|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **province** | **site** | **specimens examined** | **date** | **observation (collectors, etc)** |
| Salta | Cafayate, Los Médanos | 32F 24M | 3-XI-2004 | Compagnuci & Grismado |
|  | 5 km North of Cachi, along La Poma road | 1F 2M | 5-XI-2004 | Compagnuci & Grismado, foraging on “molle” (*Schinus areira* L.) |
|  | 5 km North-East of Cafayate | 1F 11M | 14-XI-1993 | A. Roig A., on flowers of *Prosopis* sp. |
| Tucumán | Amaichá del Valle | 8F | 2-XI-2004 | Compagnuci & Grismado, foraging on *Prosopis* sp. |
| La Rioja | Anillaco | 12F 4M | 1-6-XI-2011 | Roig A., González V., Compagnucci, in pan-trap |
|  | Anillaco | 22M | 1-6-XI-2011 | Roig A., González V., Compagnucci, ex *Prosopis* sp. |
|  | R. Peñaloza-El Rosillo (near Chepes) | 10M | 22-XI-1997 | host: *Larrea divaricata* Cav. (“jarilla”), S. Roig |
|  | La Rioja | 1F | 10-XI-1902 | Dr. Giacomelli |
| Santiago del Estero | Dpto. Matará, detour 511 | 2F 2M | 24-X-1928 | Prof. M. Gomez |
|  | - | 4F | - | Prof. M. Gomez |
| Catamarca | San Fernando, 50 km North of Belén | 1M | 4-XI-1989 | L. Moffatt |
|  | San Fernando, 50 km North of Belén | 2F 13M | 4-6-XI-1989 | L. Moffatt |
|  | San Fernando | 1F | 16-XI-1993 | A. Roig A. |
| San Luis | Balde Los Taurasindos | 2F | 22-X-2003 |  |
| Mendoza | Lavalle, Rva. Telteca (32º23’06’’S, 68º02’99’W) | 9M | 18-25-X-1997 | S. Roig |

**Appendix I.** Museum specimens examined from MACN entomological collection.

**Appendix II.** Available floral resources during the *Calliopsis* nesting period (September 2008 and 2011) in the Chaco forest. Flowering abundance degree: black = high, dark grey= common, light grey = rare, white = absent. Plant life-forms: T = trees, S = shrubs (more than 1 m in height), C = climbers and lianas, H = herbs, semi-shrubs and shrubs less than 1 m in height, E = epiphytes. \* = naturalized species.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Plant family** | **Plant taxon (species or group of species)** | **Locality 1** | **Locality 2** | **Plant life-form** |
|  |  | **20-26 Sept 2008** | **19-22 Sept 2011** |  |
| Acanthaceae | ***Ruellia*** spp. |   |  | **H** |
|  | Acanthaceae (except ***Ruellia***) |   |  | **H** |
| Achatocarpaceae | ***Achatocarpus praecox*** Griseb. |   |  | **S-T** |
| Aizoaceae | ***Sesuvium portulacastrum*** (L.) L. |   |  | **H** |
| Apiaceae | ***Eryngium*** spp. |   |  | **H** |
|  | Apiaceae spp. (except ***Eryngium)*** |   |  | **H** |
| Apocynaceae, Apocynoideae | ***Aspidosperma quebracho-blanco*** Schltdl. |   |  | **T** |
|  | ***Vallesia glabra*** (Cav.) Link |   |  | **S** |
| Apocynaceae, Asclepiadoideae | ***Morrenia odorata*** (Hook. & Arn.) Lindl. |  |  | **C** |
| Asteraceae, Astereae | ***Baccharis trinervis*** Pers. |   |  | **S** |
|  | ***Conyza*** spp. |   |  | **H** |
|  | ***Mikania*** spp. |   |  | **C** |
| Asteraceae, Eupatorieae | ***Eupatorium macrocephalum*** Less. |  |  | **H** |
| Asteraceae, Helenieae | ***Flaveria bidentis*** (L.) Kuntze |   |  | **H-S** |
