

Response of *Lygus lineolaris* to Sulfoxaflor and Neonicotinoids in Laboratory Assays



Don Cook, Gordon Snodgrass, and Jeff Gore

Tarnished Plant Bug

Lygus lineolaris (Palisot de Beauvois)

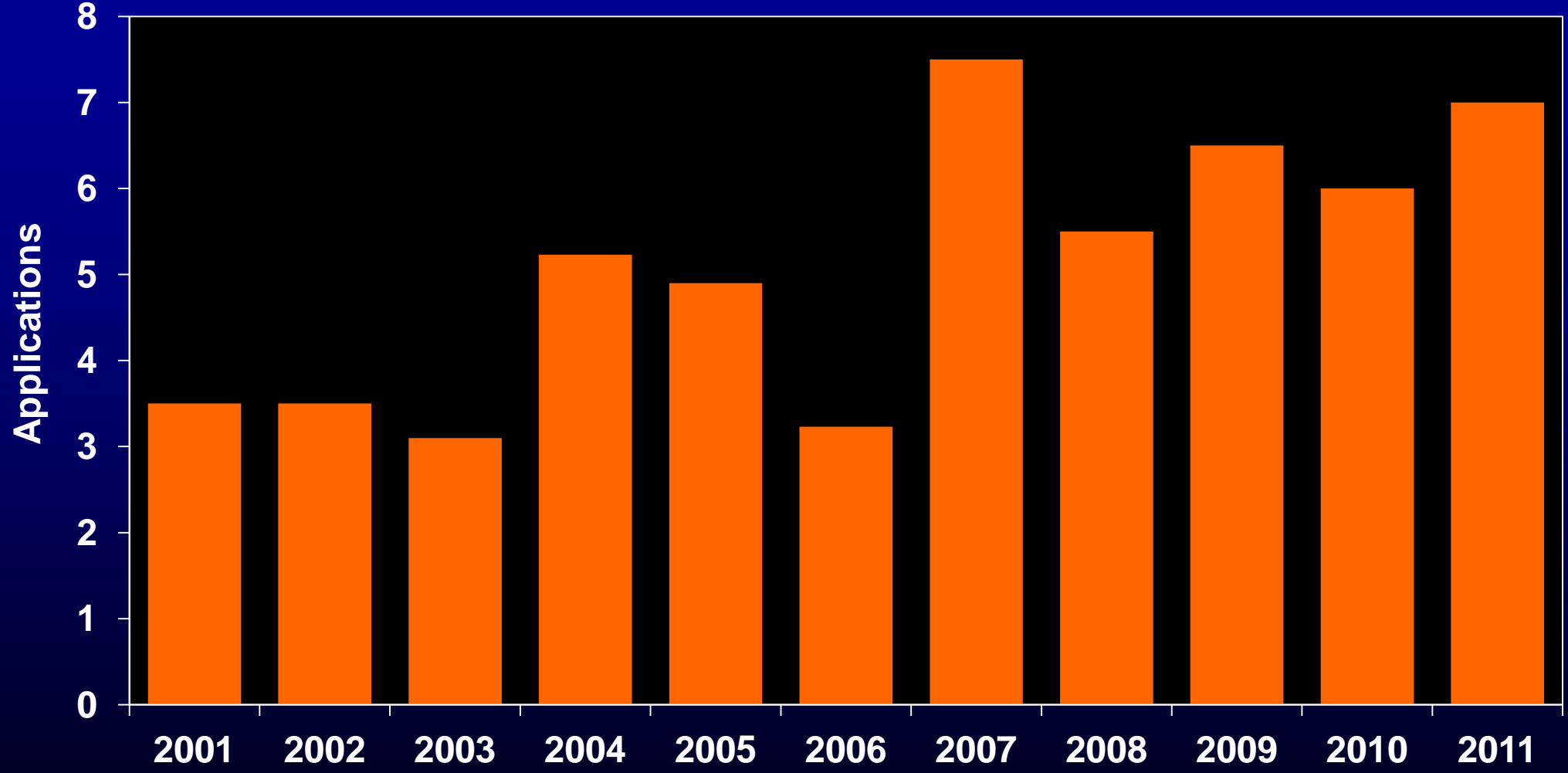


Adult

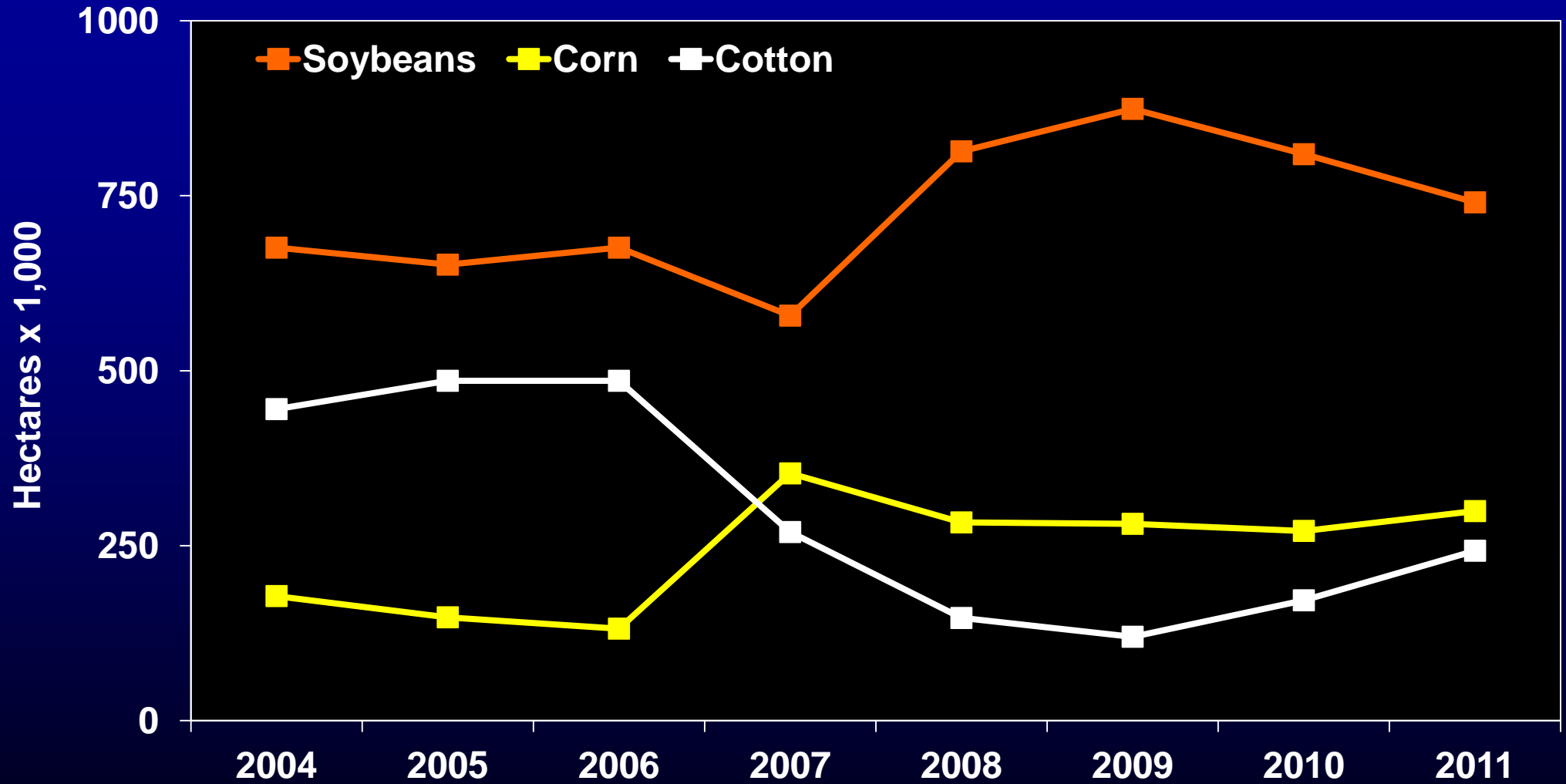


Nymph

Insecticide Applications for *Lygus* in MS Delta



Mississippi Crop Production



Recommended Insecticides for *Lygus*

Neonicotinoids

thiamethoxam

imidacloprid

clothianidin

acetamiprid

Pyridine Carboxamide

flonicamid

Organophosphates

dicrotophos

acephate

malathion ULV

Carbamates

oxamyl

Benzylphenolurea (IGR)

