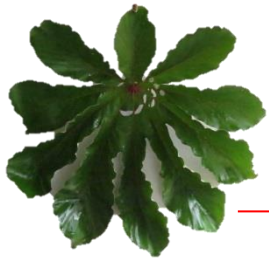


Defesas físicas em plantas mirmecófitas jovens e adultas

Daniela Maggio, Leticia Zimback, Paula Giroldo &
Vitor Oliveira
Orientador: Danilo Muniz

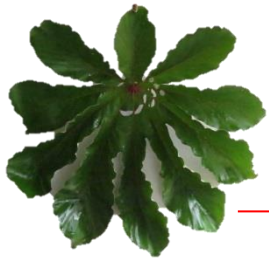


Mutualismo

Introdução

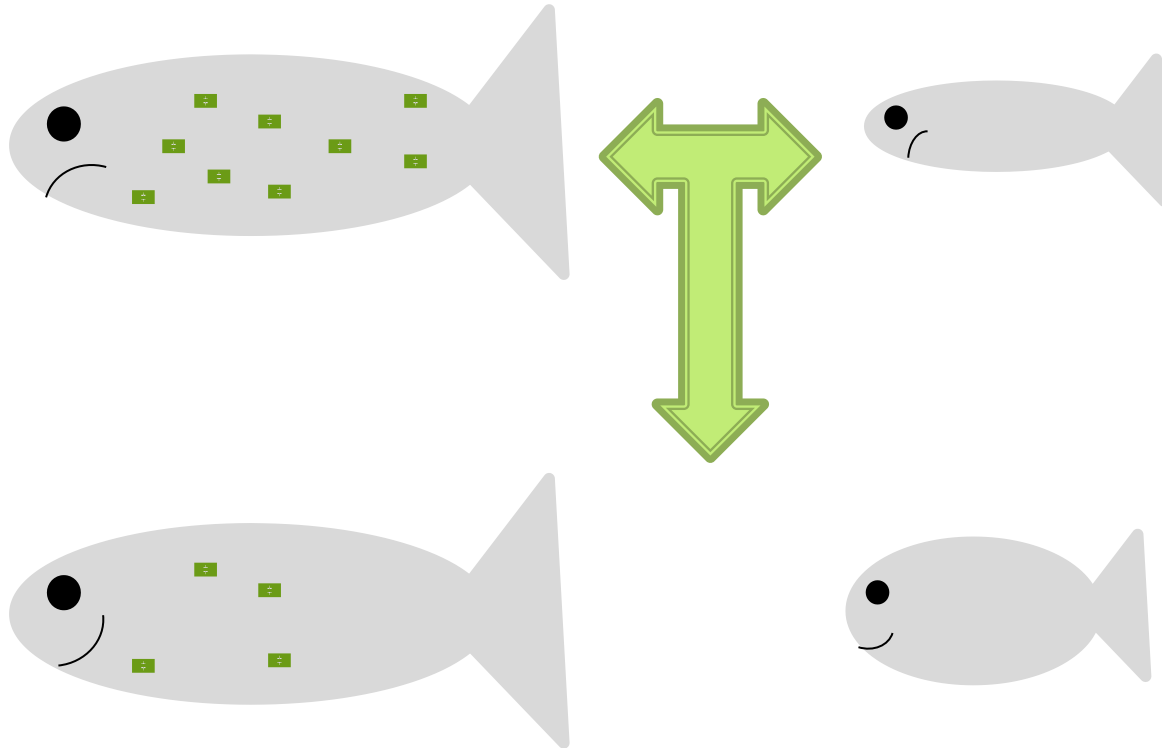


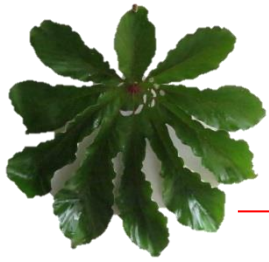
Fotos: Rafael Henrique



Mutualismo

Introdução





Defesa das plantas

▶ Químicas

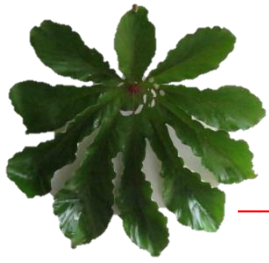


Comigo ninguém pode

Introdução



Urtigão



Defesa das plantas

► Físicas

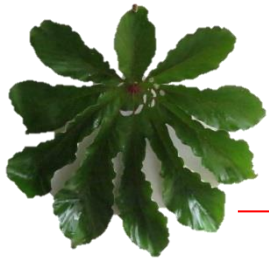


Banco de sogra



Babosa

Introdução

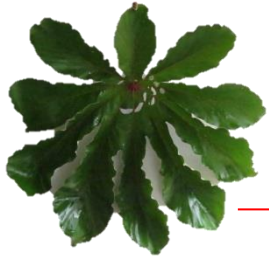


Inseto-planta

Introdução



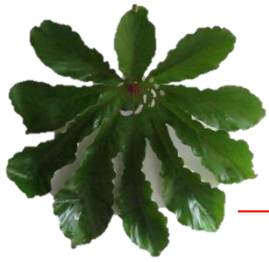
Fotos: Kondrat, H.
2012.



Hipótese

Objetivo

