## Firefly Field Guide

### Identify fireflies around Athens, GA!



### **Big Dipper Firefly** Photinus pyralis

- Yellow-green flashes of light
- J-shaped flight path
- Quarter-sized body length

### Flash pattern:





### Candle Firefly

Pyractomena angulata

- Orange flashes of light
- High flier
- Quarter-sized body length

### **Flash pattern:**







### Blue Ghost

Phausis reticulata

- Blue-green glowing light
- Flies low to the ground in dark woods
- Grain of rice-sized body length

### **Flash pattern:**



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### **Black Firefly** Lucidota atra

- No light organ or light signals
- Flies during the day; can be found on blades of grass
- Quarter-sized body length

### Flash pattern: None!

ugs: identification and natural history of the fireflies of the eastern and central United States and Canada. University of



### Twilight Bush Baby Photinus australis

- Yellow-orange, short flashes of light
- Flies low to the ground
- Dime-sized body length

### Flash pattern:



Photuris species

(a group of fireflies)

Green flashes of light



**Snappy Single Syncs:** 



Fireflie Every type of firefly comes out at a specific time! firefly species has a sea nreny species nas a seusoni Some con only be found for Some can only be tound for a tew weeks in the springi others stay out all su Ďay Twilight Stay with your adults or let them know where you're going! Wear long pants, sleeves and close-toed

- shoes if not on pavement Bring lights! Red is preferred. Turn off near
- fireflies. Wear bug spray (try to avoid hands if





By woods, leaf litter

Warm temperature (but not too dry!)





In meadows, Near water shrubs

<1 second interval **Flashbulb Fireflies:** 



\* Observe Fireflies!

1. Use your net, hands, or a Mason jar to catch fireflies

2. Hold firefly gently in your hand (can use a magnifying glass!) 3. Can keep firefly in a jar while observing, & release all fireflies where you found them!

### Look out for:





**Big Dipper Firefly** *Photinus pyralis* 

Spring Treetop Flasher Pyractomena borealis

Notice how the **head shield shape** and **pattern** differs. The Big Dipper Firefly has a *long, narrow body* that ends in a *pointed tip* compared to the Spring Treetop Flasher.

These fireflies look like twins,

but they are different species!

Antennas Shape, thickness

> Scutellum Triangular; differs in color and shape

Head Shield Shape, color (brown to pink), and pattern (of black spot)

> Wing Cover Shape, color (ranges from black to gray), presence of white border



Female fireflies have **one** light organ segment, males have **two**!

find than males, who display while flying through the air.

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