

**NORTH ATLANTIC AREA**

ARS Laboratory Location	No. Species	Species and Order	No. Strains	
Beneficial Insects Introduction Research Unit, Newark, Delaware	29	<i>Aphis glycines</i>	Hemip.	1
		<i>Aphis gossypii</i>	Hemip.	1
		<i>Aphis nerii</i>	Hemip.	1
		<i>Diuraphis noxia</i>	Hemip.	1
		<i>Myzus persicae</i>	Hemip.	1
		<i>Rhopalosiphum maidis</i>	Hemip.	1
		<i>Rhopalosiphum padi</i>	Hemip.	1
		<i>Schizaphis graminum</i>	Hemip.	1
		<i>Lygus lineolaris</i>	Hemip.	1
		<i>Halyomorpha halys</i>	Hemip.	1
		<i>Aphelinus asychis</i>	Hymen.	1
		<i>Aphelinus atriplicis</i>	Hymen.	1
		<i>Aphelinus certus</i>	Hymen.	1
		<i>Aphelinus hordei</i>	Hymen.	1
		<i>Aphelinus kurdjumovi</i>	Hymen.	1
		<i>Aphelinus mali complex</i>	Hymen.	1
		<i>Aphelinus near gossypii</i>	Hymen.	1
		<i>Aphelinus varipes</i>	Hymen.	1
		<i>Aphelinus varipes complex</i>	Hymen.	1
		<i>Binodoxys sp.</i>	Hymen.	1
		<i>Diaretiella sp.</i>	Hymen.	1
		<i>Lysaphidus sp.</i>	Hymen.	1
		<i>Trissolcus itoi</i>	Hymen.	1
		<i>Trissolcus mitsukurii</i>	Hymen.	1
		<i>Trissolcus plauti</i>	Hymen.	1
		<i>Trissolcus sp.</i>	Hymen.	1
		<i>Heliothis subflexa</i>	Lep.	1
		<i>Heliothis virescens</i>	Lep.	1
		<i>Anoplophora glabripennis</i>	Coleop.	1
US Plant, Soil & Nutrition Laboratory Cornell University Ithaca, NY	6	<i>Rhopalsiphum padi</i>	Hemip.	1
		<i>Rhopalsiphum maidis</i>	Hemip.	1
		<i>Sitobion avenae</i>	Hemip.	1
		<i>Myzus persicae</i>	Hemip.	2
		<i>Metapolophium dirhodum</i>	Hemip.	1
		<i>Schizaphis graminum</i>	Hemip.	>15
Appalachian Fruit Research Station Kearneysville, WV	1	<i>Conotrachelus nenuphar</i>	Coleop.	1

**TOTAL:**

**3 ARS Locations                      36 Species                      4 Orders                      >51 Strains**

**BELTSVILLE AREA**

<b>ARS Laboratory Location</b>	<b>No. Species</b>	<b>Species and Order</b>	<b>No. Strains</b>
Invasive Insect Biocontrol & Behavior Laboratory Beltsville, MD	<b>9</b>	<i>Leptinotarsa decemlineata</i> Coleop.	1
		<i>Leptinotarsa juncta</i> Coleop.	1
		<i>Coleomegilla maculate</i> Coleop.	1
		<i>Diabrotica undecimpunctata howardi</i> Coleop.	1
		<i>Podisus maculiventris</i> Hemip.	1
		<i>Nezara viridula</i> Hemip.	1
		<i>Euschistus heros</i> Hemip.	1
		<i>Halyomorpha halys</i> Hemip.	1
		<i>Oncopeltus fasciatus</i> Hemip.	1
Bee Research Laboratory Beltsville, MD	<b>3</b>	<i>Apis mellifera</i> Hymen.	1
		<i>Galleria mellonella</i> Lep.	1
		<i>Aethina tumida</i> Coleop.	1
Animal Parasitic Diseases Laboratory Beltsville, MD	<b>2</b>	<i>Ixodes scapularis</i> Acari	1
		<i>Amblyomma americanum</i> Acari	1

**TOTAL:**

**3 ARS Locations                      14 Species                                      5 Orders                      14 Strains**