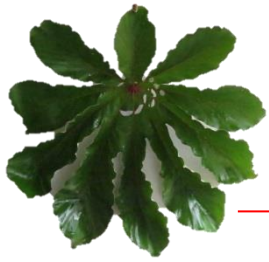
- ▶ Verificar qual a relação entre defesas físicas em indivíduos jovens e adultos de *Cecropia pachystachya* e a presença de formigas.



Hipótese 1

Objetivo

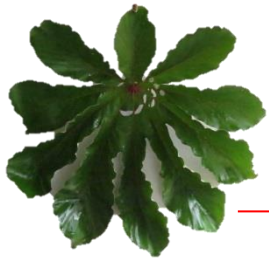
- ▶ Dado que:
 - *Azteca* sp. protege *C. pachystachya*
- ▶ Considerando que:
 - plantas sem formigas estão mais suscetíveis à herbivoria
- indivíduos sem formigas terão mais defesas físicas



Hipótese 2

Objetivo

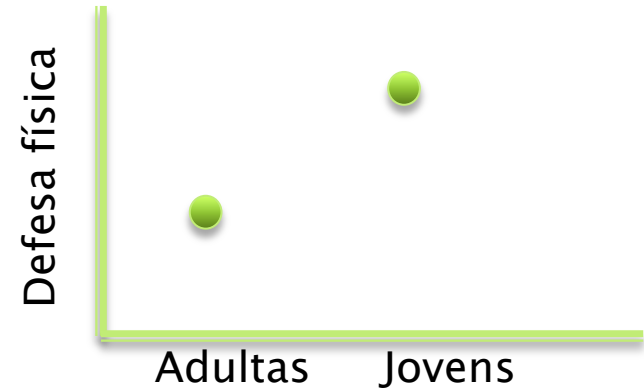
- ▶ Dado que:
 - existem estruturas de *C. pachystachya* que fornecem alimento e abrigo para as *Azteca* sp
- ▶ Considerando que:
 - indivíduos jovens ainda não desenvolveram estas estruturas
- indivíduos jovens possuem mais mecanismos de defesa físicos do que indivíduos adultos



