

# Rice Weed Management

**Eric Webster**



# How to Manage Hard to Control (Escaped) Mid-Season Grasses when Herbicide Programs Don't Go As Planned

# Mid-Season Grass Management

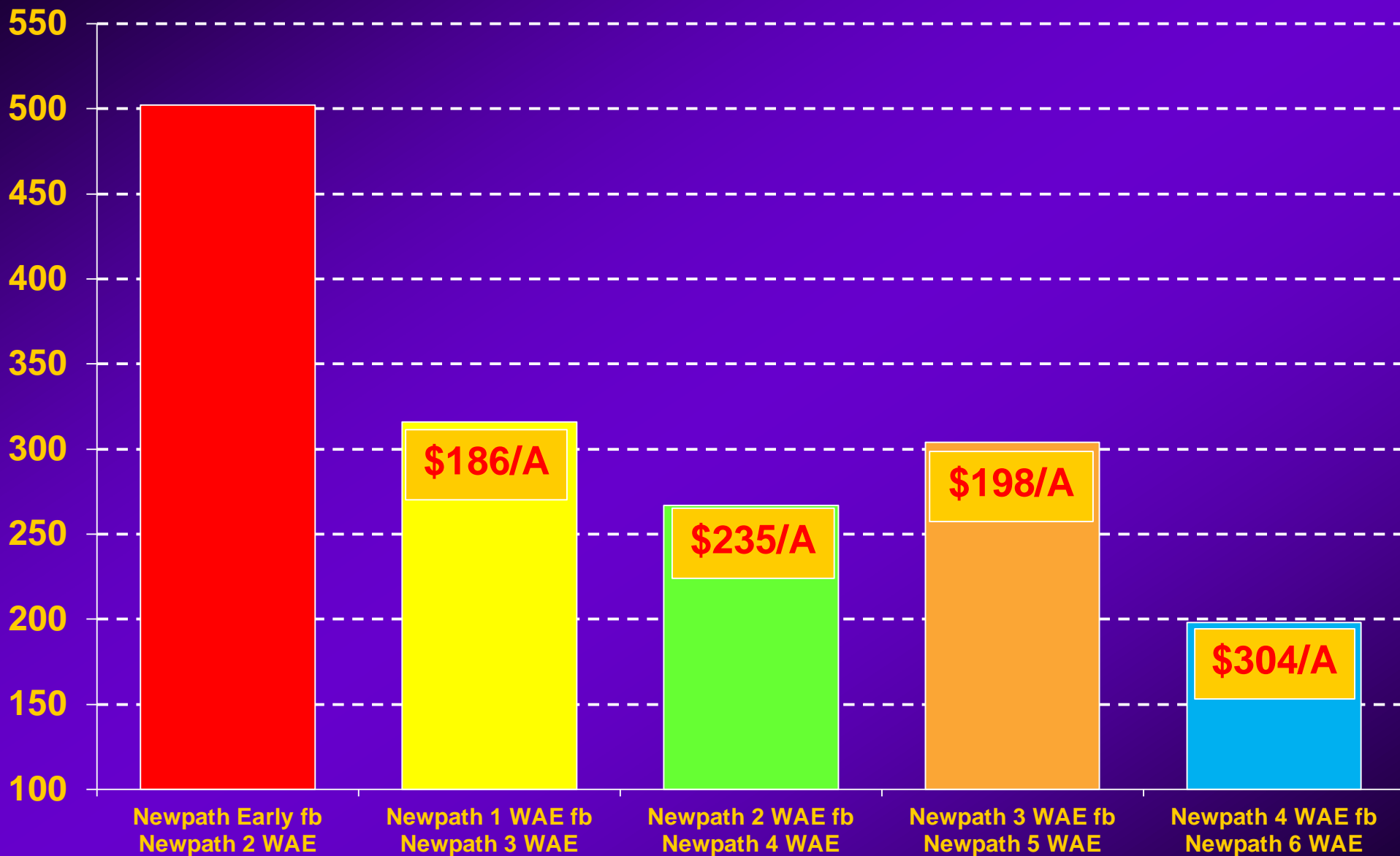
	Barnyard-grass	Amazon sprangletop	Nealley's sprangletop	Fall panicum	Broadleaf signalgrass	Creeping rivergrass	Brooks paspalum	Water paspalum	Knotgrass
Beyond	C	S	S	S	C	S	T	S	S
Bolero + Pro	S	S	S	S	S	T	T	S	S
Clearpath	C	S	S	S	C	T	T	C	S
Clincher	C	C	S	C	C	S	T	C	C
Facet	C	T	T	S	C	T	T	T	T
Grasp	C	T	T	T	T	S	T	T	T
Newpath	S	S	S	S	C	S	T	C	S
Obey	C	S	T	S	S	T	T	T	S
Propanil	S	S	S	S	S	T	T	S	S
RebelEx	C*	C*	S*	S*	S*	S*	T	S*	C*
Regiment	C	T	T	T	T	T	T	T	T
RiceBeaux	S	S	S	S	S	T	T	S	S
RiceStar HT	C	C	C	S	C	S	T	C	C
Strada	S	T	T	S	T	T	T	T	T

