

# Superfamilies and families of parasitoids (Hymenoptera) collected in the forest of Brazil.

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Interest in biological controls has grown in various countries, as a response to the adverse effects of chemical pesticides on the environment and on biodiversity. Moreover, it has grown as a function of new international trends in agricultural production involving the utilization of alternative means that are less aggressive to the environment and which favor conservation and the sustainable use of biodiversity

The objective of this study was to verify the superfamilies and families of parasitoids (Hymenoptera) collected in area of forest in the south Goiás, Brazil using yellow bowl traps February to October 2002.

Sampling was weekly, with 10 yellow bowl traps placed at ground level and allocated at random to areas of native vegetation and pastures. A total of five yellow pan traps were placed in the pastures and five in forests. These traps were the spherical yellow plastic bowls approximately 30 cm in diameter and 12 cm height which was deposited a mixture of 2 liters of water, 2 ml of detergent and 2 ml of formaldehyde (Figure).

List of Superfamilies and families of parasitoids (Hymenoptera) (Table 1).



Figure - Yellow Bowl Traps

Figure

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Table - Superfamilies and families of parasitoids collected in the forest of Brazil in 2002.

Taxonomic Group	Months									
	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	
<b>Superfamilies/ Families</b>										
<b>Bethylidoidea:</b>										
Bethylidae	46	28	13	35	13	14	25	31	16	
Dryinidae	1	1	0	2	0	0	0	1	1	
<b>Ceraphranoidea:</b>										
Ceraphronidae	16	20	31	13	2	2	5	9	1	
Megaspilidae	1	1	0	2	1	0	12	2	0	
<b>Chalcidoidea:</b>										
Agoanidae	1	0	0	1	0	0	0	0	0	
Chalcididae	1	1	7	5	0	3	3	15	2	
Encyrtidae	118	31	24	89	35	40	13	17	3	
Eucharitidae	0	4	1	3	1	2	3	1	0	
Eulophidae	16	8	16	34	5	8	7	10	15	
Eupelmidae	6	1	4	2	3	3	13	26	13	
Eurytomidae	1	0	0	0	2	3	2	0	1	
Mymaridae	1	1	0	2	1	0	11	2	0	
Pteromalidae	9	0	2	12	3	8	3	0	1	
Torymidae	20	4	3	13	3	6	4	0	0	
<b>Cynipoidea:</b>										
Figitidae	12	15	12	3	2	0	0	3	4	
<b>Evanoidea:</b>										
Evaniidae	3	0	2	2	0	0	3	7	3	
<b>Ichneumonoidea:</b>										
Braconidae	113	25	33	18	9	6	9	12	4	
Ichneumonidae	118	67	87	42	8	4	33	61	21	
<b>Platygastridae:</b>										
Platygastridae	4	0	2	8	4	3	12	1	1	
Scelionidae	14	2	4	13	5	9	1	0	1	
<b>Proctotrupoidea:</b>										
Diapriidae	106	12	65	50	22	18	19	48	10	

Figure