

Table S1. The test plant species from Australia [21] and Ethiopia [22] that have already been tested with *Listronotus setosipennis* in each respective country prior to release. Each country found no evidence for the potential of *L. setosipennis* to have non-target impacts on either native or economically important crop species.

Family	Tribe	Species (Cultivar)	Country where tested
Asteraceae	Anthemideae	<i>Chrysanthemum sinense</i>	Australia
Asteraceae	Astereae	<i>Baccharis halimifolia</i>	Australia
Asteraceae	Astereae	<i>Conyza bonariensis</i>	Ethiopia
Asteraceae	Cichorieae	<i>Cichorium intybus</i>	Australia,
Asteraceae	Cichorieae	<i>Lactuca sativa</i>	Australia, Ethiopia
Asteraceae	Coreopsidaeae	<i>Bidens pilosa</i>	Australia
Asteraceae	Coreopsidaeae	<i>Dahlia</i> sp.	Australia
Asteraceae	Cynareae	<i>Carthamus tinctorius</i>	Australia, Ethiopia
Asteraceae	Eupatorieae	<i>Ageratina riparia</i>	Australia
Asteraceae	Gnaphalieae	<i>Cassinia laevis</i>	Australia
Asteraceae	Heliantheae	<i>Acanthospermum hispidum</i>	Australia
Asteraceae	Heliantheae	<i>Ambrosia tenuifolia</i>	Australia
Asteraceae	Heliantheae	<i>Bidens ghedoensis</i>	Ethiopia
Asteraceae	Heliantheae	<i>Bidens pilosa</i>	Ethiopia
Asteraceae	Heliantheae	<i>Bidens pachyloma</i>	Ethiopia
Asteraceae	Heliantheae	<i>Cosmos</i> sp.	Australia
Asteraceae	Heliantheae	<i>Eclipta alba</i>	Australia
Asteraceae	Heliantheae	<i>Galinsoga parviflora</i>	Ethiopia
Asteraceae	Heliantheae	<i>Helianthus annuus</i> (R. Black)	Ethiopia
Asteraceae	Heliantheae	<i>Helianthus annuus</i> (Oissa)	Ethiopia
Asteraceae	Heliantheae	<i>Helianthus annuus</i> (Hysun 21)	Australia
Asteraceae	Heliantheae	<i>Helianthus annuus</i> (Polestar)	Australia
Asteraceae	Heliantheae	<i>Helianthus annuus</i> (Sunbred 27)	Australia
Asteraceae	Heliantheae	<i>Helianthus annuus</i> (Suncross)	Australia
Asteraceae	Heliantheae	<i>Helianthus annuus</i> (Sungold)	Australia
Asteraceae	Heliantheae	<i>Helianthus annuus</i> (Yates Sunbred)	Australia
Asteraceae	Heliantheae	<i>Parthenium argentatum</i>	Australia
Asteraceae	Heliantheae	<i>Siegesbeckia orientalis</i>	Australia
Asteraceae	Heliantheae	<i>Zinnia</i> sp.	Australia
Asteraceae	Millerieae	<i>Guizotia abyssinica</i> (ESTE)	Ethiopia
Asteraceae	Millerieae	<i>Guizotia abyssinica</i> (Fogera)	Ethiopia
Asteraceae	Millerieae	<i>Guizotia abyssinica</i> (Kuyu)	Ethiopia
Asteraceae	Millerieae	<i>Guizotia abyssinica</i> (Local)	Ethiopia
Asteraceae	Millerieae	<i>Guizotia abyssinica</i> (Shambu)	Ethiopia
Asteraceae	Millerieae	<i>Guizotia abyssinica</i> (Ghinchi)	Ethiopia
Asteraceae	Millerieae	<i>Guizotia scabra</i>	Ethiopia