novaluron

Resistance/Tolerance in *Lygus*

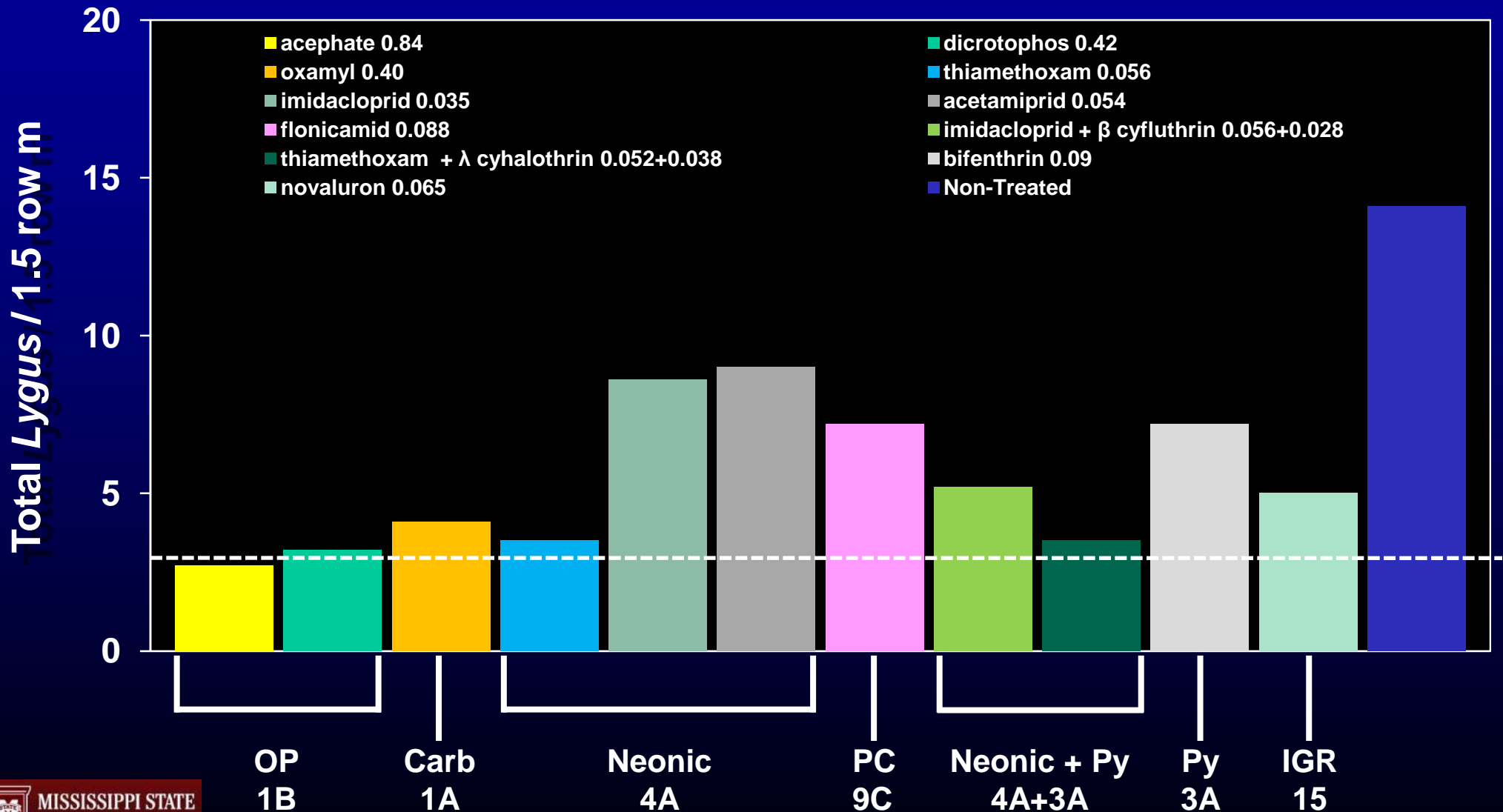
Organophosphates

Carbamates

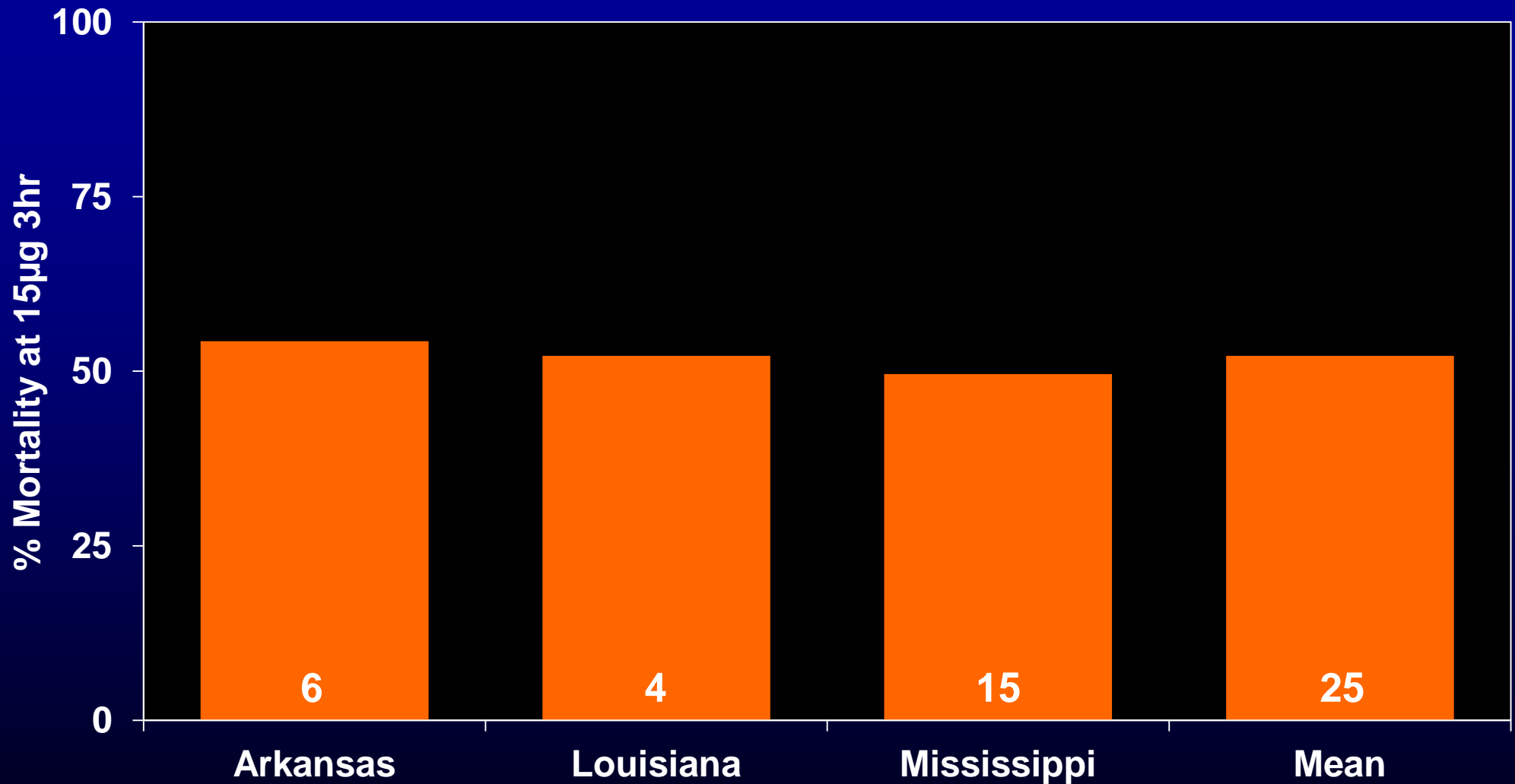
