

## Project Update: May 2011

I've finished the fieldwork season in April 2011 and now I have started the analysis. So far, I found 104 bird species (Table 1), and I'm preparing bird density estimates for each production system in order to produce the density/yield functions.

I have recorded four threatened bird species: *Xanthopsar flavus* (saffron-cowled blackbird), *Rhea americana* (greater rhea), *Xolmis dominicanus* (black-and-white monjita), and *Sporophila cinnamomea* (chestnut seedeater), besides one regionally threatened species: *Cistothorus platensis* (sedge wren).

Table 1: Preliminary biological results for birds in each study site of each productive system.

| System                 | Number of species | System                  | Number of species |
|------------------------|-------------------|-------------------------|-------------------|
| Soya 1                 | 16                | Eucalyptus 1            | 11                |
| Soya 2                 | 28                | Eucalyptus 2            | 10                |
| Soya 3                 | 11                | Eucalyptus 3            | 7                 |
| Soya 4                 | 12                | Eucalyptus 4            | 15                |
| <b>Total Soya</b>      | <b>44</b>         | <b>Total Eucalyptus</b> | <b>22</b>         |
| Extensive 1            | 25                | Intensive 1             | 27                |
| Extensive 2            | 31                | Intensive 2             | 39                |
| Extensive 3            | 32                | Intensive 3             | 20                |
| Extensive 4            | 22                | Intensive 4             | 22                |
| Extensive 5            | 24                | Intensive 5             | 15                |
| Extensive 6            | 24                | Intensive 6             | 19                |
| <b>Total Extensive</b> | <b>59</b>         | <b>Total Intensive</b>  | <b>62</b>         |
| Natural 1              | 25                |                         |                   |
| Natural 2              | 25                |                         |                   |
| Natural 3              | 26                |                         |                   |
| Natural 4              | 27                |                         |                   |
| <b>Total Natural</b>   | <b>65</b>         |                         |                   |

Dung beetles samples are still being processed and until now I have 18 morphospecies in the whole region. I've added a plant group (Asteraceae) to verify the effects of production intensification, and the species identification is being carried out.