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Asteraceae	Neurolaeneae	<i>Galinsoga parviflora</i>	Australia
Asteraceae	Tageteae	<i>Flaveria trinervia</i>	Ethiopia
Asteraceae	Tageteae	<i>Tagetes minuta</i>	Ethiopia
Asteraceae	Vernonieae	<i>Vernonia galamensis</i>	Ethiopia
Anacardiaceae		<i>Mangifera indica</i>	Australia
Annonaceae		<i>Annona reticulata</i>	Australia
Apiaceae		<i>Apium graveolens</i>	Australia
Apiaceae		<i>Daucus carota</i>	Australia
Apiaceae		<i>Petroselinum crispum</i>	Australia
Brassicaceae		<i>Brassica carinata</i>	Ethiopia
Brassicaceae		<i>Brassica oleracea</i>	Australia, Ethiopia
Brassicaceae		<i>Brassica rapa</i>	Australia
Bromeliaceae		<i>Ananas comosus</i>	Australia
Caricaceae		<i>Carica papaya</i>	Australia
Chenopodiaceae		<i>Beta vulgaris</i>	Australia
Convolvulaceae		<i>Ipomoea batata</i>	Australia
Cucurbitaceae		<i>Cucumis sativus</i>	Australia
Cucurbitaceae		<i>Cucurbita maxima</i>	Australia
Fabaceae		<i>Arachis hypogaea</i>	Australia
Fabaceae		<i>Cicer arietinum</i>	Ethiopia
Fabaceae		<i>Glycine max</i>	Australia
Fabaceae		<i>Lathyrus sativus</i>	Ethiopia
Fabaceae		<i>Lens culinaris</i>	Ethiopia
Fabaceae		<i>Macroptilium atropurpureum</i>	Australia
Fabaceae		<i>Medicago sativa</i>	Australia
Fabaceae		<i>Phaseolus vulgaris</i>	Australia
Fabaceae		<i>Pisum sativum</i>	Ethiopia
Fabaceae		<i>Vicia faba</i>	Ethiopia
Lauraceae		<i>Persea americana</i>	Australia
Liliaceae		<i>Allium cepa</i>	Australia
Linaceae		<i>Linum usitatissimum</i>	Australia
Malvaceae		<i>Corchorus olitorius</i>	Ethiopia
Malvaceae		<i>Gossypium hirsutum</i>	Ethiopia
Malvaceae		<i>Gossypium sp.</i>	Australia
Musaceae		<i>Eucalyptus grandis</i>	Australia
Musaceae		<i>Melaleuca armillaris</i>	Australia
Passifloraceae		<i>Passiflora edulis</i>	Australia
Pedaliaceae		<i>Sesamum indicum</i>	Ethiopia
Pinaceae		<i>Pinus elliotti</i>	Australia
Poaceae		<i>Chloris gayana</i>	Australia
Poaceae		<i>Dicanthium sericeum</i>	Australia

Family	Tribe	Species (Cultivar)	Country where tested
Poaceae		<i>Eragrostis tef</i>	Ethiopia
Poaceae		<i>Hordeum vulgare</i>	Australia
Poaceae		<i>Lolium multiflorum</i>	Australia,
Poaceae		<i>Lolium perenne</i>	Australia
Poaceae		<i>Saccharum officinarum</i>	Australia
Poaceae		<i>Sorghum bicolor</i>	Ethiopia
Poaceae		<i>Sorghum vulgare</i>	Australia
Poaceae		<i>Triticum aestivum</i>	Australia, Ethiopia
Poaceae		<i>Zea mays</i>	Australia, Ethiopia
Proteaceae		<i>Macadamia integrifolia</i>	Australia
Rosaceae		<i>Fragaria vesca</i>	Australia
Rosaceae		<i>Malus sylvestris</i>	Australia
Rosaceae		<i>Prunus domesticus</i>	Australia
Rosaceae		<i>Prunus persica</i>	Australia
Rosaceae		<i>Pyrus communis</i>	Australia
Rosaceae		<i>Rosa</i> sp.	Australia
Rubiaceae		<i>Coffea arabica</i>	Australia
Rutaceae		<i>Citrus sinense</i>	Australia
Solanaceae		<i>Capsicum annum</i>	Australia, Ethiopia
Solanaceae		<i>Lycopersicon esculentum</i>	Australia
Solanaceae		<i>Nicotiana tabacum</i>	Australia
Solanaceae		<i>Solanum lycopersicum</i>	Ethiopia
Solanaceae		<i>Solanum tuberosum</i>	Australia, Ethiopia
Vitaceae		<i>Vitis vinifera</i>	Australia
Zingiberaceae		<i>Zingiber officinale</i>	Australia