**C – Control; S – Suppression; T – Tolerant; \* Potential for antagonism**

**Do not Cut Herbicide Program  
in an Effort to Save Money**

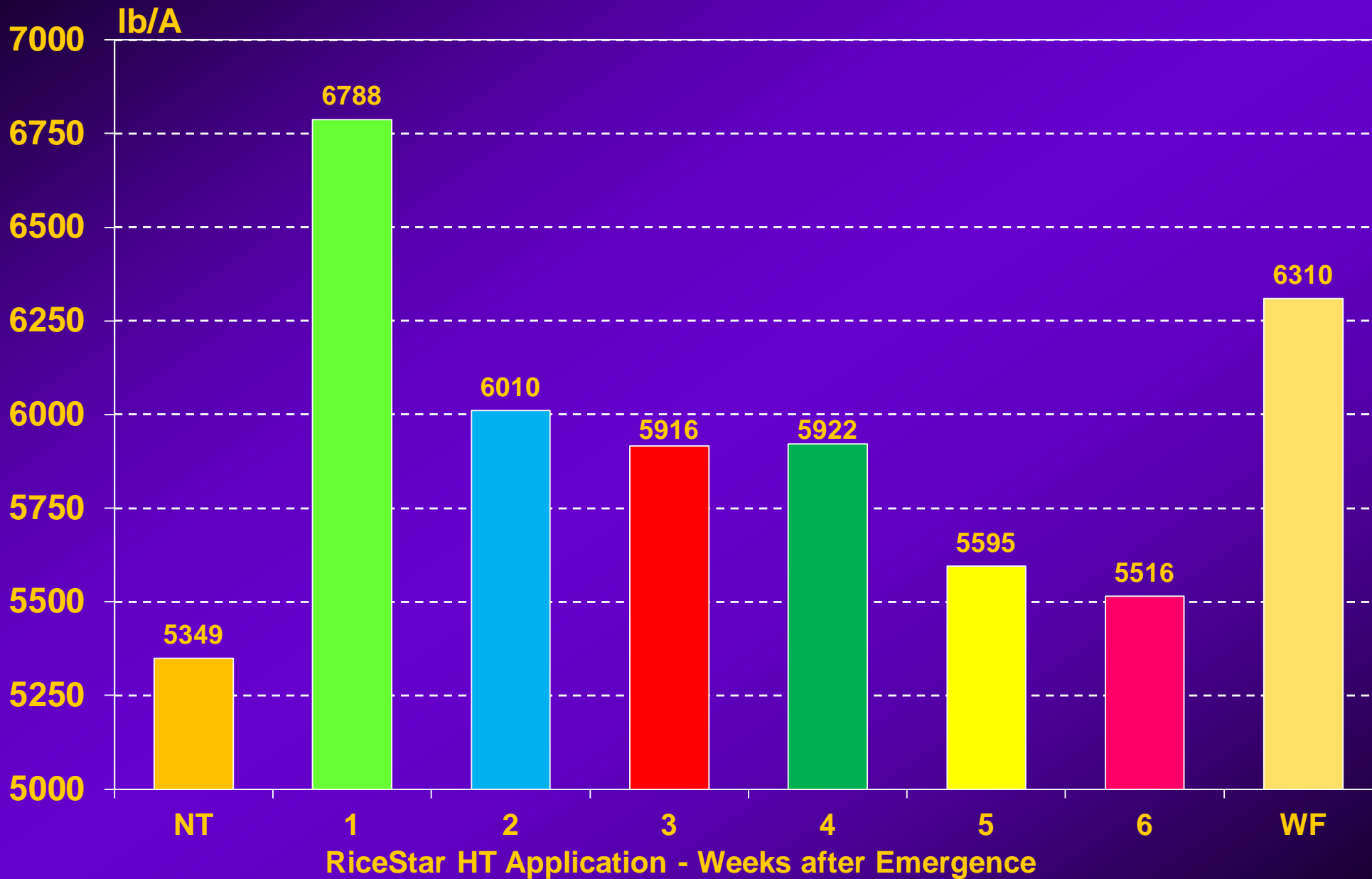
# Importance of Early Application

# Profit over Herbicide Cost vs. Newpath Application Timing



# Importance of Early Application for Nealley's Sprangletop

# Rice Yield following RiceStar HT Timings on Nealley's Sprangletop



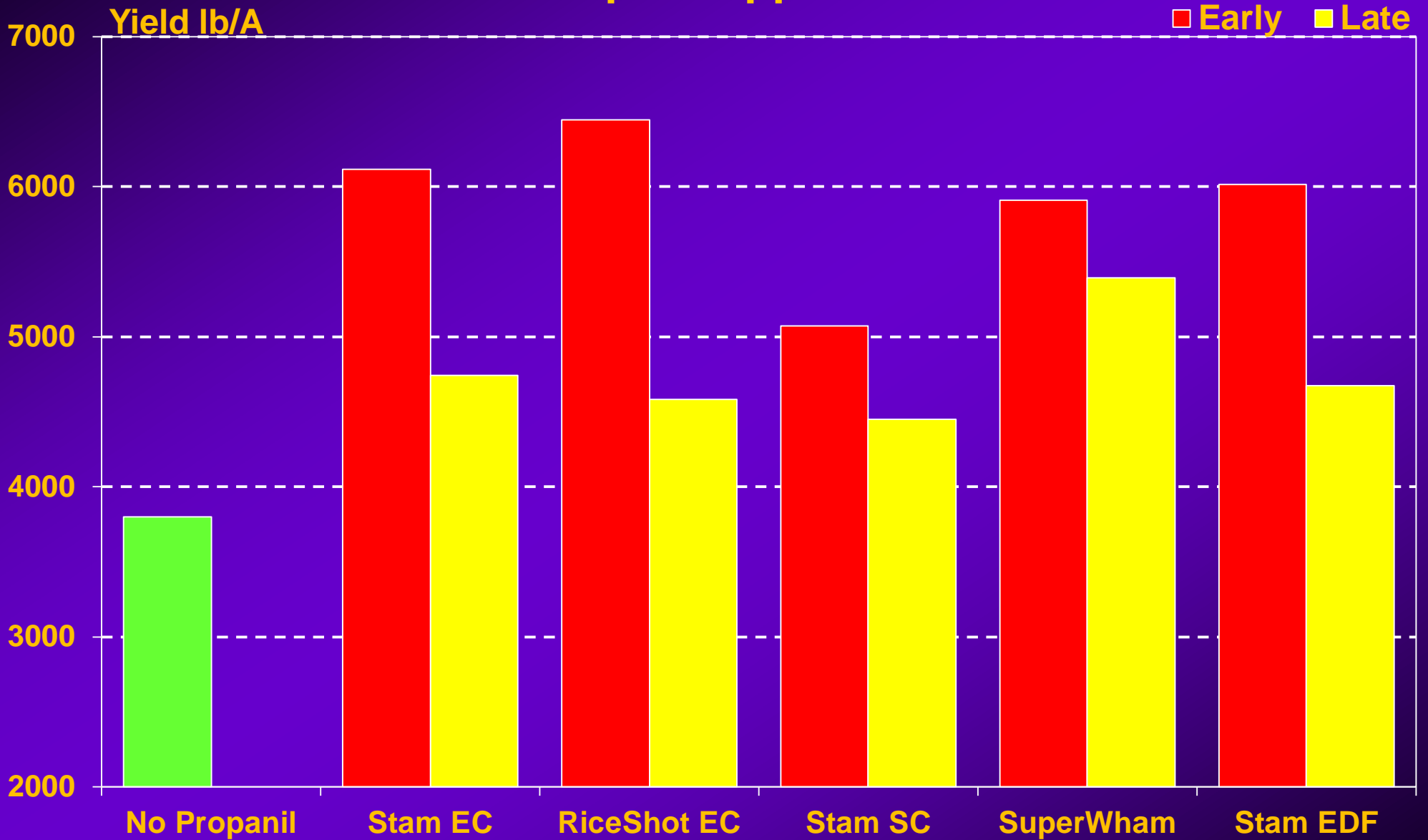


