

# Comprehensive Weed Control Program Burndown to Harvest

**Eric Webster**



# Rice Weed Control

- Weed control for 2013 began in 2012 or earlier
- Know your weeds
- One size does not fit all, EVERY field is different
- I believe in being aggressive
- We have shown being aggressive with rates is actually more profitable
- Initial burndown applications need to be applied early
- I recommend multiple modes of action per application
- Apply herbicides to small actively growing weeds
- I don't have all the answers

# Burndown

# Burndown Program

- Start with a clean seedbed
- First application 6 to 8 weeks prior to planting
- Look at mixtures to broaden spectrum
- One size does not fit all

Herbicide	Plant Back Restrictions
2,4-D	30 d – Consult Label
Aim	0
Dicamba	3 d/oz – Consult Label
FirstShot	0
Glyphosate/Roundup	0
Grandstand	21 d
Ignite	0
Leadoff	1.5 oz - 60d/2 oz – 90d
Sharpen	15 DPP/45 DP Flood
Valor	30 d

- Always consult Label

# In Crop

# Rice Weed Control – Clearfield Rice

- **Newpath is a must in the system**
- **Newpath brings too much to the production system to move to a total Beyond program**
- **In the Clearfield system, use higher rate of Newpath in first application**
- **Add a residual herbicide when possible**
- **Multiple modes of action like Obey or RiceBeaux mixed with Newpath broaden spectrum while at same time preventing resistance**
- **We don't have another technology at this point**
- **Follow the BASF stewardship program**
- **The most important portion is rotate crops and chemistry**
- **Be aggressive in rotational crop**

# Comprehensive Weed Control

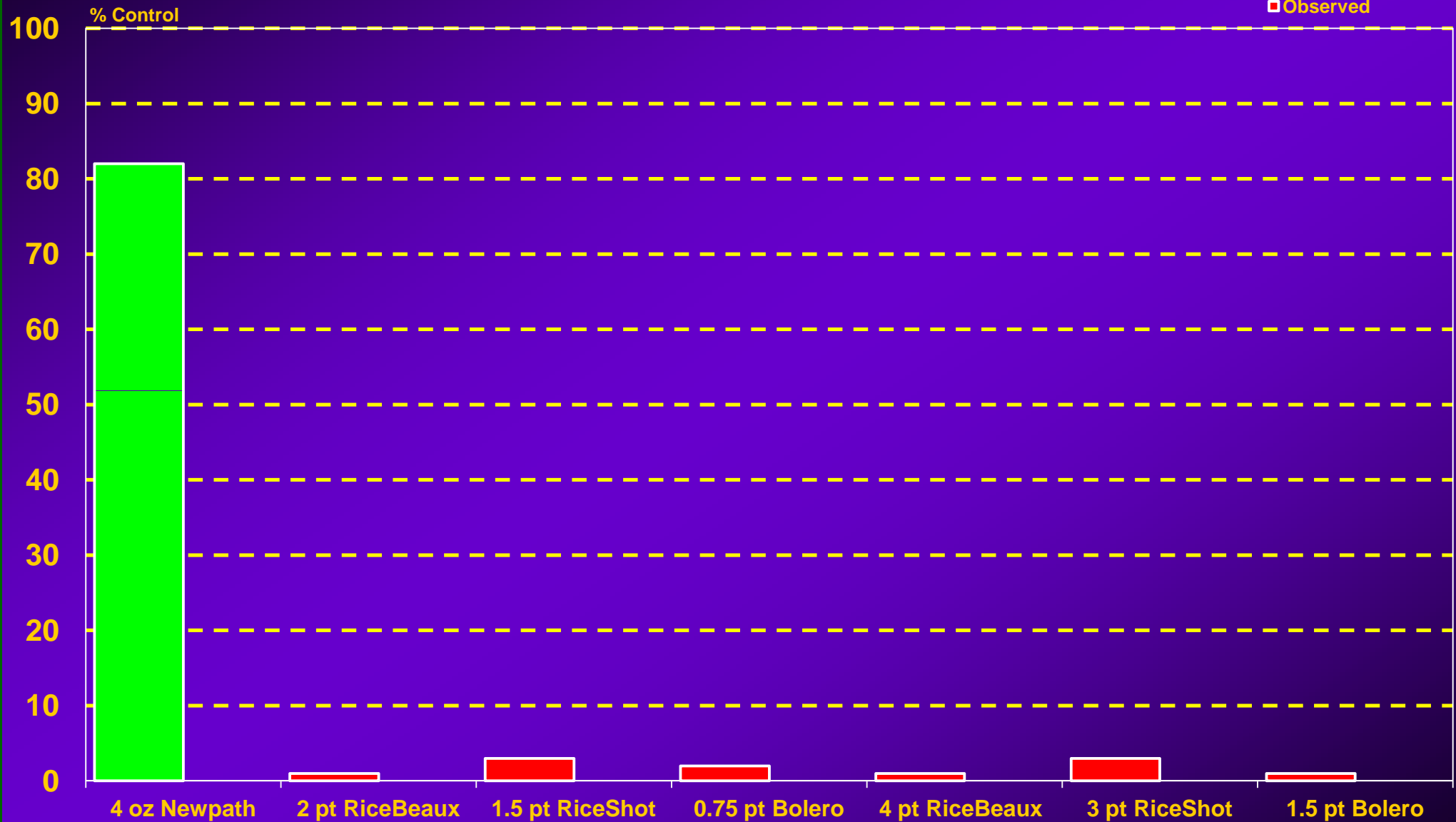
- **A lot of herbicides available**
- **Pick the one(s) that provide you with the most broad spectrum control**
- **Give and take is required**
- **Never miss an opportunity to apply a residual**
- **Reduced programs are fine but you can not walk away from it**
- **Use higher rates early then back off**
- **Be aggressive in Clearfield rice, spend money on seed get the most out of your weed control**
- **Follow the stewardship program, Newpath followed by Newpath/Beyond**
- **Mix herbicides with both applications**

