

# Four Weeks After POST Application



Check Axial Disc Puma SelM Everest Varro PowerFlex Raptor Matrix PowerMax

# Four Weeks After POST Application



Check  
Far-Go  
Far-Go + Axial  
Axial  
Far-Go + Varro  
Varro



# Zidua SC

- Works on small seeds

Green Foxtail- 28 DAT



# Zidua SC

- Wild oat is not small

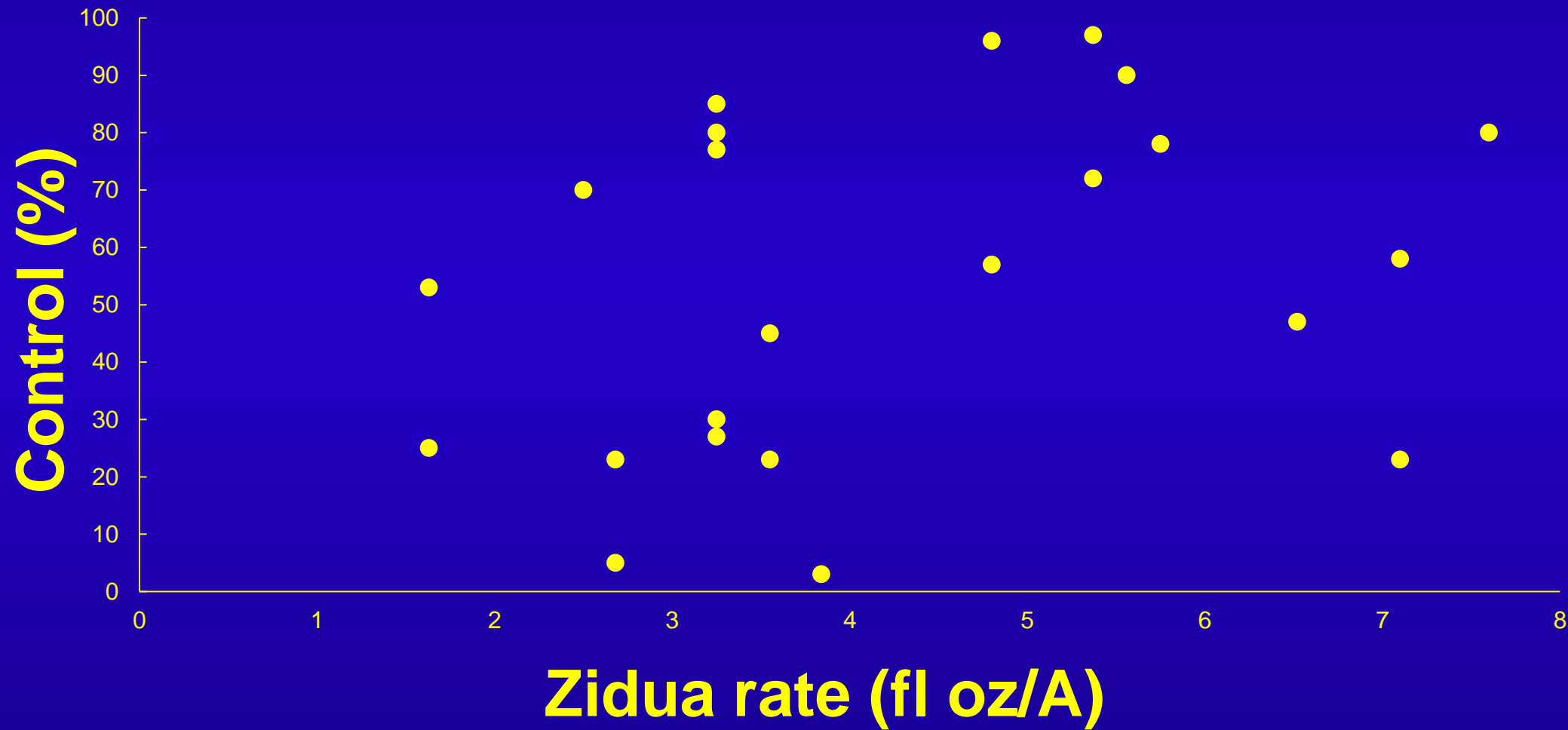
Green Foxtail- 28 DAT



Wild Oat- 28 DAT



# Zidua Control of Wild Oat in Spring



# Foliar vs Soil Activity of Pyrooxasulfone

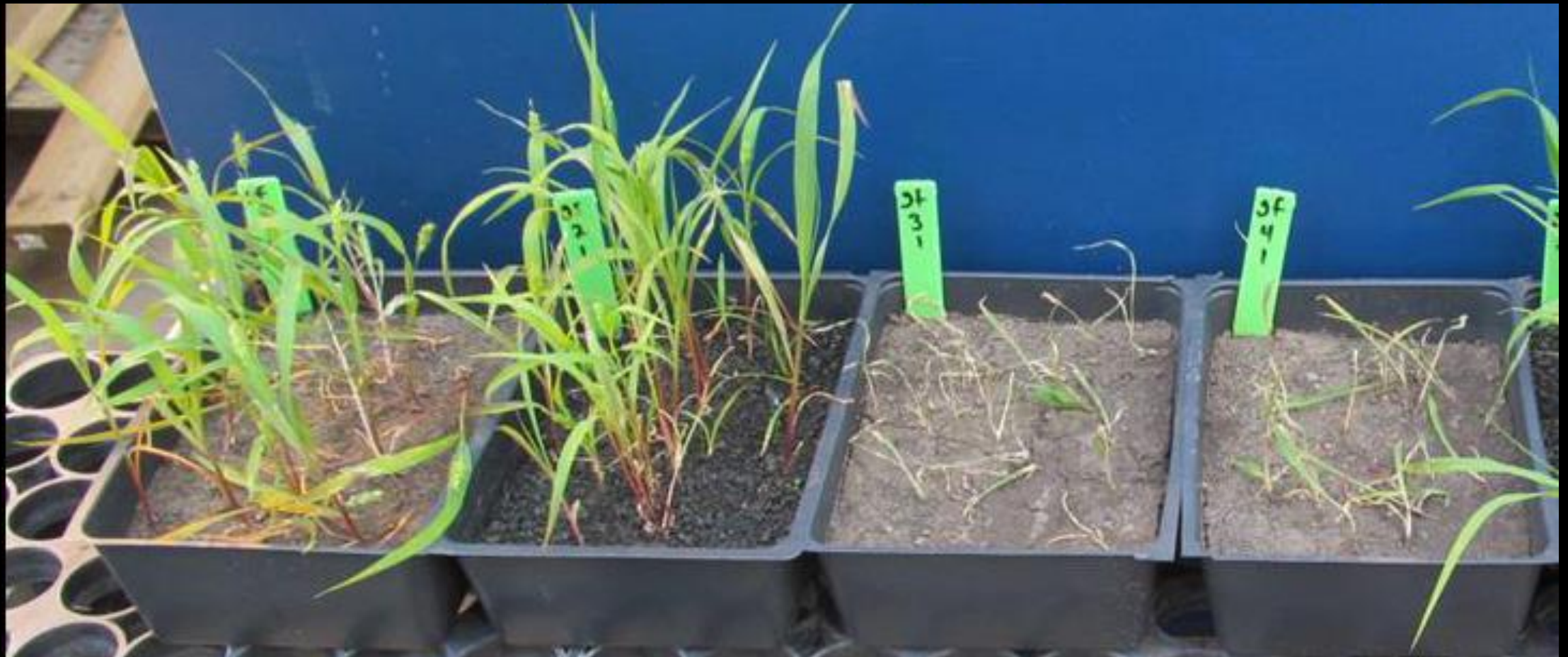


**Control**

**Foliar**

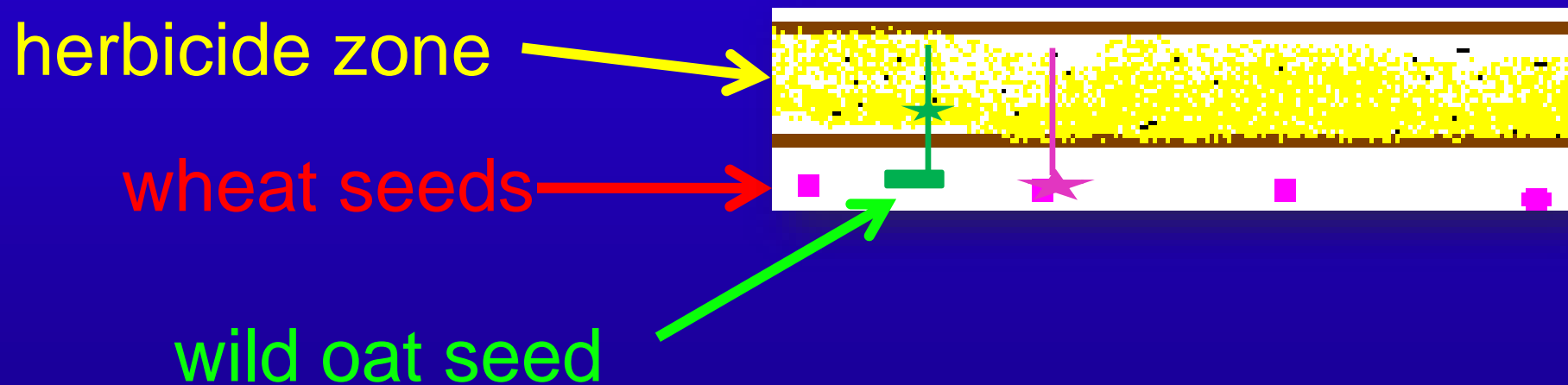
**Soil**

**Both**



# Zidua control of Wild Oat in Field

- Depends on getting herbicide to roots
- Delayed-pre application limits movement
- Better control in wet years
- Better control of shallow wild oat seed