| Asteraceae, Heliantheae | ***Porophyllum ruderale*** (Jacq.) Cass. |   |  | **H** |
|  | ***Tagetes minuta*** L. |   |  | **H-S** |
|  | ***Bidens*** spp. |   |  | **H** |
|  | ***Eclipta prostrata*** (L.) L. |   |  | **H** |
|  | ***Melanthera latifolia*** (Gardner) Cabrera |   |  | **H** |
|  | ***Parthenium hysterophorus*** L. |   |  | **H** |
|  | ***Xanthium spinosum*** L. |   |  | **H** |
| Asteraceae, Inuleae | ***Gamochaeta*** spp. |   |  | **H** |
|  | ***Pterocaulon*** sp. |  |  | **H** |
| Asteraceae, Lactuceae | ***Hypochaeris*** spp. |   |  | **H** |
|  | ***Sonchus asper*** (L.) Hill |   |  | **H** |
|  | ***Sonchus oleraceus*** L. |   |  | **H** |
| Asteraceae, Mutisieae | ***Chaptalia nutans*** (L.) Pol. |  |  | **H** |
|  | ***Holocheilus hieracioides*** (D. Don) Cabrera |   |  | **H** |
| Asteraceae, Senecioneae | ***Senecio*** spp. |   |  | **H** |
| Bignoniaceae | ***Amphilophium cynanchoides*** (DC.) L.G. Lohmann |   |  | **C** |
|  | ***Dolichandra cynanchoides*** Cham. |   |  | **C** |
|  | ***Fridericia dichotoma*** (Jacq.) L.G. Lohmann |   |  | **C** |
|  | ***Tabebuia impetiginosa*** (Mart. Ex DC.) Standl. |  |  | **T** |
| Boraginaceae | ***Heliotropium*** spp. |   |  | **H** |
| Brassicaceae | ***Exhalimolobos*** sp. |   |  | **H** |
|  | ***Lepidium didymum*** L. |   |  | **H** |
|  | ***Lepidium*** spp. |  |  | **H** |
| Buddlejaceae | ***Buddleja*** spp. |   |  | **S** |
| Calyceraceae | ***Acicarpha tribuloides*** Juss. |  |  | **H** |
| Capparidaceae | ***Capparis salicifolia*** Griseb. |   |  | **S** |
|  | ***Capparis speciosa*** Griseb. |   |  | **S-T** |
|  | ***Capparis tweediana*** Eichler |   |  | **S** |
| Celastraceae | ***Maytenus vitis-idaea*** Griseb. |   |  | **S-T** |
|  | ***Moya spinosa*** Griseb. |   |  | **S-T** |
| Celtidaceae | ***Celtis*** spp. |   |  | **T** |
| Commelinaceae | ***Commelina erecta*** L. |  |  | **H** |
| Convolvulaceae | Convolvulaceae spp. (***Ipomoea cairica*** (L.) Sweet, etc.) |   |  | **H-C** |
| Cucurbitaceae | Cucurbitaceae spp. |   |  | **C** |
| Euphorbiaceae | ***Cnidoscolus loasoides*** (Pax) I.M. Johnst. |   |  | **H** |
|  | ***Croton bonplandianus*** Baill. |   |  | **H-S** |
| Fabaceae, Caesalpinioideae | ***Cercidium praecox*** (Ruiz & Pav. ex Hook.) Harms |   |  | **T** |
|  | ***Senna morongii*** (Britton) H.S. Irwin & Barneby |  |  | **S** |
| Fabaceae, Mimosoideae | ***Acacia aroma*** Gillies ex Hook. & Arn. |   |  | **S-T** |
|  | ***Acacia curvifructa*** Burkart |   |  | **S** |
|  | ***Acacia praecox*** Griseb. |   |  | **S-T** |
|  | ***Albizia inundata*** (Mart.) Barneby & J.W. Grimes |   |  | **S-T** |
|  | ***Enterolobium contortosiliquum*** (Vell.) Morong |   |  | **T** |
|  | ***Leucaena leucocephala*** (Lam.) de Wit. |  |  | **T\*** |
|  | ***Mimosa detinens*** Benth. |  |  | **S-T** |
|  | ***Prosopis alba*** Griseb. |   |  | **T** |
|  | ***Prosopis elata*** (Burkart) Burkart |   |  | **S-T** |
|  | ***Prosopis kuntzei*** Harms |   |  | **T** |
|  | ***Prosopis nigra*** (Griseb.) Hieron. |   |  | **T** |
