Table 1. 'No choice' tests conducted in Chile (Norambuena & Escobar 2010; Norambuena 2011) to test whether *Berberidicola exaratus* feeds on foliage, creates feeding scars (oviposition sites), on fruits and/or produces growing larvae in fruits and seeds. No feeding on fruits implies that adults did not create oviposition sites, and that this plant is not suitable host for larval development. Successful development implies that adults damaged fruits (- = no test undertaken, not recorded, or no conclusion can be drawn from data)

Family **Subfamily**	**Species**	**Year**	**No. of Tests**	**Tests yielding larvae**	**Reps where adults fed on fruits**	**Adults feed on foliage**	**Likely suitable host?**	**Control**
Berberidaceae								
Berberidoideae	*Berberis darwinii*	2009/10	6	4	6	-	Yes	Curileo
		2010/11	7	6	7	-	Yes	Chile, 3 sites and 5 dates
	Berberis congestiflora	2009/10	6	4	3	No	Yes	Self-controlled
	Berberis valdiviana	2009/10	5	2	5	-	Yes	Self-controlled
	Berberis microphylla	2009/10	5+3	2	8	Yes	Yes	*B. valdiviana*
	Berberis empetrifolia	2010/11	6	0	0	No	No	Associated control
	Berberis negeriana	2009/10	4+4	1+0	8	-	Uncertain	No, only test at site
	Betrberis trigona	2010/11	5	1	2	No	Yes	Associated control
	Berberis serratodentata	2009/10	6	2	6	Yes	Yes	Self-controlled
	Berberis aquifolium	2009/10	6	3	6	No	Yes	Self-controlled
	Berberis wilsoniae	2010/11	4	0	4	No	Uncertain	No, conducted across seasons
	Berberis thunbergii atr	2009/10	3+4	0+1	7	Yes	Yes	*B. valdiviana*, and self-controlled
	Berberis japonica	2009/10	5	0	5	Yes	Uncertain	No, tested earlier than other plants
Nandinoideae	*Nandina domestica*	2010/11	4+3	0+0	0	-	No	Associated control
Ranunculaceae	*Clematis montana*	2010/11	7	0	0	No	No	Control set up 3 days earlier
	Eschscholzia californica	2010/11	6	0	0	No	Uncertain	Set up 1 month after control
	Ranunculus repens	2010/11	6	0	0	No	No	Associated control
Lardizabalaceae	*Boquila trifoliolata*	2009/10	9	0	0	-	Uncertain	10 km from *B. aquifolium* control
Papaveraceae	*Papaver rhoeas*	2009/10	5	0	0	No	No	*B. aquifolium*

Table 2. 'No choice' tests conducted in Chile in 2009/10 and 2010/11 to test whether *Anthonomus kuscheli* feeds on foliage or produces larvae in flower buds (- = no test undertaken, not recorded, or no conclusion can be drawn from data) (Norambuena & Escobar 2010; Norambuena 2011).