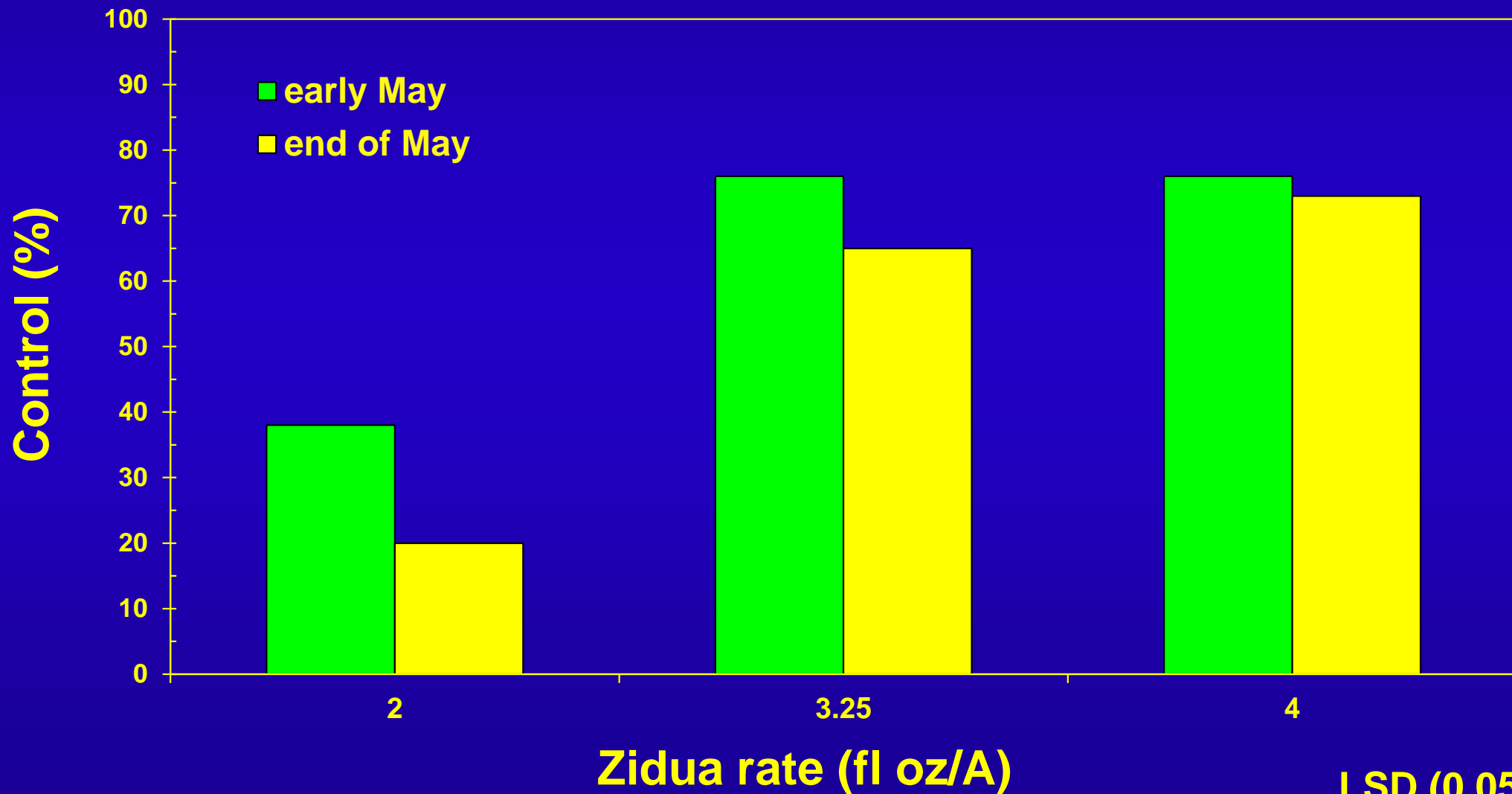
# 2 fl oz Zidua SC applied fall 2020



# 4 fl oz Zidua SC applied fall 2020



# Fall 2021 Zidua near Valley City



LSD (0.05) = 15, 12

**Zidua SC  
fl oz/A**

**0**

**3.25**

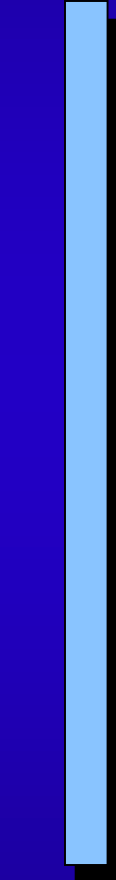
**2**

**4**

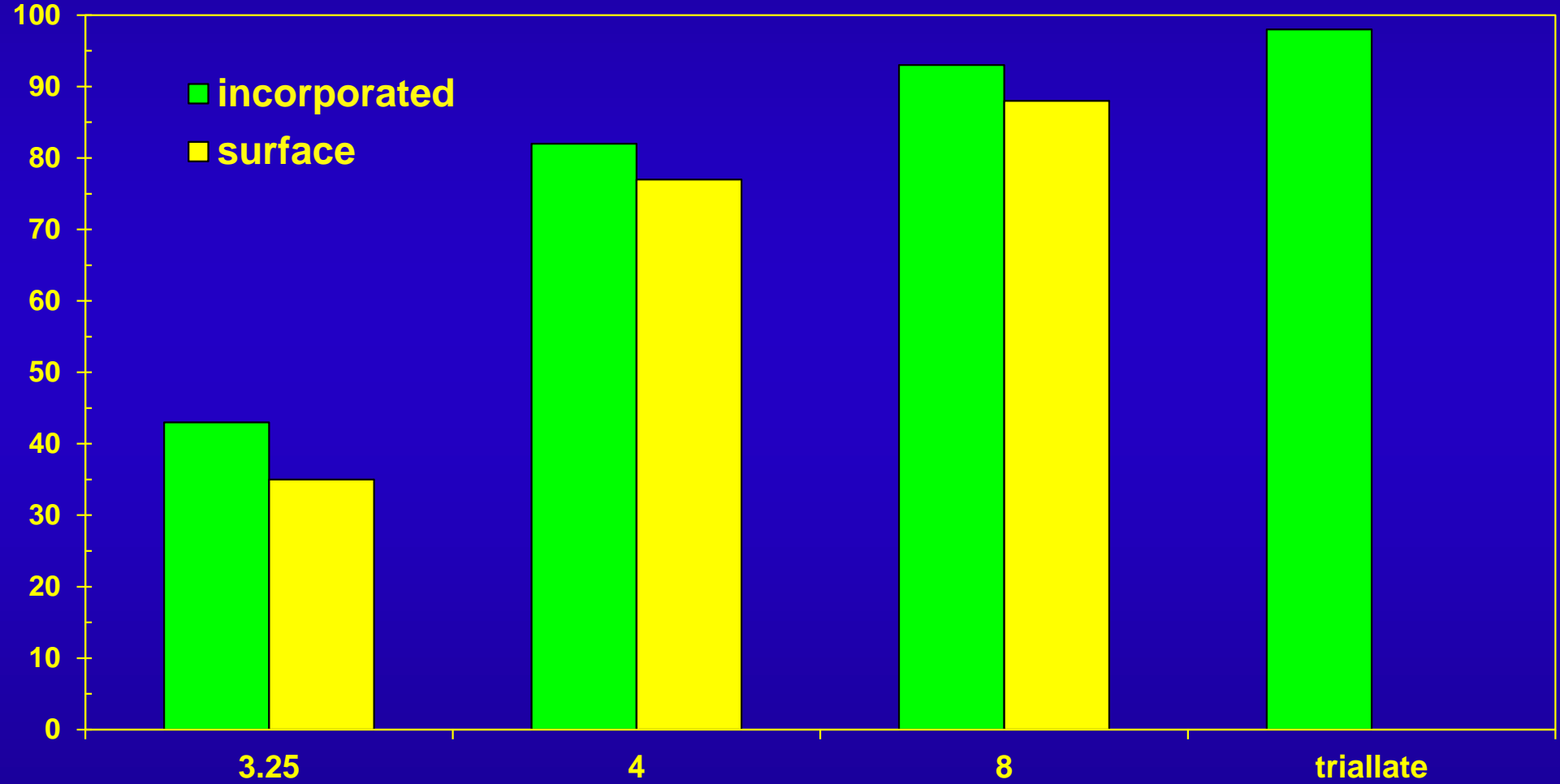




# Fall 2021 Zidua in Fargo



Control (%)



Zidua rate (fl oz/A)