# Newpath Plus RiceBeaux Potential for Synergisim



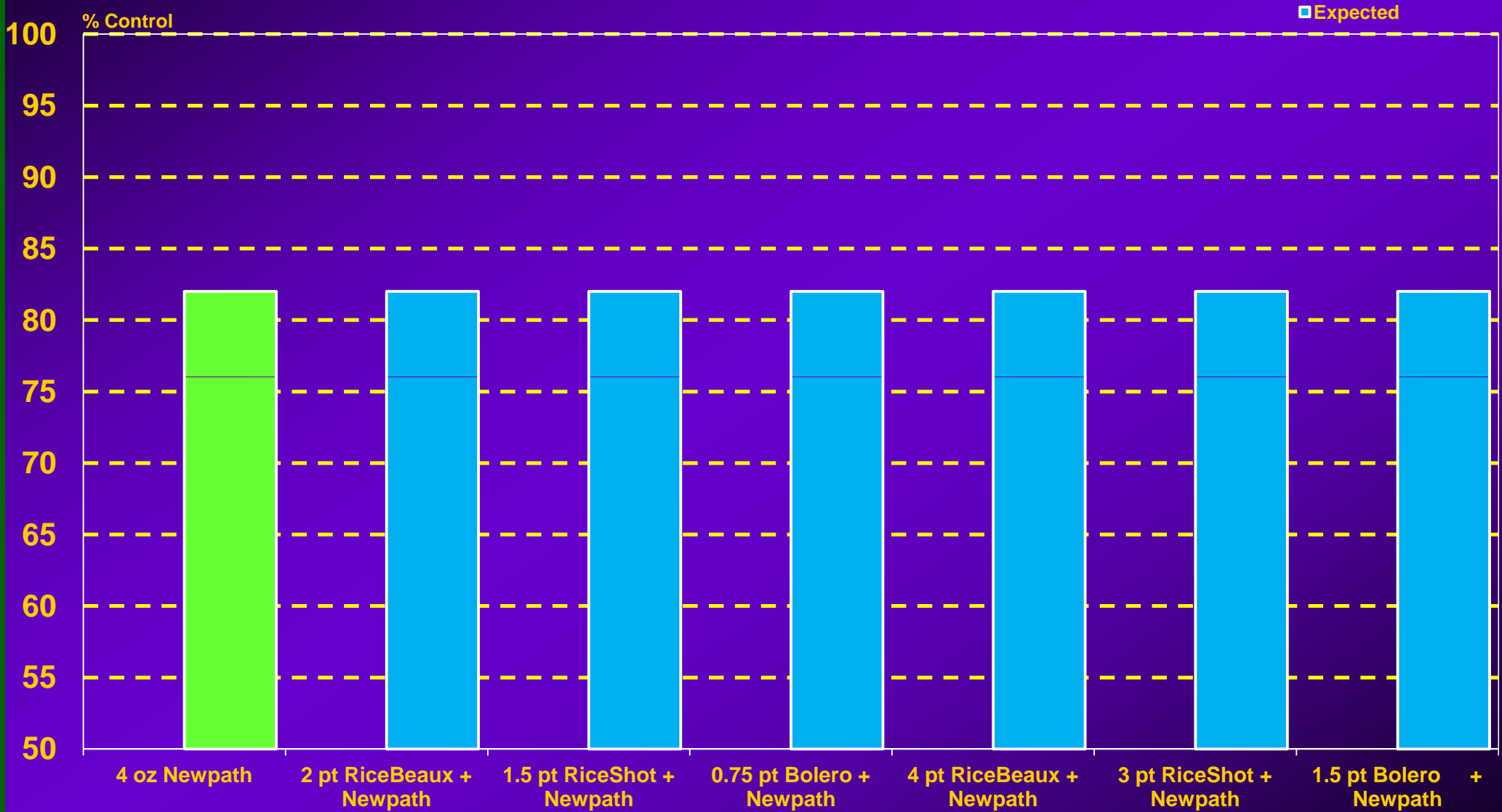
# Observed Red Rice Control with Products Alone

