           | Macrosiphum euphorbiae | Macrosiphum euphorbiae |              | New Zealand |                      |                  |              |              |                       |            |            |           |      |       |     |                          | Sonchus                                | Sonchus          |                    |
| 2           | Macrosiphum euphorbiae | Macrosiphum euphorbiae |              | New Zealand | MC                   | Mid Canterbury   |              | Yaldhurst    | Ewing                 | -43.512607 | 172.508863 |           |      |       |     | Stephenson, B.P.         | strawberries                           | Fragaria         |                    |
| 1           | Macrosiphum euphorbiae | Macrosiphum euphorbiae | Bejakovich   | New Zealand | BP                   | Bay of Plenty    |              | Opotiki      |                       | -38.004206 | 177.287115 |           |      |       |     |                          | tamarillo leaf                         | Solanum betaceum |                    |
| 1           | Macrosiphum euphorbiae | Macrosiphum euphorbiae |              | New Zealand |                      |                  |              |              |                       |            |            |           |      |       |     |                          |                                        |                  |                    |
| 2           | Macrosiphum rosae      | Macrosiphum rosae      |              | New Zealand | WN                   | Wellington       |              | Levin        | Queen St.             | -40.621493 | 175.285703 |           | 1965 | 9     | 1   |                          | rose                                   | Rosa             |                    |
| 1           | Macrosiphum rosae      | Macrosiphum rosae      |              | New Zealand | WN                   | Wellington       |              | Levin        | Queen St.             | -40.621493 | 175.285703 |           | 1965 | 9     | 2   | Pritchard, J.F.          | rose                                   | Rosa             |                    |
| 4           | Macrosiphum rosae      | Macrosiphum rosae      |              | New Zealand | WN                   | Wellington       |              | Levin        | Queen St.             | -40.621493 | 175.285703 |           | 1965 | 9     | 11  | Pritchard, J.F.          | rose                                   | Rosa             |                    |
| 2           | Macrosiphum rosae      | Macrosiphum rosae      |              | New Zealand | WN                   | Wellington       |              | Levin        | 17 Queen St.          | -40.621493 | 175.285703 |           | 1965 | 10    | 11  | Pritchard, J.F.          | rose                                   | Rosa             |                    |
| 1           | Macrosiphum rosae      | Macrosiphum rosae      |              | New Zealand | WN                   | Wellington       |              | Levin        |                       | -40.621845 | 175.286588 |           | 1966 | 8     | 29  | Meddings, S.             | rose                                   | Rosa             |                    |
| 1           | Macrosiphum rosae      | Macrosiphum rosae      |              | New Zealand | MC                   | Mid Canterbury   | Christchurch | New Brighton |                       | -43.508430 | 172.727403 |           | 1972 | 11    | 8   | Baker, P.D.              | lettuce                                | Lactuca sativa   |                    |
| 1           | Macrosiphum rosae      | Macrosiphum rosae      |              | New Zealand | MC                   | Mid Canterbury   | Christchurch | New Brighton |                       | -43.508430 | 172.727403 |           | 1972 | 11    | 8   | Baker, P.D.              | Rosa sp.                               | Rosa             |                    |
| 1           | Macrosiphum rosae      | Macrosiphum rosae      |              | New Zealand | AK                   | Auckland         |              | Auckland     |                       | -36.847385 | 174.765735 |           | 1975 | 10    | 28  | Johannesson, J.M.        | rose                                   | Rosa             |                    |
| 1           | Macrosiphum rosae      | Macrosiphum rosae      |              | New Zealand | WN                   | Wellington       |              | Levin        | 17 Kent St.           | -40.624147 | 175.289299 |           | 1976 | 3     | 25  | Keall, J.B.              | rose bush                              | Rosa             |                    |
| 1           | Macrosiphum rosae      | Macrosiphum rosae      |              | New Zealand |                      |                  |              |              |                       |            |            |           | 1977 | 3     | 20  |                          | lettuce                                | Lactuca sativa   |                    |
| 9           | Macrosiphum rosae      | Macrosiphum rosae      |              | New Zealand | MC                   | Mid Canterbury   |              | Akaroa       | Rue Viard             | -43.806031 | 172.966568 |           | 1977 | 12    | 28  | Scantlebury, J.E.        | Rosa sp                                | Rosa             |                    |
| 3           | Macrosiphum rosae      | Macrosiphum rosae      | M. O'Donnell | New Zealand | MC                   | Mid Canterbury   |              | Lincoln      |                       | -43.640326 | 172.483995 |           | 1978 | 11    | 14  | Stephenson, B.P.         |                                        |                  |                    |
| 1           | Macrosiphum rosae      | Macrosiphum rosae      | Bejakovich   | New Zealand | MC                   | Mid Canterbury   |              | Ashburton    |                       | -43.902496 | 171.749326 |           |      |       |     |                          | broad bean                             | Vicia            |                    |
| 1           | Macrosiphum rosae      | Macrosiphum rosae      | Bejakovich   | New Zealand | NN                   | Nelson           |              | Richmond     |                       | -41.342394 | 173.188095 |           |      |       |     | Alexander, B./Fahey, J.  | pea survey; mounted with M. euphorbiae |                  |                    |
| 1           | Macrosiphum rosae      | Macrosiphum rosae      | M. O'Donnell | New Zealand | CO                   | Central Otago    |              | Clyde        | Clyde Resarch Orchard | -45.205100 | 169.314235 |           |      |       |     | McLaren, Gill            | pear                                   | Pyrus            |                    |
| 2           | Macrosiphum rosae      | Macrosiphum rosae      | WDP 1995     | New Zealand |                      |                  |              |              |                       |            |            |           |      |       |     |                          |                                        |                  |                    |
| 2           | Metopolophium dirhodum | Metopolophium dirhodum | Sunde        | New Zealand | AK                   | Auckland         |              | Mangatawhiri |                       | -37.215093 | 175.122943 |           | 1981 | 12    | 22  | Manning, R.              | malaise trap in maize field            |                  |                    |
| 1           | Metopolophium dirhodum | Metopolophium dirhodum |              | New Zealand | WI                   | Wanganui         |              | Whangaehu    |                       | -40.008064 | 175.168212 | 7m        | 1982 | 11    | 24  | Watson, J.A.             | cereal crops                           |                  |                    |
| 5           | Metopolophium dirhodum | Metopolophium dirhodum |              | New Zealand | WI                   | Wanganui         |              | Wanganui     |                       | -39.932505 | 175.038504 |           | 1982 | 11    | 24  | Inglis, G.M.             | oats                                   | Avena fatua      |                    |
| 2           | Metopolophium dirhodum | Metopolophium dirhodum | Bejakovich   | New Zealand | SC                   | South Canterbury |              | Rosewill     |                       | -44.332054 | 171.157469 |           |      |       |     | Bauer, S./Bejakovich, D. |                                        | Avena sativa?    | oats survey        |
| 3           | Metopolophium dirhodum | Metopolophium dirhodum | Bejakovich   | New Zealand | SC                   | South Canterbury |              | Rosewill     |                       | -44.332054 | 171.157469 |           |      |       |     | Bauer, S./Bejakovich, D. |                                        | Triticum?        | wheat survey       |
| 3           | Metopolophium dirhodum | Metopolophium dirhodum | Bejakovich   | New Zealand | SC                   | South Canterbury |              | Rosewill     |                       | -44.332054 | 171.157469 |           |      |       |     | Bauer, S./Bejakovich, D. |                                        | Triticum?        | wheat survey       |



| slide count | label det              | species                | det by     | country     | admin1 / Crosby area | admin2           | admin3 | locality    | site         | lat        | long       | elevation | year | month | day | collector                 | label host                     | stand host           | notes for database |
|-------------|------------------------|------------------------|------------|-------------|----------------------|------------------|--------|-------------|--------------|------------|------------|-----------|------|-------|-----|---------------------------|--------------------------------|----------------------|--------------------|
| 1           | Metopolophium dirhodum | Metopolophium dirhodum | Bejakovich | New Zealand | SC                   | South Canterbury |        | Rosewill    |              | -44.332054 | 171.157469 |           |      |       |     | Bauer, S./Bejakovich, D.  |                                | Triticum?            | wheat survey       |
| 1           | Metopolophium dirhodum | Metopolophium dirhodum | Bejakovich | New Zealand | MC                   | Mid Canterbury   |        | Seafield    |              | -43.953535 | 171.949366 |           |      |       |     | Bejakovich, D.            |                                | Triticum?            | wheat survey       |
| 1           | Metopolophium dirhodum | Metopolophium dirhodum | Bejakovich | New Zealand | MC                   | Mid Canterbury   |        | Tai Tapu    |              | -43.662041 | 172.547629 |           |      |       |     | Alexander, B./Beal, V.    |                                | Triticum?            | wheat survey       |
| 1           | Metopolophium dirhodum | Metopolophium dirhodum |            | New Zealand |                      |                  |        |             |              |            |            |           |      |       |     |                           | kiwifruit leaf                 | Actinidia deliciosa  |                    |
| 1           | Metopolophium dirhodum | Metopolophium dirhodum | Bejakovich | New Zealand |                      |                  |        |             |              |            |            |           |      |       |     |                           |                                |                      |                    |
| 1           | Metopolophium festucae | Metopolophium festucae | Sunde      | New Zealand | AK                   | Auckland         |        | Waiuku      |              | -37.248031 | 174.731044 |           | 1986 | 6     | 12  | Sunde, R.G.               | swept over rygrass pasture     |                      |                    |
| 1           | Metopolophium festucae | Metopolophium festucae | Bejakovich | New Zealand | MC                   | Mid Canterbury   |        | Ashburton   |              | -43.902496 | 171.749326 |           |      |       |     | Moffit, A./Bejakovich, D. |                                | Lolium?              | ryegrass survey    |