Hipóteses

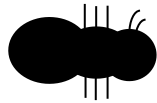


Objetivo

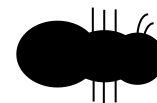


Metodologia

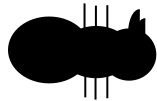
Jovem



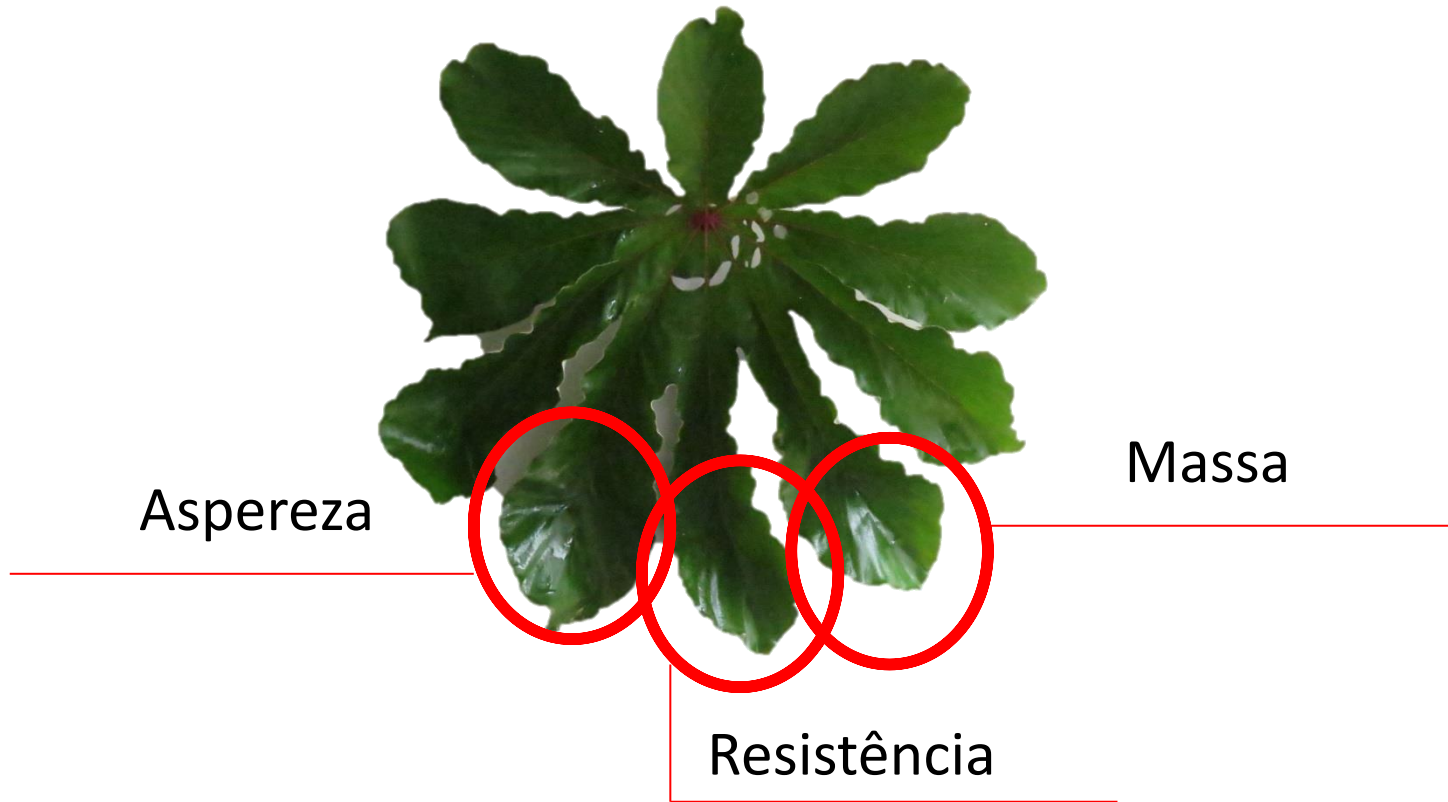
Adulto



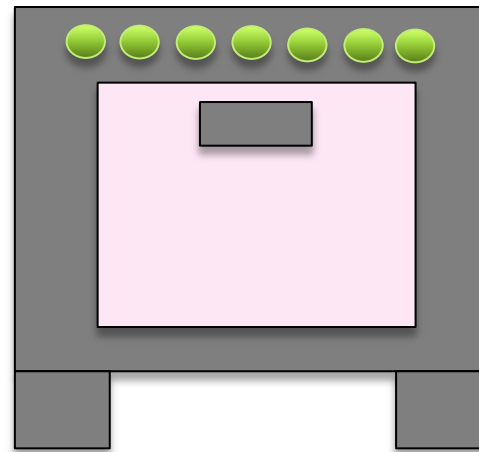
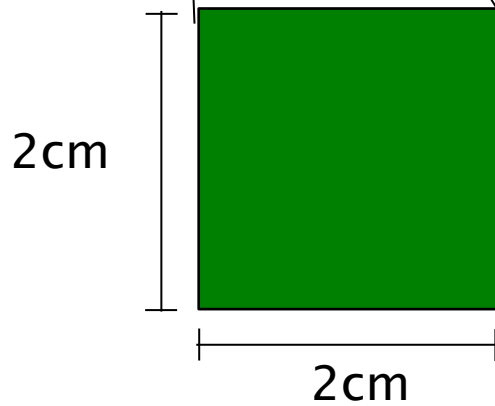
Metodologia



