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Appendix 1



Plants tested in studies of the host specificity of the *Neochetina* weevils, the countries in which they were tested, and the types of test undertaken. The test designs used were: 1. Oviposition - multiple choice with host; 2. Oviposition - multiple choice, presence of host unknown; 3. Oviposition - no choice; 4. Oviposition - unknown design; 5. Adult feeding/survival - multiple choice with host; 6. Adult feeding/survival - multiple choice, presence of host unknown; 7. Adult feeding/survival - paired choice; 8. Adult feeding/survival - no choice; 9. Adult feeding/survival - unknown design; 10. Development following placement of eggs or larvae; 11. Unknown design.

<i>N. bruchi</i>	<i>N. eichhorniae</i>
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Agavaceae

<i>Agave americana</i> L. [century plant]	
China (2,6)	China (2,6)
<i>Agave sisalana</i> Perrine [sisal]	
Indonesia (11)	
<i>Cordyline fruticosa</i> (L.) A.Chev.	
Indonesia (11)	
<i>Polyanthes tuberosa</i> L. [tube rose]	
India (3,8)	India (3,8)

Alismataceae

<i>Limnocharis flava</i> Buch. [limnocharis]	
Indonesia (11)	
Thailand (9)	
<i>Sagittaria graminea</i> Michx. [sagittaria]	
Australia (1,5)	Australia (1,5)
<i>Sagittaria montevidensis</i> Cham. & Schldl. [arrowhead]	
Argentina (1,5,8)	Argentina/USA (4,5,8)
	Australia (1,5)

<i>N. bruchi</i>	<i>N. eichhorniae</i>
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<i>Sagittaria trifolia</i> L. [arrowhead]	
China (2,3,6,8,10)	China (2,3,6,8,10)

Amaranthaceae

<i>Alternanthera philoxeroides</i> (Martius) Griseb. [alligator weed]	
China (2,3,6,8,10)	China (2,3,6,8,10)
Thailand (9)	
<i>Amaranthus hybridus</i> L. [pig weed, slim amaranth]	
Zimbabwe (9)	Zimbabwe (9)
<i>Amaranthus</i> sp.	
Indonesia (11)	

Anacardiaceae

<i>Mangifera indica</i> L. [mango]	
India (3,8)	India (3,8)
Malaysia (5)	Zimbabwe (9)
Thailand (9)	
Vietnam (9)	
Zimbabwe (9)	

Annonaceae*Annona squamosa* L.

[custard apple, sugar apple, sweet sop]

India (3,8)

India (3,8)

Thailand (9)

Apiaceae*Coriandrum sativum* L. [coriander]

India (3,8)

India (3,8)

Hydrocotyle ranunculoides L.f. [water pennywort]

Argentina (3,8)

Apocynaceae*Nerium oleander* L. [oleander]

Thailand (9)

Araceae*Amorphophallus* sp. [yam]*Amorphophalus campanulatus*

Indonesia (11)

Arum colocasia L. [colocasia]

Egypt (11)

Egypt (11)

Anthurium spp. [anthurium]

Thailand (9)

Colocasia esculenta (L.) Schott. [taro]

India (1,3,5,8)

India (3,8)

Malaysia (5)

Vietnam (9)

Colocasia sp.

Kenya (5,8)

Malaysia (5)

Dieffenbachia sp.

Indonesia (11)

Pistia stratiotes L. [water lettuce]

Argentina (3,8)

India (1,3,5,8)

India (1,3,5,8)

Zimbabwe (9)

Indonesia (11)

Thailand (9)

Vietnam (9)

Zimbabwe (9)

Synгонium sp.

India (3,8)

India (3,8)

Zantedeschia aethiopica (L.) Spreng. [calla]

China (2,3,6,8,10)

Areaceae*Cocos nucifera* L. [coconut]

India (3,8)

India (3,8)

Malaysia (5)

Thailand (9)

Asteraceae*Ambrosia artemisiifolia* L. [annual ragweed]

China (2,3,6,8,10)

China (2,3,6,8,10)

Chrysanthemum indicum L. [garden chrysanthemum]

Thailand (9)

Chrysanthemum morifolium

China (2,6,10)

China (2,6,10)

Conyza canadensis (L.) Cronq. [Canadian fleabane]

China (2,3,6,8,10)

China (2,3,6,8,10)

Gerbera jamesonii L. [gerbera]

Thailand (9)

Gynura crepidioides Benth

Indonesia (11)

Helianthus annuus L. [sunflower]

Australia (1,5)

Australia (1,5)

China (2,3,6,8,10)

China (2,3,6,8,10)