| 1           | Metopolophium festucae | Metopolophium festucae | Bejakovich | New Zealand | SC                   | South Canterbury |        | Rosewill    |              | -44.332054 | 171.157469 |           |      |       |     | Bauer, S./Bejakovich, D.  |                                | Lolium?              | ryegrass survey    |
| 1           | Metopolophium festucae | Metopolophium festucae |            | New Zealand | MC                   | Mid Canterbury   |        | Irwell      |              | -43.704160 | 172.361285 |           |      |       |     |                           |                                |                      |                    |
| 1           | Metopolophium festucae | Metopolophium festucae | Bejakovich | New Zealand | MC                   | Mid Canterbury   |        | Springston  |              | -43.642739 | 172.423194 |           |      |       |     | Knight, K./Clipborn, M.   |                                |                      |                    |
| 1           | Myzaphis rosarum       | Myzaphis rosarum       |            | New Zealand | WN                   | Wellington       |        | Levin       | 17 Queen St. | -40.621493 | 175.285703 |           | 1966 | 10    | 11  | Pritchard, J.F.           | Rosa sp.                       | Rosa                 |                    |
| 1           | Myzaphis rosarum       | Myzaphis rosarum       |            | New Zealand | WN                   | Wellington       |        | Levin       |              | -40.621845 | 175.286588 |           | 1966 | 11    | 8   |                           | Rosa sp.                       | Rosa                 |                    |
| 1           | Myzaphis rosarum       | Myzaphis rosarum       |            | New Zealand | WN                   | Wellington       |        | Levin       |              | -40.621845 | 175.286588 |           | 1966 | ?     | 13  |                           | Rosa sp.                       | Rosa                 |                    |
| 1           | Myzaphis rosarum       | Myzaphis rosarum       |            | New Zealand |                      |                  |        |             |              |            |            |           |      |       |     | Voice, D.                 | roses                          | Rosa                 |                    |
| 2           | Myzus ascalonicus      | Myzus ascalonicus      |            | New Zealand | WN                   | Wellington       |        | Levin       | 17 Queen St. | -40.621493 | 175.285703 |           | 1966 | 9     | 27  | Pritchard, J.F.           | carrot leaves                  | Daucus carota        |                    |
| 1           | Myzus ascalonicus      | Myzus ascalonicus      |            | New Zealand | WN                   | Wellington       |        | Levin       | Queen St.    | -40.621493 | 175.285703 |           | 1966 | 11    | 9   | Pritchard, J.F.           | chives                         | Allium schoenoprasum |                    |
| 1           | Myzus cerasi           | Myzus cerasi           |            | New Zealand | WN                   | Wellington       |        | Levin       |              | -40.621845 | 175.286588 |           | 1966 | 10    | 13  | Roxburgh, N.              | Coronopus didymus (twin cress) | Coronopus didymus    |                    |
| 2           | Myzus cerasi           | Myzus cerasi           |            | New Zealand | WN                   | Wellington       |        | Levin       |              | -40.621845 | 175.286588 |           | 1966 | 10    | 13  | Roxburgh, N.              | Gallium sp.                    | Gallium              |                    |
| 1           | Myzus cerasi           | Myzus cerasi           |            | New Zealand | WN                   | Wellington       |        | Levin       | H.R.C.       | -40.653232 | 175.275183 |           | 1977 | 12    | 18  | Gourlay, H.               | strawberries                   | Fragaria             |                    |
| 1           | Myzus cerasi           | Myzus cerasi           |            | New Zealand | MB                   | Marlborough      |        | Blenheim    |              | -41.516457 | 173.953239 |           | 1978 | 1     | 19  | Rainbow, A.F.             | Prunus sp.                     | Prunus               |                    |
| 2           | Myzus cerasi           | Myzus cerasi           |            | New Zealand | CO                   | Central Otago    |        | Earnsclough | Taylor       | -45.216060 | 169.310859 |           | 1978 | 12    | 6   | Stephenson, B.P.          | cherries                       | Prunus               |                    |
| 1           | Myzus cerasi           | Myzus cerasi           |            | New Zealand | MC                   | Mid Canterbury   |        |             |              |            |            |           |      |       |     |                           | cherry                         | Prunus               |                    |
| 4           | Myzus cerasi           | Myzus cerasi           |            | New Zealand | MB                   | Marlborough      |        |             |              |            |            |           |      |       |     |                           | cherry                         | Prunus               |                    |
| 3           | Myzus cerasi           | Myzus cerasi           |            | New Zealand | CO                   | Central Otago    |        |             |              |            |            |           |      |       |     |                           | cherry                         | Prunus               |                    |
| 1           | Myzus cerasi           | Myzus cerasi           |            | New Zealand | MB                   | Marlborough      |        |             |              |            |            |           |      |       |     |                           |                                |                      |                    |
| 1           | Myzus cymbalariae      | Myzus cymbalariae      |            | New Zealand | AK                   | Auckland         |        | Pakuranga   |              | -36.911421 | 174.871040 |           | 1977 | 12    | 12  | Mattson, L.               | Allium cepa                    | Allium cepa          |                    |
| 2           | Myzus ornatus          | Myzus ornatus          |            | New Zealand | WN                   | Wellington       |        | Levin       |              | -40.621845 | 175.286588 |           | 1965 | 9     | 19  | Morrison, L.G.            | coleus                         |                      |                    |

| slide count | label det      | species        | det by     | country     | admin1 / Crosby area | admin2         | admin3 | locality    | site                         | lat        | long       | elevation | year | month | day | collector        | label host                  | stand host            | notes for database |
|-------------|----------------|----------------|------------|-------------|----------------------|----------------|--------|-------------|------------------------------|------------|------------|-----------|------|-------|-----|------------------|-----------------------------|-----------------------|--------------------|
| 1           | Myzus ornatus  | Myzus ornatus  |            | New Zealand | WN                   | Wellington     |        | Levin       |                              | -40.621845 | 175.286588 |           | 1965 | 10    | 25  | Pritchard, J.F.  | beans                       | Phaseolus             |                    |
| 2           | Myzus ornatus  | Myzus ornatus  |            | New Zealand | WN                   | Wellington     |        | Levin       |                              | -40.621845 | 175.286588 |           | 1966 | 2     | 28  | Ward, A.         | moth plant                  | Araujia sericifera    |                    |
| 2           | Myzus ornatus  | Myzus ornatus  |            | New Zealand | MK                   | Mackenzie      |        | Ohau        |                              | -44.260166 | 169.816912 |           | 1966 | 3     | 19  | Ward, A.         | Urtica ferox                | Urtica ferox          |                    |
| 1           | Myzus ornatus  | Myzus ornatus  |            | New Zealand | BP                   | Bay of Plenty  |        | Tauranga    | waste land                   | -37.687078 | 176.166813 |           | 1966 | 5     | 13  | Powell, R.H.     | Senecio sp.                 | Senecio               |                    |
| 2           | Myzus ornatus  | Myzus ornatus  |            | New Zealand | BP                   | Bay of Plenty  |        | Te Puna     | garden                       | -37.695927 | 176.072414 |           | 1966 | 5     | 14  | Powell, R.H.     | Senecio grandiflora         | Senecio grandiflora   |                    |
| 1           | Myzus ornatus  | Myzus ornatus  |            | New Zealand | WN                   | Wellington     |        | Levin       | 17 Queen St.                 | -40.621493 | 175.285703 |           | 1966 | 6     | 30  | Pritchard, J.F.  | chrysanthemum               | Chrysanthemum         |                    |
| 1           | Myzus ornatus  | Myzus ornatus  |            | New Zealand |                      | Wellington     |        | Levin       | garden                       | -40.621845 | 175.286588 |           | 1966 | 8     | 21  | Meddings, S.     | Polyanthus                  | Polyanthus            |                    |
| 2           | Myzus ornatus  | Myzus ornatus  |            | New Zealand | WN                   | Wellington     |        | Levin       | 17 Queen St.                 | -40.621493 | 175.285703 |           | 1966 | 10    | 3   | Pritchard, J.F.  | rhubarb leaves              | Rheum rhabarbarum     |                    |
| 1           | Myzus ornatus  | Myzus ornatus  |            | New Zealand | WN                   | Wellington     |        | Levin       | wasteland                    | -40.621845 | 175.286588 |           | 1966 | 10    | 15  | Roxburgh, N.     | Sisymbrium officinale       | Sisymbrium officinale |                    |
| 1           | Myzus ornatus  | Myzus ornatus  |            | New Zealand | AK                   | Auckland       |        |             |                              |            |            |           | 1977 | 7     | 5   | Bougiovanni, J.  | Fuchsia                     | Fuchsia               |                    |
| 1           | Myzus ornatus  | Myzus ornatus  |            | New Zealand | WN                   | Wellington     |        | Levin       | H.R.C.                       | -40.653232 | 175.275183 |           | 1977 | 7     | 7   | Goldie, J        | Aphelandra sp.              | Aphelandra sp.        |                    |
| 1           | Myzus ornatus  | Myzus ornatus  |            | New Zealand |                      |                |        |             |                              |            |            |           | 1978 | 9     | 19  | Andrews, S.J.    | orchid blooms               |                       |                    |
| 1           | Myzus ornatus  | Myzus ornatus  |            | New Zealand | AK                   | Auckland       |        | Titirangi   |                              | -36.937952 | 174.655868 |           | 1978 | 10    | 13  | Ockleston, S.R.  | sweet pea                   | Lathyrus odoratus     |                    |
| 2           | Myzus ornatus  | Myzus ornatus  |            | New Zealand | SL                   | Southland      |        | Gore        |                              | -46.100635 | 168.944383 |           | 1979 | 12    | 10  | Stephenson, B.P. | Hacquetia                   | Hacquetia             |                    |
| 1           | Myzus ornatus  | Myzus ornatus  |            | New Zealand | AK                   | Auckland       |        | Auckland    |                              | -36.847385 | 174.765735 |           | 1981 | 10    | 12  | Webber, H.J.     | export artichokes           | Cynara cardunculus    |                    |
| 1           | Myzus ornatus  | Myzus ornatus  | Bejakovich | New Zealand | BP                   | Bay of Plenty  |        | Te Puke     |                              | -37.782225 | 176.319489 |           |      |       |     | Beal, K.         |                             | Actinidia deliciosa?  | kiwifruit survey   |