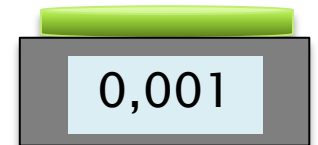
Metodologia



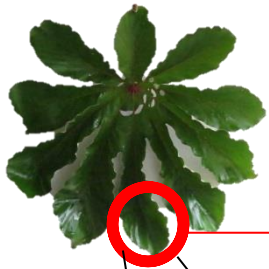
Metodologia



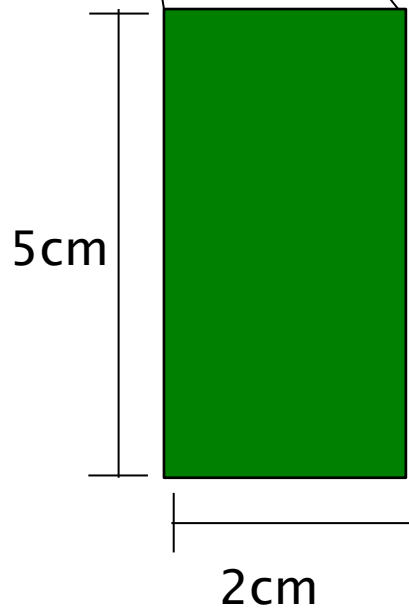
20 minutos



Metodologia



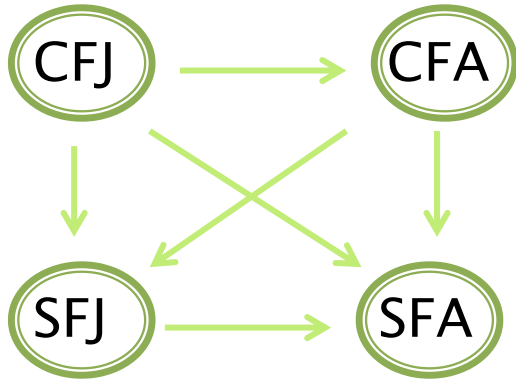
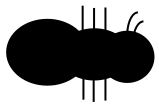
Resistência