LSD (0.05) = 5



**incorporated  
Zidua SC  
fl oz/A**

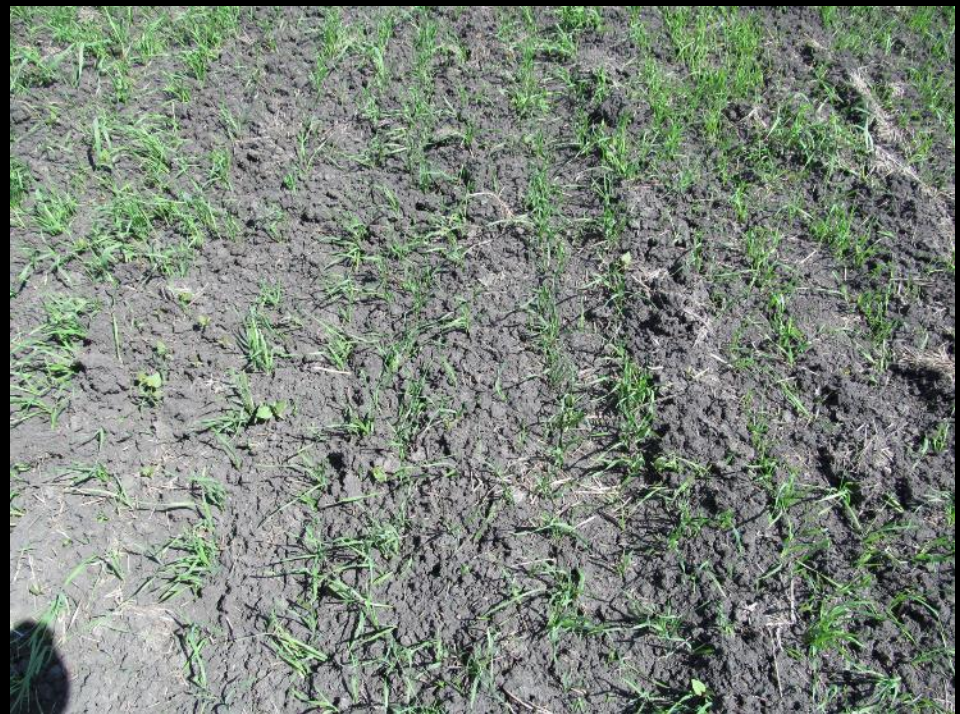
**0**

**4**



**3.25**

**Far-go**





**Zidua SC  
fl oz/A**

**incorporated  
3.25**

**4**



**surface  
3.25**

**4**





**Zidua SC**  
**fl oz/A**

**0**  
**incorporated**  
**4**



**surface**  
**4**

**Far-go**





# Zidua Rotational Crop Interval

## Zidua SC fl oz/A (oz ai/A)

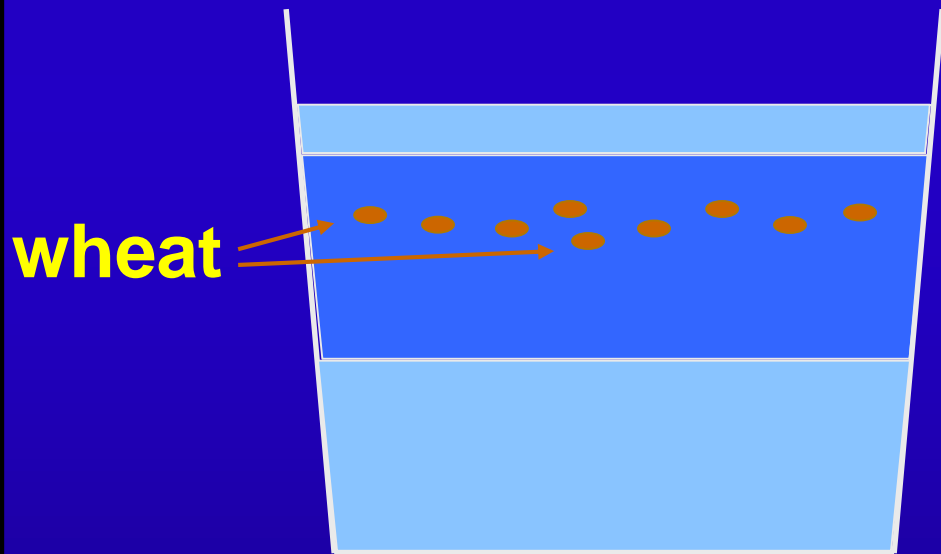
	<u>1.75 (0.9)</u>	<u>3.25 (1.7)</u>	<u>5 (2.6)</u>	<u>6.5 (3.4)</u>
<b>Barley</b>	11	11	11	18
<b>Oat</b>	11	11	11	18
<b>Rye</b>	11	11	11	18
<b>Triticale</b>	11	11	11	18
<b>Wheat, HRSW</b>	1	1	4	6

Durum appears more susceptible than HRSW in greenhouse.

Label states “DO NOT apply Zidua SC to durum wheat.”

# Relative Cultivar Tolerance

- Mix Zidua with soil and place around seed  
no delayed-PRE here!



– Soil

– Soil mixed with Zidua

– Soil

# Cultivar Tolerance to Zidua



# Wheat Cultivar Tolerance to Pyroxasulfone

## High

SY611C12

WB9479

WB9590

Alda

Ambush

Bolles

Faller

## Moderate

CP3530

Linkert

Murdock

Vitpro

Washburn

## Low

Glen

Ingmar

Toray

## Very Low

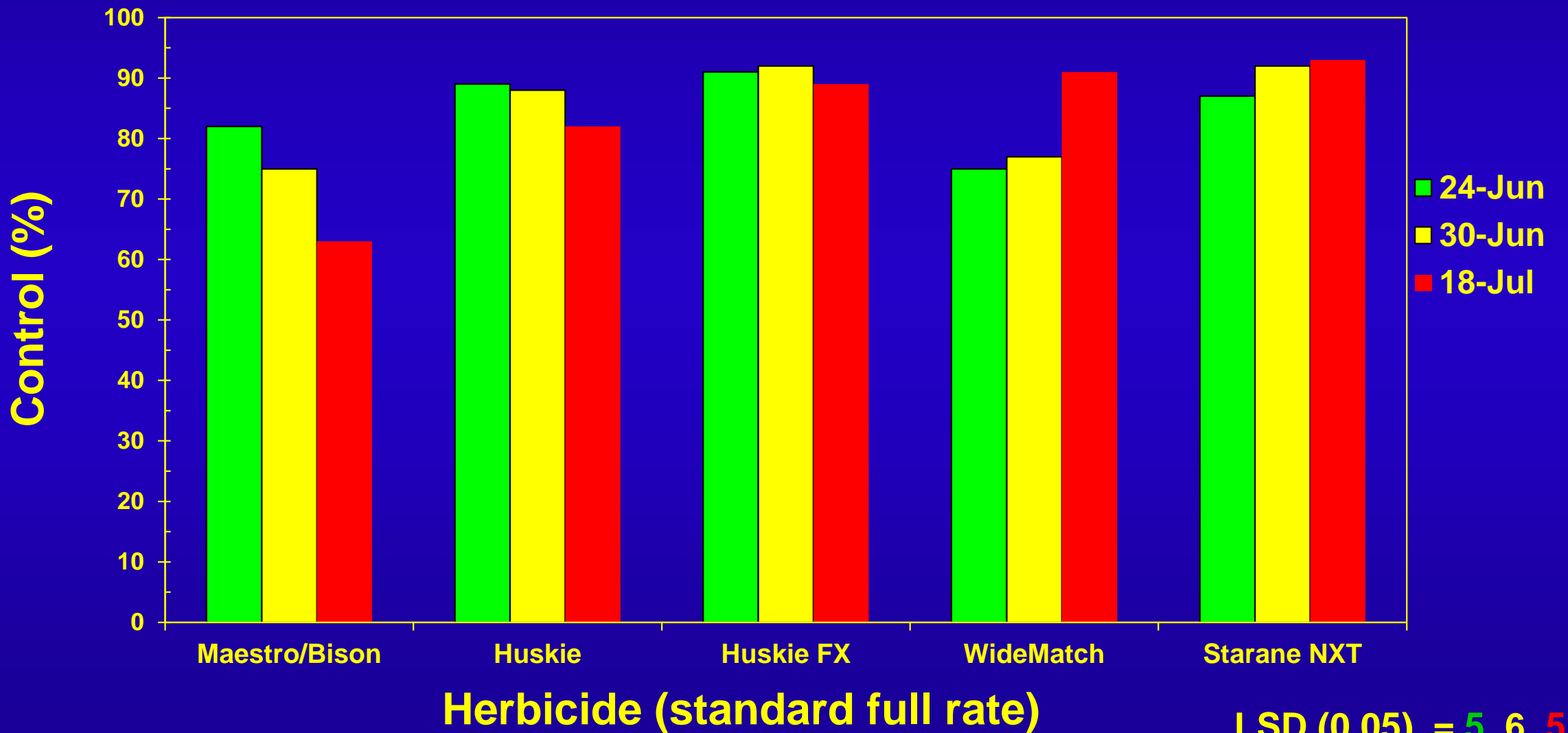
durum

# Kochia

The Empire  
Strikes Back!