| 1           | Myzus ornatus  | Myzus ornatus  | Bejakovich | New Zealand |                      |                |        |             |                              |            |            |           |      |       |     |                  | pansy                       | Viola                 |                    |
| 5           | Myzus persicae | Myzus persicae |            | New Zealand | DN                   | Dunedin        |        | Dunedin     |                              | -45.874560 | 170.503388 |           | 1963 | 3     | 14  | Mayo, I.         | cabbage                     | Brassica oleracea     |                    |
| 1           | Myzus persicae | Myzus persicae |            | New Zealand | WN                   | Wellington     |        | Otaki       |                              | -40.757787 | 175.152441 |           | 1963 | 11    | 7   | Waters, R.A.S.   | trap                        |                       |                    |
| 2           | Myzus persicae | Myzus persicae |            | New Zealand | HB                   | Hawkes Bay     |        | Hawkes Bay  | T. Kroagrange[?]             |            |            |           | 1964 | 2     | 24  | Ward, A.         |                             |                       |                    |
| 2           | Myzus persicae | Myzus persicae |            | New Zealand | WN                   | Wellington     |        | Levin       |                              | -40.621845 | 175.286588 |           | 1964 | 4     | 20  | Morrison, M.     | tree tomato                 | Solanum betaceum      |                    |
| 2           | Myzus persicae | Myzus persicae |            | New Zealand | WN                   | Wellington     |        | Levin       |                              | -40.621845 | 175.286588 |           | 1965 | 10    | 25  | Pritchard, J.    | beans                       | Phaseolus             |                    |
| 1           | Myzus persicae | Myzus persicae |            | New Zealand | WO                   | Waikato        |        | Te Kauwhata |                              | -37.404791 | 175.143073 |           | 1965 | 10    | 25  | Manson, D.C.M.   | netted from grass and weeds |                       |                    |
| 3           | Myzus persicae | Myzus persicae |            | New Zealand | WN                   | Wellington     |        | Levin       | Queen St.                    | -40.621493 | 175.285703 |           | 1965 | 11    | 39  | Pritchard, J.    | potato                      | Solanum tuberosum     |                    |
| 1           | Myzus persicae | Myzus persicae |            | New Zealand | WN                   | Wellington     |        | Levin       | Edinburgh St.                | -40.612936 | 175.281971 |           | 1966 | 3     | 12  | Ward, A.         | dandelion                   | Taraxacum             |                    |
| 1           | Myzus persicae | Myzus persicae |            | New Zealand | MC                   | Mid Canterbury |        | Winchmore   |                              | -43.829618 | 171.716367 |           | 1966 | 3     | 18  | Wood, J.         | light trap                  |                       |                    |
| 2           | Myzus persicae | Myzus persicae |            | New Zealand | WN                   | Wellington     |        | Levin       | Possum Corner, Gladstone Rd. | -40.658439 | 175.346462 |           | 1966 | 3     | 29  | Pritchard, J.F.  | Clematis                    | Clematis              |                    |
| 1           | Myzus persicae | Myzus persicae |            | New Zealand | WN                   | Wellington     |        | Levin       | H.R.C.                       | -40.653232 | 175.275183 |           | 1966 | 6     | 17  | Pritchard, J.    | cauliflower                 | Brassica              |                    |
| 1           | Myzus persicae | Myzus persicae |            | New Zealand | AK                   | Auckland       |        | Auckland    |                              | -36.847385 | 174.765735 |           | 1966 | 6     | 28  | Hyde, N.H.       | Chrysanthemum               | Chrysanthemum         |                    |

| slide count | label det      | species        | det_by          | country     | admin1 / Crosby area | admin2           | admin3 | locality     | site                                | lat        | long       | elevation | year | month | day | collector                          | label_host                | stand_host            | notes for database |
|-------------|----------------|----------------|-----------------|-------------|----------------------|------------------|--------|--------------|-------------------------------------|------------|------------|-----------|------|-------|-----|------------------------------------|---------------------------|-----------------------|--------------------|
| 2           | Myzus persicae | Myzus persicae |                 | New Zealand |                      |                  |        |              | H.R.C.                              |            |            |           | 1966 | 6     | 29  | Pritchard                          | Nicotiana glutinosa       | Nicotiana glutinosa   |                    |
| 1           | Myzus persicae | Myzus persicae |                 | New Zealand | WN                   | Wellington       |        | Levin        | waste land                          | -40.621845 | 175.286588 |           | 1966 | 10    | 15  | Roxburgh, N.                       | Sisymbrium officinale     | Sisymbrium officinale |                    |
| 2           | Myzus persicae | Myzus persicae |                 | New Zealand | MC                   | Mid Canterbury   |        | Christchurch |                                     | -43.516490 | 172.640699 |           | 1967 | 2     | 7   | Yates, R.E.                        | carnations                | Dianthus              |                    |
| 2           | Myzus persicae | Myzus persicae |                 | New Zealand | MC                   | Mid Canterbury   |        | Christchurch |                                     | -43.516490 | 172.640699 |           | 1967 | 4     | 28  | Yates, R.E.                        | chrysanthemum flowers     | Chrysanthemum         |                    |
| 1           | Myzus persicae | Myzus persicae | Johannesson, J. | New Zealand | AK                   | Auckland         |        | Auckland     |                                     | -36.847385 | 174.765735 |           | 1976 | 1     | 19  |                                    | cabbage                   | Brassica oleracea     |                    |
| 3           | Myzus persicae | Myzus persicae |                 | New Zealand |                      |                  |        |              |                                     |            |            |           | 1976 | 5     | 10  | Lomat, N.A.P.                      | Chysanthemum              | Chrysanthemum         |                    |
| 1           | Myzus persicae | Myzus persicae |                 | New Zealand |                      |                  |        |              |                                     |            |            |           | 1976 | 5     | 14  | Brown, P.D.                        | Chrysanthemum             | Chrysanthemum         |                    |
| 1           | Myzus persicae | Myzus persicae |                 | New Zealand |                      |                  |        |              |                                     |            |            |           | 1977 | 10    | 5   | Baigent                            | celery                    | Apium graveolens      |                    |
| 2           | Myzus persicae | Myzus persicae |                 | New Zealand | AK                   | Auckland         |        | Bombay       |                                     | -37.186767 | 174.991418 |           | 1977 | 11    | 7   | Llock, A.R.B.                      | Dianthus                  | Dianthus              |                    |
| 2           | Myzus persicae | Myzus persicae | VFE             | New Zealand | NN                   | Nelson           |        | Westport     | 114 Queen St.; J. Ames              | -41.760265 | 171.602516 |           | 1977 | 11    | 28  | Jarman, R.A.                       | pot plant                 |                       |                    |
| 1           | Myzus persicae | Myzus persicae |                 | New Zealand | MC                   | Mid Canterbury   |        |              | Marshlands Rd; G. Keats & K. Harris | -43.485516 | 172.660490 |           | 1978 | 10    | 25  | Sommerfield, K.G./Stephenson, B.P. | lettuce                   | Lactuca sativa        | lettuce survey     |
| 1           | Myzus persicae | Myzus persicae |                 | New Zealand | MC                   | Mid Canterbury   |        | Christchurch | Heathvale orchard; R. Band          | -43.516490 | 172.640699 |           | 1978 | 10    | 25  | Stephenson, B.P.                   | lettuce                   | Lactuca sativa        | lettuce survey     |
| 1           | Myzus persicae | Myzus persicae |                 | New Zealand | MC                   | Mid Canterbury   |        | Christchurch | Prestons Rd.; L. Trott              | -43.474781 | 172.64668  |           | 1978 | 10    | 25  | Sommerfield, K.G./Stephenson, B.P. | lettuce                   | Lactuca sativa        | lettuce survey     |
| 2           | Myzus persicae | Myzus persicae |                 | New Zealand | MC                   | Mid Canterbury   |        | Ashburton    | property of P. Bonifont             | -43.902496 | 171.749326 |           | 1978 | 11    | 17  | Stephenson, B.P.                   |                           |                       |                    |
| 1           | Myzus persicae | Myzus persicae | VFE             | New Zealand | MC                   | Mid Canterbury   |        | Ashburton    | property of P. Bonifont             | -43.902496 | 171.749326 |           | 1978 | 11    | 22  | Stephenson, B.P.                   | yarrow in asparagus patch | Achillea millefolium  |                    |
| 1           | Myzus persicae | Myzus persicae |                 | New Zealand | AK                   | Auckland         |        | Auckland     |                                     | -36.847385 | 174.765735 |           | 1979 | 1     | 19  | Wing, M.R.                         | Capsicum                  | Camellia              |                    |
| 5           | Myzus persicae | Myzus persicae |                 | New Zealand | NN                   | Nelson           |        | Motueka      |                                     | -41.110107 | 173.011121 |           | 1980 | 2     | 5   | McCurran, A.G.                     | tobacco                   | Nicotiana tabacum     |                    |
| 3           | Myzus persicae | Myzus persicae | BPS             | New Zealand | MC                   | Mid Canterbury   |        | Tai Tapu     | M. Jerard                           | -43.662041 | 172.547629 |           | 1982 | 3     |     | Stephenson, B.P.                   | Gypsophila                | Gypsophila            |                    |
| 1           | Myzus persicae | Myzus persicae |                 | New Zealand | SC                   | South Canterbury |        | Timaru       |                                     | -44.396800 | 171.250098 |           | 1996 |       |     | Bejakovich, D.                     |                           | Pisum sativum?        | pea survey         |
| 1           | Myzus persicae | Myzus persicae |                 | New Zealand | SC                   | South Canterbury |        | Timaru       |                                     | -44.396800 | 171.250098 |           | 1996 |       |     | Bejakovich, D.                     |                           | Pisum sativum?        | pea survey         |
| 1           | Myzus persicae | Myzus persicae | Bejakovich      | New Zealand | MC                   | Mid Canterbury   |        | Aylesbury    |                                     | -43.530001 | 172.268267 |           | 1996 |       |     | Alexander, B./M. Cliptorn          |                           | Pisum sativum?        | pea survey         |