# Nealley's Sprangletop

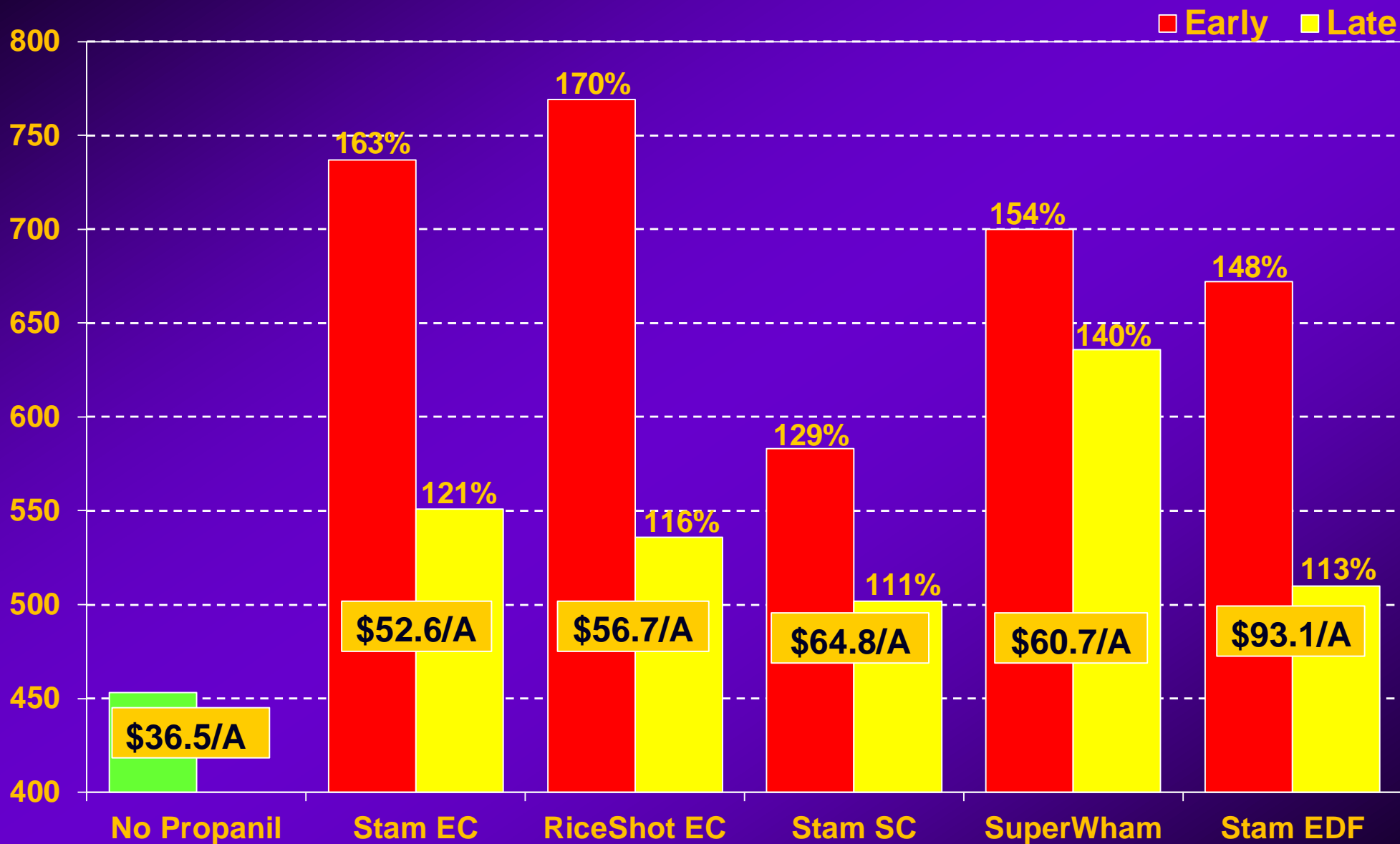
- Annual
- Is often a perennial in south Louisiana
- Prolific seed producer
- Seed viable at maturity
- Not extremely competitive
- Must apply herbicides early - Previous slide delaying RiceStar HT application from 1-6 wk, lose 32 lb/day or 1120 lb/A
- Program approach is best
- Postemergence 24 oz/A RiceStar HT

