



# AAP

## Quick User Guide

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### 1.1. Navigation Bar

The Navigation Form at the top has nine tabs. The user may enter data and run queries on any one of the selected tabs independently.



The functions of these tabs are briefly described below:

**HomeYard:** Detailed daily bird sightings in a small local area (patch or yard) to track the impact of habitat and weather conditions (in conjunction with **Flora** and **Weather** data entries.)

**Region:** Bird sightings in a larger area (district/county) which includes HomeYard to compare local population with those in a more diverse habitat.

**Country/World:** Bird sightings in the whole country of user's residence and in different countries. This tab is used for generating a Lifelist and total sightings by year and by location.

**Nesting:** Observations on nesting birds in HomeYard or elsewhere; from nest building to laying eggs to feeding chicks

**Animals:** Animal sightings in HomeYard or elsewhere

**Insects:** Sightings of various insects in HomeYard or elsewhere

**Flora:** Lists of plants that provide food to birds and insects. Queries and plots for favored plants for birds, animals and insects are included

**Weather:** Daily local temperature, wind speed and direction, sky conditions and observer hours for HomeYard entries



**ValueTables:** Default Tables for selecting the gender and maturity of creatures and type of flora and the condition of a nest. These tables may be modified by the user.

## 1.2. Data Entry

Data Entry forms format is similar in all the tabs although the number of fields may vary. The HomeYard Data Entry form is illustrated below.

FloralID	Item	Comments
Bradford Pear	Fruit	feeding on pears

A brief explanation of the fields is given below. Entries with ‘\*’ are required.

**\*Observation Date:** select from calendar

**\*Observation Time:** 24 hour format (example: 6:00 for 6 AM, 14:00 for 2 PM)

**\*Bird:** use pulldown menu or start typing the species name as listed in eBird (Clements checklist v2021)

**\*Type:** use pulldown menu to select gender/maturity. Default is ‘A’ (adult or gender unknown)

**\*Number Sighted:** enter bird count; must be  $\geq 1$

**\*Source:** enter the method of identification; by sight, by call or by both

**\*Breeding Code:** default is ‘O’ (observed). Use pulldown menu to select others

**Photo:** click if there is a photo (hyperlink to the photo may be added to the table in edit mode)

**Comment:** add text

**Number of Flora Rows:** add number of plants bird may be using as food source

**Flora ID:** use pulldown menu to select Flora from Flora table. Add food type (blossoms, fruit) in **Item**



### 1.3. View and Edit Tables

Data table may be viewed or edited. It may be useful to sort by date or bird ID.

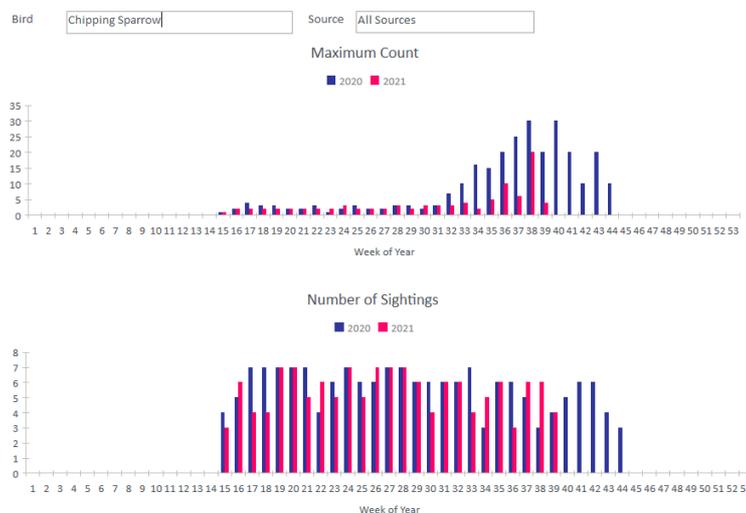


### 1.4. Queries

There are built-in queries to generate summaries and other useful information.

### 1.5. Charts

Charts are generated to show creature (bird/animal/insect) or all sightings during a year by week. The top chart shows the maximum count of a creature (or sum of all) during each week. The bottom chart shows the number of times each creature (or all species) was sighted in a week (maximum 7 per week.)



### 1.6. Wrong Bird Entries

This flags species names that do not match the reference list for HomeYard, Region, Country or World.

### 1.7. Lifelist and Yearly Lists

These are included in Country/World tab.

