

Yucca Giant-Skipper Butterfly, *Megathymus yuccae* (Boisduval & Leconte) (Insecta: Lepidoptera: Hesperiidae) ¹

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Introduction

As its name implies, the yucca giant-skipper, *Megathymus yuccae* (Boisduval & Leconte), is a large and robust-bodied butterfly. It may be encountered in a variety of habitats that support yucca including coastal areas, dunes, scrubs, sandhills, pine flatwoods, old fields, and utility corridors.

Distribution

The yucca giant-skipper is a resident across southern portions of the United States from North Carolina to California and south to northern Mexico. In Florida, it can be found throughout the northern two thirds of the state. Despite its broad geographic distribution, the yucca giant-skipper is quite local and uncommon. Adults are seldom encountered in numbers.

Description

Adult: The yucca giant-skipper is a medium-sized butterfly with a stout, robust body. Adults have a wingspan range of 50 to 75 mm. The sexes are similar although females are generally larger than males and have wider, more rounded forewings. The wings above are dark brown. The forewings are elongated with a variable yellow outer band. The hindwings in males have a single yellow marginal border. Females have an additional yellow spot band across the outer portion of each hindwing. The hindwings below are dark blackish-brown with violet-white frosting and a prominent triangular white spot along the leading margin.

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1. This document is EENY-427, one of a series of Featured Creatures from the Entomology and Nematology Department, Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida. Published: February 2009. This document is also available on Featured Creatures Website at <http://creatures.ifas.ufl.edu>. Please visit the EDIS Website at <http://edis.ifas.ufl.edu>. Additional information on these organisms, including many color photographs, is available at the Entomology and Nematology Department website at <http://entnemdept.ifas.ufl.edu/>.
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Figure 1. Dorsal view of an adult yucca giant-skipper, *Megathymus yuccae* (Boisduval & Leconte). Credits: Jaret C. Daniels, University of Florida



Figure 2. Ventral view of an adult yucca giant-skipper, *Megathymus yuccae* (Boisduval & Leconte). Credits: Jaret C. Daniels, University of Florida



Figure 3. Egg of the yucca giant-skipper, *Megathymus yuccae* (Boisduval & Leconte), on Adam's needle, *Yucca filamentosa* L. (Agavaceae).

Life Cycle

The yucca giant-skipper produces one generation each year from February to May depending on location. Adults have a fast, powerful flight and can

literally be heard whizzing past. Males perch on low vegetation or on the ground near patches of the larval host to await passing females. Adult yucca giant-skipper do not visit flowers, and it is unknown if they occasionally utilize other food resources.

The young larvae feed on host leaves and construct small individual silken shelters. Older larvae bore into the plant crown and feed within the root, constructing a prominent silken tent or chimney at the opening of the burrow. Relatively little is known about the yucca giant-skipper's behavior, population biology or exact habitat requirements.



Figure 4. Tent constructed by a larva of the yucca giant-skipper, *Megathymus yuccae* (Boisduval & Leconte), on Adam's needle, *Yucca filamentosa* L. (Agavaceae). Credits: Jaret C. Daniels, University of Florida

Hosts

Females lay the large amber-brown eggs singly on leaves of Adam's needle, *Yucca filamentosa* L. (Agavaceae), and moundlily yucca, *Yucca gloriosa* L. Other yucca species may also be utilized.

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Figure 5. Adam's needle, *Yucca filamentosa* L.(Agavaceae), a host plant of the yucca giant-skipper, *Megathymus yuccae* (Boisduval & Leconte). Credits: Jaret C. Daniels, University of Florida

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