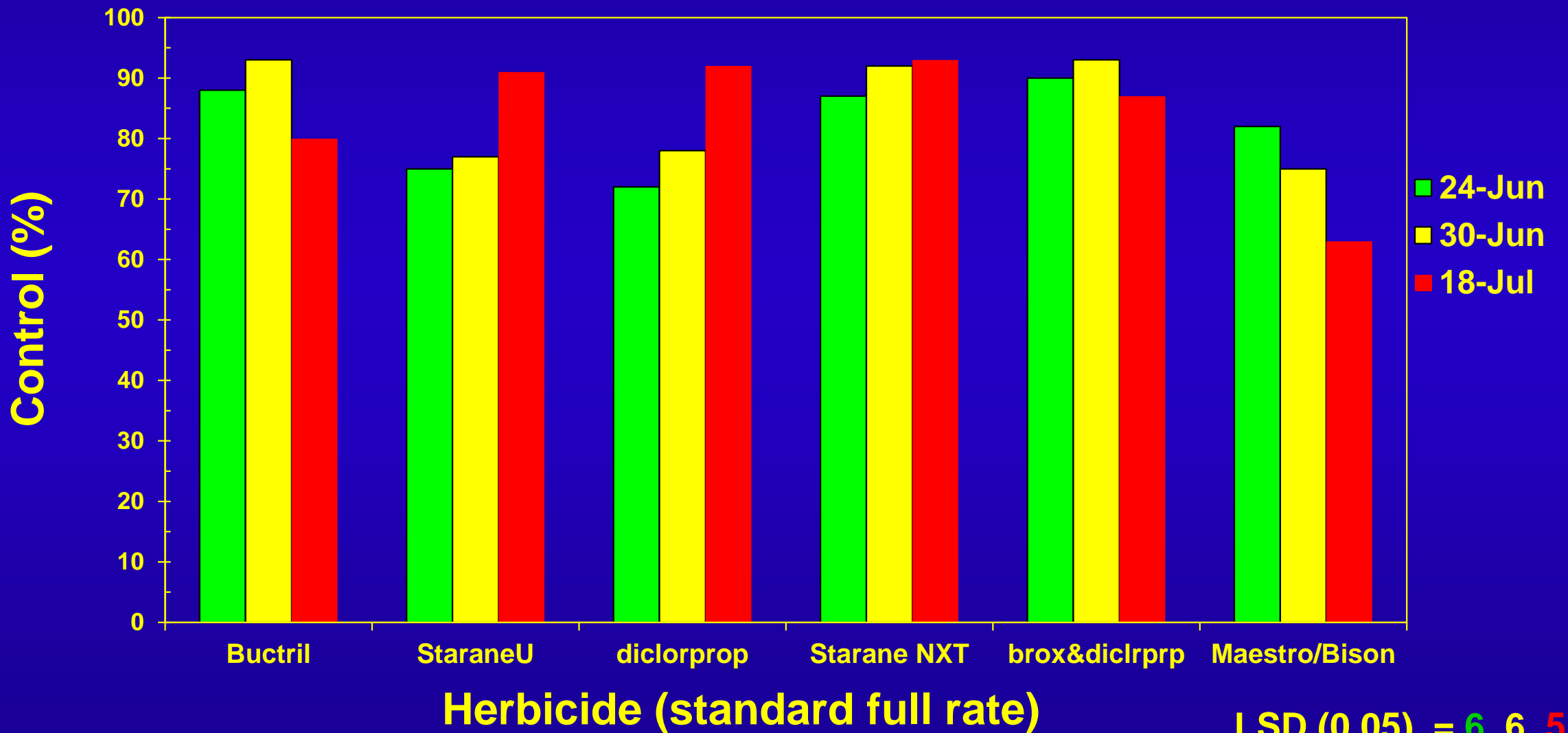


# Kochia Control for Wheat

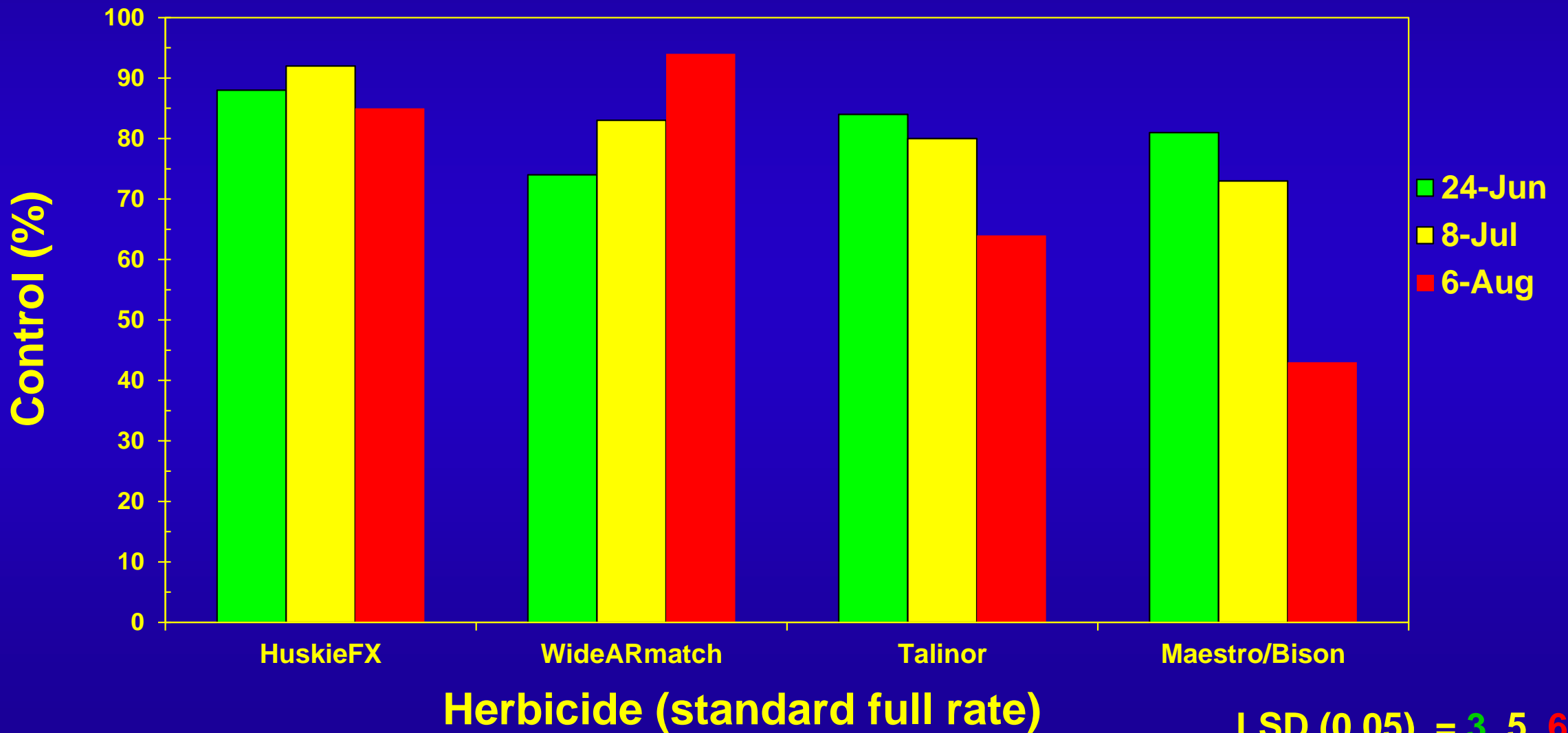


LSD (0.05) = 5, 6, 5

# Kochia Control for Wheat in Development



# Kochia Control for Wheat in Development



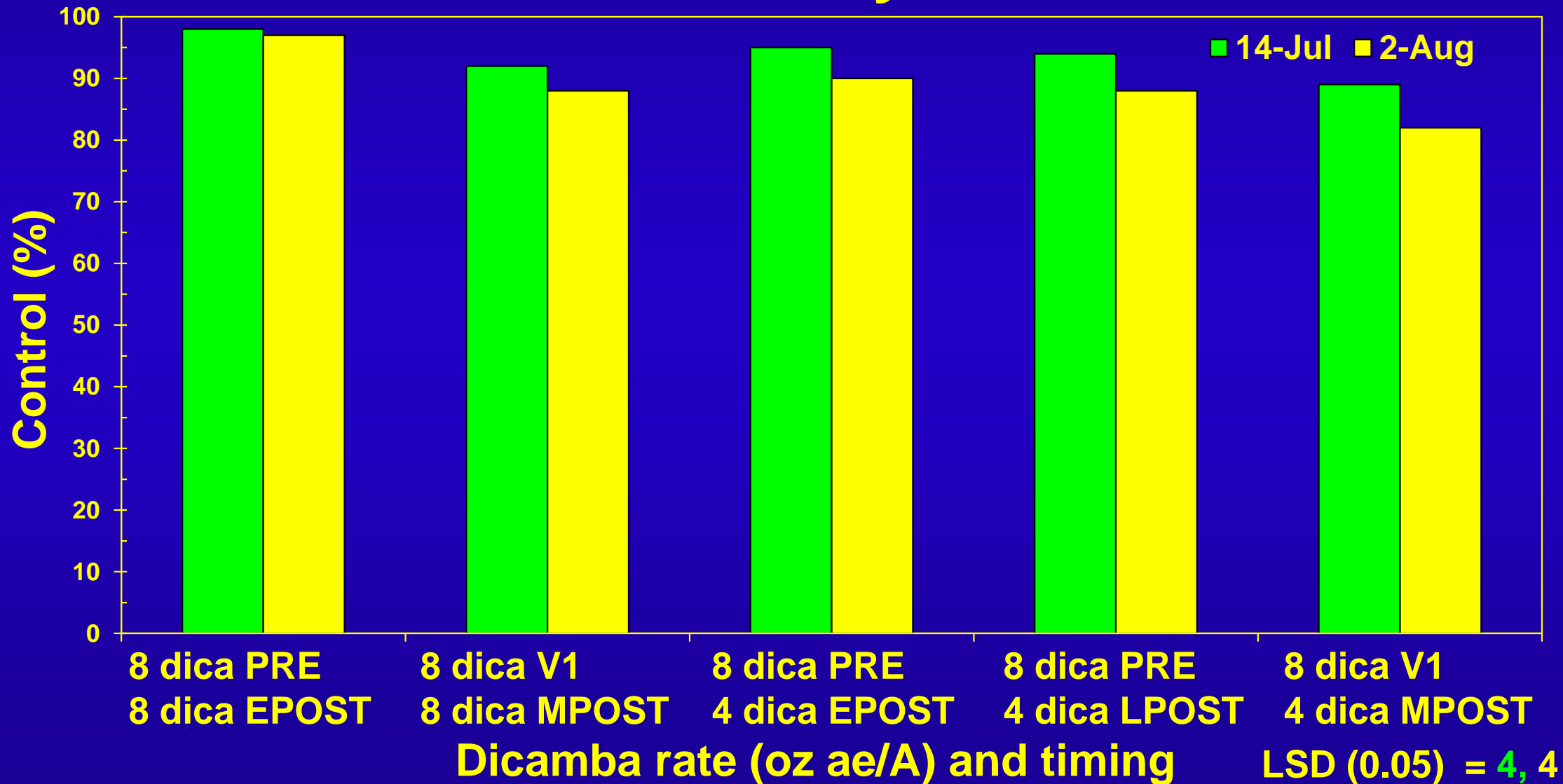
LSD (0.05) = 3, 5, 6



# GF-5036

- Spring 2024 launch
- Active ingredients/formulation:
  - topyralate + bromoxynil
  - HPPD (group 27) + PSII Inhibitor (group 6)
  - EC formulation
- Use rate of 11.0 – 14.7 fl oz/A
- Labeled POST emergence for wheat (spring, winter, durum) and barley
- Key product features:
  - Dual MOA broadleaf and foxtail herbicide
    - control of herbicide-resistant weeds including kochia and waterhemp
  - Excellent crop rotation flexibility