| 1           | Myzus persicae | Myzus persicae |                 | New Zealand | DN                   | Dunedin          |        | Kurow        |                                     | -44.731278 | 170.469149 |           | 1997 | 10    | 13  | Adams, R./Brown, C.                | nectarine on bark         | Prunus persica        |                    |
| 5           | Myzus persicae | Myzus persicae |                 | New Zealand | CO                   | Central Otago    |        | Alexandra    |                                     | -45.251666 | 169.388507 |           | 1997 | 10    | 15  | Adams, R./Brown, C.                | nectarine                 | Prunus persica        |                    |
| 2           | Myzus persicae | Myzus persicae |                 | New Zealand | NN                   | Nelson           |        |              |                                     |            |            |           | 1997 | 11    | 18  |                                    | nectarine foliage         | Prunus persica        |                    |
| 4           | Myzus persicae | Myzus persicae |                 | New Zealand | CO                   | Central Otago    |        |              |                                     |            |            |           | 1997 | 11    | 24  |                                    | apricot                   | Prunus armenica       |                    |
| 1           | Myzus persicae | Myzus persicae |                 | New Zealand | CO                   | Central Otago    |        |              |                                     |            |            |           | 1997 | 12    | 11  |                                    | Jap. Plum foliage         | Prunus salicina       |                    |
| 1           | Myzus persicae | Myzus persicae |                 | New Zealand | CO                   | Central Otago    |        |              |                                     |            |            |           | 1997 |       |     |                                    | apricot leaves            | Prunus armenica       |                    |
| 1           | Myzus persicae | Myzus persicae |                 | New Zealand | CO                   | Central Otago    |        |              |                                     |            |            |           | 1997 |       |     |                                    | apricot leaves            | Prunus armenica       |                    |
| 1           | Myzus persicae | Myzus persicae |                 | New Zealand | CO                   | Central Otago    |        |              |                                     |            |            |           | 1997 |       |     |                                    | Jap. Plum foliage         | Prunus salicina       |                    |

| slide count | label det      | species        | det_by      | country     | admin1 / Crosby area | admin2           | admin3       | locality         | site              | lat        | long       | elevation | year | month | day | collector                  | label host              | stand host             | notes for database |
|-------------|----------------|----------------|-------------|-------------|----------------------|------------------|--------------|------------------|-------------------|------------|------------|-----------|------|-------|-----|----------------------------|-------------------------|------------------------|--------------------|
| 1           | Myzus persicae | Myzus persicae |             | New Zealand | NN                   | Nelson           |              |                  |                   |            |            |           | 1997 |       |     |                            | Jap. Plum, on leaves    | Prunus salicina        |                    |
| 2           | Myzus persicae | Myzus persicae | Bejakovich  | New Zealand | MC                   | Mid Canterbury   |              | Christchurch     | greenhouse        | -43.516490 | 172.640699 |           | 1997 |       |     |                            | lettuce                 | Lactuca sativa         |                    |
| 1           | Myzus persicae | Myzus persicae |             | New Zealand | WA                   | Wairarapa        |              |                  |                   |            |            |           | 1997 |       |     |                            | nect. Foliage           | Prunus persica         |                    |
| 1           | Myzus persicae | Myzus persicae |             | New Zealand | CO                   | Central Otago    |              |                  |                   |            |            |           | 1997 |       |     |                            | nect. Leaves            | Prunus persica         |                    |
| 1           | Myzus persicae | Myzus persicae |             | New Zealand | MC                   | Mid Canterbury   |              |                  |                   |            |            |           | 1997 |       |     |                            | nectarine               | Prunus persica         |                    |
| 1           | Myzus persicae | Myzus persicae |             | New Zealand | MB                   | Marlborough      |              |                  |                   |            |            |           | 1997 |       |     |                            | nectarine, beat sample  | Prunus persica         |                    |
| 1           | Myzus persicae | Myzus persicae |             | New Zealand | CO                   | Central Otago    |              |                  |                   |            |            |           | 1997 |       |     |                            | peach                   | Prunus persica         |                    |
| 2           | Myzus persicae | Myzus persicae |             | New Zealand | WA                   | Wairarapa        |              |                  |                   |            |            |           | 1997 |       |     |                            | peach foliage           | Prunus persica         |                    |
| 1           | Myzus persicae | Myzus persicae |             | New Zealand | MB                   | Marlborough      |              |                  |                   |            |            |           | 1997 |       |     |                            |                         |                        |                    |
| 1           | Myzus persicae | Myzus persicae |             | New Zealand | MB                   | Marlborough      |              |                  |                   |            |            |           | 1997 |       |     |                            |                         |                        |                    |
| 1           | Myzus persicae | Myzus persicae |             | New Zealand | CO                   | Central Otago    |              |                  |                   |            |            |           | 1998 | 1     |     |                            | nectarine               | Prunus persica         |                    |
| 1           | Myzus persicae | Myzus persicae |             | New Zealand | HB                   | Hawkes Bay       |              |                  |                   |            |            |           | 1998 | 2     | 25  |                            |                         |                        |                    |
| 1           | Myzus persicae | Myzus persicae |             | New Zealand | CO                   | Central Otago    |              |                  |                   |            |            |           | 1998 |       |     |                            | nectarine beat sample   | Prunus persica         |                    |
| 2           | Myzus persicae | Myzus persicae |             | New Zealand | CO                   | Central Otago    |              |                  |                   |            |            |           | 1998 |       |     |                            | nectarine, beat         | Prunus persica         |                    |
| 1           | Myzus persicae | Myzus persicae | Bejakovich  | New Zealand | BP                   | Bay of Plenty    | Christchurch | Tauranga         |                   | -37.687078 | 176.166813 |           | 1999 | 3     | 25  | Holder, P.W.               | tamarillo leaf          | Solanum betaceum       |                    |
| 1           | Myzus persicae | Myzus persicae | Bejakovich  | New Zealand | MC                   | Mid Canterbury   |              | Marshlands       |                   | -43.479954 | 172.659996 |           | 1999 | 4     | 1   | Vautbot, R.                | cabbage                 | Brassica oleracea      |                    |
| 1           | Myzus persicae | Myzus persicae | Bejakovich  | New Zealand | GB                   | Gisborne         |              | Gisborne         |                   | -38.666381 | 178.025949 |           | 1999 | 4     | 19  | Bauer, S.                  | tamarillo leaf          | Solanum betaceum       |                    |
| 1           | Myzus persicae | Myzus persicae | Bejakovich  | New Zealand | BP                   | Bay of Plenty    |              | Tauranga         |                   | -37.687078 | 176.166813 |           | 1999 | 4     | 22  | Bauer, S.                  | tamarillo leaf          | Solanum betaceum       |                    |
| 2           | Myzus persicae | Myzus persicae |             | New Zealand | CO                   | Central Otago    |              |                  |                   |            |            |           | 1999 |       |     |                            | nect. Leaves            | Prunus persica         |                    |
| 1           | Myzus persicae | Myzus persicae |             | New Zealand | MC                   | Mid Canterbury   |              | Christchurch     |                   | -43.516490 | 172.640699 |           |      |       |     | Bejakovich, D.             |                         | Phaseolus?             | bean survey        |
| 1           | Myzus persicae | Myzus persicae | Bejakovich  | New Zealand | MC                   | Mid Canterbury   |              | Leeston          |                   | -43.763763 | 172.295312 |           |      |       |     | Alexander, B./Cliptorn, M. |                         | Pisum sativum?         | pea survey         |
| 1           | Myzus persicae | Myzus persicae | Bejakovich  | New Zealand | MC                   | Mid Canterbury   |              | Christchurch     |                   | -43.516490 | 172.640699 |           |      |       |     | Alexander, B./Cliptorn, M. |                         | Pisum sativum?         | pea survey         |
| 1           | Myzus persicae | Myzus persicae | Bejakovich  | New Zealand | SC                   | South Canterbury |              | Seadown          |                   | -44.298686 | 171.275097 |           |      |       |     | Bauer, S.                  |                         | Pisum sativum?         | pea survey         |
| 1           | Myzus persicae | Myzus persicae | Bejakovich  | New Zealand | MC                   | Mid Canterbury   |              | Seddon           |                   | -41.670009 | 174.073636 |           |      |       |     | Alexander, B./LeCrea, S.   |                         | Pisum sativum?         | pea survey         |
| 1           | Myzus persicae | Myzus persicae | Bejakovich  | New Zealand | CO                   | Central Otago    |              | Roxburgh         |                   | -45.539919 | 169.313904 |           |      |       |     |                            | apricot                 | Prunus armenica        |                    |
| 1           | Myzus persicae | Myzus persicae | Bejakovich  | New Zealand |                      |                  |              |                  | PEQ Food and Crop |            |            |           |      |       |     |                            | Arracacia xanthorrhiza  | Arracacia xanthorrhiza |                    |
| 3           | Myzus persicae | Myzus persicae |             | New Zealand | WI                   | Wanganui         |              | Palmerston North |                   | -40.355746 | 175.612190 |           |      |       |     | Hollows                    | Chrys.                  | Chrysanthemum          |                    |