# Newpath plus Propanil Programs

# Different Propanil Formulations Applied in the Early or Late Newpath Application



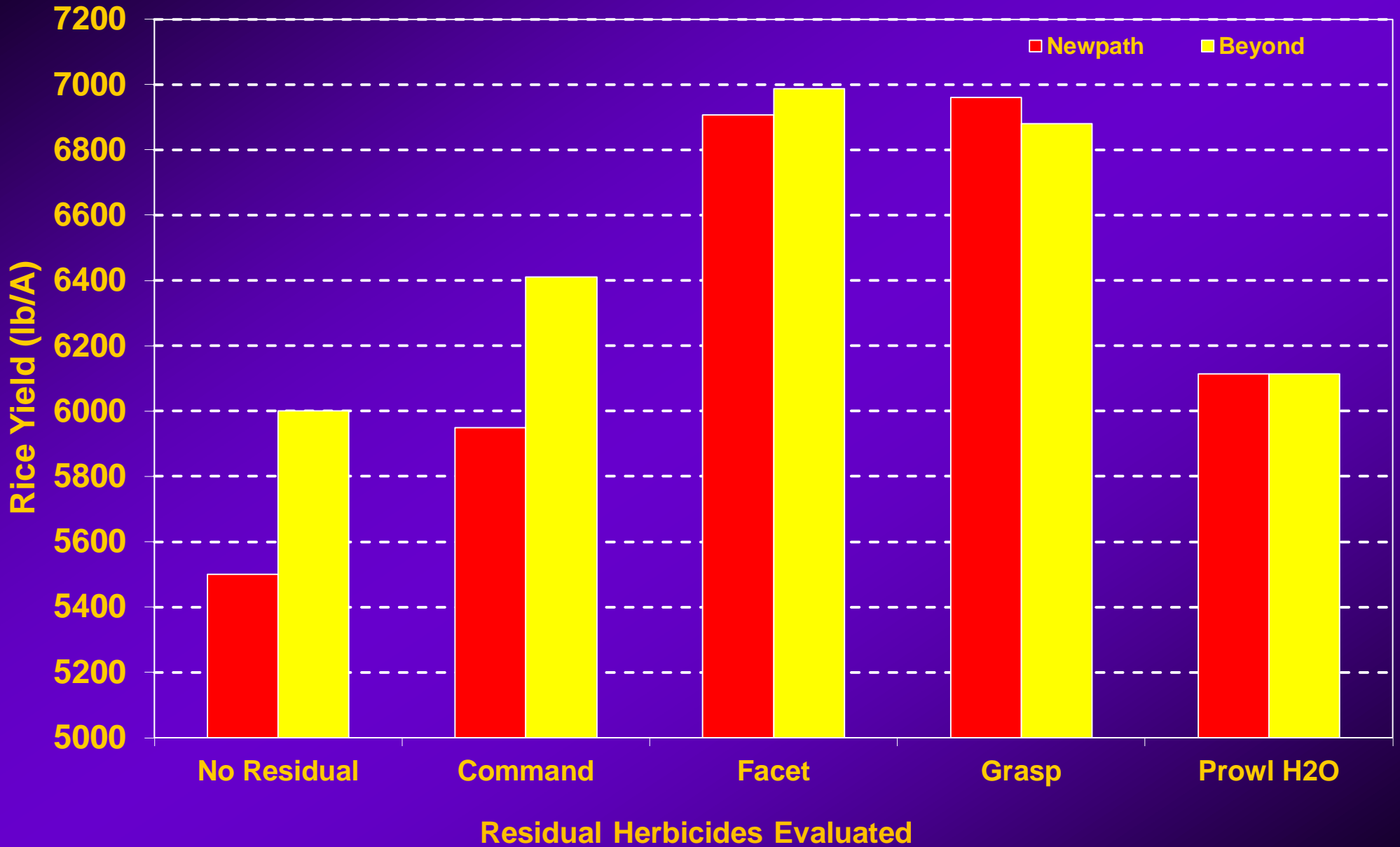