<i>N. bruchi</i>	<i>N. eichhorniae</i>
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India (3,8)	India (3,8)
Zimbabwe (9)	Zimbabwe (9)
<i>Lactuca sativa</i> L. [lettuce]	
Argentina (1,3,5,7,8)	Argentina/USA (4,5,7,8)
Egypt (11)	Australia (1,5)
India (1,3,5,8)	Egypt (11)
Thailand (9)	India (3,8)
<i>Pluchea indica</i> Less.	
Indonesia (11)	
<i>Tithonia diversifolia</i> (Hemsley) A.Gray [Mexican sunflower]	
Indonesia (11)	

Azollaceae

<i>Azolla pinnata</i> R. Br. [fern azolla, green azolla]	
Australia (1,5)	India (3,8)
India (3,8)	
Thailand (9)	

Begoniaceae

<i>Begonia</i> sp.	
India (1,3,5,8)	India (1,3,5,8)

Bombacaceae

<i>Durio zibethinus</i> Murray [durian]	
Malaysia (5)	

Brassicaceae

<i>Brassica campestris</i> L. [Chinese cabbage]	
China (2,3,6,8,10)	China (2,3,6,8,10)
<i>Brassica caulorapa</i> (DC.) Pasq. [kohlrabi]	
China (2,3,6,8,10)	China (2,3,6,8,10)
<i>Brassica chinensis</i> var. <i>parachinensis</i> [Chinese cabbage]	
Thailand (9)	

<i>N. bruchi</i>	<i>N. eichhorniae</i>
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<i>Brassica chinensis</i> L. [Chinese white cabbage]	
Indonesia (11)	
Thailand (9)	
<i>Brassica juncea</i> (L.) Czernj. & Cosson [Chinese mustard]	
Australia (1,5)	
India (3,8)	
Thailand (9)	
<i>Brassica nigra</i> (L.) S. Kohl ex Koch [mustard]	
India (3,8)	India (3,8)
<i>Brassica oleracea</i> var. <i>botrytis</i> (L.) Alef. [cauliflower]	
Thailand (9)	
<i>Brassica oleracea</i> var. <i>capitata</i> (L.) Alef. [cabbage]	
Argentina (1,3,5,7,8)	Argentina/USA (4,5,8)
Egypt (11)	Australia (1,5)
India (3,8)	Egypt (11)
Indonesia (11)	Zimbabwe (9)
Kenya (5,8)	
Thailand (9)	
Vietnam (9)	
Zimbabwe (9)	
<i>Brassica oleracea</i> L. [Chinese kale]	
Thailand (9)	
<i>Brassica pekinensis</i> Lour. Rupr. [Chinese cabbage]	
China (2,3,6,8,10)	China (2,3,6,8,10)
<i>Brassica rapa</i> var. <i>rapa</i> L. [turnip]	
China (2,3,6,8)	China (2,3,6,8)
Thailand (9)	
<i>Brassica</i> sp. [sukuma wiki]	
Kenya (5,8)	
<i>Nasturtium</i> sp.	
Indonesia (11)	

<i>N. bruchi</i>	<i>N. eichhorniae</i>
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Raphanus sativus L. [radish]

China (2,3,6,8,10)	China (2,3,6,8,10)
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India (1,3,5,8)	India (1,3,5,8)
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Rorippa nasturtium-aquaticum (L.)

Hayek = *Nasturtium officinale* L. [watercress]

Argentina (1,5,8)	Argentina/USA (4,5,8)
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Australia (1,5)	Australia (1,5)
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Bromeliaceae

Ananas comosus (L.) Merr. [pineapple]

Argentina (1,5,8)	Argentina/USA (4,5,8)
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India (3,8)	India (3,8)
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Indonesia (11)	Zimbabwe (9)
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Zimbabwe (9)	
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Buxaceae

Buxus sinica

China (2,3,6,8,10)	China (2,3,6,8,10)
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Cannaceae

Canna edulis Ker Gawler [arrowroot]

Indonesia (11)	
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Canna indica L. [canna, Indian shoot]

China (2,3,6,8,10)	China (2,3,6,8,10)
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Egypt (11)	Egypt (11)
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India (1,3,5,8)	India (1,3,5,8)
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Thailand (9)	
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Caricaceae

Carica papaya L. [papaya, paw paw]

India (3,8)	India (3,8)
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Malaysia (5)	
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Thailand (9)	
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<i>N. bruchi</i>	<i>N. eichhorniae</i>
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Ceratophyllaceae

Ceratophyllum oryzetorum

China (2,3,6,8,10)	China (2,3,6,8,10)
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Chenopodiaceae

Atriplex nummularia Lindley [old man saltbush]