# Timing is important for dicamba control of kochia in no-till Xtend soybean



# Kochia

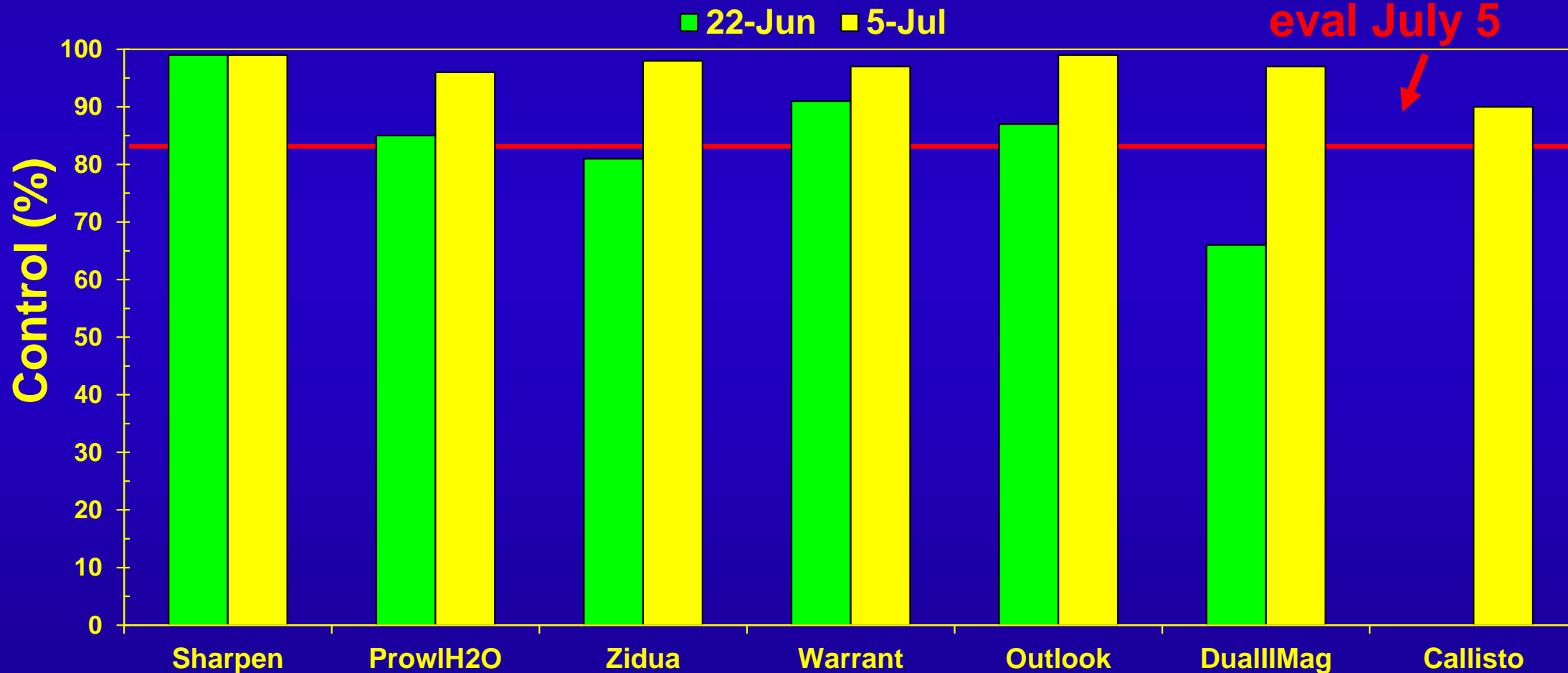
Is 80-85%  
control  
acceptable?