Cyclodienes

Pyrethroids

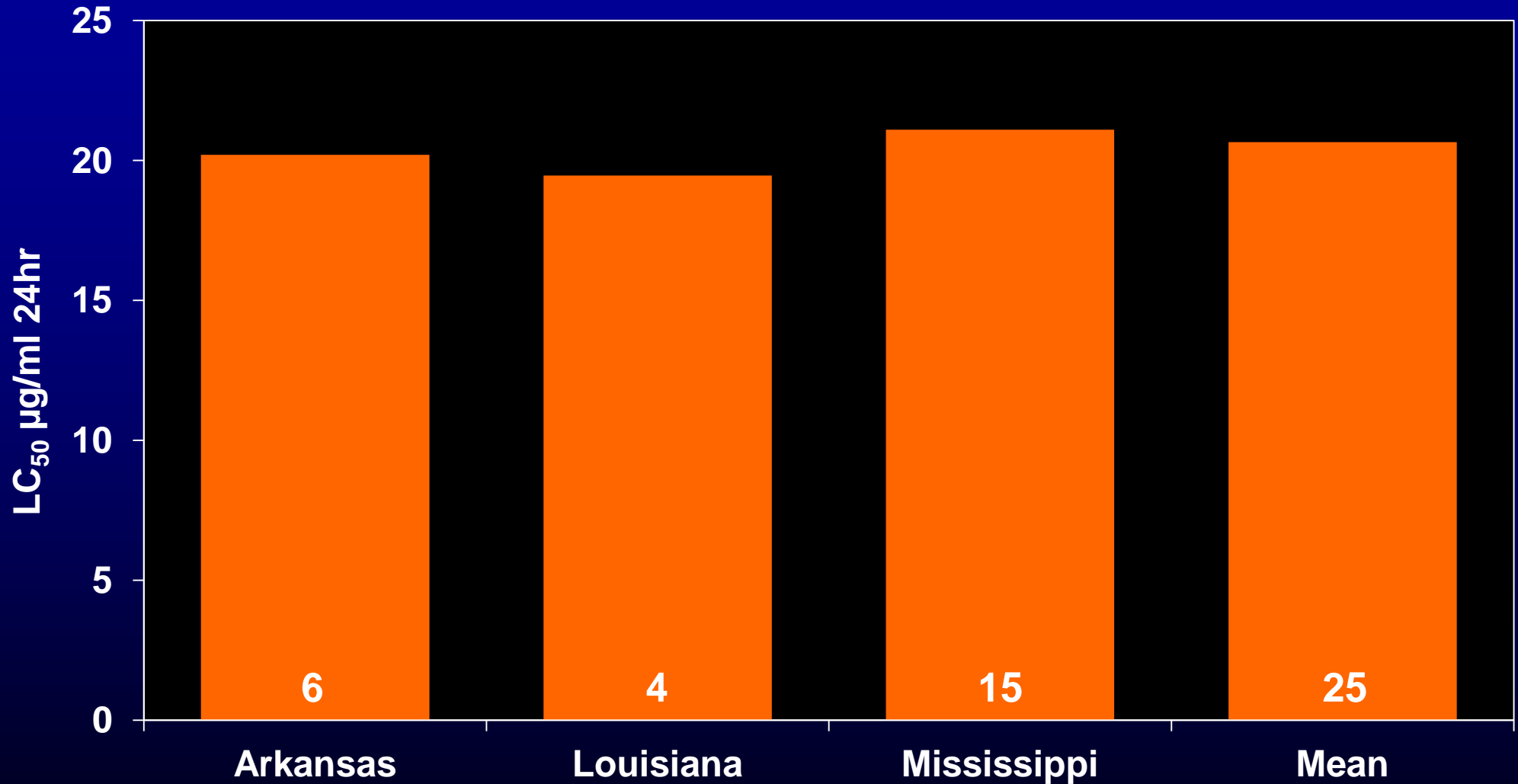
Efficacy of Selected Insecticides Against *Lygus*



