

Reprinted from *The Florida Entomologist*, Volume 69, Number (2), June 1986.

**BIBLIOGRAPHY OF IMPORTED FIRE ANTS  
AND THEIR CONTROL: SECOND SUPPLEMENT**

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**ABSTRACT**

The red and black imported fire ants (IFA), *Solenopsis invicta* Buren and *S. richteri* Forel, now occupy more than 52 million ha in the southern United States. The literature on these controversial pests was collected in a bibliography (46) in 1978 and a supplement (370) in 1982. Since the first supplement was compiled, the flow of literature on IFA has increased to such an extent that a second supplement is warranted.

The primary source of citations for this supplement was the Agricultural Research Service Current Awareness Literature Service provided by the Lending Division, National Agricultural Library. This service is a computerized search of Biological Abstracts, Biological Abstracts/RRM, Chemical Abstracts, AGRICOLA (USDA's National Agricultural Library file), and the Commonwealth Agricultural Bureaux. Current Contents/Agricultural, Food, and Veterinary Sciences and Dissertation Abstracts were

manually searched. Hard copies of all citations were examined for categorization. Some citations, mainly M.S. theses and popular articles, were provided by cooperative researchers. In addition, a number of citations were found serendipitously, by perusing scientific journals. This latter category of citations consisted mainly of secondary references; however some primary citations were found that had improper key words or indexing.

All scientific papers dealing with any aspect of IFA biology and control are included. Popular articles (category J) (newspapers excepted) are included as these are the articles that the public reads and asks scientists about. Secondary references (category I) are included because these references integrate and synthesize published information on IFA with information on other ants and social insects. Any papers dealing only with residues resulting from IFA chemical treatments in non-target organisms or with physiological effects of toxicants in non-target organisms are not included.

The literature search for this bibliography was completed in October 1985. I continue to solicit reprints or citations on IFA literature, particularly M.S. theses, Ph.D. Dissertations, and popular articles for inclusion in future supplements.

Annotations indicate the subject categories for each citation.

- A = Taxonomy, Morphology
- B = Biology, Ecology
- C = Chemistry, Physiology
- D = Medical, Economic Effects
- E = Control; other than Biological
- F = Biocontrol
- G = Symbionts
- H = Regulatory
- I = Secondary References
- J = Popular article
- K = Bibliography
- L = Extension

The citations in each category are listed in Table 1.

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La hormiga roja importada y la hormiga negra importada, *Solenopsis invicta* Buren y *S. richteri* Forel, ocupan ahora más de 52 millones de ha en el sur de los Estados Unidos. La literatura sobre estas debatidas plagas fue obtenida de una bibliografía (46) en 1978 y de un suplemento (370) en 1982. Desde que el primer suplemento se compiló, el volumen de la literatura sobre *Solenopsis* ha aumentado a tal extremo que es justificado un segundo suplemento.

La fuente principal de las citaciones para este suplemento fue el "Agricultural Research Service Current Awareness Literature Service" proveído por el "Lending Division, National Agricultural Library". Este servicio consiste de una búsqueda computarizada de Resúmenes Biológicos, Resúmenes Biológicos/RRM, Resúmenes Químicos, AGRICOLA (archivo de la Biblioteca Agrícola Nacional de USDA), y del "Commonwealth Agricultural Bureaux". Contenidos Actuales/Agrícolas, Alimentos, y Ciencias Veterinarias y Resúmenes de Disertaciones fueron manualmente investigadas. Copias de todas las citaciones fueron examinadas para categorizarlas. Algunas citaciones, principalmente tesis de Masters (M.S.) y artículos populares, fueron suministrados por investigadores cooperadores. Además, un número de citaciones se encontraron accidentalmente escudriñando revistas científicas. Esta última categoría de

TABLE 1. CITATIONS IN EACH CATEGORY.

