**Online Resource 1.** Location of Cueva de Los Guácharos National Park (Huila, Colombia). Green represents forested areas, pink colors represent recently deforested areas, deep blue represents young secondary forests and white and brown areas indicate crops, grassland and urban areas. (Source: Global Forest Watch. www.globalforestwatch.org)

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**Online Resource 2.** Density of seeds at traps located in the wall and in the center of the main cave in Cueva de los Guácharos National Park, (Huila, Colombia).

**Location**

Wall cave

Center cave

**Density (seeds.m-2.day)**

**Online Resource 3.** Calculation of Importance Index of plants (a) species and (b) families of Oilbird diet recorder between 2011 and 2015 in the main cave of Cueva de los Guácharos National Park (Huila – Colombia).

**a)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Species** | **Relative Density (%)** | **Relative Frequency (ln%)** | **Relative Dominance (%)**  | **Importance Index** |
| *Prestoea acuminata* | 35.00 | 4.61 | 13.23 | 52.84 |
| Lauraceae(*lr*) | 26.03 | 4.42 | 7.92 | 38.37 |
| Lauraceae(*pg*) | 4.03 | 4.07 | 19.47 | 27.57 |
| *Geonoma* sp. | 18.66 | 4.61 | 2.04 | 25.31 |
| *Dacryodes* sp. | 1.94 | 4.42 | 12.19 | 18.55 |
| *Nectandra* cf. *purpurea* | 2.76 | 4.32 | 8.33 | 15.41 |
| *Euterpe precatoria* | 3.69 | 4.20 | 3.46 | 11.35 |
| *Nectandra* sp. | 4.19 | 4.52 | 1.89 | 10.60 |
| Lauraceae(*ag*) | 0.73 | 3.51 | 5.09 | 9.33 |
| *Hedyosmum c*f. *cuatrecazanum* | 4.41 | 4.61 | 0.05 | 9.07 |
| *Lauraceae* (*m*) | 1.33 | 4.32 | 2.33 | 7.98 |
| *Lauraceae* (*rr*) | 2.60 | 4.32 | 0.76 | 7.68 |
| *Chamaedorea linearis* | 1.71 | 4.07 | 1.62 | 7.40 |
| *Lauraceae* (*cal*) | 2.04 | 3.91 | 0.87 | 6.82 |
| *Dendropanax* cf. *macrocarpus* | 1.82 | 4.52 | 0.07 | 6.41 |
| *Bactris* sp. | 1.01 | 4.07 | 1.18 | 6.26 |
| *Oenocarpus minor* | 1.04 | 4.32 | 1.44 | 5.76 |
| *Oenocarpus bataua* | 1.28 | 4.32 | 1.10 | 5.42 |
| *Rodostemonodaphne grandis* | 0.22 | 3.51 | 1.59 | 5.32 |
| *Persea* sp. | 0.79 | 3.51 | 1.00 | 5.30 |
| Lauraceae (*gua*) | 0.26 | 4.07 | 0.17 | 4.50 |
| Humiriaceae(*pa*) | 0.18 | 3.91 | 0.41 | 4.50 |
| Lauraceae(*rgi*) | 0.32 | 2.12 | 1.54 | 3.98 |
| *Trattinnickia* sp. | 0.53 | 2.78 | 0.29 | 3.60 |
| *Aiphanes sp.* | 0.10 | 3.22 | 0.19 | 3.51 |
| Lauraceae (*peg*) | 0.66 | 2.12 | 0.64 | 3.42 |
| Lauraceae (*palo*) | 0.06 | 3.22 | 0.05 | 3.33 |
| Lauraceae (*rc*) | 0.08 | 2.12 | 0.48 | 2.68 |

**b)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Family** | **Relative Density (%)** | **Relative Frequency (ln%)** | **Relative Dominance (%)**  | **Importance Index** |
| Arecaceae | 53.78 | 4.61 | 52.50 | 110.88 |
| Lauraceae | 38.51 | 4.61 | 37.19 | 80.31 |
| Burseraceae | 3.78 | 4.61 | 1.11 | 13.01 |
| Chloranthaceae | 2.22 | 4.52 | 6.27 | 9.50 |
| Araliaceae | 1.56 | 4.52 | 2.82 | 8.90 |
| Humiriaceae | 0.15 | 3.91 | 0.11 | 4.17 |