# Soil Herbicides for Waterhemp Control

**WARNING: several treatments not labeled**

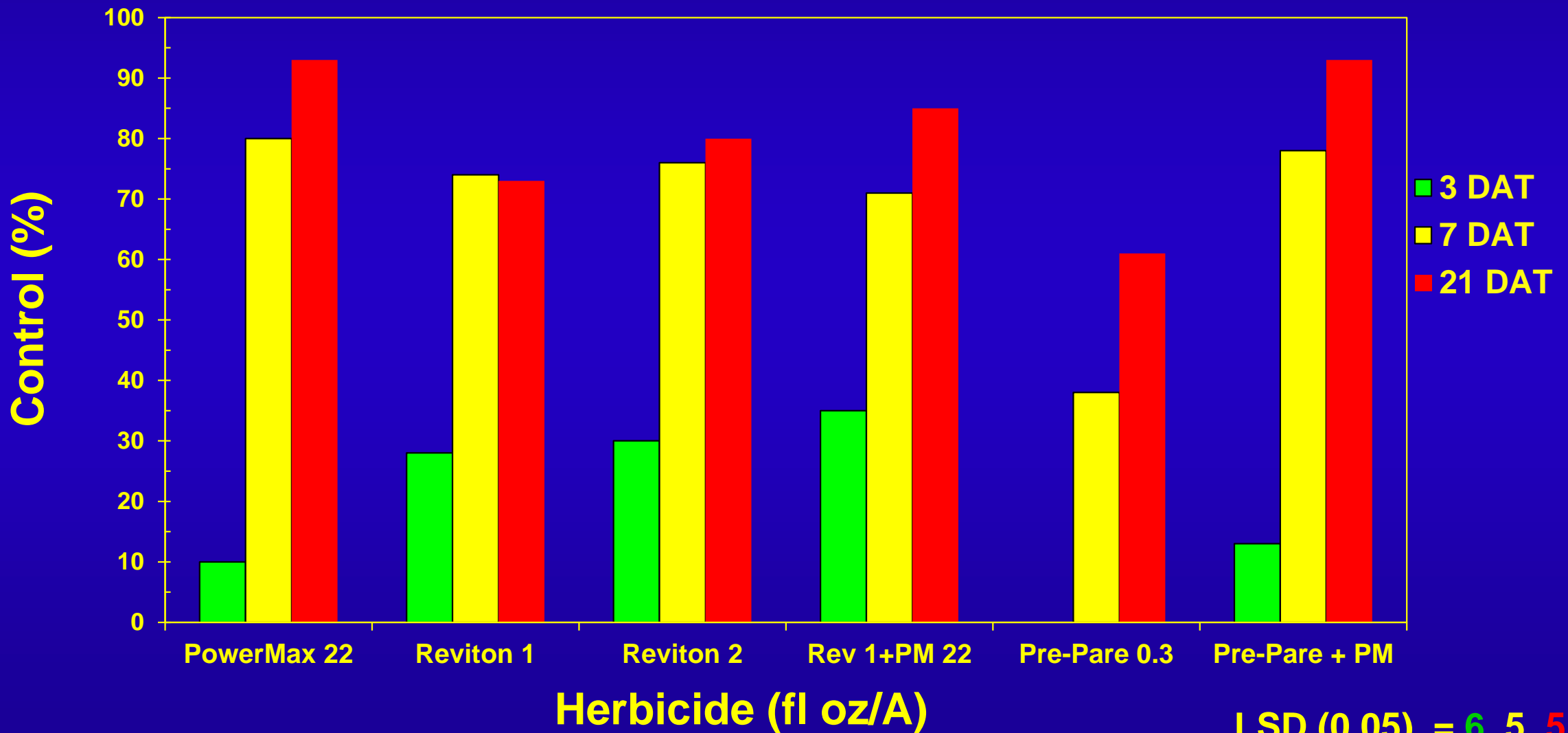
Huskie sprayed June 22,  
eval July 5



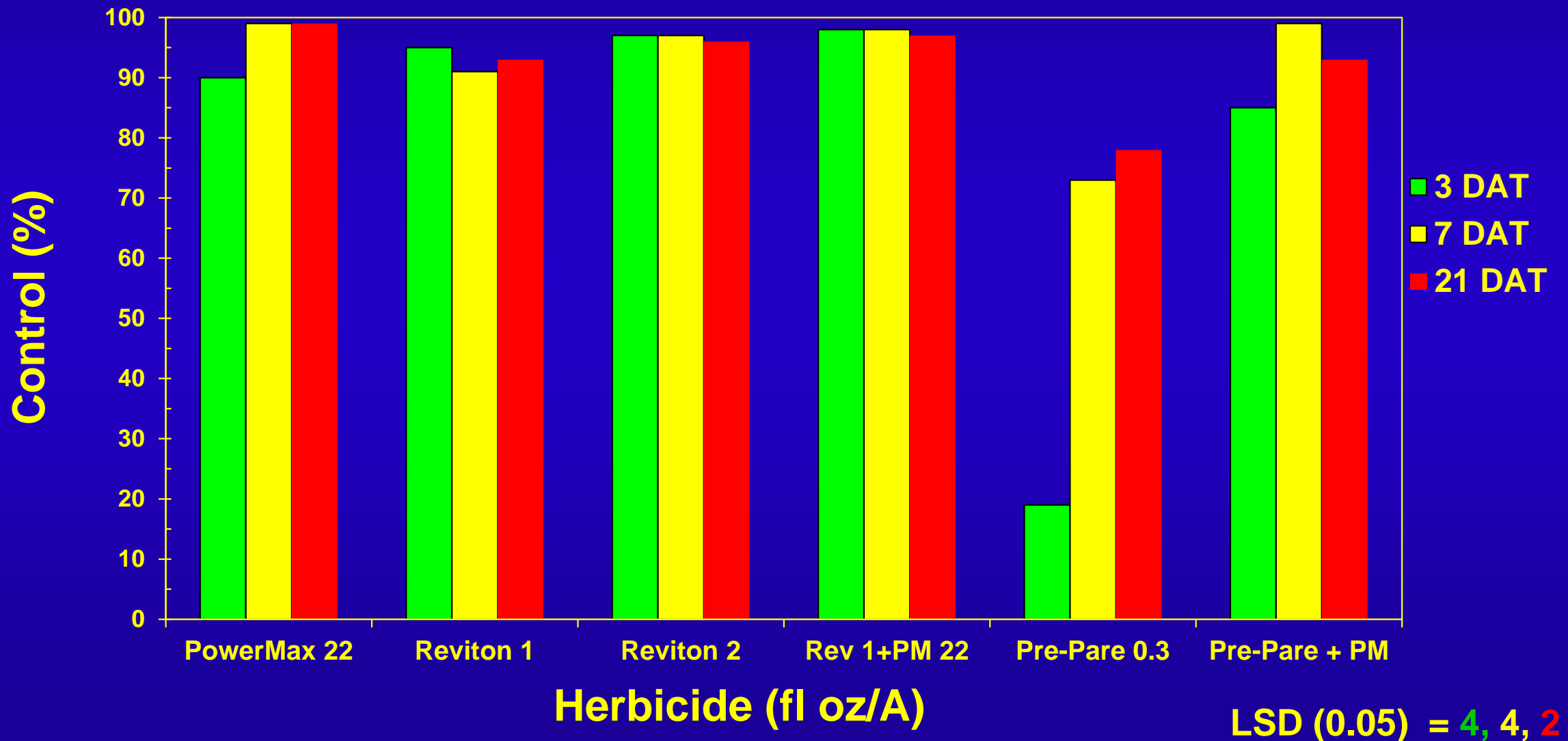
Herbicide

LSD (0.05) = 4, 3