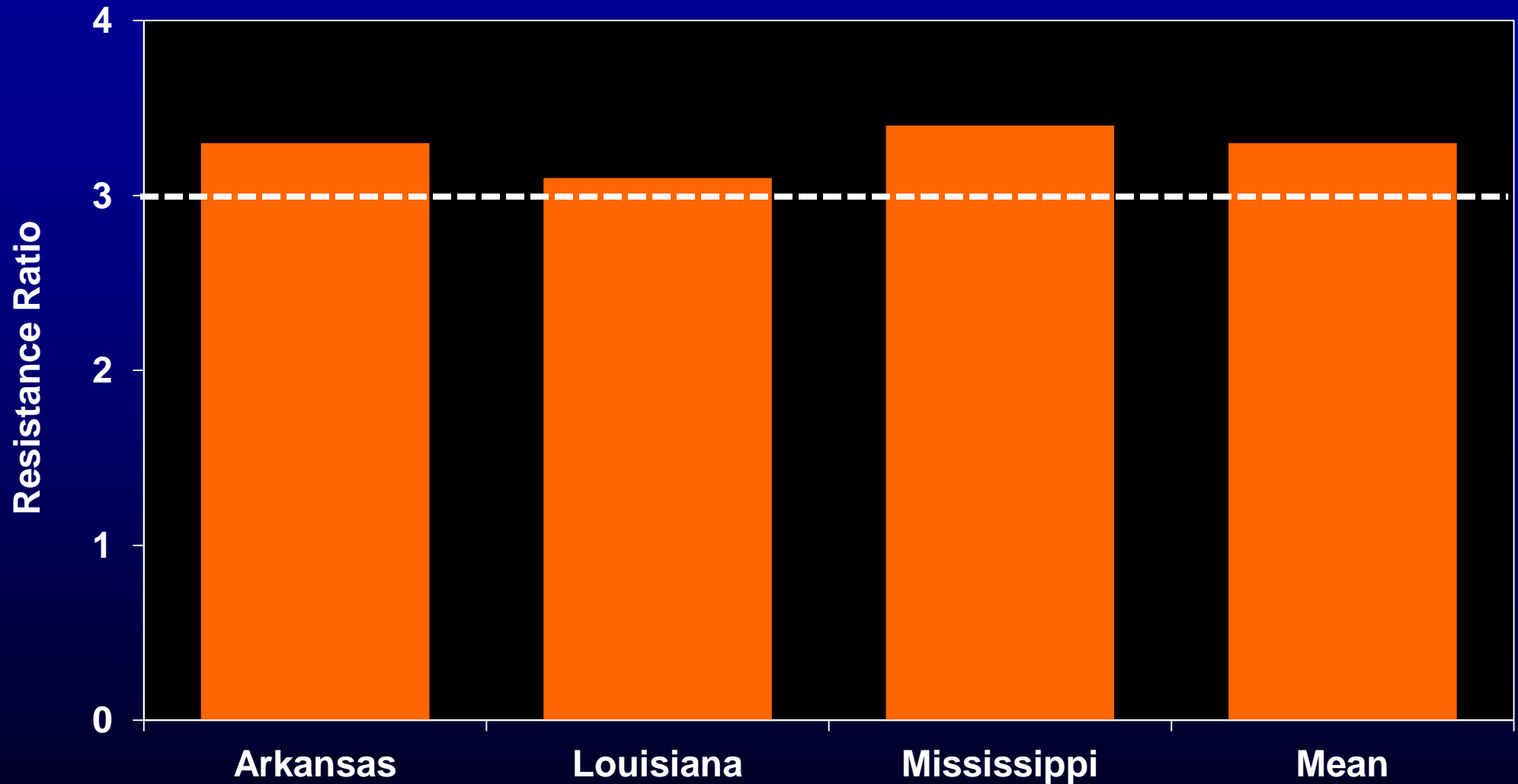
Lygus Assays with Permethrin



Lygus Assays with Acephate

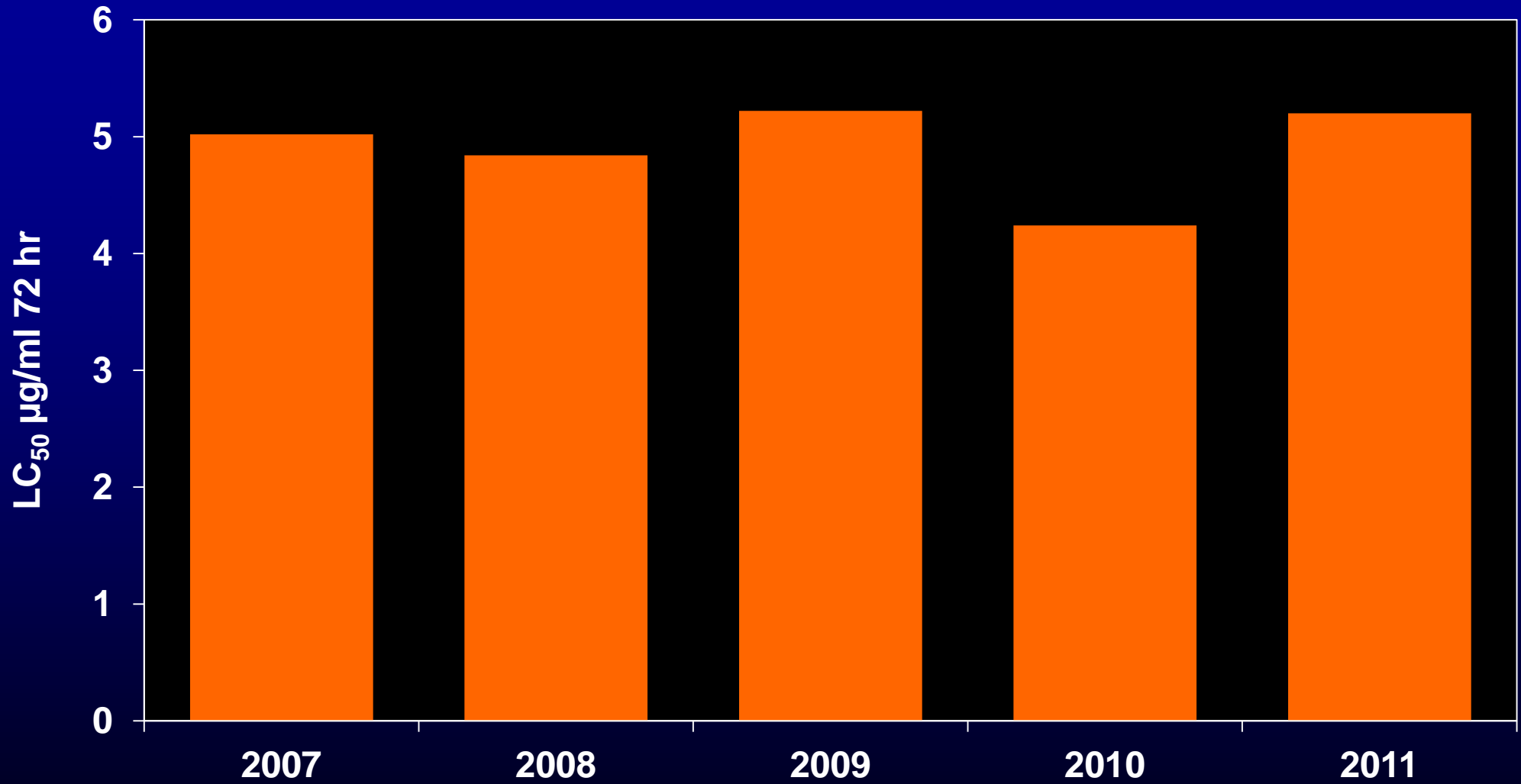


Lygus Assays with Acephate

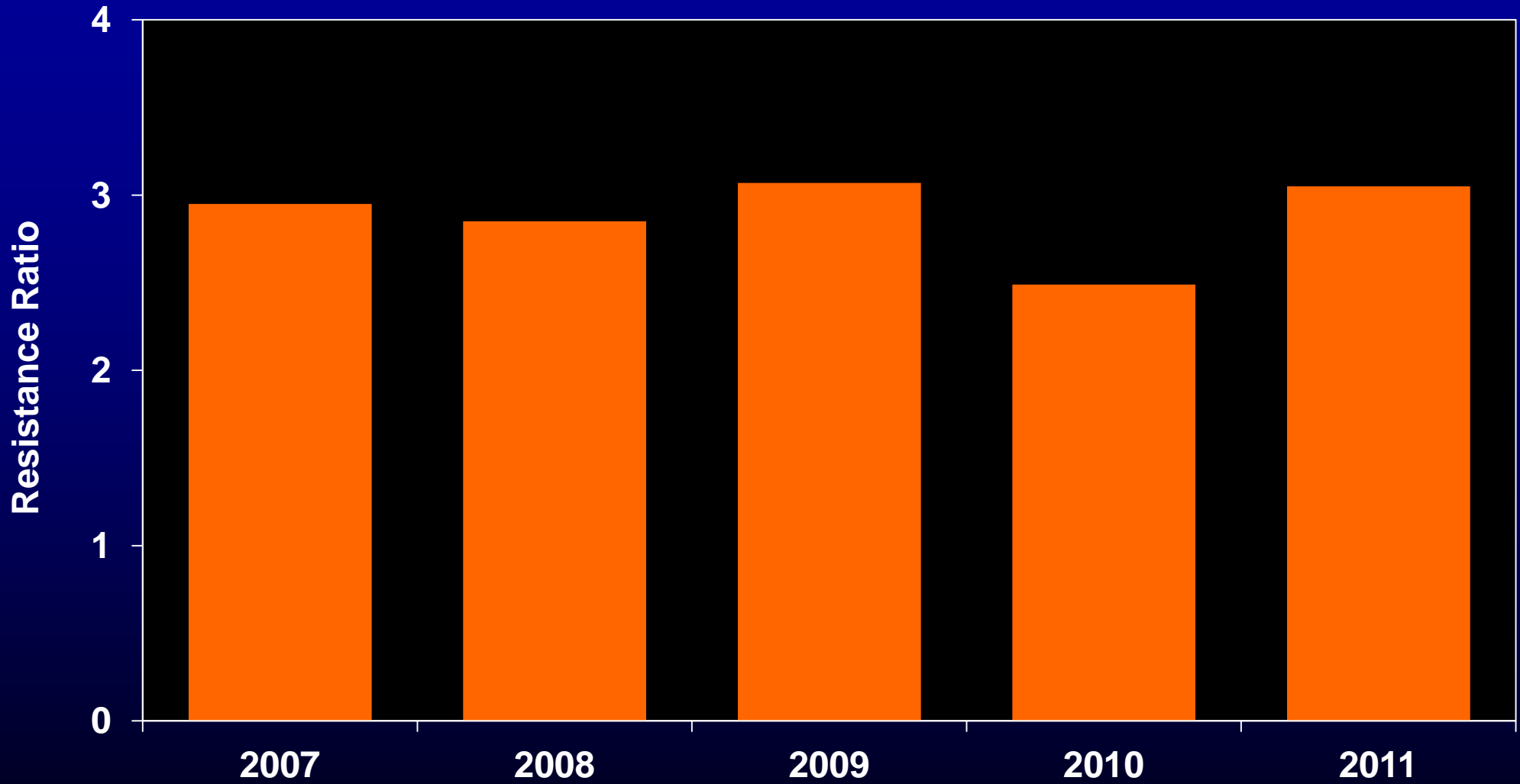