| 1           | Myzus persicae | Myzus persicae | Carina 2007 | New Zealand | MC                   | Mid Canterbury   |              |                  |                   |            |            |           |      |       |     | Pickering, R.              | Hordeum                 | Hordeum                |                    |
| 1           | Myzus persicae | Myzus persicae | Bejakovich  | New Zealand | NN                   | Nelson           |              |                  |                   |            |            |           |      |       |     |                            | kiwi leaf               | Actinidia deliciosa    |                    |
| 1           | Myzus persicae | Myzus persicae | A. Lowe     | New Zealand | MC                   | Mid Canterbury   |              | Christchurch     | 69 Tomes Rd       | -43.501265 | 172.619558 | 7m        |      |       |     | Braithwaite, M.            | Lycopersicon esculentum | Solanum lycopersicum   |                    |
| 1           | Myzus persicae | Myzus persicae |             | New Zealand | NN                   | Nelson           |              |                  |                   |            |            |           |      |       |     |                            | nectarine               | Prunus persica         |                    |

| slide count | label det                | species                | det by         | country     | admin1 / Crosby area | admin2         | admin3       | locality                    | site          | lat        | long       | elevation | year | month | day | collector         | label host                  | stand host           | notes for database |
|-------------|--------------------------|------------------------|----------------|-------------|----------------------|----------------|--------------|-----------------------------|---------------|------------|------------|-----------|------|-------|-----|-------------------|-----------------------------|----------------------|--------------------|
| 2           | Myzus persicae           | Myzus persicae         |                | New Zealand | HB                   | Hawkes Bay     |              |                             |               |            |            |           |      |       |     |                   | peach                       | Prunus persica       |                    |
| 2           | Myzus persicae           | Myzus persicae         | MOD            | New Zealand | WI                   | Wanganui       |              |                             |               |            |            |           |      |       |     |                   | tamarillo                   | Solanum betaceum     |                    |
| 1           | Myzus persicae           | Myzus persicae         | Bejakovich     | New Zealand | BP                   | Bay of Plenty  |              | Opotiki                     |               | -38.004206 | 177.287115 |           |      |       |     |                   | tamarillo leaf              | Solanum betaceum     |                    |
| 2           | Myzus persicae           | Myzus persicae         | Bejakovich     | New Zealand | BP                   | Bay of Plenty  |              | Opotiki                     |               | -38.004206 | 177.287115 |           |      |       |     |                   | tamarillo leaf              | Solanum betaceum     |                    |
| 1           | Myzus persicae           | Myzus persicae         | Bejakovich     | New Zealand | TK                   | Taranaki       |              | Omata                       |               | -39.093957 | 174.020440 |           |      |       |     | Braithwaite, M.   | tamarillo leaves            | Solanum betaceum     |                    |
| 3           | Myzus persicae           | Myzus persicae         | Bejakovich     | New Zealand | TK                   | Taranaki       |              | Omata                       |               | -39.093957 | 174.020440 |           |      |       |     |                   | tamarillo leaves            | Solanum betaceum     |                    |
| 2           | Myzus persicae           | Myzus persicae         |                | New Zealand | WO                   | Waikato        |              |                             |               |            |            |           |      |       |     |                   | tamarillo leaves            | Solanum betaceum     |                    |
| 2           | Myzus persicae           | Myzus persicae         | MOD            | New Zealand | GB                   | Gisborne       |              |                             |               |            |            |           |      |       |     |                   | tamarillo leaves            | Solanum betaceum     |                    |
| 1           | Myzus persicae           | Myzus persicae         |                | New Zealand |                      |                |              |                             |               |            |            |           |      |       |     |                   |                             |                      |                    |
| 1           | Myzus persicae           | Myzus persicae         | Bejakovich     | New Zealand | NN                   | Nelson         |              |                             |               |            |            |           |      |       |     |                   |                             |                      |                    |
| 1           | Nasonovia ribisnigri     | Nasonovia ribisnigri   | Stufkens/Flynn | New Zealand | MC                   | Mid Canterbury | Christchurch | Marshlands; McSavineys Road |               | -43.485145 | 172.655398 |           | 2002 | 4     | 2   | Watson, John      | lettuce Lactuca             | Lactuca sativa       |                    |
| 4           | Nasonovia ribisnigri     | Nasonovia ribisnigri   |                | New Zealand | MC                   | Mid Canterbury |              | Lincoln                     |               | -43.640326 | 172.483995 |           | 2002 | 7     | 19  | Voice, D.         | lettuce                     | Lactuca sativa       |                    |
| 2           | Nasonovia ribisnigri     | Nasonovia ribisnigri   | Flynn          | New Zealand | MC                   | Mid Canterbury |              | Christchurch                | Cranford St.  | -43.499975 | 172.629829 |           |      |       |     |                   | lettuce                     | Lactuca sativa       |                    |
| 2           | Neomyzus circumflexus    | Neomyzus circumflexus  |                | New Zealand | WO                   | Waikato        |              | Te Kauwhata                 |               | -37.404791 | 175.143073 |           | 1965 | 10    | 26  | Manson, D.C.M.    | arum lily                   | Zantedeschia         |                    |
| 2           | Neomyzus circumflexus    | Neomyzus circumflexus  |                | New Zealand | MC                   | Mid Canterbury |              | Christchurch                |               | -43.516490 | 172.640699 |           | 1970 | 10    | 24  | Gottermeyer, F.K. | lettuce                     | Lactuca sativa       |                    |
| 1           | Aulacorthum circumflexum | Neomyzus circumflexus  |                | New Zealand |                      |                |              |                             |               |            |            |           |      |       |     |                   | kiwifruit                   | Actinidia deliciosa  | subtropical survey |
| 1           | Aulacorthum circumflexum | Neomyzus circumflexus  |                | New Zealand | BP                   | Bay of Plenty  |              |                             |               |            |            |           |      |       |     |                   | kiwi leaf                   | Actinidia deliciosa  |                    |
| 1           | Neophyllaphis totarae    | Neophyllaphis totarae  |                | New Zealand | WN                   | Wellington     |              | Levin                       | Cambridge St. | -40.620761 | 175.289985 | 34m       | 1967 | 5     | 2   | Pritchard, J.F.   | totara                      | Podocarpus totara    | native aphid       |
| 1           | Neophyllaphis totarae    | Neophyllaphis totarae  |                | New Zealand | MC                   | Mid Canterbury |              | Lincoln                     |               | -43.640326 | 172.483995 | 9m        | 1985 | 10    |     | Greene, K.        | totara                      | Podocarpus totara    | native aphid       |
| 1           | Neotoxoptera             | Neotoxoptera           |                | New Zealand | MC                   | Mid Canterbury |              | Christchurch                |               | -43.516490 | 172.640699 |           |      |       |     |                   | onion?                      |                      |                    |
| 2           | Neotoxoptera formosana   | Neotoxoptera formosana |                | New Zealand | WA                   | Wairarapa      |              | Dannevirke                  |               | -40.207508 | 176.104084 |           | 1981 | 1     | 15  | Willis, B.        | shallots                    | Allium cepa          |                    |
| 4           | Neotoxoptera formosana   | Neotoxoptera formosana |                | New Zealand | WN                   | Wellington     |              | Levin                       |               | -40.621845 | 175.286588 |           | 1981 | 11    | 6   | Dunn, A.E.        | garlic                      | Allium sativum       |                    |
| 1           | Neotoxoptera oliveri     | Neotoxoptera oliveri   |                | New Zealand | AK                   | Auckland       |              | Pukekohe                    |               | -37.200630 | 174.903626 |           | 1962 | 9     | 25  |                   | onions                      | Allium cepa          |                    |
| 2           | Neotoxoptera oliveri     | Neotoxoptera oliveri   |                | New Zealand | WI                   | Wanganui       |              | Wanganui                    |               | -39.932505 | 175.038504 |           | 1966 | 5     | 4   | Muirhead, J.C.    | onions                      | Allium cepa          |                    |
| 3           | Neotoxoptera oliveri     | Neotoxoptera oliveri   |                | New Zealand | WN                   | Wellington     |              | Levin                       |               | -40.621845 | 175.286588 |           | 1967 | 2     | 6   | Laundon, G.F.     | onions                      | Allium cepa          |                    |
| 2           | Neotoxoptera oliveri     | Neotoxoptera oliveri   |                | New Zealand | BP                   | Bay of Plenty  |              | Katikati                    |               | -37.553779 | 175.917139 |           | 1968 | 8     | 30  | Brown, P.D.       | onions                      | Allium cepa          |                    |
| 1           | Neotoxoptera oliveri     | Neotoxoptera oliveri   |                | New Zealand |                      |                |              |                             |               |            |            |           | 1976 | 8     | 18  | Winfala, B.J.     | garlic                      | Allium sativum       |                    |
| 5           | Neotoxoptera violae      | Neotoxoptera violae    | BPS            | New Zealand | NN                   | Nelson         |              | Appleby                     |               | -41.302395 | 173.113743 |           | 1979 | 11    | 27  | Mulligan, P.E.    | chives                      | Allium schoenoprasum |                    |
| 1           | Ovatus crataegarius      | Ovatus crataegarius    |                | New Zealand | WO                   | Waikato        |              | Te kauwhata                 |               | -37.404791 | 175.143073 |           | 1965 | 10    | 25  | Manson, D.C.M.    | netted from grass and weeds |                      |                    |



| slide count | label det                        | species                      | det by     | country     | admin1 / Crosby area | admin2           | admin3           | locality     | site                                                  | lat        | long       | elevation | year | month | day | collector                 | label host                         | stand host        | notes for database |