### 1.8. Cross-queries

There are cross-queries in Flora and Weather tabs that relate to HomeYard and Insect tabs.

In the Flora tab, a list of birds/insects favoring a Flora or a list of Flora favored by a selected bird/insect.

In the Weather tab, the number of bird sightings under different sky conditions and wind speeds are summarized.



## 1.9. Reference Tables

### A. Bird Species reference Tables

#### World: Clements checklist for all the bird species (*tbl04bwdfrefWorldBirds*)

There are reference tables for bird species derived from Clements Checklist v2021. This includes all the 10024 known bird species in the world. The reference table also contains the sort order based on evolution, English and scientific names of the species, distribution range, order, and family. This table is used in the data entry for the world

A small section of the World Reference Table is shown below:

sortv2021	category	Englishname	scientificname	range	order	family
1.0	species	Common Ostrich	Struthio camelus		Struthioniformes	Struthionidae (Ostriches)
6.0	species	Somali Ostrich	Struthio molybdophanes	S Ethiopia to Somalia and adjacent	Struthioniformes	Struthionidae (Ostriches)
8.0	species	Greater Rhea	Rhea americana		Rheiformes	Rheidae (Rheas)
14.0	species	Lesser Rhea	Rhea pennata		Rheiformes	Rheidae (Rheas)
19.0	species	Tawny-breasted Tinamou	Nothocercus julius	Andes of central Colombia and eastern	Tinamiformes	Tinamidae (Tinamous)
20.0	species	Highland Tinamou	Nothocercus bonapartei		Tinamiformes	Tinamidae (Tinamous)
27.0	species	Hooded Tinamou	Nothocercus nigrocapillus		Tinamiformes	Tinamidae (Tinamous)
30.0	species	Gray Tinamou	Tinamus tao		Tinamiformes	Tinamidae (Tinamous)
35.0	species	Solitary Tinamou	Tinamus solitarius	E Brazil to se Paraguay and extreme	Tinamiformes	Tinamidae (Tinamous)
36.0	species	Black Tinamou	Tinamus osgoodi		Tinamiformes	Tinamidae (Tinamous)
39.0	species	Great Tinamou	Tinamus major		Tinamiformes	Tinamidae (Tinamous)
52.0	species	White-throated Tinamou	Tinamus guttatus	SE Colombia and s Venezuela to	Tinamiformes	Tinamidae (Tinamous)
54.0	species	Cinereous Tinamou	Crypturellus cinereus	SE Colombia to Guianas, s Venezuela	Tinamiformes	Tinamidae (Tinamous)
55.0	species	Berlepsch's Tinamou	Crypturellus berlepschi	Tropical forests of nw Colombia to	Tinamiformes	Tinamidae (Tinamous)
56.0	species	Little Tinamou	Crypturellus soui		Tinamiformes	Tinamidae (Tinamous)

#### Bird species in a country (*tbl03bcyrefCountryBirds*)

Presently, this is a copy of the bird species in the world.

#### Bird species in Region and HomeYard:

A smaller reference table is used for Region and HomeYard. This is derived from a checklist Dutchess County, New York, USA. Users may replace it with their local checklist. It includes species name, family, resident term and abbreviated code (from *tbl00refBirdCode*) for the species. The *Resident Term* indicates the period in which the species is likely to be observed.

**A:** All-year resident

**S:** Summer resident

**P:** Passing through in migration

**W:** Winter resident

A small section of the Region/HomeYard checklist is shown below:

Bird	Family	ResidentTerm	Code
Alder Flycatcher	Tyrant Flycatchers	S	ALFL
American Bittern	Bitterns Herons	S	AMBI
American Black Duck	Swan Geese Duck	A	ABDU
American Coot	Rails Gallinules Coots	W	AMCO
American Crow	Jays Crows	A	AMCR
American Golden-Plover	Plovers	P	AMGP
American Goldfinch	Finches	A	AMGO
American Kestrel	Falcons	A	AMKE
American Pipit	Pipits	W	AMPI
American Redstart	Wood Warblers	S	AMRE
American Robin	Thrushes	A	AMRO

### B. Country/States Reference Table (*tbl03bcyrefStates*)

This table contains the names of States in the Country of residence. The default table is for USA. Users may populate this for a different country.



A small section of the Country/States table for USA is shown below:

Code	state
AK	Alaska
AL	Alabama
AR	Arkansas
AZ	Arizona
CA	California
CO	Colorado
CT	Connecticut
DE	Delaware