Australia (1,5)	
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Beta vulgaris var. *folloisa* [sugar beet]

Egypt (11)	Egypt (11)
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Beta vulgaris var. *rapae* [vegetable beet]

Egypt (11)	Egypt (11)
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Beta vulgaris L. [beetroot]

India (3,8)	Australia (1,5)
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Indonesia (11)	India (3,8)
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Zimbabwe (9)	Zimbabwe (9)
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Spinacia oleracea L. [spinach]

Egypt (11)	Egypt (11)
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Commelinaceae

Commelina coelestis Willdenow = *C. tuberosa*

Argentina (1,3,5,7,8)	Argentina/USA (4,5,8)
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Commelina nudiflora

Indonesia (11)	
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Commelina virginica L. [day flower]

Argentina (1,5,8)	Argentina/USA (4,5,8)
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Tradescantia crassifolia Cavanilles [spiderwort]

Argentina (1,3,5,7,8)	Argentina/USA (4,5,8)
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Tradescantia fluminensis Velloso

India (1,3,5,8)	India (1,3,5,8,10)
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Tripogandra elongata (G.F.W. Mey) Woodson

Argentina (1,3,5,7,8)	Argentina/USA (4,5,8)
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India (1,3,5,8)	
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N. bruchi**N. eichhorniae**

- Zebrina pendula* Schnizlein [wandering Jew]
 Argentina (1,3,5,7,8) Argentina/USA (4,5,7,8)
 India (1,3,5,8) India (1,3,5,8)
 Indonesia (11)

Convolvulaceae

- Convolvulus arvensis* L. [field bindweed]
 China (2,3,6,8,10) China (2,3,6,8,10)
- Ipomea aquatica* Forsk. [potato vine, morning glory]
 Australia (1,5)
 Indonesia (11)
 Thailand (9)
 Vietnam (9)
- Ipomea batatas* (L.) Lam. [sweet potato]
 Australia (1,5) Australia (1,5)
 India (3,8) India (3,8)
 Indonesia (11)
 Malaysia (7)
 Vietnam (9)

Cucurbitaceae

- Citrullus lanatus* (Thunb.) Matsum. & Nakai. [melon]
 Zimbabwe (9)
 Zimbabwe (9)
- Citrullus vulgaris* Schrad. [watermelon]
 India (3,8) India (3,8)
 Thailand (9)
- Cucumis melo* L. [musk melon]
 Thailand (9)
- Cucumis sativus* L. [cucumber]
 China (2,3,6,8,10) China (2,3,6,8,10)
 India (3,8) India (3,8)
 Indonesia (11) Zimbabwe (9)
 Zimbabwe (9)

N. bruchi**N. eichhorniae**

- Cucurbita maxima* Duchesne ex Lam. [pumpkin]
 India (3,8) Australia (1,5)
 Vietnam (9) India (3,8)
- Cucurbita moschata* (Duchesne ex Lam.)
 Duchesne ex Poirlet [pumpkin]
 Indonesia (11)
- Cucurbita pepo* L. s.lat. [marrow]
 Thailand (9)
- Lagenaria leucantha* Rusby [bottle gourd]
 Thailand (9)
- Momordica charantia* L. [bitter melon, balsam pear]
 Thailand (9)
- Sechium edule* (Jacq.) Sw.
 Indonesia (11)

Cupressaceae

- Biota orientalis* L. = *Thuja orientalis* [thuja]
 China (2,3,6,8,10) China (2,3,6,8,10)

Cyperaceae

- Cyperus esculentus* L. [cypress, yellow nutgrass]
 Zimbabwe (9) Zimbabwe (9)
- Cyperus papyrus* L. [papyrus]
 Egypt (11) Egypt (11)
- Cyperus rotundus* L. [nutgrass]
 Indonesia (11)
- Eleocharis haumaniana* Barros
 Argentina (8)
- Eleocharis macrostachya* Britton
 Argentina/USA (4,5,8)
- Scirpus californicus* (C.A. Mey.) Steud.
 Argentina/USA (4,5,8)
 Argentina (1,5,8)
- Scirpus grossus* L. [giant bulrush]
 Indonesia (11)

Euphorbiaceae*Acalypha australis* L.

China (2,3,6,8,10) China (2,3,6,8,10)

Codiaeum variegatum (L.) Adr. Juss. [croton]

India (3,8) India (3,8)

Hevea brasiliensis Muell. Arg. [rubber]

Malaysia (5)

Manihot esculenta Crantz = *M. utilissima* [tapioca]

India (3,8) India (3,8)

Vietnam (9)

Phyllanthus acidus Skeels [star gooseberry]

Thailand (9)

Ricinus communis L. [castor oil plant]

Egypt (11) Egypt (11)

India (3,8) India (3,8)

Sauropus androgynus L.