|-------------|----------------------------------|------------------------------|------------|-------------|----------------------|------------------|------------------|--------------|-------------------------------------------------------|------------|------------|-----------|------|-------|-----|---------------------------|------------------------------------|-------------------|--------------------|
| 1           | Pemphigus ?bursarius             | Pemphigus                    |            | New Zealand | MC                   | Mid Canterbury   |                  | Rakaia       |                                                       | -43.756337 | 172.025093 |           | 1988 | 5     | 29  | Dolan, M.                 | roots of wasabi<br>Eutrem japonica | Eutrem japonica   |                    |
| 1           | Pemphigus bursarius              | Pemphigus bursarius          |            | New Zealand | WN                   | Wellington       |                  | Levin        | garden                                                | -40.621845 | 175.286588 |           | 1966 | 11    | 28  | Rainbow, A.F.             | roots of dock                      | Rumex             |                    |
| 1           | Pemphigus bursarius              | Pemphigus bursarius          |            | New Zealand | WA                   | Wairarapa        |                  | Greytown     |                                                       | -41.081013 | 175.459681 |           | 1969 | 6     | 6   | Muir, L.M.                | roots of raspberry                 | Rubus             |                    |
| 1           | Pemphigus bursarius              | Pemphigus bursarius          |            | New Zealand | AK                   | Auckland         |                  | Auckland     |                                                       | -36.847385 | 174.765735 |           | 1975 | 5     | 14  | Amos, J.                  | Sonchus arvensis                   | Sonchus arvensis  |                    |
| 1           | Pemphigus bursarius              | Pemphigus bursarius          |            | New Zealand | HB                   | Hawkes Bay       |                  | Hastings     |                                                       | -39.643530 | 176.843195 |           | 1977 | 11    | 21  | Thompson, M.              | apple and dock roots               |                   |                    |
| 1           | Pemphigus bursarius              | Pemphigus bursarius          |            | New Zealand | HB                   | Hawkes Bay       |                  | Hastings     |                                                       | -39.643530 | 176.843195 |           | 1979 | 5     | 11  | Barrie, C.M.              | in soil in grape nursery           |                   |                    |
| 4           | Pemphigus bursarius              | Pemphigus bursarius          |            | New Zealand | CO                   | Central Otago    |                  | Roxburgh     |                                                       | -45.539919 | 169.313904 |           | 1979 | 12    | 14  | Barton, P.                | galls on poplar leaf petioles      | Populus           |                    |
| 2           | Phyllaphis fagi                  | Phyllaphis fagi              |            | New Zealand | WN                   | Wellington       |                  | Levin        |                                                       | -40.621845 | 175.286588 |           | 1964 | 5     | 3   | Waters, R.A.S.            | copper beech                       | Fagus sylvatica   |                    |
| 1           | Phyllaphis fagi                  | Phyllaphis fagi              |            | New Zealand | CO                   | Central Otago    |                  | Moa Flat     | J.S. MacKay, Montana                                  | -45.724603 | 169.305414 |           | 1978 | 2     | 3   | Conway, D.N.              |                                    |                   |                    |
| 1           | Phyllaphis fagi                  | Phyllaphis fagi              | BPS        | New Zealand | DN                   | Dunedin          |                  | East Taieri  |                                                       | -45.895231 | 170.338353 |           | 1979 | 11    | 20  | Ward, R.A.                | Fagus sylvatica                    | Fagus sylvatica   |                    |
| 1           | Phylloxera glabra                | Phylloxera glabra            | Sunde      | New Zealand | CO                   | Central Otago    |                  | Cromwell     |                                                       | -45.042943 | 169.196686 |           | 1980 | 5     | 22  | Meadows, T.J.             | Quercus dentata                    | Quercus dentata   |                    |
| 1           | Pineus boernerii                 | Pineus boernerii             | Bejakovich | New Zealand | MC                   | Mid Canterbury   |                  | West Melton  |                                                       | -43.524064 | 172.369842 |           |      |       |     | Church, B.G.              | pine                               | Pinus             |                    |
| 1           | Pineus laevis                    | Pineus laevis                | Emms       | New Zealand | MC                   | Mid Canterbury   |                  | Christchurch | 16 School Rd., Halswell                               | -43.591035 | 172.569799 |           | 1982 | 1     | 30  | Lewis, H.D.               |                                    |                   |                    |
| 1           | Pineus laevis                    | Pineus laevis                | Bejakovich | New Zealand | MC                   | Mid Canterbury   |                  | Ashburton    |                                                       | -43.902496 | 171.749326 |           |      |       |     | Moffit, A./Bejakovich, D. |                                    | Lolium?           | ryegrass survey    |
| 2           | Pineus laevis                    | Pineus laevis                |            | New Zealand |                      |                  |                  |              |                                                       |            |            |           |      |       |     |                           |                                    |                   |                    |
| 5           | Pterocallis alni                 | Pterocallis alni             |            | New Zealand | WN                   | Wellington       | Palmerston North | Aokautere    |                                                       | -40.369199 | 175.661839 |           | 1982 | 5     | 14  | Bulloch, B.               | Alnus                              | Alnus             |                    |
| 1           | Rhopalosiphoninus latysiphon     | Rhopalosiphoninus latysiphon |            | New Zealand | WO                   | Waikato          |                  | Te Kauwhata  |                                                       | -37.404791 | 175.143073 |           | 1965 | 10    | 25  | Manson, D.C.M.            | netted from grass and weeds        |                   |                    |
| 1           | Rhopalosiphoninus latysiphon     | Rhopalosiphoninus latysiphon |            | New Zealand | WN                   | Wellington       |                  | Levin        | H.R.C.                                                | -40.653232 | 175.275183 |           | 1977 | 11    | 8   | Wong, S.K.                | yellow water trap                  |                   |                    |
| 3           | Rhopalosiphoninus latysiphon     | Rhopalosiphoninus latysiphon |            | New Zealand | DN                   | Dunedin          |                  | Waikouaiti   |                                                       | -45.599731 | 170.665252 |           | 1987 | 4     | 28  | Ferguson, C.              | yams                               |                   |                    |
| 3           | Rhopalosiphoninus staphyleae     | Rhopalosiphoninus staphyleae |            | New Zealand | MC                   | Mid Canterbury   |                  | Christchurch | Hadstock Park Ltd.                                    | -43.516490 | 172.640699 |           | 1967 | 4     | 6   | Bland, G.A.               | tulip bulbs                        | Tulipa            |                    |
| 1           | Rhopalosiphoninus staphyleae     | Rhopalosiphoninus staphyleae | VFE        | New Zealand | SI                   | Southland        |                  | Lumsden      |                                                       | -45.737852 | 168.441778 |           | 1979 | 1     |     | van Toor, R.              |                                    |                   |                    |
| 1           | Rhopalosiphoninus staphyleae     | Rhopalosiphoninus staphyleae | Bejakovich | New Zealand | MC                   | Mid Canterbury   |                  | Christchurch |                                                       | -43.516490 | 172.640699 |           |      |       |     |                           | carrot roots                       | Daucus carota     |                    |
| 1           | Rhopalosiphum <padi>/nsp nr padi | Rhopalosiphum                | Bejakovich | New Zealand | SC                   | South Canterbury | Timaru           | Otaio        | Otaio                                                 | -44.580820 | 171.158331 |           |      |       |     | Brown, W./Bejakovich, D.  |                                    | Avena sativa?     | oats survey        |
| 1           | Rhopalosiphum sp.                | Rhopalosiphum                |            | New Zealand | TK                   | Taranaki         |                  |              |                                                       |            |            |           |      |       |     |                           | passion fruit leaf                 | Passiflora edulis |                    |
| 1           | Rhopalosiphum sp.                | Rhopalosiphum                |            | New Zealand | BP                   | Bay of Plenty    |                  |              |                                                       |            |            |           |      |       |     |                           | passion fruit leaf                 | Passiflora edulis |                    |
| 3           | Rhopalosiphum insertum           | Rhopalosiphum insertum       |            | New Zealand | MC                   | Mid Canterbury   |                  |              | colony Lancare Research (prob. Crop & Food Research)* | -43.640274 | 172.47723  |           | 1997 | 12    |     | Bejakovich, D.            |                                    |                   | lab colony         |
| 1           | Rhopalosiphum insertum           | Rhopalosiphum insertum       | Bejakovich | New Zealand |                      |                  |                  |              |                                                       |            |            |           |      |       |     |                           |                                    |                   |                    |

| slide<br>count | label det                  | species                    | det_by      | country     | admin1 /<br>Crosby<br>area | admin2              | admin3   | locality     | site                              | lat        | long       | elevati<br>on | year | month | day | collector                       | label_host                         | stand_host           | notes for database |
|----------------|----------------------------|----------------------------|-------------|-------------|----------------------------|---------------------|----------|--------------|-----------------------------------|------------|------------|---------------|------|-------|-----|---------------------------------|------------------------------------|----------------------|--------------------|
| 1              | Rhopalosiphum maidis       | Rhopalosiphum maidis       |             | New Zealand | AK                         | Auckland            | Auckland | Glorit       |                                   | -36.464600 | 174.445839 |               | 1975 | 2     | 10  |                                 | broom corn                         | Panicum<br>miliaceum |                    |