21 DAT



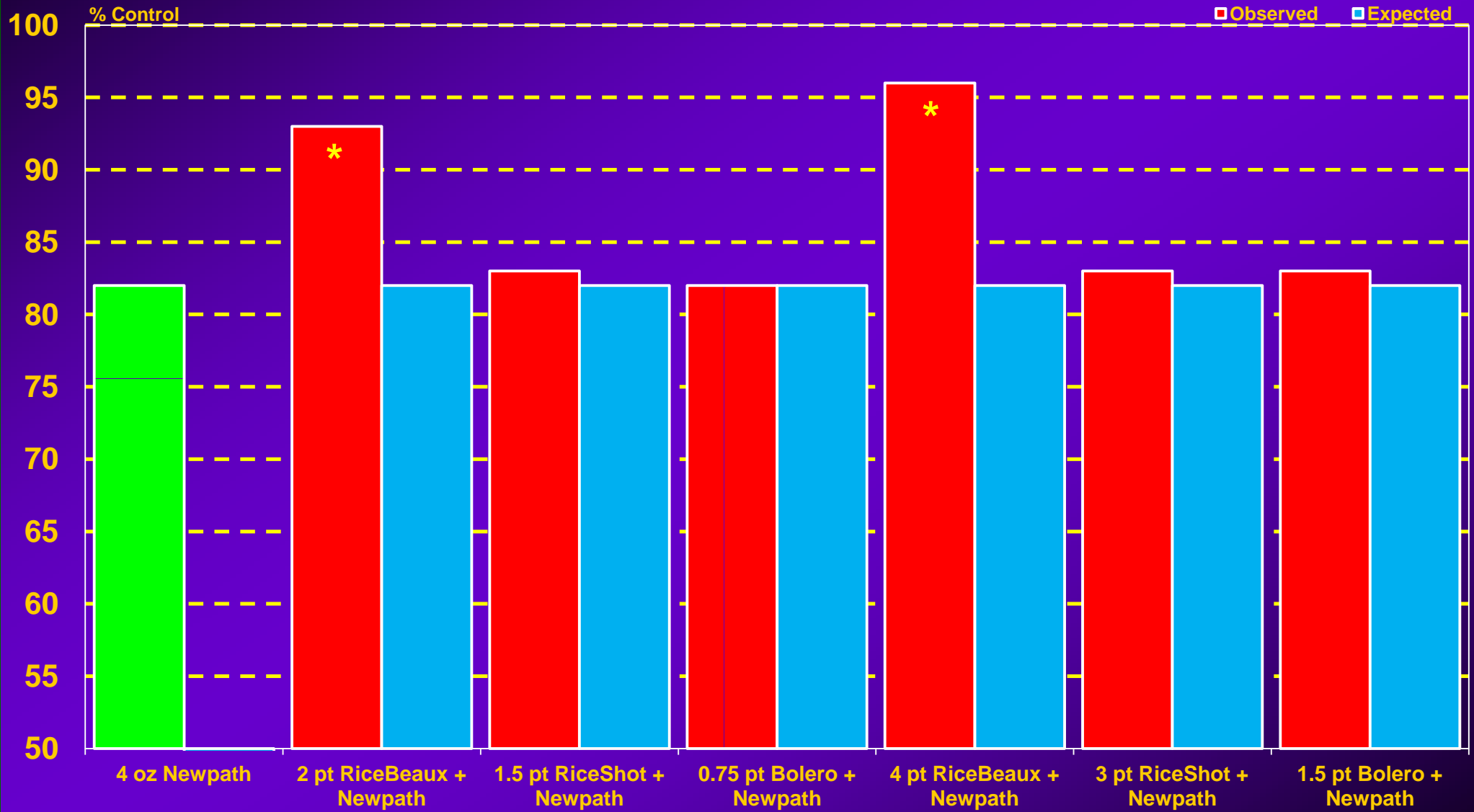
# Expected Red Rice Control with Products Mixed

