

Supporting Information

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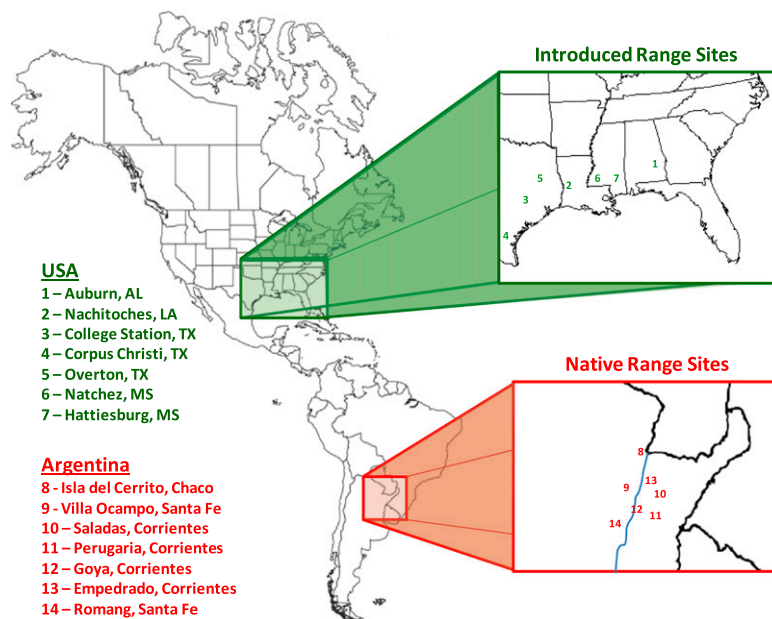


Fig. S1. Map displaying the locations of study sites in the native (Argentina) and introduced (United States) ranges of fire ants (*Solenopsis invicta*).

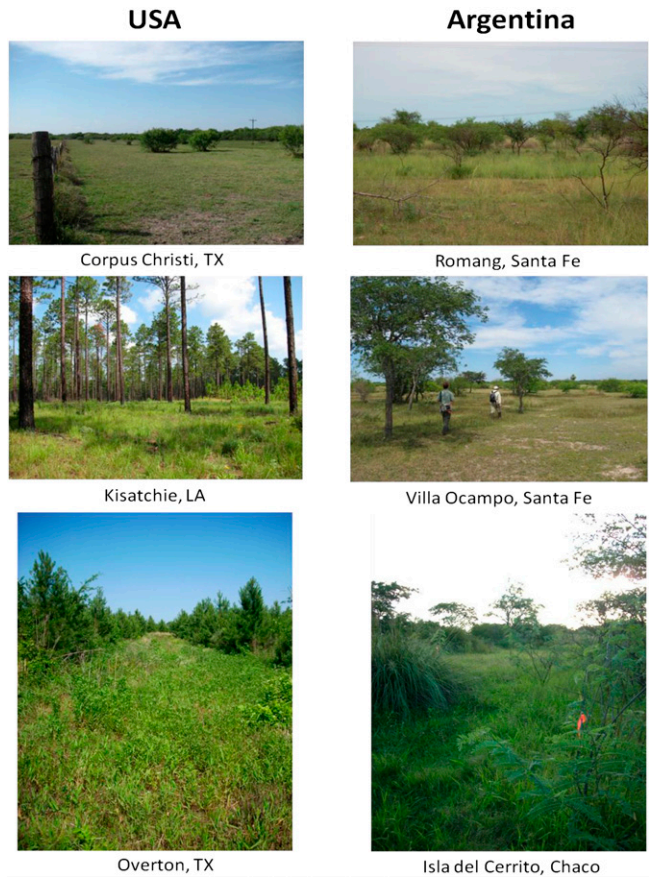


Fig. S2. Representative photographs of several study sites in the United States and Argentina.

A. *Camponotus rufipes* tending planthopper nymphs in Argentina



B. Fire ants (*Solenopsis invicta*) tending aphids on oak leaves in the USA



Fig. S3. Photographs of ants tending hemipterans from our survey of ant–hemipteran interactions. (A) *Camponotus rufipes* (a common tree-foraging competitor of the red imported fire ant in Argentina) tending planthoppers. (B) *S. invicta* tending aphids.