**SOUTH ATLANTIC AREA**

ARS Laboratory Location	No. Species	Species and Order	No. Strains
Southeastern Fruit and Tree Nut Research Laboratory Bryon, GA	8	<i>Diaprepes abbreviatus</i> Coleop.	1
		<i>Pachnaeus litus</i> Coleop.	1
		<i>Bamesia tabaci</i> (Biotype B) Hemip.	1
		<i>Diaphorina citri</i> Hemip	1
		<i>Toxoptera citricida</i> Hemip	1
		<i>Lysiphlebus testaceipes</i> Hymen.	1
		<i>Paratachardina lobata lobata</i> Hemip.	1
		<i>Maconellicoccus hirsutus</i> Hemip.	1
Crop Protection and Management Unit Tifton, GA	6	<i>Helicoverpa zea</i> Lep.	5
		<i>Heliothis virescens</i> Lep.	1
		<i>Spodoptera exigua</i> Lep.	1
		<i>Spodoptera frugiperda</i> Lep.	1
		<i>Cactoblastis cactorum</i> Lep.	1
		<i>Micropletis croceipes</i> Hymen.	1
Horticultural Research Laboratory Fort Pierce, FL	10	<i>Diaprepes abbreviatus</i> Coleop.	1
		<i>Pachneus litus</i> Coleop.	1
		<i>Diaphorina citri</i> Hemip.	1
		<i>Paratachardina lobata</i> Hemip.	1
		<i>Homalodisca vitripennis</i> Hemip.	1
		<i>Toxoptera citricida</i> Homop.	1
		<i>Bemisia tabaci</i> Homop.	1
		<i>Diaphorencyrtus aligarhensis</i> Hymen.	1
		<i>Lysiphlebus testaceipes</i> Hymen.	1
		<i>Phyllocnistis citrella</i> Lep.	1
U.S. Vegetable Laboratory Charleston, SC	6	<i>Diabrotica baltata</i> Coleop.	1
		<i>Diabrotica undecimpunctata</i> Coleop.	1
		<i>Delphastus catalinae</i> Coleop.	1
		<i>Diaphania nitidalis</i> Lep.	1
		<i>Diaphania hyalinata</i> Lep.	1
		<i>Bemisia tabaci</i> Hemip.	1
Center for Medical, Agricultural, and Veterinary Entomology Gainesville, FL		<i>Frankliniella occidentalis</i> Thysan.	1
		<i>Tribolium castaneum</i> Coleop.	1
		<i>Aethina tumida</i> Coleop.	1
		<i>Sitophilus oryzae</i> Coleop.	1
		<i>Plodia interpunctella</i> Lep.	11
		<i>Cactoblastis cactorum</i> Lep.	1
		<i>Melitara prodenialis</i> Lep.	1
		<i>Trichoplusia ni</i> Lep.	1
		<i>Spodoptera frugiperda</i> Lep.	1
		<i>Anticarsia gemmatalis</i> Lep.	1
		<i>Podisus maculiventris</i> Hemip.	1
		<i>Orius insidiosus</i> Hemip.	1
		<i>Apis mellifera</i> Hymen.	1
		<i>Anastrepha suspensa</i> Dipt.	15
		<i>Drosophila melanogaster</i> Dipt.	>10
		<i>Aedes aegypti</i> Dipt.	1
		<i>Anopheles quadrimaculatus</i> Dipt.	1
<i>Culex quiquefasciatus</i> Dipt.	1		

		<i>Stomoxys calcitrans</i>	Dipt.	1
		<i>Musca domestica</i>	Dipt.	3
		<i>Muscifurax raptor</i>	Hymen.	1
		<i>Splangia cameroni</i>	Hymen.	1
Subtropical Horticulture Research Station Miami, FL	3	<i>Anastrepha suspense</i>	Dipt.	1
		Amaryllis weevil	Coleop.	1
		<i>Myloccerus undatus</i>	Coleop.	1
Tropical Agriculture Research Station Mayaguez, Puerto Rico	1	<i>Phyllophaga vandinei</i>	Coleop.	1

**TOTAL:**

**7 ARS Locations                      57 Species                      7 Orders                      >95 Strains**

**NORTHERN PLAINS AREA**

<b>ARS Laboratory Location</b>	<b>No. Species</b>	<b>Species Name &amp; Order</b>	<b>No. Strains</b>
Biosciences Research Laboratory, Insect Genetics and Biochemistry Research Unit Fargo, ND	12	<i>Ephestia kuehniella</i> Lep. <i>Bemisia argentifolii</i> Hemip. <i>Homalodisca vitripennis</i> Hemip. <i>Gonatocerus ashmeadi</i> Hymen. <i>Leptinotarsa decemlineata</i> Coleop. <i>Musca domestica</i> Dipt. <i>Drosophila melanogaster</i> Dipt. <i>Cochliomyia macellaria</i> Dipt. <i>Phaenicia (=Lucilia) sericata</i> Dipt. <i>Anastrepha suspensa</i> Dipt. <i>Anopheles stephensi</i> Dipt. <i>Culex pipens</i> Dipt.	1 1 2 1 1 1 1 1 1 2 1 1
North Central Agricultural Research Laboratory Brookings, SD	4	<i>Diabrotica barberi</i> Coleop. <i>Diabrotica virgifera virgifera</i> Coleop. <i>Diabrotica virgifera zea</i> Coleop. <i>Oulema melanopus</i> Coleop.	1 13 1 1
Northern Plains Agricultural Research Laboratory Sydney, MT	8	<i>Melanoplus sanguinipes</i> Orthop. <i>Schistocerca Americana</i> Orthop. <i>Opeia confuses</i> Orthop. <i>Aulocara femoratum</i> Orthop. <i>Anabrus simplex</i> Orthop. <i>Diorhabda elongate</i> Coleop. <i>Cephus cinctus</i> Hymen. <i>Tenanops myopaeformis</i> Dipt.	2 1 1 1 1 1 1 1