| 1              | Rhopalosiphum maidis       | Rhopalosiphum maidis       |             | New Zealand | NN                         | Nelson              |          | Motueka      |                                   | -41.110107 | 173.011121 |               | 1979 | 1     | 26  | F.A.O.                          |                                    |                      |                    |
| 1              | Rhopalosiphum maidis       | Rhopalosiphum maidis       | Bejakovich  | New Zealand | MC                         | Mid Canterbury      |          | Rakaia       |                                   | -43.756337 | 172.025093 |               |      |       |     | Bauer,<br>S./Pearson, H.        |                                    | Pisum sativum?       | pea survey         |
| 1              | Rhopalosiphum<br>nymphaeae | Rhopalosiphum<br>nymphaeae |             | New Zealand | WN                         | Wellington          |          | Levin        | Queen St.                         | -40.621493 | 175.285703 |               | 1965 | 10    | 6   | Pritchard, J.F.                 | peach                              | Prunus persica       |                    |
| 2              | Rhopalosiphum<br>nymphaeae | Rhopalosiphum<br>nymphaeae |             | New Zealand | WN                         | Wellington          |          | Levin        | garden                            | -40.621845 | 175.286588 |               | 1966 | 11    | 1   | Pritchard, J.F.                 | plum foliage                       | Prunus               |                    |
| 1              | Rhopalosiphum<br>nymphaeae | Rhopalosiphum<br>nymphaeae |             | New Zealand |                            |                     |          |              |                                   |            |            |               | 1982 | 3     | 11  | Montefiore, N.                  | water lily                         |                      |                    |
| 1              | Rhopalosiphum<br>nymphaeae | Rhopalosiphum<br>nymphaeae |             | New Zealand | MC                         | Mid Canterbury      |          |              |                                   |            |            |               |      |       |     |                                 | plum foliage                       | Prunus               |                    |
| 2              | Rhopalosiphum padi         | Rhopalosiphum padi         |             | New Zealand | WO                         | Waikato             |          | Te Kauwhata  |                                   | -37.404791 | 175.143073 |               | 1965 | 10    | 25  | Manson,<br>D.C.M.               | netted from<br>grass and weeds     |                      |                    |
| 1              | Rhopalosiphum padi         | Rhopalosiphum padi         |             | New Zealand | MC                         | Mid Canterbury      |          | Winchmore    |                                   | -43.829618 | 171.716367 |               | 1966 | 3     | 21  | Wood, J.                        | perennial<br>ryegrass              | Lolium perenne       |                    |
| 2              | Rhopalosiphum padi         | Rhopalosiphum padi         |             | New Zealand | WN                         | Wellington          |          | Levin        | Papatonga Lake<br>Reserve         | -40.645206 | 175.230596 |               | 1966 | 8     | 7   | Ward, A.                        | grass                              |                      |                    |
| 2              | Rhopalosiphum padi         | Rhopalosiphum padi         | VFE         | New Zealand | WN                         | Wellington          |          | Levin        |                                   | -40.621845 | 175.286588 |               | 1966 | 10    | 13  | Roxburgh, N.                    | grass                              |                      |                    |
| 1              | Rhopalosiphum padi         | Rhopalosiphum padi         |             | New Zealand |                            |                     |          |              |                                   |            |            |               | 1968 | 2     | 22  | Williams, A.P.                  | sweet corn                         | Zea mays             |                    |
| 1              | Rhopalosiphum padi         | Rhopalosiphum padi         | Johannesson | New Zealand |                            |                     |          |              |                                   |            |            |               | 1976 | 1     | 8   | Hill, R.                        | Johnson grass                      | Sorghum              |                    |
| 3              | Rhopalosiphum padi         | Rhopalosiphum padi         |             | New Zealand | GB                         | Gisborne            |          | Gisborne     | Patutahi                          | -38.623253 | 177.892415 |               | 1976 | 3     | 4   | Pettigrew, C.S.                 | maize                              | Zea mays             |                    |
| 1              | Rhopalosiphum padi         | Rhopalosiphum padi         |             | New Zealand | MC                         | Mid Canterbury      |          | Lincoln      |                                   | -43.640326 | 172.483995 |               | 1978 | 6     | 2   | Youngman, R.                    |                                    |                      |                    |
| 4              | Rhopalosiphum padi         | Rhopalosiphum padi         |             | New Zealand | MC                         | Mid Canterbury      |          | Ashburton    | property of P. Bonifont           | -43.902496 | 171.749326 |               | 1978 | 11    | 22  | Stephenson,<br>B.P.             | swept, weeds in<br>asparagus patch |                      |                    |
| 1              | Rhopalosiphum padi         | Rhopalosiphum padi         |             | New Zealand | MC                         | Mid Canterbury      |          | Woolston     | glasshouse G. Hart;<br>Talbot St. | -43.555807 | 172.673266 |               | 1980 | 8     | 21  | Pearce, J.                      | celery and Poa<br>annua            |                      |                    |
| 2              | Rhopalosiphum padi         | Rhopalosiphum padi         | Savage      | New Zealand | MC                         | Mid Canterbury      |          | Lincoln      |                                   | -43.640326 | 172.483995 |               | 1981 | 8     | 5   | Savage, M.J.                    | Lolium perenne                     | Lolium perenne       |                    |
| 1              | Rhopalosiphum padi         | Rhopalosiphum padi         | Bejakovich  | New Zealand | SC                         | South<br>Canterbury |          | Rosewill     |                                   | -44.332054 | 171.157469 |               |      |       |     | Bauer,<br>S./Bejakovich,<br>D.  |                                    | Avena sativa?        | oats survey        |
| 1              | Rhopalosiphum padi         | Rhopalosiphum padi         | Bejakovich  | New Zealand | MC                         | Mid Canterbury      |          | Leeston      |                                   | -43.763763 | 172.295312 |               |      |       |     | Alexander,<br>B./Cliptorn, M.   |                                    | Pisum sativum?       | pea survey         |
| 2              | Rhopalosiphum padi         | Rhopalosiphum padi         | Bejakovich  | New Zealand | MC                         | Mid Canterbury      |          | Ashburton    |                                   | -43.902496 | 171.749326 |               |      |       |     | Moffit,<br>A./Bejakovich,<br>D. |                                    | Lolium?              | ryegrass survey    |
| 1              | Rhopalosiphum padi         | Rhopalosiphum padi         | Bejakovich  | New Zealand | MC                         | Mid Canterbury      |          | Ashburton    |                                   | -43.902496 | 171.749326 |               |      |       |     | Moffit,<br>A./Bejakovich,<br>D. |                                    | Lolium?              | ryegrass survey    |
| 2              | Rhopalosiphum padi         | Rhopalosiphum padi         | Bejakovich  | New Zealand | SC                         | South<br>Canterbury |          | Rosewill     |                                   | -44.332054 | 171.157469 |               |      |       |     | Bauer,<br>S./Bejakovich,<br>D.  |                                    | Lolium?              | ryegrass survey    |
| 1              | Rhopalosiphum padi         | Rhopalosiphum padi         | Bejakovich  | New Zealand | SC                         | South<br>Canterbury |          | Rosewill     |                                   | -44.332054 | 171.157469 |               |      |       |     | Knight, K.                      |                                    | Lolium?              | ryegrass survey    |
| 1              | Rhopalosiphum padi         | Rhopalosiphum padi         | Bejakovich  | New Zealand | SC                         | South<br>Canterbury |          | Geraldine    |                                   | -44.093331 | 171.242555 |               |      |       |     | Bauer,<br>S./Bejakovich,<br>D.  |                                    | Triticum?            | wheat survey       |
| 1              | Rhopalosiphum padi         | Rhopalosiphum padi         | Bejakovich  | New Zealand | SL                         | Southland           |          | Invercargill | Spar Bush                         | -46.220484 | 168.262384 |               |      |       |     | Braithwaite, M.                 |                                    | Triticum?            | wheat survey       |

| slide count | label det                     | species                      | det by     | country     | admin1 / Crosby area | admin2           | admin3   | locality     | site                         | lat        | long       | elevation | year | month | day | collector                | label host            | stand host           | notes for database |
|-------------|-------------------------------|------------------------------|------------|-------------|----------------------|------------------|----------|--------------|------------------------------|------------|------------|-----------|------|-------|-----|--------------------------|-----------------------|----------------------|--------------------|
| 1           | Rhopalosiphum padi            | Rhopalosiphum padi           | Bejakovich | New Zealand | SL                   | Southland        |          | Invercargill |                              | -46.413055 | 168.356883 |           |      |       |     | Braithwaite, M.          |                       | Triticum?            | wheat survey       |
| 2           | Rhopalosiphum padi            | Rhopalosiphum padi           | Bejakovich | New Zealand | SC                   | South Canterbury |          | Rosewill     |                              | -44.332054 | 171.157469 |           |      |       |     | Bauer, S./Bejakovich, D. |                       | Triticum?            | wheat survey       |
| 2           | Rhopalosiphum padi            | Rhopalosiphum padi           | Bejakovich | New Zealand | SC                   | South Canterbury |          | Rosewill     |                              | -44.332054 | 171.157469 |           |      |       |     | Bauer, S./Bejakovich, D. |                       | Triticum?            | wheat survey       |
| 1           | Rhopalosiphum padi            | Rhopalosiphum padi           | Bejakovich | New Zealand |                      |                  |          |              |                              |            |            |           |      |       |     |                          | tall fescue           | Festuca              |                    |
| 2           | Rhopalosiphum padi            | Rhopalosiphum padi           | Bejakovich | New Zealand |                      |                  |          |              |                              |            |            |           |      |       |     |                          |                       |                      |                    |