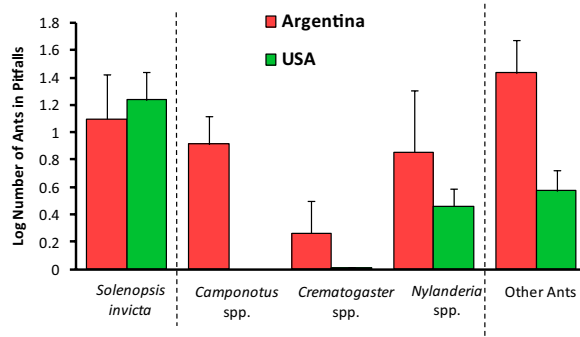


Fig. S4. Pitfall captures of the common genera of ants found at our study sites in the native (Argentina) and introduced (United States) ranges of the red imported fire ant.

Table S1. Locations of study sites sampled in the introduced (United States) and native (Argentina) ranges of the red imported fire ant (*S. invicta*)

Country	Nearest city	Province/state	Site location	
			Latitude	Longitude
Argentina	Isla del Cerrito	Chaco	27° 17' 57" S	58° 41' 17" W
	Villa Ocampo	Santa Fe	28° 30' 11" S	59° 16' 21" W
	Saladas	Corrientes	28° 12' 41" S	58° 44' 25" W
	Perogorria	Corrientes	29° 20' 25" S	58° 35' 26" W
	Goya	Corrientes	29° 11' 01" S	59° 14' 23" W
	Empedrado	Corrientes	27° 57' 18" S	58° 46' 27" W
	Romang	Santa Fe	29° 26' 48" S	59° 45' 10" W
United States	Auburn	Alabama	32° 27' 01" N	85° 38' 45" W
	Nachitoches	Louisiana	31° 29' 07" N	93° 04' 54" W
	College Station	Texas	30° 34' 04" N	96° 12' 44" W
	Corpus Christi	Texas	27° 45' 58" N	97° 33' 43" W
	Overton	Texas	32° 18' 47" N	94° 58' 06" W
	Natchez	Mississippi	31° 16' 11" N	91° 08' 14" W
	Hattiesburg	Mississippi	31° 19' 38" N	89° 17' 25" W

Table S2. Number of occurrences of different types of ants found tending a range of honeydew-producing hemipterans in the native (Argentina) and introduced (United States) ranges of the red imported fire ant (*S. invicta*)

Hemipterans	<i>Solenopsis invicta</i>		<i>Camponotus</i> spp.		<i>Crematogaster</i> spp.		Other ants	
	Argentina	United States	Argentina	United States	Argentina	United States	Argentina	United States
Aphids	1	13	16	0	1	1	2	4
Scales	0	2	39	0	15	3	2	0
Mealybugs	1	7	15	0	6	0	2	1
Planthoppers	0	11	15	0	0	0	2	1
Other*	0	3	1	0	1	0	0	3

*"Other" category includes whiteflies and lepidopteran larvae.