Midwest Livestock Insects Research Unit, Lincoln, NE	2	<i>Musca domestica</i>	Dipt.	1
		<i>Stomoxys calcitrans</i>	Dipt.	1
Arthropod-Borne Animal Diseases Research Laboratory Laramie, WY	2	<i>Culicoides sonorensis</i>	Dipt.	3
		<i>Culex pipiens</i>	Dipt.	1
Grain Marketing and Production Research Center, Biological Control Research Unit Manhattan, KS	39	<i>Sitophilus granarius</i>	Coleop.	1
		<i>Sitophilus oryzae</i>	Coleop.	1
		<i>Sitophilus zeamais</i>	Coleop.	1
		<i>Tribolium castaneum</i>	Coleop.	>550
		<i>Tribolium confusum</i>	Coleop.	10
		<i>Tribolium fremani</i>	Coleop.	1
		<i>Tribolium madens</i>	Coleop.	1
		<i>Tribolium brevicornis</i>	Coleop.	1
		<i>Prostephanus truncatus</i>	Coleop.	1
		<i>Cynaesus augustus</i>	Coleop.	1
		<i>Tenebrio molitor</i>	Coleop.	1
		<i>Latheticus oryzae</i>	Coleop.	1
		<i>Palorus ratzeburgii</i>	Coleop.	1
		<i>Gnatocherus cornutus</i>	Coleop.	1
		<i>Alphitobius diaperinus</i>	Coleop.	1
		<i>Oryzaephilus surinamensis</i>	Coleop.	1
		<i>Oryzaephilus mercator</i>	Coleop.	1
		<i>Ahasverus advena</i>	Coleop.	1
		<i>Ahasverus sp.</i>	Coleop.	1
		<i>Cryptolestes pusillus</i>	Coleop.	1
		<i>Cryptolestes ferrugineus</i>	Coleop.	1
		<i>Tenebroides mauritanicus</i>	Coleop.	1
		<i>Lophocateres pusillus</i>	Coleop.	1
		<i>Trogoderma variabile</i>	Coleop.	1
		<i>Attagenus unicolor</i>	Coleop.	1
		<i>Lasioderma serricorne</i>	Coleop.	1
		<i>Stegobium paniceum</i>	Coleop.	1
		<i>Gibbium aequinoctiale</i>	Coleop.	1
		<i>Mezium affine</i>	Coleop.	1
		<i>Callosobruchus maculatus</i>	Coleop.	1
		<i>Acanthoscelides obtectus</i>	Coleop.	1
		<i>Plodia interpunctella</i>	Lep.	1
		<i>Ephestia kuehniella</i>	Lep.	1
<i>Rhyzopertha dominica</i>	Coleop.	1		
<i>Habrobracon hebetor</i>	Hymen.	1		
<i>Cephalonomia tarsalis</i>	Hymen.	1		
<i>Cephalonomia waterstoni</i>	Hymen.	1		
<i>Theocolax elegans</i>	Hymen.	1		
<i>Anisopteromalus calandrea</i>	Hymen.	1		

**TOTAL:**

**6 ARS Locations**

**67 Species**

**6 Orders >643 Strains**



		<i>Anastrepha serpentina</i>	Dipt.	1
		<i>Rhagoletis pomonella</i>	Dipt.	1
		<i>Aethina tumida</i>	Coleop.	1
Screwworm Research Laboratory Panama City, Panama	2	<i>Cochliomyia hominivorax</i>	Dipt.	8
		<i>Cochliomyia macellaria</i>	Dipt.	1
ARS Research Laboratory, Wheat, Peanut and Other Field Crops Research Unit Stillwater, OK	11	<i>Schizaphis graminum</i>	Hemip.	>30
		<i>Diuraphis noxia</i>	Hemip.	>107
		<i>Diuraphis tritici</i>	Hemip.	1
		<i>Diuraphis nodulus</i>	Hemip.	1
		<i>Diuraphis frequens</i>	Hemip.	1
		<i>Rhopalosiphum padi</i>	Hemip.	>20
		<i>Rhopalosiphum maidis</i>	Hemip.	1
		<i>Sipha flava</i>	Hemip.	1
		<i>Sipha elegans</i>	Hemip.	1
		<i>Sitobion avenae</i>	Hemip.	1
		<i>Metopolophium dirhodum</i>	Hemip.	1