|  | ***Prosopis ruscifolia*** Griseb. |   |  | **T** |
|  | ***Prosopis vinalillo*** Stuck. |   |  | **T** |
|  | ***Prosopis*** (hybrids) |   |  | **S-T** |
| Fabaceae, Papilionoideae | ***Melilotus*** spp. |   |  | **H** |
|  | ***Melilotus albus*** Desr. |   |  | **H** |
|  | ***Vicia*** sp. |  |  | **H** |
| Iridaceae | ***Sisyrinchium*** sp. |   |  | **H** |
| Lamiaceae | ***Leonurus*** sp. |   |  | **H** |
|  | ***Salvia*** sp. |   |  | **H** |
| Lythraceae | ***Heimia salicifolia*** (Kunth) Link |   |  | **S** |
| Malpighiaceae | ***Mascagnia brevifolia*** Griseb. |   |  | **C** |
| Malvaceae | Malvaceae spp. (***Sphaeralcea*** sp. etc) |   |  | **H-S** |
| Menispermaceae | ***Cissampelos pareira*** L. |   |  | **C** |
| Moraceae | ***Maclura tinctoria*** (L.) Steud. |   |  | **T** |
| Nyctaginaceae | ***Pisonia zapallo*** Griseb. var. ***guaranitica*** Toursark. |   |  | **T** |
| Onagraceae (=Oenotheraceae) | ***Oenothera*** spp. |   |  | **H** |
| Oxalidaceae | ***Oxalis*** sp. |   |  | **H** |
| Plantaginaceae | ***Plantago*** spp. |   |  | **H** |
|  | ***Scoparia*** spp. |   |  | **H** |
| Polygalaceae | ***Polygala*** sp. |   |  | **H** |
| Polygonaceae | ***Muehlenbeckia sagittifolia*** (Ortega) Meisn. |   |  | **C** |
|  | ***Polygonum*** spp. |   |  | **H** |
|  | ***Rumex*** spp. |   |  | **H** |
| Ranunculaceae | ***Clematis montevidensis*** Spreng. |   |  | **C** |
| Rhamnaceae | ***Ziziphus mistol*** Griseb. |   |  | **T** |
| Rubiaceae | ***Borreria densiflora*** DC. var. ***perennis*** Standl. |   |  | **H** |
|  | Rubiaceae spp. |   |  | **H** |
| Salicaceae | ***Xylosma venosa*** N.E. Br. |   |  | **T** |
| Sapotaceae | ***Sideroxylon obtusifolium*** (Roem. & Schult.) T.D. Penn. |   |  | **T** |
| Sclerophylacaceae | ***Sclerophylax trispermus*** Di Fulvio |   |  | **H** |
| Simaroubaceae | ***Castela coccinea*** Griseb. |   |  | **S-T** |
| Solanaceae | ***Jaborosa integrifolia*** Lam. |   |  | **H** |
|  | ***Nicotiana glauca*** Graham |   |  | **S** |
|  | ***Nicotiana longiflora*** Cav. |   |  | **H** |
|  | ***Petunia*** sp. |   |  | **H** |
|  | ***Solanum*** spp. |   |  | **H-S** |
| Verbenaceae | ***Glandularia*** spp. |   |  | **H** |
|  | ***Lantana*** sp. |   |  | **S** |
|  | ***Lippia alba*** (Mill.) N.E. Br. |   |  | **S** |
|  | ***Phyla reptans*** (Kunth) Greene |   |  | **H** |
|  | ***Pitraea cuneato-ovata*** (Cav.) Caro |   |  | **H** |
|  | ***Verbena*** spp. |   |  | **H** |
| Vitaceae | ***Cissus verticillata*** (L.) Nicolson & C.E. Jarvis subsp. ***verticillata*** |  |  | **C** |
| **42 families** | **106 taxa** | **83 taxa** | **44 taxa** |  |

**Appendix III.** Climate diagram showing mean monthly rainfall, mean monthly temperature and the number frost days from 2008 to 2010 for “Los Frentones” metheorological station (26° 22' 13'' S, 61° 27' 34'' W), Chaco province, Argentina. Mean annual temperature is 22.2°C and total annual rainfall is 835mm. Frost days for 2010 and other data missing from the table are due to malfunctioning of meteorological station.

