23 a 28
de setembro
2018

No Hotel Fazenda
Fonte Colina Verde
São Pedro/SP

SINAPE 2018

Página Inicial » Inscrições Científicas » Trabalhos

Dados do Trabalho

Título

MODELO DE COX COM PREDITORES QUALITATIVOS PARA ANALISE DE PADROES TEMPORAIS DE MUDANÇA DE FASE EM INSETOS

Resumo

Larval stage duration (LSTD), the time interval (t) between egg eclosion and onset of pupal stage, is a key variable in entomological studies for evaluating treatment effects on insect development. This variable is a component of population growth rate in demographic studies, which are important to evaluate suitability of diets, chronical and sub lethal effects of pesticides or growth inhibitors on insect species. LSTD observations, measured in days, are referred to as 'censored' whenever the insect die before reaching pupal stage. In this work, we fit Cox model with qualitative predictors to evaluate the influence of host species (cowpea, soybean and weeds) on the time pattern of the onset of pupal stage of Chrysodeixis includens, represented by the cumulative distribution function of LSTD ($F[t]=1- P[T>t]$). C. includens is an important pest of cowpea, soybean, cotton and sunflower crops but also can survive in some weeds. We performed an exploratory LSTD analysis by fitting $F[t]$ via Kaplan-Meier method and comparing the $F[t]$ among treatments (species) by the Log-Rank test with Sidàk adjustment for multiple comparisons. Evidence of host plat effect on time pattern of pupal onset were quantified using a priori comparisons among $F[t]$ performed via contrasts among Cox model parameters. Analysis were performed using LIFETEST and PHREG Procedures of the statistical software SAS/STAT®. The proposed methods allowed inferring that the host species cowpea contributes to greater larvae precocity when compared to the remaining species evaluated

Palavras-chave

Survival analysis, Cox model, larval development, insect life cycle

Área

Estatística Aplicada em Agronomia e Biologia

Autores

ALINE HOLANDA NUNES MAIA, KATIA KAELLY ANDRADE SOUSA, RANYSE BARBOSA QUERINO, RAFAEL VIVIAN

FECHAR

⬆ (JAVASCRIPT:VOID(0))

Organização

ABE
Associação Brasileira de Estatística

ELOEVENTOS
CIENTÍFICOS | EMPRESARIAIS | CORPORATIVOS

Apoio

CAPES

FAPESP
FUNDAÇÃO DE AMPARO À PESQUISA
DO ESTADO DE SÃO PAULO

Patrocínio

Tecnologia para eventos
inteligência
(http://www.inteligenciaweb.com.br)

Formas de pagamento

Segurança

Google
Safe Browsing
(https://www.google.com/safebrowsing
/diagnostic?site=iweventos.com.br)