**TOTAL:**

**7 ARS Locations      35 Species      7 Orders      >216 Strains**

**MIDSOUTH AREA**

ARS Laboratory Location	No. Species	Species Name & Order	No. strains
Southern Horticultural Laboratory Poplarville, MS	7	<i>Androthrips ramachandrai</i> Thysan. <i>Gynaikothrips ficorum</i> Thysan. <i>Montandoniola moraguesi</i> Hemip. <i>Stephanitis pyrioides</i> Hemip. <i>Microctonus sp.</i> Hymen. <i>Medina sp.</i> Hymen. <i>Paria fragariae</i> Coleop.	1 1 1 1 1 1 1
National Biological Control Laboratory Stoneville, MS	6	<i>Tetranychus urticae</i> Acari <i>Phytoseiulus persimilis</i> Acari <i>Lygus hesperus</i> Hemip. <i>Lygus lineolaris</i> Hemip. <i>Solenopsis invicta</i> Hymen. <i>Solenopsis richteri</i> Hymen.	1 1 1 1 1 1
Jamie Whitten Delta States Research Center, Southern Insect Management Unit Stoneville, MS	6	<i>Heliothis virescens</i> Lep. <i>Helicoverpa zea</i> Lep. <i>Spodoptera frugiperda</i> Lep. <i>Spodoptera exigua</i> Lep. <i>Lygus lineolaris</i> Hemip. <i>Acrosternum hilare</i> Hemip.	2 1 1 1 1 1
Southern Regional Research Center New Orleans, LA	3	<i>Coptotermes formosanus</i> Isop. <i>Diatraea saccharalis</i> Lep. <i>Eureuma loftini</i> Lep.	1 1 1
Sugarcane Research Unit Houma, LA	3	<i>Diatraea saccharalis</i> Lep. <i>Diatraea evanescens</i> Lep. <i>Cotesia flavipes</i> Hymen.	1 1 1
Honey Bee		<i>Apis mellifera</i> Hymen.	3

Breeding, Genetics and Physiology Laboratory Baton Rouge, LA	2	<i>Aethina tumida</i>	Coleop.	1
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**TOTAL:**  
**5 ARS Locations            27 Species                            7 Orders    29 Strains**

**PACIFIC WEST AREA**

<b>ARS Laboratory Location</b>	<b>No. Species</b>	<b>Species and Order</b>		<b>No. Strains</b>
San Joaquin Valley Agricultural Sciences Center, Parlier, CA	<b>33</b>	<i>Aphis gossypii</i>	Hemip.	2
		<i>Circulifer tenellus</i>	Hemip.	1
		<i>Acyrtosiphon pisum</i>	Hemip.	1
		<i>Amyelois transitella</i>	Lep.	3
		<i>Plodia interpunctella</i>	Lep.	2
		<i>Cadra figulilella</i>	Lep.	1
		<i>Cadra cautella</i>	Lep.	1
		<i>Cydia pomonella</i>	Lep.	1
		<i>Ephestia elutella</i>	Lep.	1
		<i>Anarsia lineatella</i>	Lep.	1
		<i>Carpophilus hemipterus</i>	Coleop.	1
		<i>Oryzaephilus mercator</i>	Coleop.	1
		<i>Oryzaephilus surinamensis</i>	Coleop.	1
		<i>Tribolium castaneum</i>	Coleop.	1
		<i>Tribolium confusum</i>	Coleop.	1
		<i>Lasioderma serricorne</i>	Coleop.	1
		<i>Trogoderma variabile</i>	Coleop.	1
		<i>Rhyzopertha dominica</i>	Coleop.	1
		<i>Callosobruchus maculatus</i>	Coleop.	1
		<i>Caliothrips fasciatus</i>	Thysan.	1
<i>Latrodectus hesperus</i>	Araneae	1		
<i>Habrobracon hebetor</i>	Hymen.	1		
<i>Venturia canescens</i>	Hymen.	1		
<i>Cephalonomia tarsalis</i>	Hymen.	1		
<i>Goniozus sp.</i>	Hymen.	1		
<i>Bactrocera oleae</i>	Dipt.	1		