Rasgância = 1,7 L



Aspereza

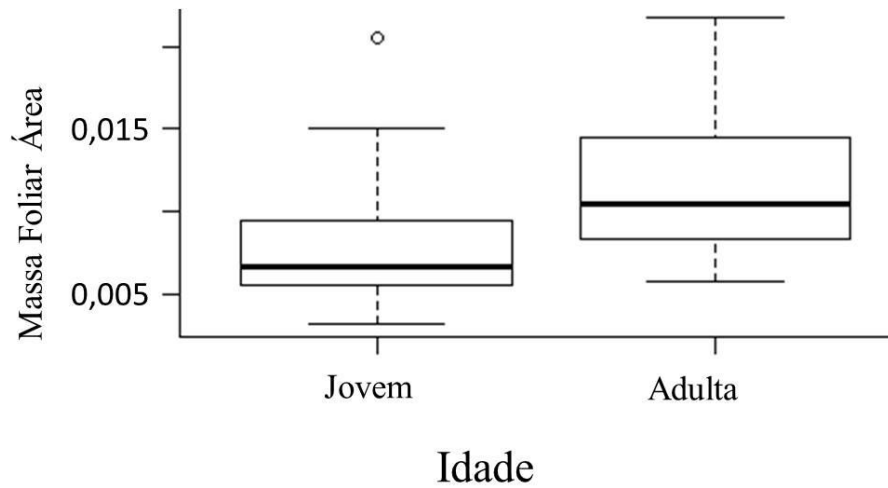


Metodologia

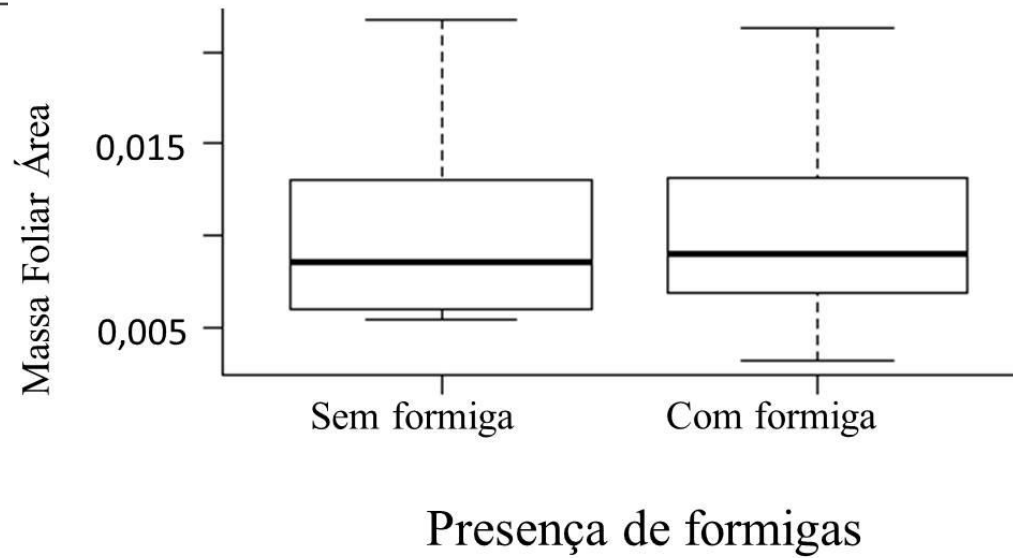


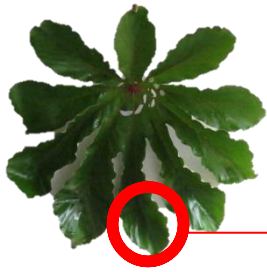


Massa

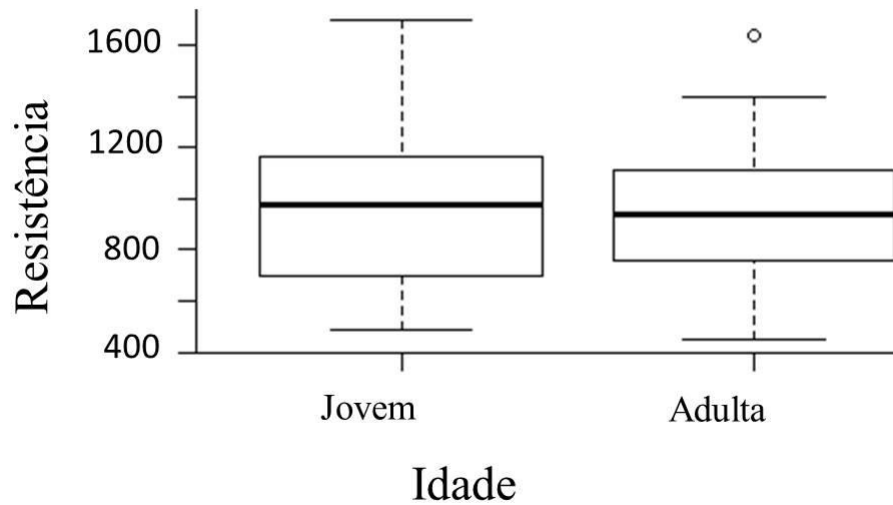


Resultados

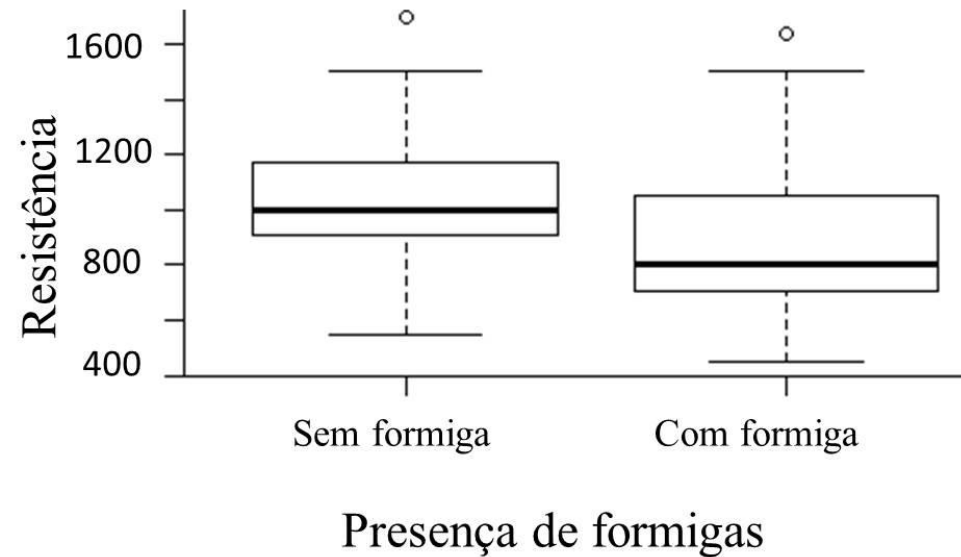




Resistência

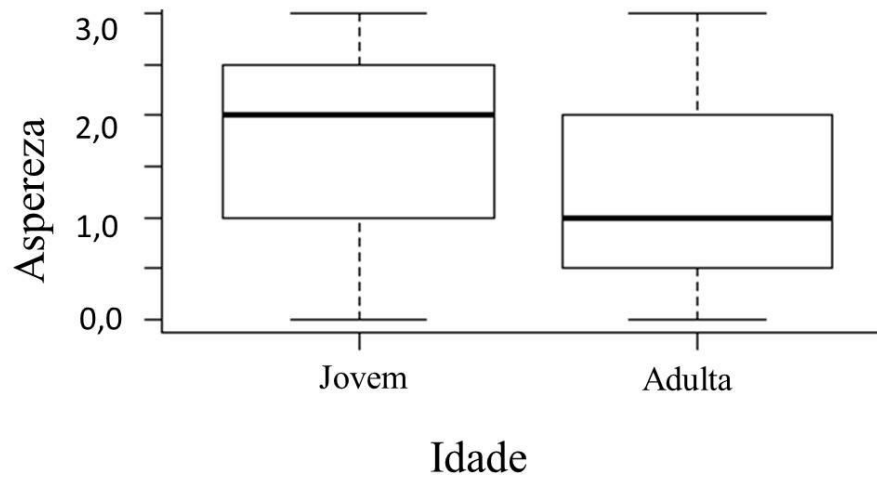


Resultados

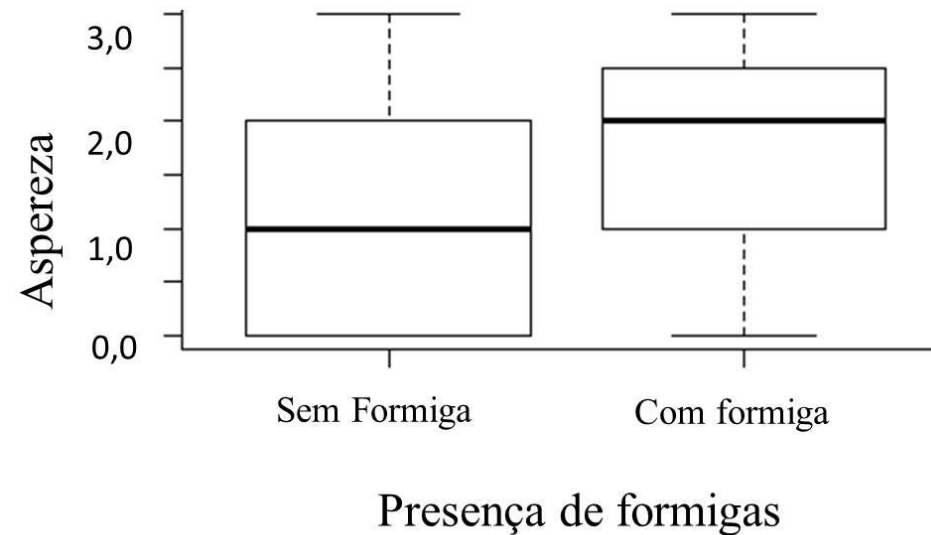


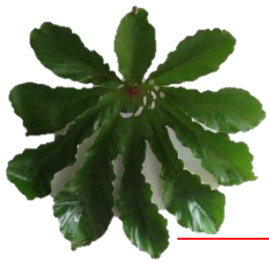


Aspereza



Resultados