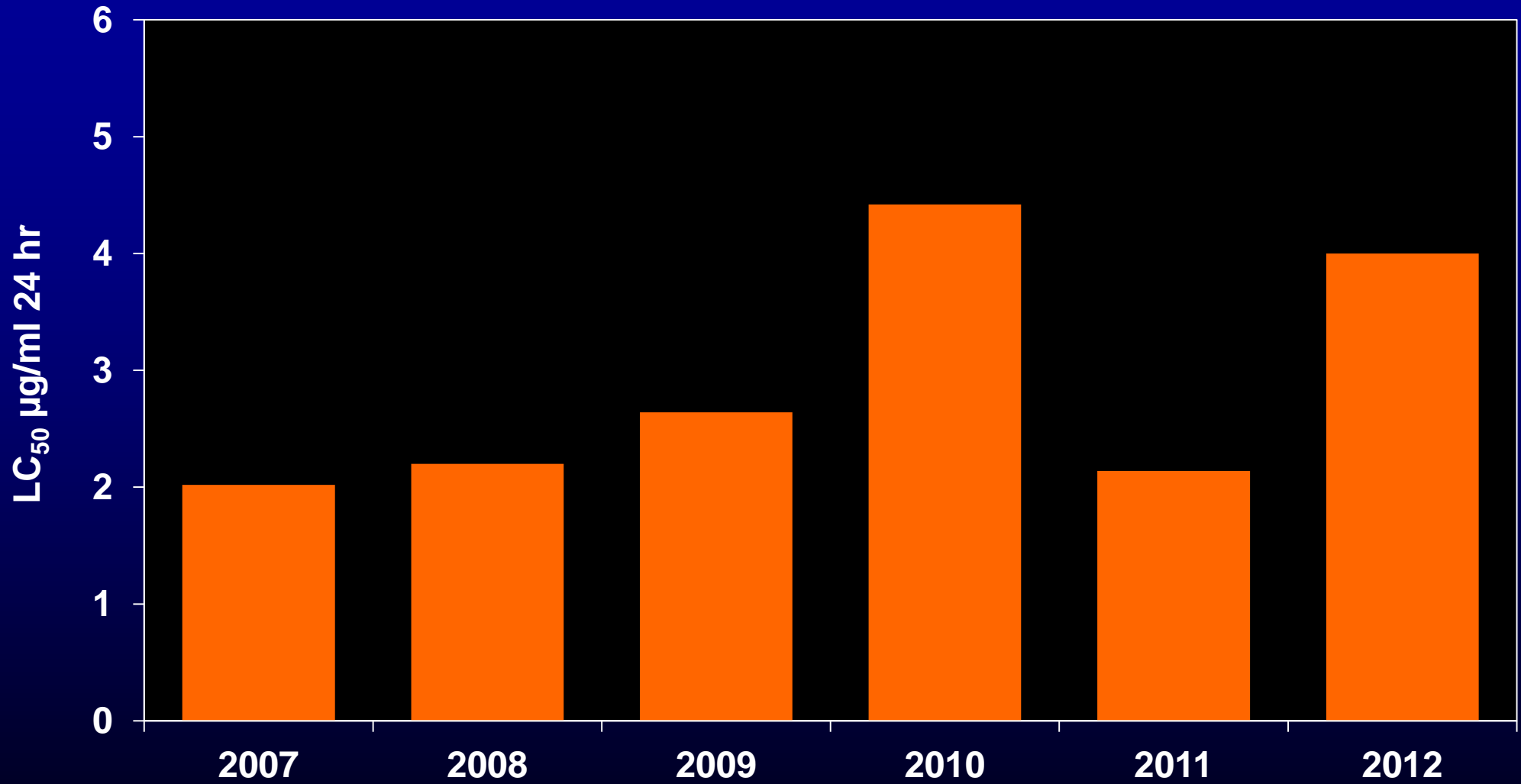
Lygus Assays with Imidacloprid



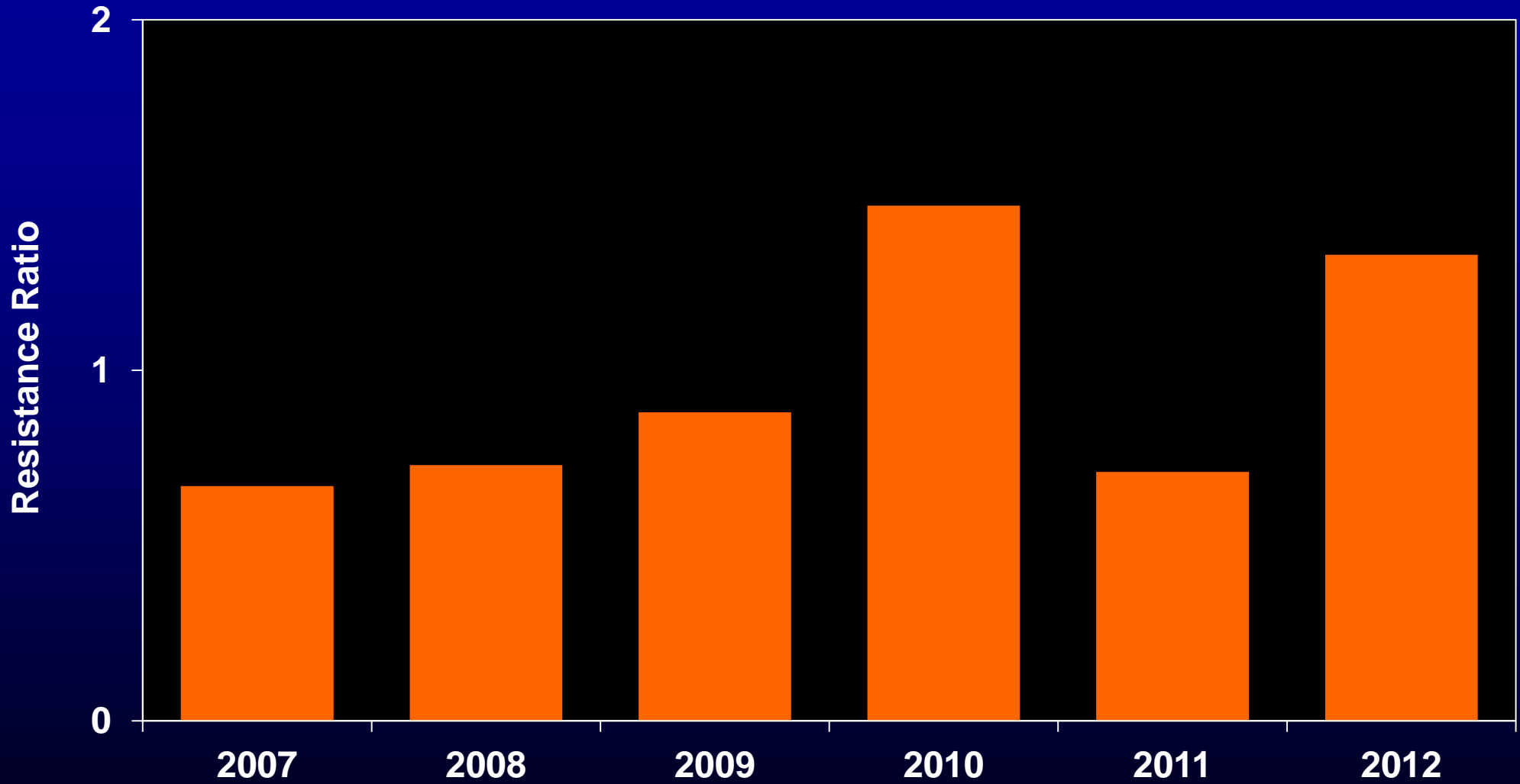
Lygus Assays with Imidacloprid



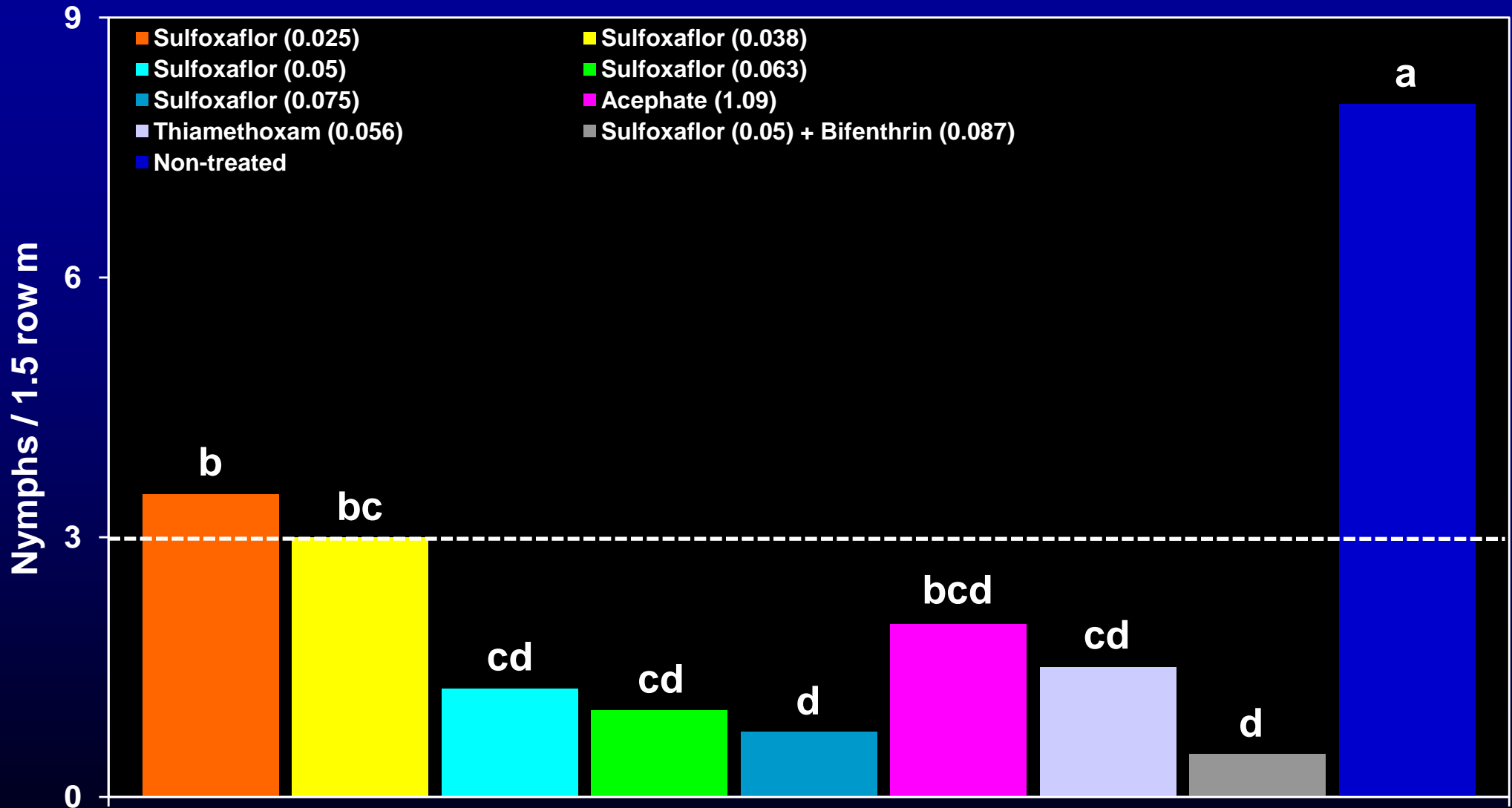