# Different Propanil Formulations Applied in the Early or Late Newpath Application, Net returns over Herbicide Costs



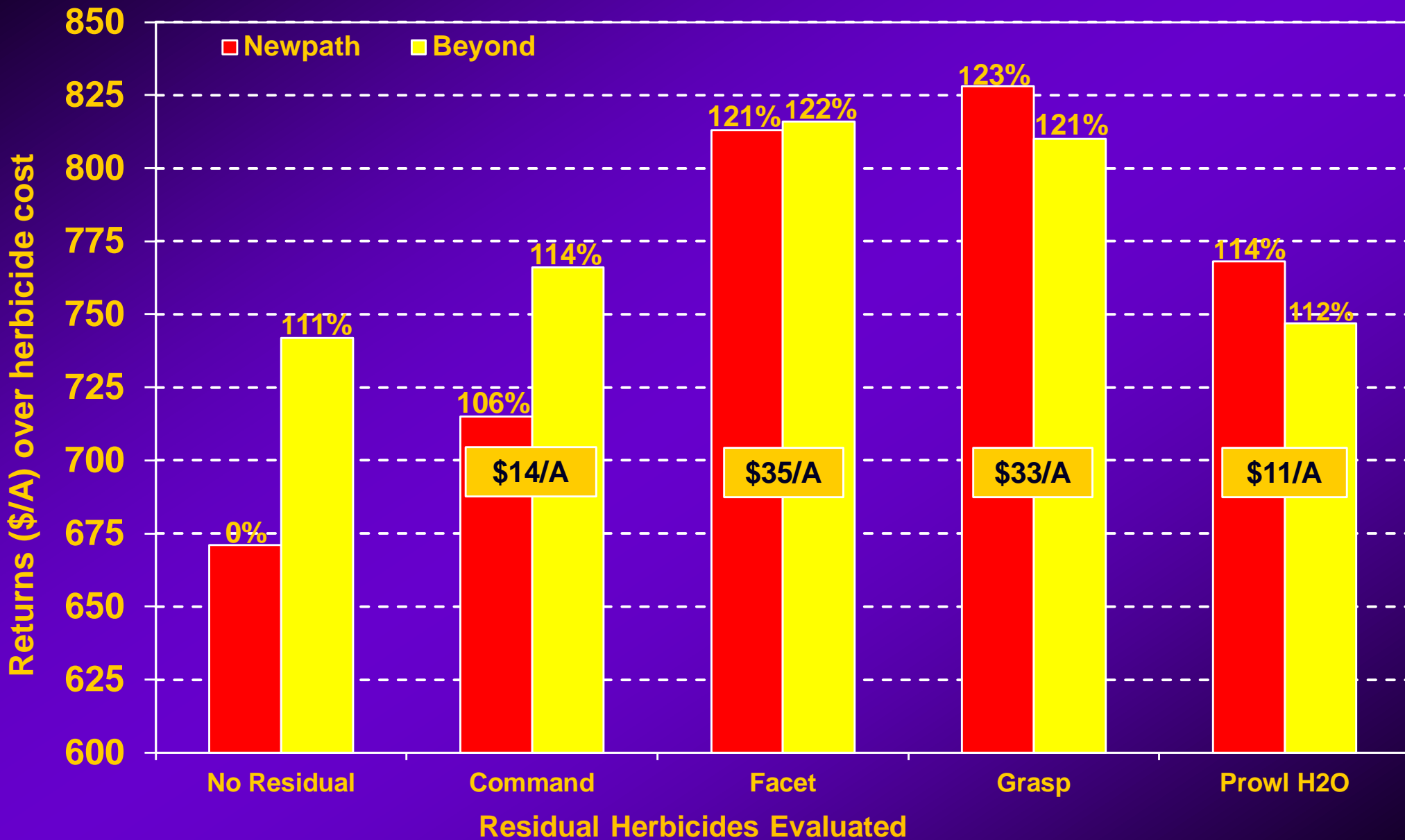
# Use of Residual Herbicides in a Clearfield System