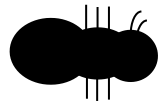




Herbivoria

Resultados

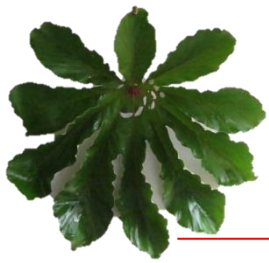
Jovem



73% herbivoria



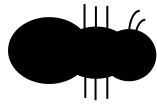
44% herbivoria



Herbivoria

Resultados

Adulto



76,5% herbivoria



100% herbivoria

Discussão

Hin ~~X~~ ese

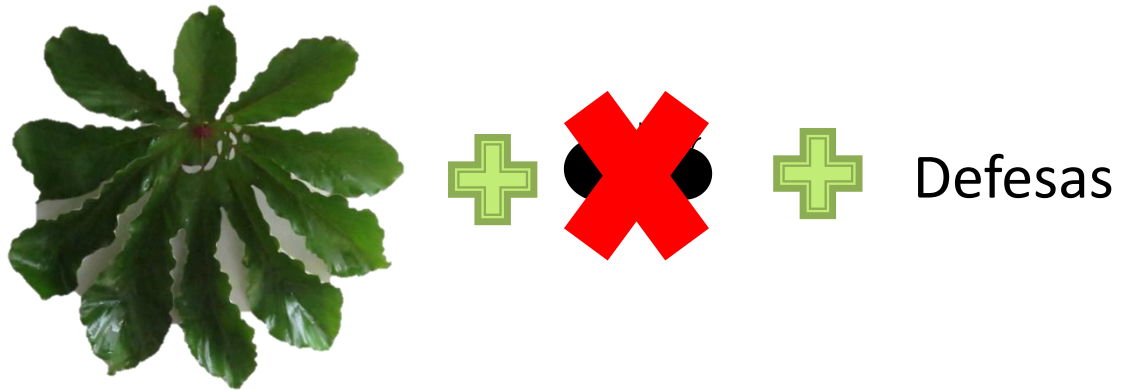
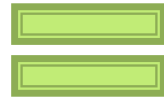
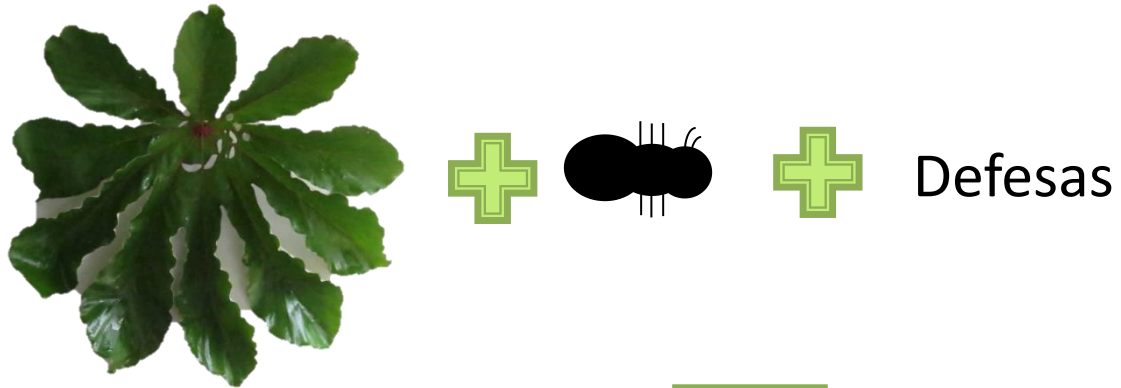


Adulto



Jovem

Discussão



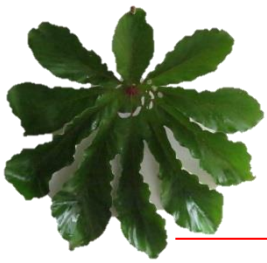
Discussão



Jovem



Herbivoria



Outros trabalhos

Discussão

- ▶ *Talipariti pernambucense*

- ▶ Folhas velhas mais resistentes

Rego, 2013

- ▶ *Hibiscus pernambucensis*

- Resistência + herbivoria não estão relacionadas com luminosidade

Nishimura, 2009

- ▶ *Sugestão*

- ▶ Avaliar a taxa de herbivoria

Conclusão

- ▶ Defesas físicas em estão presentes em todo o ciclo de vida da planta na presença ou ausência de formigas mutualísticas

Agradecimentos