Lygus Assays with Thiamethoxam



Lygus Assays with Thiamethoxam

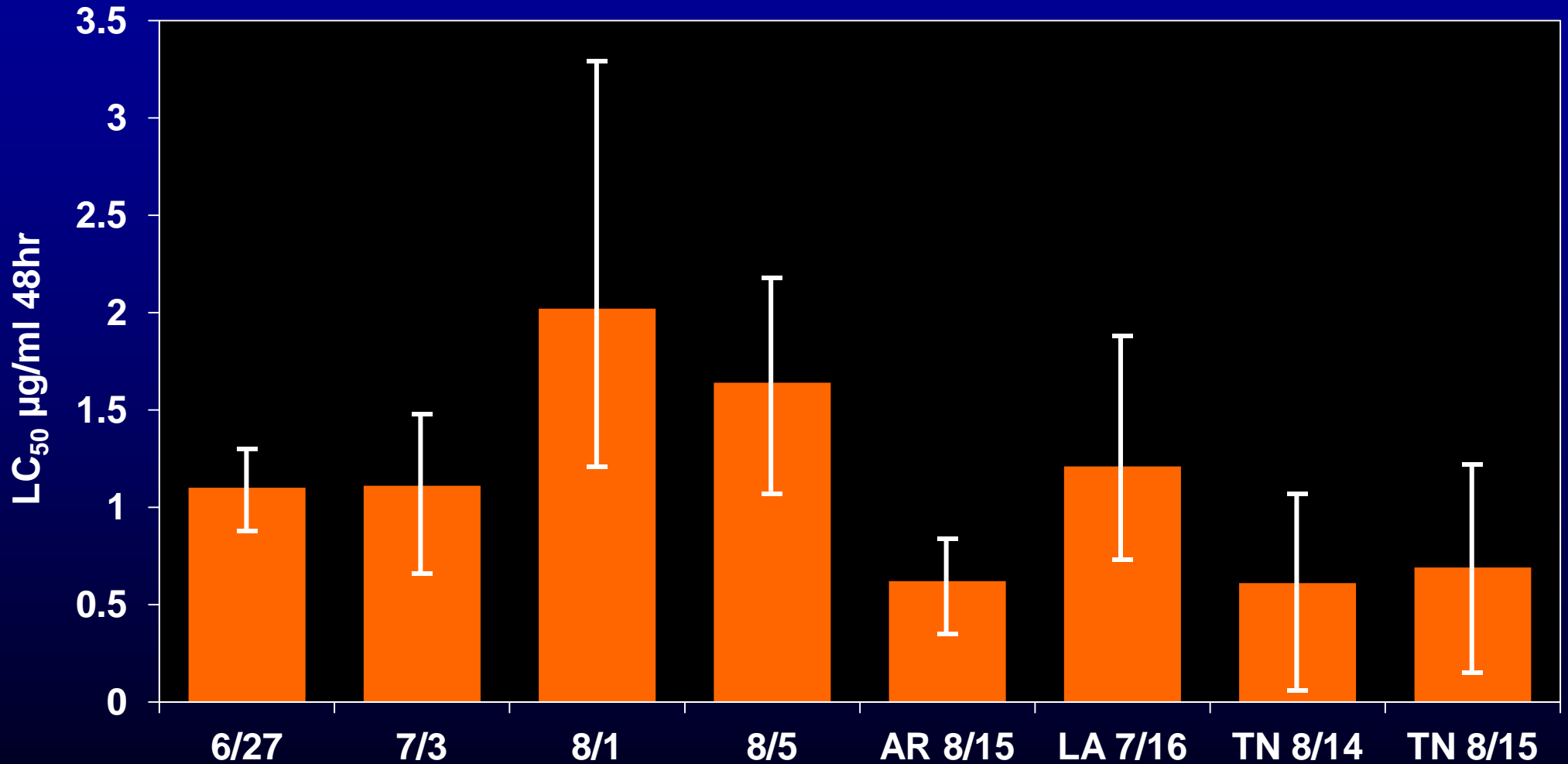


Efficacy of Sulfoxaflor Against *Lygus*

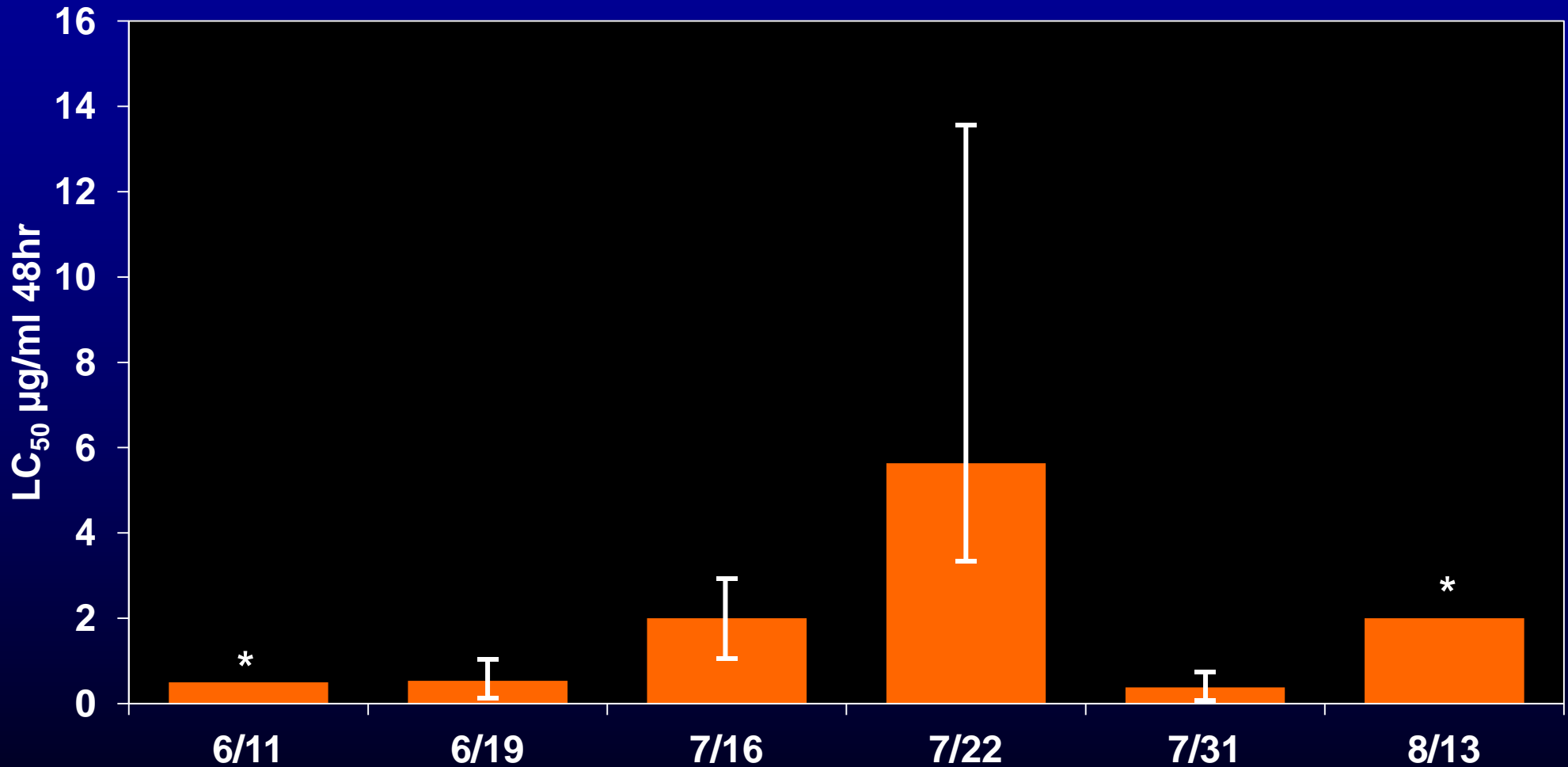