		<i>Homalodisca vitripennis</i>	Hemip.	1
		<i>Homalodisca liturata</i>	Hemip.	1
		<i>Spissistilus festinus</i>	Hemip.	1
		<i>Xyphon fulgida</i>	Hemip.	1
		<i>Draeculacephala Minerva</i>	Hemip.	1
		<i>Mayetiola destructor</i>	Dipt.	1
		<i>Rhagoletis completa</i>	Dipt.	1
Exotic and Invasive Weeds Research Unit 800 Buchanan St. Albany, CA 94710	<b>13</b>	<i>Altica litigate</i>	Coleop.	1
		<i>Stenopelmus rufinasus</i>	Coleop.	1
		<i>Ceratapion basicorne</i>	Coleop.	1
		<i>Diorhabda elongate</i>	Coleop.	1
		<i>Psylliodes chalcomera</i>	Coleop.	1
		<i>Hylobius transversovittatus</i>	Coleop.	1
		<i>Cyphocleonus achates</i>	Coleop.	1
		<i>Epiphyas postvittana</i>	Lep.	1
		<i>Gymnancyla canella</i>	Lep.	1
		<i>Digitivalva delaireae</i>	Lep.	1
		<i>Arytinnis hakani</i>	Homop.	1
		<i>Parafreutreta regalis</i>	Dipt.	1
		<i>Aceria salsolae</i>	Acari	1
Tropical Plant Pests Research Unit Manoa, HI	<b>11</b>	<i>Bactocera dorsalis</i>	Dipt.	8
		<i>Bactocera cucurbitae</i>	Dipt.	6
		<i>Bactocera latifrons</i>	Dipt.	6
		<i>Ceratitidis capitata</i>	Dipt.	2
		<i>Fopius arisanus</i>	Hymen.	1
		<i>Fopius vandenboschi</i>	Hymen.	1
		<i>Psytallia fletcheri</i>	Hymen.	1
		<i>Psytallia incisi</i>	Hymen.	1
		<i>Diachasmimorpha longicaudata</i>	Hymen.	2
		<i>Diachasmimorpha krausii</i>	Hymen.	1
		<i>Diachasmimorpha tryoni</i>	Hymen.	1
Tropical Plant Pests Research Unit Hilo, HI	<b>3</b>	<i>Opogona sacchhari</i>	Lep.	1
		<i>Epiphyas postvittana</i>	Lep.	1
		<i>Cylas formicarius</i>	Coleop.	1
Carl Hayden Bee Research Center Tucson, AZ	<b>2</b>	<i>Apis mellifera</i>	Hymen.	2
		<i>Varroa destructor</i>	Acari	1
Arid-Land Agricultural Research Center Maricopa, AZ	<b>10</b>	<i>Pectinophora gossypiella</i>	Lep.	1
		<i>Heliothis virescens</i>	Lep.	1
		<i>Spodoptera exigua</i>	Lep.	1
		<i>Trichoplusia ni</i>	Lep.	1
		<i>Lygus hesperus</i>	Hemip.	1
		<i>Geocoris punctipes</i>	Hemip.	1
		<i>Orius insidiosus</i>	Hemip.	1
		<i>Collops vittatus</i>	Coleop.	1
		<i>Bemisia tabaci</i>	Hemip.	1
		<i>Aphis gossypii</i>	Hemip.	1

**TOTAL:**

**6 ARS Locations**

**72 Species**

**9 Orders**

**96 Strains**

## USDA/ARS INSECTS IN CULTURE - 2007

<b>North Atlantic Area</b>			
No. of Locations	No. Species	No. Orders	No. Strains
3	36	4	51
<b>Beltsville Area</b>			
No. of Locations	No. Species	No. Orders	No. Strains
3	14	5	14
<b>South Atlantic Area</b>			
No. of Locations	No. Species	No. Orders	No. Strains
4	57	7	>95
<b>Midwest Area</b>			
No. of Locations	No. Species	No. Orders	No. Strains
2	11	5	>25
<b>Midsouth Area</b>			
No. of Locations	No. Species	No. Orders	No. Strains
5	27	7	29
<b>Southern Plains Area</b>			
No. of Locations	No. Species	No. Orders	No. Strains
7	35	7	>216
<b>Northern Plains Area</b>			
No. of Locations	No. Species	No. Orders	No. Strains
6	67	6	>643
<b>Pacific West Area</b>			
No. of Locations	No. Species	No. Orders	No. Strains
7	72	9	96
<b>TOTAL:</b>	<b>37</b>	<b>10</b>	<b>&gt;1156</b>

\*some of the same species are reared at more than one location