Table S3. Ant species found in pitfall traps in the United States and Argentina

United States			Argentina		
Family	Genus	Species	Family	Genus	Species
Dolichoderinae	<i>Dorymyrmex</i>	<i>flavus</i>	Dolichoderinae	<i>Azteca</i>	sp. A
	<i>Forelius</i>	<i>mccooki</i> <i>pruinosis</i>		<i>Dorymyrmex</i>	<i>brunneus</i> <i>spurius</i> <i>thoracicus</i>
Formicinae	<i>Brachymyrmex</i> <i>Camponotus</i>	<i>depilis</i>		<i>Forelius</i> <i>Linepithema</i>	sp. A
		<i>caryae</i>			sp. A
	<i>Formica</i> <i>Nylanderia</i> <i>Paratrechina</i> <i>Tetramorium</i>	<i>nr. etiolatus</i>	Ecitoninae	<i>Labidus</i> <i>Neivamyrmex</i>	<i>coecus</i> sp. A
		<i>sayi</i>			
		<i>semitestaceous</i>			
		<i>vicinus</i>			
	<i>pallidefulva</i>	Ectatomminae	<i>Ectatomma</i>	<i>edentatum</i>	
	sp. A				
Myrmicinae	<i>Creumatogaster</i>	sp. A	Formicinae	<i>Brachymyrmex</i> <i>Camponotus</i>	<i>aphidicola</i> <i>obscurior</i> <i>patagonicus</i> <i>atriceps</i> <i>crassus</i> <i>cripulus</i> <i>mus</i> nr. <i>blandus</i> nr. <i>fiebrigi</i> nr. <i>hispidus</i> sp. 1 nr. <i>hispidus</i> sp. 2 nr. <i>hispidus</i> sp. 3 <i>punctulatus</i> <i>rufipes</i> <i>sanctaeidei</i> <i>sexguttatus</i> <i>substitutus</i> <i>termitarius</i>
		<i>lineolata</i>			
	<i>minutissima</i>				
	<i>pilosa</i>				
	<i>rimosus</i>				
	<i>minimum</i>				
	<i>americana</i>				
	<i>flavens</i> group sp. A				
	<i>bicarinata</i>				
	<i>dentata</i>				
	<i>diversipilosa</i>				
	<i>metallescens</i>				
<i>moerens</i>					
<i>invicta</i>					
<i>Solenopsis</i>	<i>(diplorhoptrum)</i> <i>molesta</i>	Myrmicinae	<i>Acromyrmex</i>	<i>heyeri</i> <i>lundi</i> sp. A <i>brunchi</i> <i>depressus</i> <i>insertus</i> nr. <i>insertus</i> <i>jherngi</i> <i>persimillis</i> <i>quadratus</i> <i>crenosa</i> nr. <i>crenosa</i> <i>quadriformis</i> <i>rimosus</i> <i>emeryi</i> sp. A <i>dillegens</i> complex sp. A <i>fallax</i> group sp. A <i>flavens</i> group sp. B <i>aberrans</i> <i>bergi</i> <i>radoskowskii</i> nr. <i>radoskowskii</i> <i>obscurithorax</i> <i>triconstricta</i> <i>vafra</i> <i>naegelli</i>	
<i>Temnothorax</i>	sp. A				
<i>Trachymyrmex</i>	<i>arizonensis</i>		<i>Nylanderia</i>	<i>fulva</i> sp. A	
Ponerinae	<i>Hypoponera</i>	<i>inexorata</i> <i>opacior</i>			
Pseudomyrmecinae	<i>Pseudomyrmex</i>	<i>caeciliae</i> <i>gracilis</i>		<i>Cephalotes</i>	
				<i>Creumatogaster</i>	
				<i>Cyphomyrmex</i> <i>Kalathomyrmex</i> <i>Nesomyrmex</i> <i>Pheidole</i>	
				<i>Pogonomyrmex</i>	

Table S3. Cont.

United States			Argentina		
Family	Genus	Species	Family	Genus	Species
				<i>Pyramica</i>	<i>eggersi</i>
				<i>Solenopsis</i>	<i>(diplorhoptrum) sp. A</i>
					<i>(diplorhoptrum) sp. B</i>
					<i>(diplorhoptrum) metanotalus</i>
					<i>(diplorhoptrum) nr. clytemestra</i>
					<i>macdonaghi</i>
					<i>invicta</i>
			Ponerinae	<i>Wasmannia</i>	<i>auropunctata</i>
				<i>Hypoponera</i>	<i>punctatissima</i>
				<i>Odonotomachus</i>	<i>hematodus</i>
			Pseudomyrmecinae	<i>Pseudomyrmex</i>	<i>acanthobius</i>
					<i>denticollis</i>
					<i>elongatus</i>
					<i>flavidus</i> complex
					<i>gracilis</i>
					<i>phyllophilus</i>
					<i>termitarius</i>