21 DAT



# Observed vs. Expected Rice Control of Mixture

21 DAT



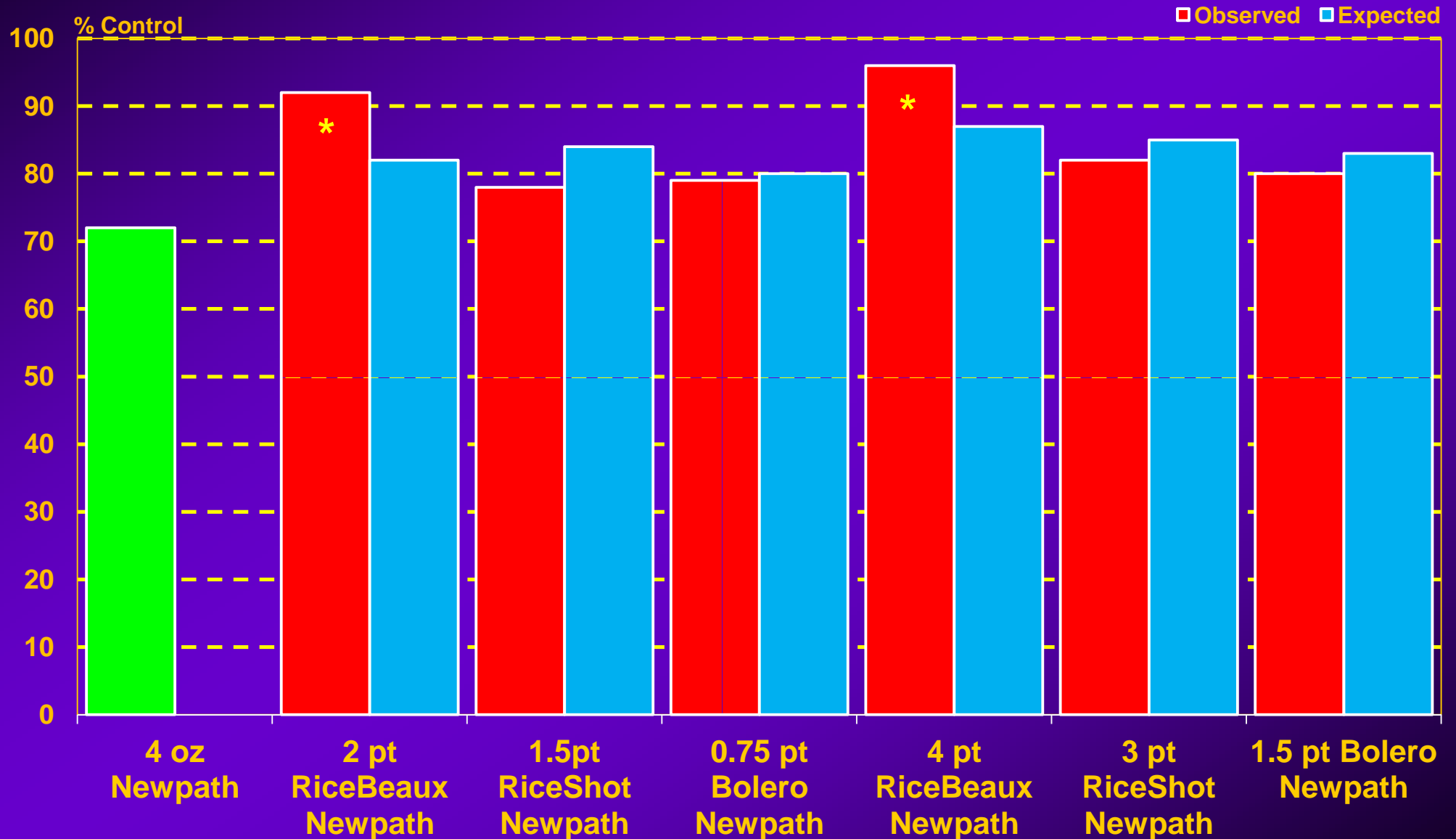


**Newpath 4 oz + RiceBeaux 4 pt EPOST  
fb Newpath 4 oz LPOST**

**RiceBeaux 4 pt EPOST  
fb Newpath 4 oz LPOST**

# Expected vs Observed Barnyardgrass Control

## 21 DAT



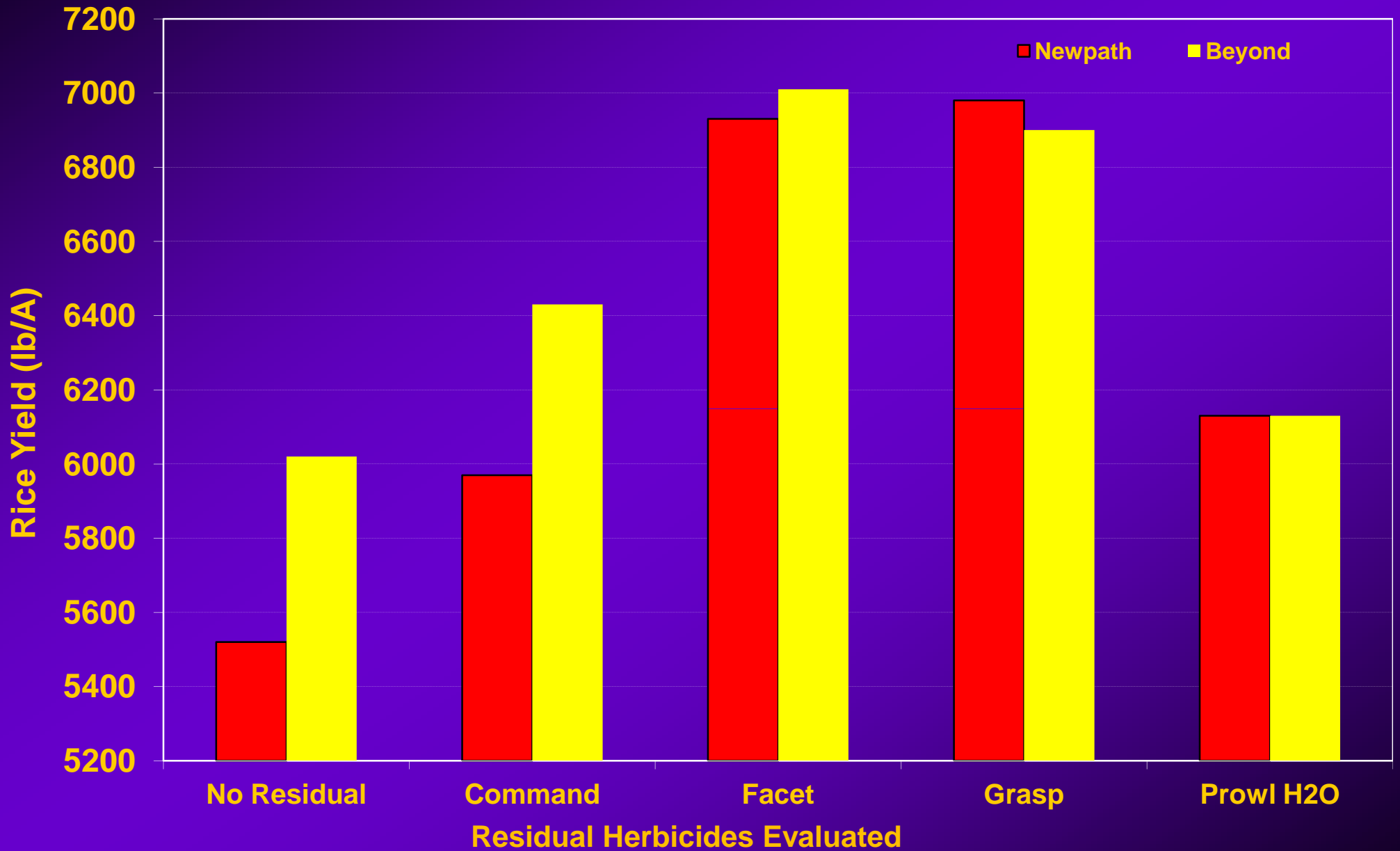
# Newpath RiceBeaux Mixes

- **RiceBeaux at 2 pt to 4 pt increased red rice control**
- **Similar results observed with Beyond**
- **Activity on barnyardgrass increased with Newpath and Beyond**
- **Helps prevent/delay weed resistance**
- **Familiar with products**

