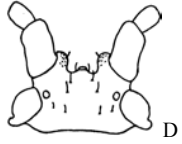

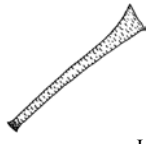
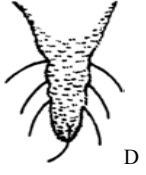
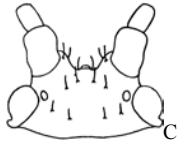


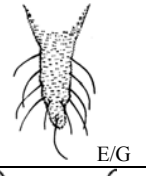
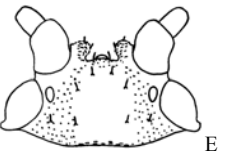


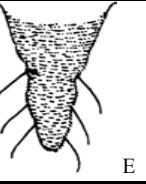
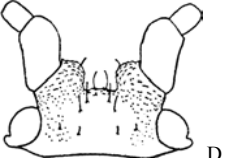

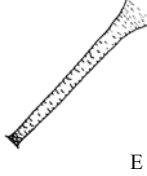
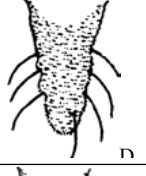

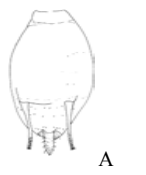

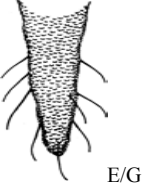
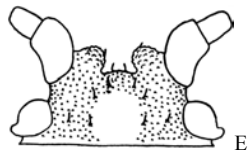
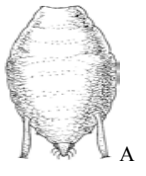
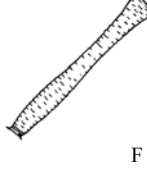
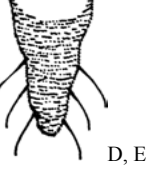


## Aphids on Potatoes (*Solanum tuberosum* L.) in New Zealand that are main contributors to virus transmission

Winged (Alate)	Frons	Dorsal	Antennae		Siphunculi		Cauda			Characteristic features
	shape	pigmentation	rhinaria (no./segment)	term./base	shape	colour	shape	colour	hair no.	
<i>Aulacorthum solani</i> <b>Foxglove aphid</b>			III: 5-26 (6-18) IV: 0 V: 0	3.5 - 5.5		pale with dark apices		pale to dusky	5 - 8	Variable developed pattern of cross bars (sometimes light).  Body length: 1.8 – 3.0 mm.
<i>Macrosiphum euphorbiae</i> <b>Potato aphid</b>			III: 9-21 IV: 0 V: 0	4.6 - 6.7		pical 2/3 dusky, basal 1/3 pale green		pale to dusky	8 - 12	Dusky marginal patches rare.  Body length: 1.7 – 3.4 mm.
<i>Myzus persicae</i> <b>Green peach aphid</b>			III: 6-17 IV: 0-1 (0) V: 0	2.8 - 4.3		dusky		pale to dusky	5 - 7	Patch with two pairs of short tongues protruding to marginals. Ant. seg. of rostrum with one pair of lateral accessory hairs (cf. <i>M. dianthicola</i> ).  Body length: 1.2 – 2.1 mm.
Wingless (Apterous)	Frons	Dorsal	Antennae		Siphunculi		Cauda			Characteristic features
	shape	pigmentation	rhinaria (no./segment)	term./base	shape	colour	shape	colour	hair no.	
<i>Aulacorthum solani</i> <b>Foxglove aphid</b>			III: 0-3 (1-2)	3.5 - 5.5		pale		pale	6 - 9 (7)	Whitish green to yellow, with green or reddish colouration at bases of siph., or uniformly green to brown.  Body length: 1.8 – 3.0 mm.
<i>Macrosiphum euphorbiae</i> <b>Potato aphid</b>			III: 1 - 7	5.2 - 6.5 (4.7 - 7.0)		pale base dark apex		pale	9 - 11 (8 - 13)	Medium sized to rather large, spindle or pear shaped, usually some shade of green but sometimes yellowish, pink or magenta.  Body length: 1.7 - 3.6 mm.
<i>Myzus persicae</i> <b>Green peach aphid</b>			III: 0	3.0 - 4.2		pale		pale	6 - 7	Small to medium sized, various shades of green, pink, or red. Siphunculi longer than ant. III.  Body length: 1.2 - 2.1 mm.