| 1           | Rhopalosiphum rufiabdominalis | Rhopalosiphum rufiabdominale | Bejakovich | New Zealand |                      |                  |          |              |                              |            |            |           |      |       |     |                          |                       |                      |                    |
| 1           | Sitobion                      | Sitobion                     | VFE        | New Zealand | NN                   | Nelson           |          | Motueka      |                              | -41.110107 | 173.011121 |           | 1978 | 11    | 22  | McCurran, A.G.           |                       |                      |                    |
| 1           | Sitobion                      | Sitobion                     | Bejakovich | New Zealand | DN                   | Dunedin          |          | Oamaru       |                              | -45.097678 | 170.971006 |           |      |       |     |                          | wheat                 | Triticum             |                    |
| 2           | Sitobion fragariae            | Sitobion fragariae           |            | New Zealand | MC                   | Mid Canterbury   |          | Lincoln      |                              | -43.640326 | 172.483995 |           | 1978 | 12    | 1   | Allen, F.                | Hordeum glaucum       | Hordeum glaucum      |                    |
| 4           | Sitobion fragariae            | Sitobion fragariae           | VFE 97     | New Zealand | SC                   | South Canterbury | Timaru   | Taiko        | Taiko                        | -44.347361 | 171.073858 |           | 1980 | 12    | 16  |                          |                       |                      |                    |
| 1           | Sitobion nr fragariae         | Sitobion fragariae           |            | New Zealand | MC                   | Mid Canterbury   |          | Christchurch | Wharenui Rd                  | -43.534769 | 172.586539 |           | 1999 | 3     | 27  | O'Donnell, M.            |                       |                      |                    |
| 1           | Sitobion near fragariae       | Sitobion fragariae           | Bejakovich | New Zealand | SL                   | Southland        |          | Otama        |                              | -36.706002 | 175.766291 |           |      |       |     | Braithwaite, M.          |                       | Pisum sativum?       | pea survey         |
| 2           | Sitobion nr fragariae         | Sitobion fragariae           |            | New Zealand | NN                   | Nelson           |          |              |                              |            |            |           |      |       |     |                          | tamarillo foliage     | Solanum betaceum     |                    |
| 1           | Sitobion miscanthi            | Sitobion miscanthi           | LME        | New Zealand | BR                   | Buller           |          | Punakaiki    |                              | -42.108463 | 171.336108 |           | 1965 | 4     | 6   | Stephenson, B.P.         | ryegrass              | Lolium perenne       | parasitized        |
| 1           | Sitobion miscanthi            | Sitobion miscanthi           |            | New Zealand | WN                   | Wellington       |          | Levin        | Gladstone Rd., Possum Corner | -40.658439 | 175.346462 |           | 1966 | 3     | 29  | Pritchard, J.F.          | yarrow                | Achillea millefolium |                    |
| 2           | Sitobion miscanthi            | Sitobion miscanthi           |            | New Zealand | WN                   | Wellington       |          | Levin        |                              | -40.621845 | 175.286588 |           | 1966 | 10    | 13  | Roxburgh, N.             | grass                 |                      |                    |
| 1           | Sitobion miscanthi            | Sitobion miscanthi           |            | New Zealand | WN                   | Wellington       |          | Levin        |                              | -40.621845 | 175.286588 |           | 1966 | 10    | 26  | Roxburgh, N.             | Bromus sp. (grass)    | Bromus               |                    |
| 1           | Sitobion miscanthi            | Sitobion miscanthi           |            | New Zealand | SC                   | South Canterbury |          | Temuka       |                              | -44.241822 | 171.282068 |           |      |       |     | Knight, K.               |                       | Hordeum vulgare?     | barley survey      |
| 1           | Sitobion miscanthi            | Sitobion miscanthi           | Bejakovich | New Zealand | SC                   | South Canterbury |          | Temuka       |                              | -44.241822 | 171.282068 |           |      |       |     | Knight, K.               |                       | Hordeum vulgare?     | barley survey      |
| 1           | Sitobion miscanthi            | Sitobion miscanthi           | Bejakovich | New Zealand | SC                   | South Canterbury |          | Rosewill     |                              | -44.332054 | 171.157469 |           |      |       |     | Knight, K.               |                       | Lolium?              | ryegrass survey    |
| 1           | Sitobion miscanthi            | Sitobion miscanthi           | Bejakovich | New Zealand |                      |                  |          |              |                              |            |            |           |      |       |     |                          |                       |                      |                    |
| 2           | Therioaphis maculata          | Therioaphis trifolii         | Sunde      | New Zealand |                      |                  |          | Woodhill     |                              |            |            |           | 1982 | 4     | 22  | Sunde, R.G.              | lucerne sweep         | Medicago sativa      |                    |
| 3           | Toxoptera aurantii            | Toxoptera aurantii           |            | New Zealand | WN                   | Wellington       |          | Levin        |                              | -40.621845 | 175.286588 |           | 1963 | 5     |     | Jenkins, C.              | grapefruit leaves     | Citrus               |                    |
| 1           | Toxoptera aurantii            | Toxoptera aurantii           |            | New Zealand | WN                   | Wellington       |          | Levin        |                              | -40.621845 | 175.286588 |           | 1967 | 4     | 5   | Meddings, S.             | foliage of lemon tree | Citrus               |                    |
| 2           | Toxoptera aurantii            | Toxoptera aurantii           |            | New Zealand |                      |                  |          |              |                              |            |            |           | 1968 | 2     | 6   | Meddings, S.             | citrus (lemon)        | Citrus               |                    |
| 4           | Toxoptera aurantii            | Toxoptera aurantii           |            | New Zealand | WN                   | Wellington       |          | Levin        | Cambridge St.                | -40.620761 | 175.289985 |           | 1973 | 11    | 8   | Rainbow, A.F.            | Ilex sp. (holly)      | Ilex                 |                    |
| 1           | Toxoptera aurantii            | Toxoptera aurantii           |            | New Zealand | AK                   | Auckland         |          | Auckland     |                              | -36.847385 | 174.765735 |           | 1976 | 2     | 27  | Flint, T.                | Camellia              | Camellia             |                    |
| 3           | Toxoptera citiricidus         | Toxoptera citiricidus        |            | New Zealand | AK                   | Auckland         | Auckland | Highbury     |                              | -36.811776 | 174.722509 |           | 1967 | 3     | 1   |                          | orange tree           | Citrus               |                    |
| 3           | Toxoptera citiricidus         | Toxoptera citiricidus        |            | New Zealand | WN                   | Wellington       |          | Levin        |                              | -40.621845 | 175.286588 |           | 1967 | 4     | 5   | Meddings, S.             | foliage of lemon tree | Citrus               |                    |

| slide count | label det           | species                | det_by | country     | admin1 / Crosby area | admin2         | admin3    | locality   | site            | lat        | long       | elevation | year | month | day | collector        | label_host               | stand_host        | notes for database |
|-------------|---------------------|------------------------|--------|-------------|----------------------|----------------|-----------|------------|-----------------|------------|------------|-----------|------|-------|-----|------------------|--------------------------|-------------------|--------------------|
| 3           | Myzocallis annulata | Tuberculatus annulatus |        | New Zealand | NN                   | Nelson         |           | Motueka    |                 | -41.110107 | 173.011121 |           | 1976 | 1     | 15  | Lyford, P.B.     | tobacco                  | Nicotiana tabacum |                    |
| 3           | Myzocallis annulata | Tuberculatus annulatus |        | New Zealand | MC                   | Mid Canterbury |           | Lincoln    | Lincoln College | -43.643537 | 172.467882 |           | 1979 | 12    | 10  | Stephenson, B.P. | oak                      | Quercus           |                    |
| 1           | Myzocallis annulata | Tuberculatus annulatus |        | New Zealand | NN                   | Nelson         |           | Motueka    |                 | -41.110107 | 173.011121 |           | 1980 | 2     | 5   | McCurran, A.G.   | oak                      | Quercus           |                    |
| 1           | Myzocallis annulata | Tuberculatus annulatus |        | New Zealand | SL                   | Southland      | Balclutha | Kaka Point | Rata Street     | -46.384739 | 169.780902 |           | 1985 | 2     | 28  | Irvine, M.       | oak                      | Quercus           |                    |
| 1           | Uroleucon           | Uroleucon              |        | New Zealand | WN                   | Wellington     |           | Levin      | 17 Kent St.     | -40.624147 | 175.289299 |           | 1976 | 3     | 7   | Keall, J.B.      |                          |                   |                    |
| 1           | Dactynotus sonchi   | Uroleucon sonchi       |        | New Zealand | WN                   | Wellington     |           | Levin      | Queen St.       | -40.621493 | 175.285703 |           | 1965 | 9     | 14  | Pritchard, J.F.  | Sonchus sp. (sowthistle) | Sonchus           |                    |
| 2           | Dactynotus sonchi   | Uroleucon sonchi       |        | New Zealand | WN                   | Wellington     |           | Levin      | Queen St.       | -40.621493 | 175.285703 |           | 1965 | 9     | 28  | Pritchard, J.F.  | Sonchus sp. (sowthistle) | Sonchus           |                    |
| 1           | Dactynotus sonchi   | Uroleucon sonchi       |        | New Zealand | WN                   | Wellington     |           | Levin      | Queen St.       | -40.621493 | 175.285703 |           | 1965 | 10    | 6   | Pritchard, J.F.  | Sonchus sp. (sowthistle) | Sonchus           |                    |
| 6           | Dactynotus sonchi   | Uroleucon sonchi       |        | New Zealand | WN                   | Wellington     |           | Levin      | Queen St.       | -40.621493 | 175.285703 |           | 1965 | 11    | 29  | Pritchard, J.F.  | Sonchus sp. (sowthistle) | Sonchus           |                    |
| 4           | Dactynotus sonchi   | Uroleucon sonchi       |        | New Zealand | WN                   | Wellington     |           | Levin      | Queen St.       | -40.621493 | 175.285703 |           | 1965 | 12    | 2   | Pritchard, J.F.  | Sonchus sp. (sowthistle) | Sonchus           |                    |