# Comprehensive Weed Control

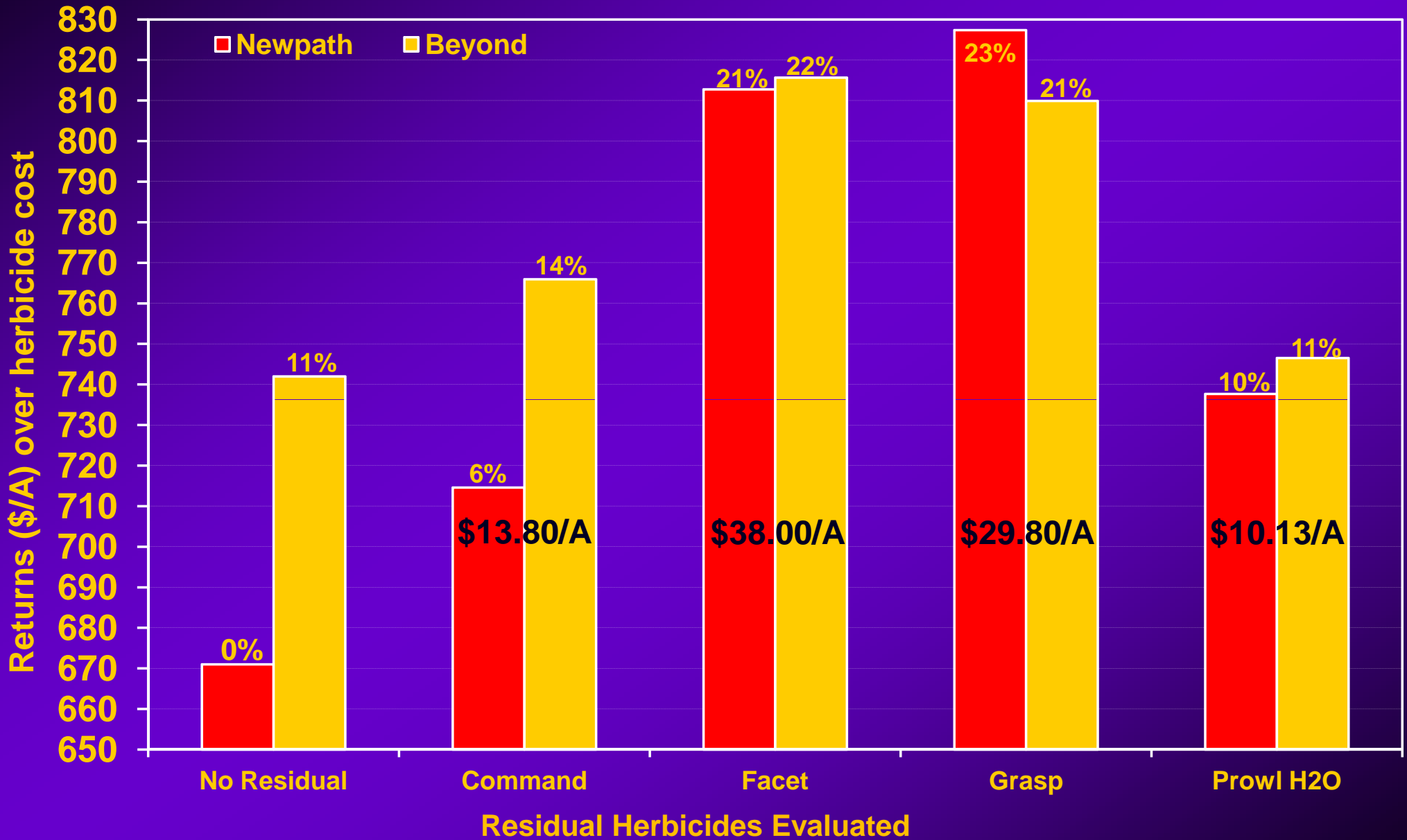
- I believe in residual herbicide
- Command, pendimethalin, Obey, Facet, Grasp, Newpath, Bolero
- Use a residual whenever possible
- Residual herbicides help activity on all weeds including red rice
- Some data indicates one application of Newpath at 6 oz will provide control of red rice
- **DO NOT DO THIS**
- Please follow stewardship, you will never hear me say otherwise
- In my opinion, apply no less than 6 oz/A of Newpath at first application
- Can apply up to 6 oz/A of Beyond
- Residual and multiple MOA applications for broad spectrum
- It may cost more, but returns are higher