**Online Resource 4.** Occupied nests by Oilbirds inside the cave of Cueva de los Guácharos National Park (Huila – Colombia) in 2015. Data was recorder by the National Park staff.

|  |  |
| --- | --- |
| Month | Year |
| 2014 | 2015 |
| Jan | - | 959 |
| Feb | - | 948 |
| Mar | - | 976 |
| Apr | - | 928 |
| May | 882 | 907 |
| Jun | 559 | 675 |
| Jul | 189 | 65 |
| Aug | 82 | 20 |
| Sep | 131 | 31 |
| Oct | 206 | 98 |
| Nov | 615 | 172 |
| Dic | 740 | 535 |

**Online Resource 5.** Lipid content of fruits known to be eaten by Oilbirds in different studies.

|  |  |  |  |
| --- | --- | --- | --- |
| **Species** | **Family** | **% lipids** | **Reference** |
| *Bactris gasipaes* | Arecaceae | 5.4 | Rojas. G. 2012 |
| *Bactris gasipaes* | Arecaceae | 4.6 | Gongora. Lopez & Young 1953 in: Bernal & Correa. 1998 |
| *Bactris gasipaes* | Arecaceae | 4.4 | Leung 1961 in: Bernal & Correa. 1998 |
| *Bactris gasipaes* | Arecaceae | 0.8 | Villachica 1996 in: Bernal & Correa. 1998 |
| *Bactris setulosa* | Arecaceae | 28.3 | Bosque et al. 1995 |
| *Ceroxylon quindiuense* | Arecaceae | 2.4 | Rojas. G. 2012 |
| *Chamaedorea linearis* | Arecaceae | 1.8 | Rojas. G. 2012 |
| *Euterpe precatoria* | Arecaceae | 0.3 | Rojas. G. 2012 |
| *Euterpe precatoria* | Arecaceae | 8.0 | Bosque et al. 1995 |
| *Prestoea acuminata* | Arecaceae | 1.1 | Bosque et al. 1995 |
| *Geonoma densa* | Arecaceae | 5.5 | Bosque et al. 1995 |
| *Geonoma webwebaueri* | Arecaceae | 1.5 | Rojas. G. 2012 |
| *Oenocarpus bataua* | Arecaceae | 12.4 | Rojas. G. 2012 |
| *Oenocarpus bataua* | Arecaceae | 19.7 | Bosque et al. 1995 |
| *Persea caerulea* | Lauraceae | 10.3 | Rojas. G. 2012 |
| *Aniba perutilis* | Lauraceae | 2.3 | Rojas. G. 2012 |
| *Nectandra acutifolia* | Lauraceae | 32.0 | Rojas. G. 2012 |
| *Beilschmedia sulcata* | Lauraceae | 33.3 | Bosque et al. 1995 |
| *Nectandra* aff. *laurel* | Lauraceae | 63.2 | Bosque et al. 1995 |
| *Nectandra membranacea* | Lauraceae | 67.8 | Bosque et al. 1995 |
| *Nectandra turbacensis* | Lauraceae | 60.2 | Bosque et al. 1995 |
| *Ocotea* aff. *austinii* | Lauraceae | 54.8 | Bosque et al. 1995 |
| *Ocotea floribunda* | Lauraceae | 52.4 | Bosque et al. 1995 |
| *Ocotea* sp. | Lauraceae | 36.0 | Bosque et al. 1995 |
| *Persea caerulea* | Lauraceae | 46.5 | Bosque et al. 1995 |
| *Phoebe cinnamomifolia* | Lauraceae | 34.0 | Bosque et al. 1995 |
| *Dacryodes trinitensis* | Burseraceae | 2.5 | Bosque et al. 1995 |
| *Myrcianthes leucoxyla* | Myrtaceae | 1.0 | Rojas. G. 2012 |
| Araliaceae sp. | Araliaceae | 3.6 | Bosque et al. 1995 |

**Online Resource 6.** Species accumulation curve for the first sampling period in 2015, including 10 days of seed sampling in the main cave at Cueva de Los Guacharos National Park.



**Online Resource 7.** Seedlings of germinated seeds inside the main cave of Cueva de los Guácharos National Park (Huila, Colombia).