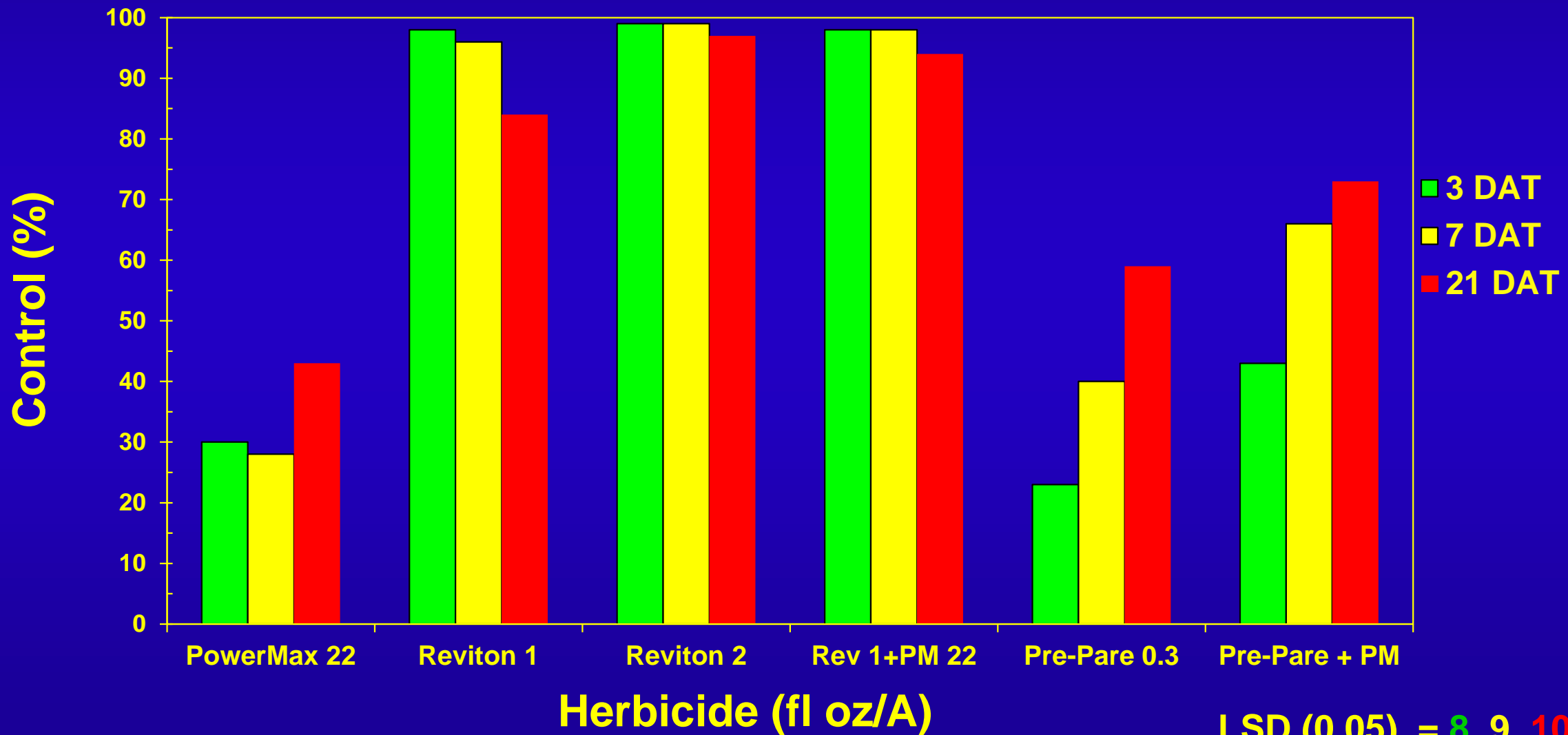
# Preplant Burndown with Reviton, wild oat



# Preplant Burndown with Reviton, yellow foxtail



# Preplant Burndown with Reviton, waterhemp



# Preplant Burndown with Reviton, volunteer soy