Lygus Assays with Sulfoxaflor

2010

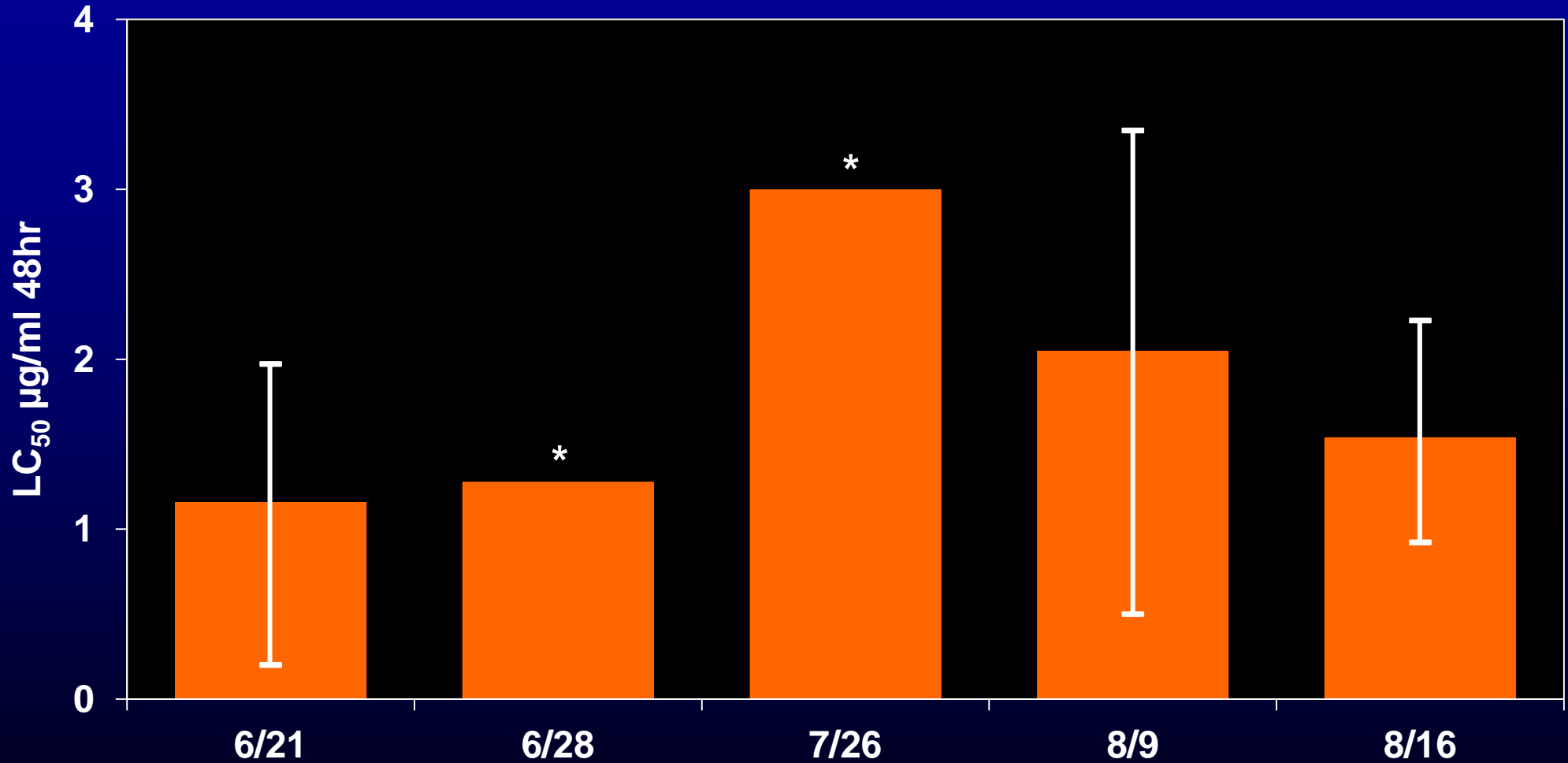


Lygus Assays with Sulfoxaflor 2011



*= estimated value, data did not fit probit model.

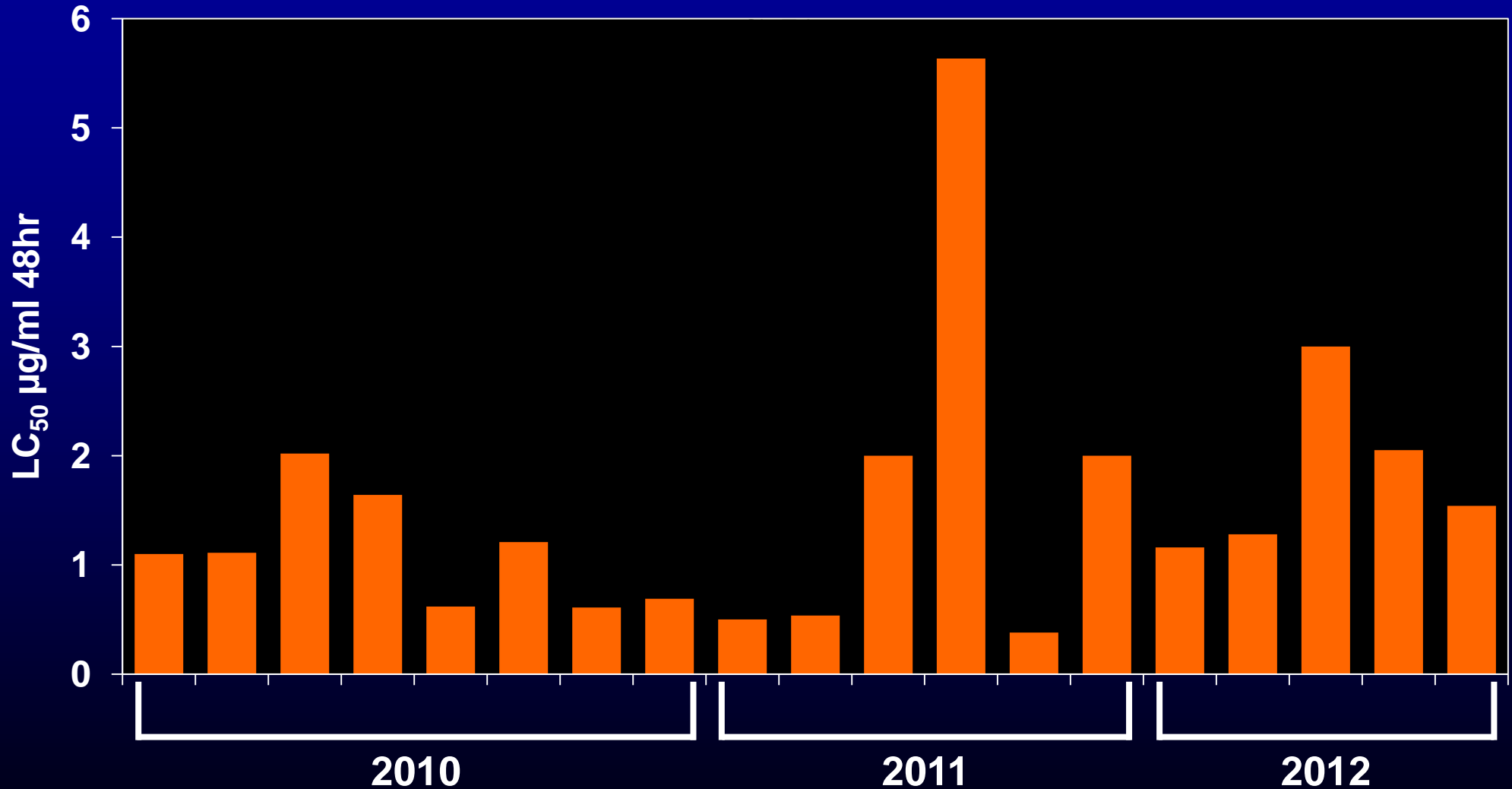
Lygus Assays with Sulfoxaflor 2012



* = estimated value, data did not fit probit model.

Lygus Assays with Sulfoxaflor

2010-2012





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