Vietnam (9)

Fabaceae*Arachis hypogaea* L. [groundnut, peanut]

India (3,8) India (3,8)

Indonesia (11) Zimbabwe (9)

Vietnam (9)

Zimbabwe (9)

Dolichos lablab L. = *Lablab purpureus* [lablab]

India (1,3,5,8) India (3,8)

Glycine max (L.) Merr. [soybean]

China (2,3,6,8,10) China (2,3,6,8,10)

Indonesia (11) Zimbabwe (9)

Thailand (9)

Vietnam (9)

Zimbabwe (9)

Medicago sativa L. [lucerne]

Australia (1,5) Australia (1,5)

Phaseolus aureus Roxb. = *Vigna radiata* [mungbean]

Thailand (9)

Phaseolus vulgaris L. [bean]

China (2,3,6,8,10) China (2,3,6,8,10)

Indonesia (11) Zimbabwe (9)

Kenya (5,8)

Thailand (9)

Zimbabwe (9)

Pisum sativum L. s.lat. [pea]

China (2,3,6,8,10) China (2,3,6,8,10)

India (3,8) India (3,8)

Thailand (9)

Psophocarpus tetragonolobus (L.) DC [winged bean]

Thailand (9)

Sesbania formosa (F. Muell.) N.Burb. = *S. grandiflora*

(L.) Poiret [sesbania]

Thailand (9)

Trifolium subterraneum L. [subterranean clover]

Australia (1,5) Australia (1,5)

Vicia faba var. *equina* Pers. [horse bean]

Egypt (11) Egypt (11)

Vicia faba L. [faba bean, field bean]

China (2,3,6,8,10) China (2,3,6,8,10)

Vigna sesquipedalis (L.) Fruwirth [yard long bean]

Thailand (9)

Vigna sinensis (L.) Hassk. [cowpea]

India (1,3,5,8) India (3,8)

Haemodoraceae*Anigozanthos manglesii* D. Don [kangaroo paw]

Australia (1,5)

Haloragaceae

Myriophyllum aquaticum (Vell. Conc) Verdc. [parrots feathers, Brazilian water milfoil]
 Zimbabwe (9) Zimbabwe (9)

Hydrocharitaceae

Hydrilla sp.
 India (1,3,5,8) India (1,3,5,8)
Ottelia ovalifolia (R. Br.)L.C.Rich [swamp lily]
 Australia (1,5)
Vallisneria sp.
 India (1,3,5,8) India (1,3,5,8)

Lamiaceae

Coleus amboinicus
 Indonesia (11)
Mentha arvensis L. [mint]
 India (3,8)
 India (1,3,5,8)
Mentha cordifolia Opiz [kitchen mint]
 Thailand (9)
Ocimum sanctum L. [holy basil, tulsi]
 Thailand (9)

Lauraceae

Persea americana Miller [avocado]
 Zimbabwe (9) Zimbabwe (9)

Lemnaceae

Lemna sp. (either *L. gibba* or *L. parodiana* Giaredelli)
 [duckweed]
 Argentina (3,8)
Lemna trisulca L. [narrow-leaved duck weed]
 Thailand (9)
Spirodela intermedia Koch [giant duckweed]
 Argentina (3,8,10)

Liliaceae

Agapanthus africanus Lam. [African lily]
 Argentina (1,5,8) Argentina/USA (4,5,8)
Allium ampeloprasum L. [Leek]
 Thailand (9)
Allium ascalonicum L. [shallot]
 Thailand (9)
Allium cepa L. [onion]
 Argentina (1,5,8) Argentina/USA (4,5,8)
 Egypt (11) Australia (1,5)
 India (3,8) Egypt (11)
 Indonesia (11) India (3,8)
 Thailand (9) Uganda (4,9)
 Uganda (4,9) Zimbabwe (9)
 Zimbabwe (9)
Allium fistulosum L. [leek, Welsh onion]
 China (2,3,6,8,10) China (2,3,6,8,10)
 Thailand (9)
Allium sativum L. [garlic]
 Indonesia (11)
Allium tuberosum
 China (2,6,10) China (2,6,10)
Amaryllis sp.
 India (1,3,5,8) India (1,3,5,8)
Asparagus officinalis L. [asparagus]
 Argentina (1,5,8) Argentina/USA (4,5,8)
 Australia (1,5) Australia (1,5)
Bulbine bulbosa (R.Br.) Haw. [native leek, bulbine lily]
 Australia (1,5)
Burchardia umbellata R.Br. [milkmaids]
 Australia (1,5)