# Yield of Rice Treated with Residual Herbicides



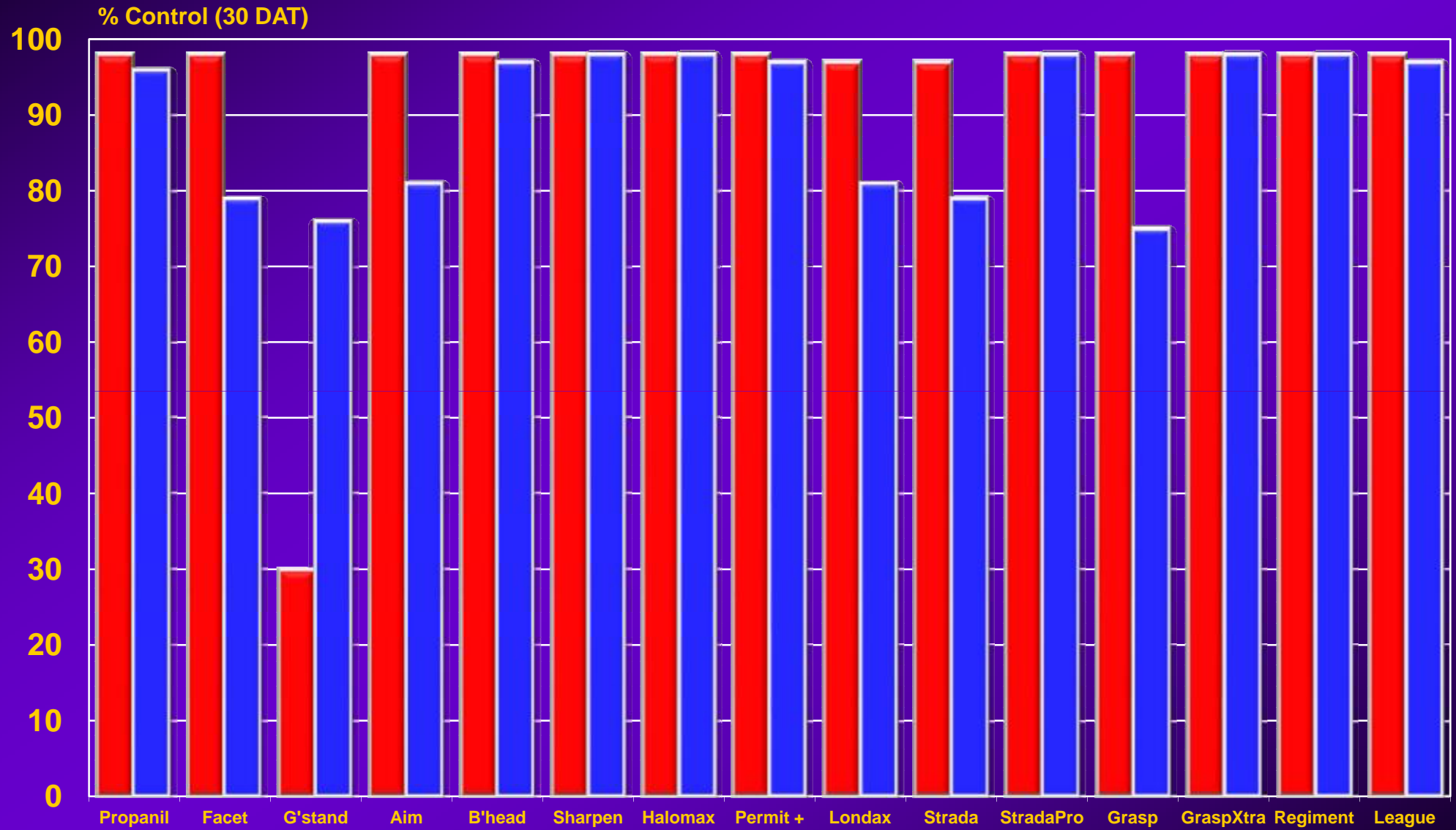


# Profit over Application Cost



# **MPOST and Salvage Treatments for Sedge and Broadleaf Control**

# Hemp Sesbania Control with Broadleaf Herbicides Applied MPOST vs. Salvage



## **Broadleaf Herbicides Applied across Different Application Timings**

- **Only one application**
- **In these studies MPOST good timing**
- **Salvage treatments acceptable control; however, control can be achieved but slow**
- **Yield loss already occurred on late and salvage applications**
- **A lot of herbicide choices**
- **Late herbicide application research has led to options in rice production**

# Conclusions

- **Be aggressive**
- **Apply to small actively growing weeds**
- **Multiple MOA**
- **Don't get locked into a standard program**
- **Every field is different**
- **Follow stewardship guidelines**
- **Avoid at all costs, Rice following Rice**
- **Rotation should not be a suggestion but mandatory**
- **Be aggressive in rotational crop**



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