Family Subfamily	Species	No. of tests	Tests yield larvae	Adults feed on flower buds	Adults feed on foliage	Likely suitable host?	Control
Berberidaceae	*Berberis darwinii*	6	2	Yes	Yes	Yes	Control 1. Carillanca 25 Sep 09 heavy bud loss
Berberidoideae		6	4	Yes	Yes	Yes	Control 2. Curileo 1 Oct 09.
		5	5	Yes	Yes	Yes	Control 3. Curileo 23 Sep 10
		1	1	Yes	Yes	Yes	Control 4. Caramavida 19 Sep 10
		1	1	Yes	Yes	Yes	Control 5. Icalma 14 Oct 10
		2	2	Yes	Yes	Yes	Control 6. Voipir 25 Sep 10
	Berberis congestiflora	5 + 6	0 + 0	Yes	Yes	Uncertain	No, test began 14 days after control 1 + No
	Berberis valdiviana	5	0	Yes	No	No	Yes, test began 8 days before control 3
	Berberis microphylla	5	0	Yes	Yes	No	Yes, test began 3 days after control 1
	Berberis empetrifolia	4 + 1	0 + 0	Yes	Yes	Uncertain	No, began one month after control
	Berberis negeriana	5	0	Yes	Yes	No	Yes, control 4
	Betrberis trigona	6 + 6 + 5	0 + 0+ 0	Yes	Yes	No	Yes, test began 3 d after control 1 + No + No, 13 d after control 3
	Berberis serratodentata	6 + 5	0 + 0	Yes	No	No	Yes, tests began 10 days after control 1 + control 5
	Berberis aquifolium	5 + 4	0 + 0	Yes	Yes	No	Yes, control 1 + No, test began 15 days before control 3
	Berberis japonica	5	0	No	No	No	Yes, test began 8 days before control 3
	Berberis wilsoniae	8 + 6	0	Yes	Yes	Uncertain	No, tests began 8 & 20 Jan 10
	Berberis thunbergii atr	6 + 5	0 + 4	Yes	Yes	Yes	No + self-controlled
Nandinoideae	*Nandina domestica*	7	0	No	No	Uncertain	No, test began 6 Nov 09, too long after control
Ranunculaceae	*Clematis montana*	3 + 3 + 6	0 + 0 + 0	No	No	No	Yes, test began 10 days after control 1 + No + No
	Eschscholzia californica	5	0	No	No	Uncertain	No, test began 23Oct 09
	Ranunculus repens	6 + 6	0	No	No	Uncertain	No, tests began 9 Oct, 24 Dec 09
Lardizabalaceae	*Boquila trifoliolata*	5	0	No	No	No	Yes, control 6
Papaveraceae	*Papaver rhoeas*	4 + 2	0	No	No	Uncertain	No associated control

Table 3. 'No Choice' tests conducted in containment at Lincoln, New Zealand in 2012 to test whether adult *Berberidicola exaratus* and *Anthonomus kuscheli* could feed on the foliage, flower buds or fruits of selected New Zealand plants (- = no test undertaken, not recorded, or no conclusion can be drawn from data).

Family Subfamily	Species	No. of tests	Tests yielding larvae	Adults feed on foliage	Adults feed on fruits **	Adequate independent control	Likely suitable host	Notes
B. exaratus								
Berberidaceae Berberidoideae	*Berberis darwinii*	5 + 5	-	Yes	Yes	---	Yes	Feeding in all tests
	Berberis glaucocarpa	1 + 2	1	Trace	Yes	Yes	Yes	Larvae have been observed in fruits
Nandinoideae	*Nandina domestica*	1 + 1	-	No	No	Yes	No	No feeding on fruits
Rancunculaceae	*Clematis forsteri*	1	-	No	-	Yes	-	
	Clematis paniculata	2 + 3	-	No	No	Yes	No	No feeding on achenes
	Anemone hupehensis var	1	-	Trace	-	Yes	-	Trace feeding on foliage by one adult
	Ranunculus reflexus	1	-	No	-	Yes	-	
	Ranunculus new sp.	2	-	No	-	Yes	-	
Lardizarbalaceae	*Stauntonia hexaphylla*	1	-	No	-	Yes	-	

Family Subfamily	Species	No. of tests	Tests yielding larvae	Adults feed on foliage?	Adults feed on Buds	Adequate independent control?	Likely suitable host	
An. kuscheli								
Berberidaceae Berberidoideae	*Berberis darwinii*	5 + 1	-	Yes	Yes	---	-	Minor to moderate damage to leaves, half of flower buds punctured
	Berberis glaucocarpa	1	-	Trace	-	Yes	-	Minor leaf damage by one weevil
Nandinoideae	*Nandina domestica*	1 + 1	-	Trace	No	Yes	No	Minor leaf damage by two weevils no feeding on flower buds
Rancunculaceae	*Clematis forsteri*	1	-	No	-	Yes	-	
	Clematis paniculata	2	-	No	-	Yes	-	
	Anemone hupehensis var	1 + 1	-	No	No	Yes	No	No feeding on flower buds
	Ranunculus reflexus	1	-	No	-	Yes	-	
	Ranunculus new sp.	2	-	No	-	Yes	-	
Lardizarbalaceae	*Stauntonia hexaphylla*	1	-	No	-	Yes	-	

** No feeding on fruits implies that adults cannot lay eggs on this species.