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|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A | 8, 36-39, 140, 230, 248, 256-259, 327, 342, 371, 372.                                                                                                                                                                                                                                                                                                                                                                                                                |
| B | 5-10, 28-30, 36-39, 55, 58, 60, 63, 64, 69, 71, 73, 70, 85-88, 95-97, 99, 100-107, 109-114, 117, 121-125, 128-134, 137, 139, 140, 146, 147, 153-155, 157, 159, 164, 174, 175, 179, 181, 188, 192, 198-204, 206, 208, 213, 216, 217, 219, 220, 227, 228, 230, 233, 234, 248, 249, 255, 257-259, 261, 263-265, 267, 268, 270, 271, 274-276, 279, 282, 287, 289-298, 302, 307-309, 311-313, 315-319, 326, 329, 330, 335, 339, 341-345, 358, 359, 361, 363-369, 371-373. |
| C | 32, 36, 40, 57-62, 66, 69, 70, 82, 84, 90, 95, 100, 111-114, 132, 150, 153-156, 158, 160-163, 165, 166, 180, 189, 198, 199, 210-212, 214, 220, 223, 231, 232, 237, 242, 248, 253, 262, 266, 272, 273, 275, 283, 290-293, 295-298, 325-330, 332, 334, 337, 338, 340-342, 344, 358-360.                                                                                                                                                                                |
| D | 1-4, 8, 20, 27, 33, 35, 59, 61, 63, 64, 72, 91, 92, 98, 119, 124, 127, 135, 138, 141, 142, 144, 148, 150, 172, 180, 189, 191, 193, 195, 197, 229, 231, 240, 241, 243-245, 254, 277-279, 281, 283, 289, 300, 301, 304, 310, 323.                                                                                                                                                                                                                                      |
| E | 10, 11, 15, 16, 19, 21, 22, 28, 31, 41-45, 47, 50-52, 54, 63-65, 75-78, 80, 84, 89, 93, 97, 98, 104, 108, 111, 118, 120, 131, 145, 149, 151, 152, 184-187, 190, 195, 196, 201-203, 206-209, 211, 218, 220-222, 224, 229, 238, 250-252, 269, 277, 278, 280, 284-287, 303, 322-324, 330, 331, 333, 346-357, 362.                                                                                                                                                       |
| F | 25, 53, 74, 126, 167-171, 176, 226, 278, 287, 369.                                                                                                                                                                                                                                                                                                                                                                                                                   |
| G | 83, 126, 136, 168, 177, 214, 235, 236, 266, 305, 334, 369.                                                                                                                                                                                                                                                                                                                                                                                                           |
| H | 12, 23, 24, 34, 94, 115, 116, 182, 183, 246, 247, 278, 287, 299, 300, 314, 323.                                                                                                                                                                                                                                                                                                                                                                                      |
| I | 2, 8, 22, 27, 32, 35, 41, 45, 47, 50, 55, 57-62, 69, 72, 78, 87, 111, 121, 126, 128, 141, 142, 146, 148-150, 156, 158, 165, 166, 168-170, 177, 182, 183, 188, 193-197, 213, 220-222, 224, 229, 231, 238, 242, 243, 249, 264, 265, 278, 281, 283, 284, 287, 301, 304, 307, 316, 317, 320, 323, 325-327, 330, 337, 338, 341, 342, 346-348, 363-369.                                                                                                                    |
| J | 11, 14-21, 56, 67, 68, 80, 81, 89, 93, 96, 135, 136, 143, 151, 173, 176, 190, 209, 214, 225, 241, 260, 266, 309, 321, 322, 324, 336.                                                                                                                                                                                                                                                                                                                                 |
| K | 46, 205, 370.                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| L | 13, 26, 48, 49, 178, 215, 239, 306.                                                                                                                                                                                                                                                                                                                                                                                                                                  |

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citaciones consistió principalmente de referencias secundarias; sin embargo, se encontró que algunas citaciones primarias tenían palabras claves o índices impropios.

Se incluyen todos los trabajos científicos que tratan con cualquier aspecto de la biología y control de *Solenopsis*. Artículos populares (categoría J) (exceptuando periódicos) son incluidos puesto que estos son los artículos que el público lee y pregunta sobre ellos. Se incluyen referencias secundarias (Categoría I) porque estas referencias integran y sintetizan información publicada sobre *Solenopsis* que contienen información sobre otras hormigas e insectos sociales. No se incluyen trabajos que tratan sobre residuos de tratamientos químicos con *Solenopsis* en los organismos que no fueron

objetivos, o trabajos con efectos fisiológicos de toxicantes en los organismos que no fueron su objetivo.

La búsqueda de la literatura para esta bibliografía fue completada en Octubre de 1985. Yo continuo solicitando copias o citas en la literatura sobre *Solenopsis*, particularmente Tesis de Masters, Disertaciones de Ph.D., y artículos populares para incluirlos en futuros suplementos.

Las anotaciones indican las categorías de los sujetos de cada citación.

- A = Taxonomía, Morfología
- B = Biología, Ecología
- C = Química, Fisiología
- D = Medicina, Efectos Económicos
- E = Control; otro que Biológico
- F = Biocontrol
- G = Simbiótico
- H = Regulatorio
- I = Referencias Secundarias
- J = Artículos Populares
- K = Bibliografía
- L = Extensión

Las citaciones en cada categoría están listadas en el Cuadro 1.

Mención de un producto registrado no constituye un endorso o recomendación de su uso por el Departamento de Agricultura de los Estados Unidos.

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