Spend More/Make More

# Yield of Clearfield Rice Treated with Residual Herbicides



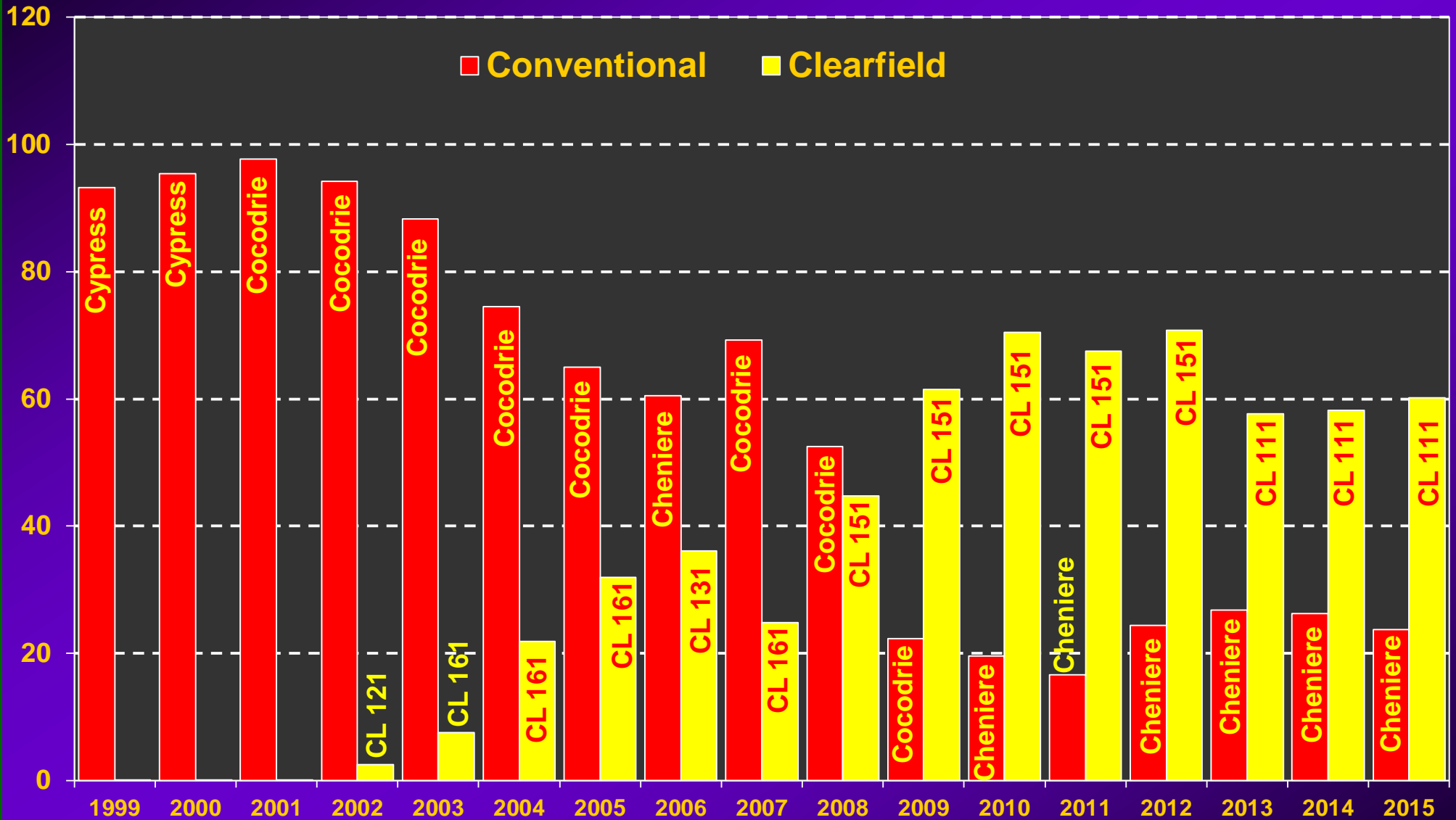
# Net Returns over Herbicide Cost



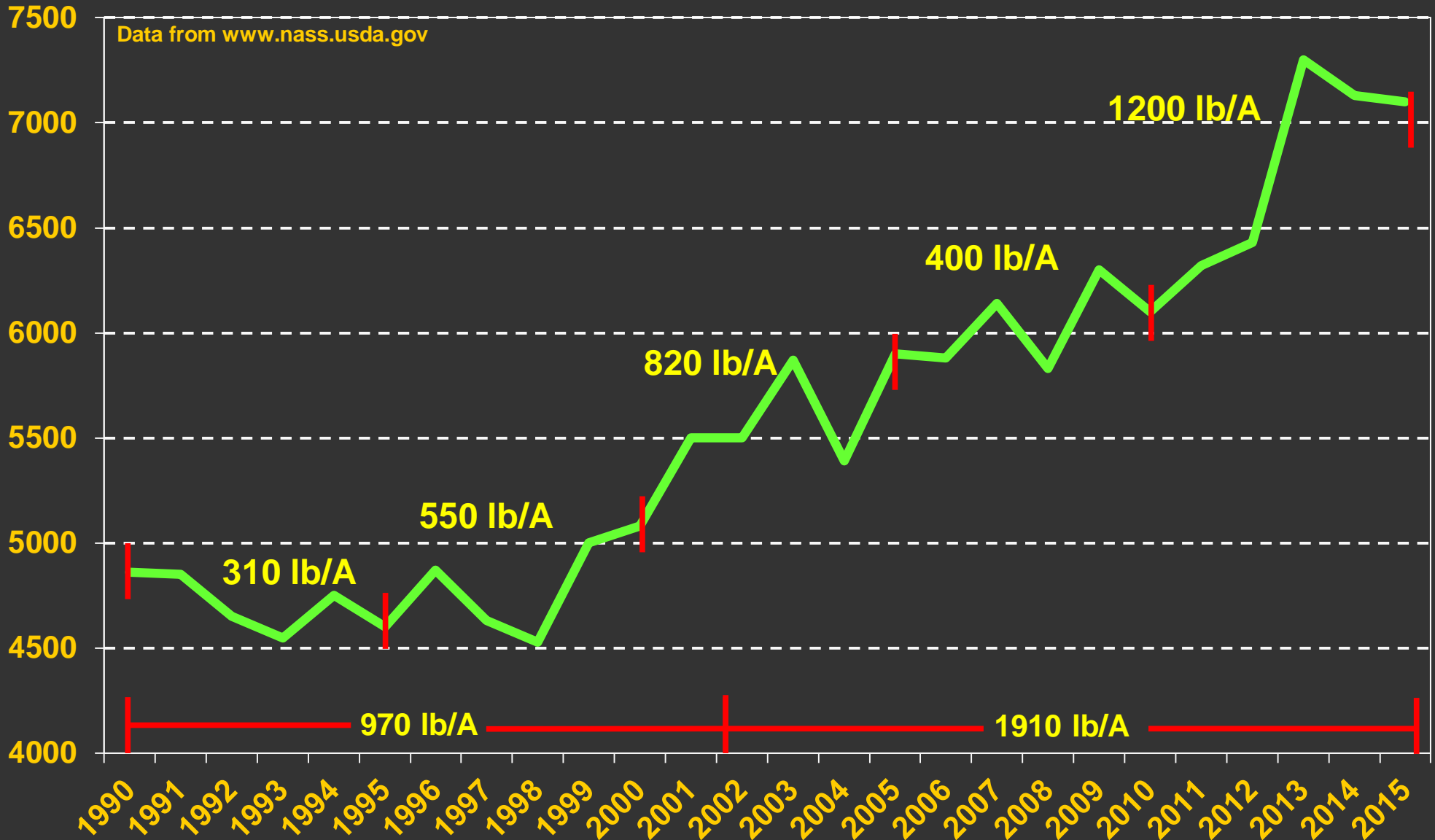
# How has Production Changed



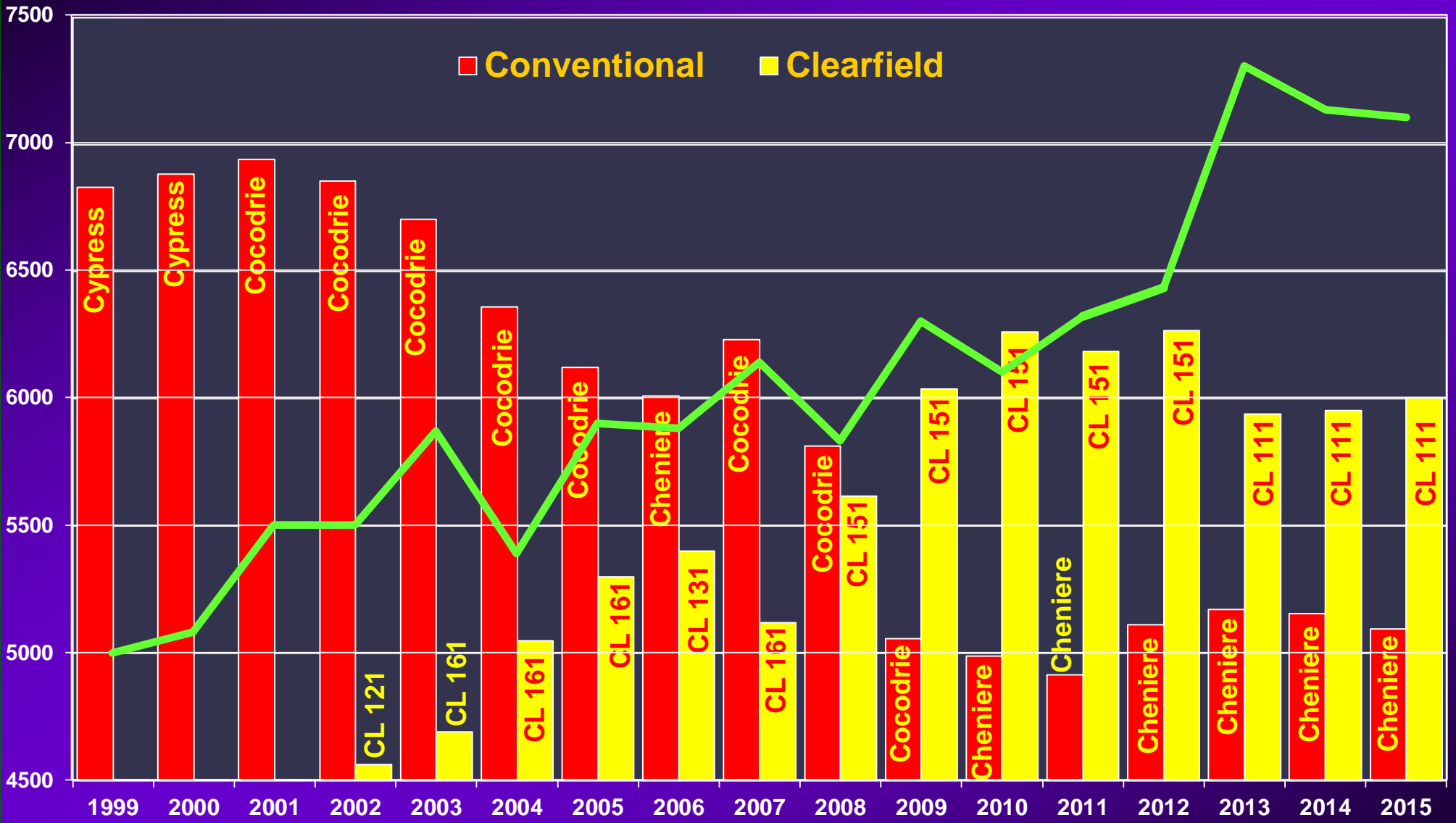
# Louisiana Long Grain Rice Acreage as Percent of Total Crop



# Average Rice Yields in Louisiana from 1990 to 2015



# Long grain Rice Acreage as Percent of Total Crop vs. Yield Increase



# Things that Occurred this Year

- Cutting herbicide rates to save money
- Delaying application timing, want to do it one time
- Reduced rates often costs more
  - Added applications
  - Reduced control from added applications
  - Often get into salvage situations – nobody wins
  - Yield loss due to lack of control
- Realized red rice not eliminated
- New/old weed problems you forgot about

# Conclusion

- A herbicide is not always the best option
- Cutting herbicide rates to save money is not a good idea
- Nealley's sprangletop management is not cheap
- Apply POST herbicides to small weeds
- Know what goes in tank and why
- Coverage is important, higher speed, less coverage
- Will Provisia rice help? Be prepared to follow stewardship
- We have resistance but we can manage it
- If you think you have resistance, assume you have it
- Rice weed management in Louisiana some of best in last 2-3 years

# Questions