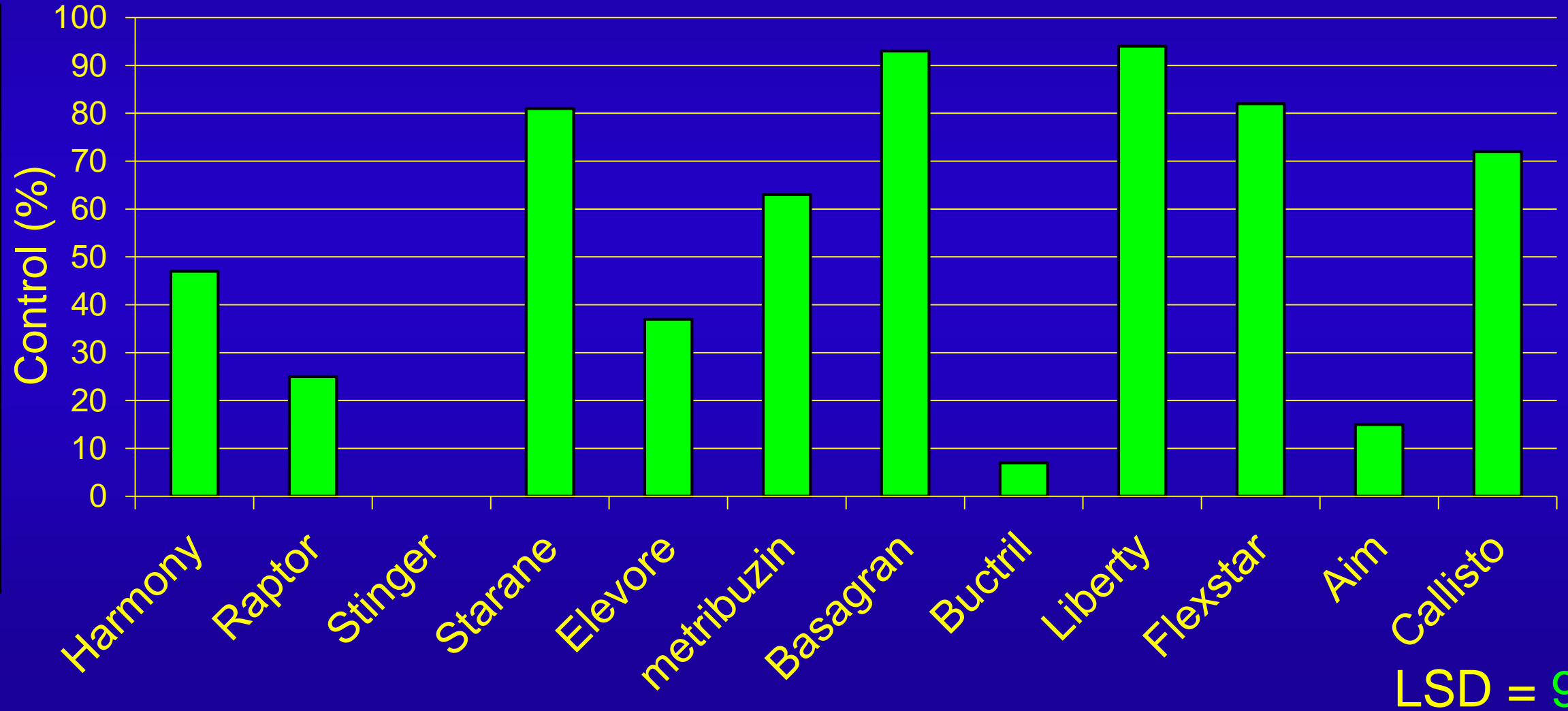






# Industrial Hemp Control in 2018





# Included in Joseph Mettler's Thesis

Stinger



Buctril





# ALS - shortened internodes

Harmony



Raptor





# Varying Degrees of Carnage

Callisto, metribuzin



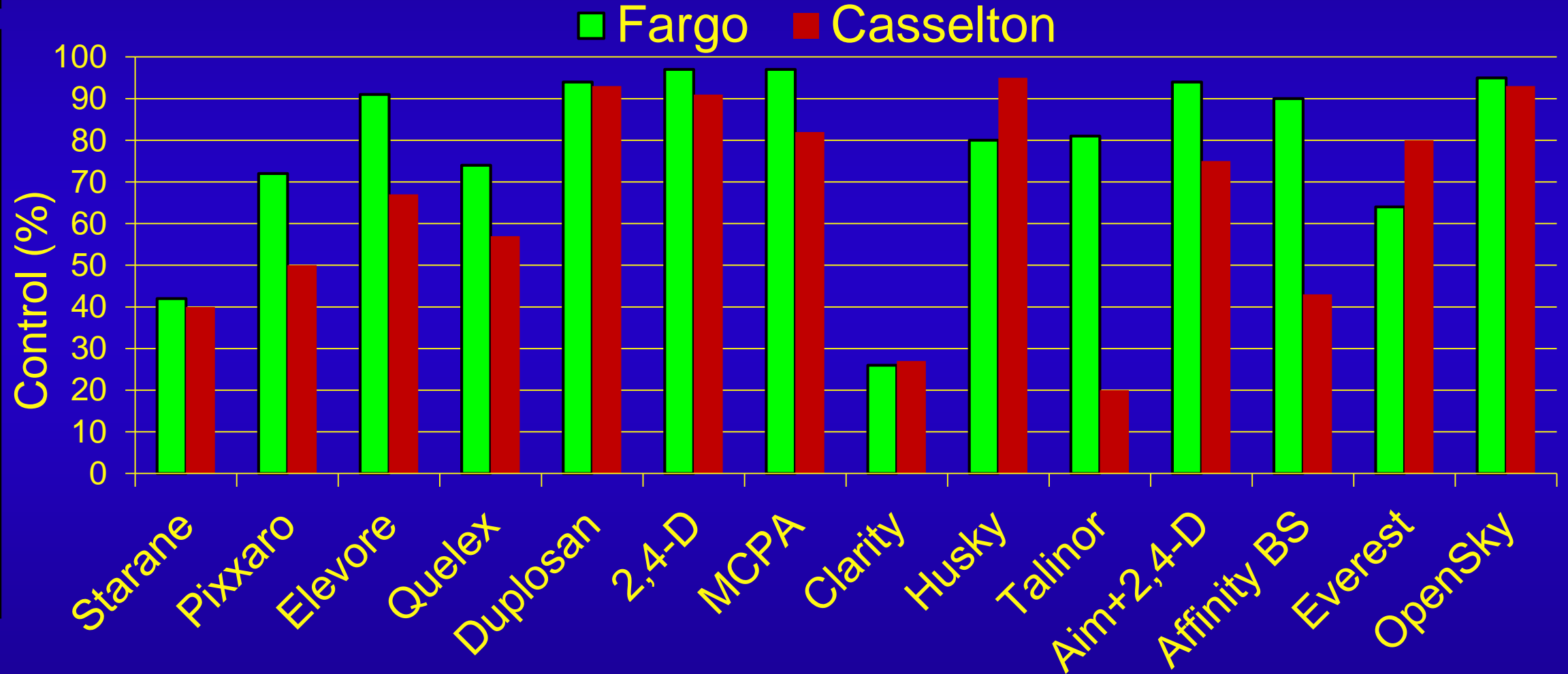
Flexstar



Liberty, Basagran



# Industrial Hemp Control in 2019

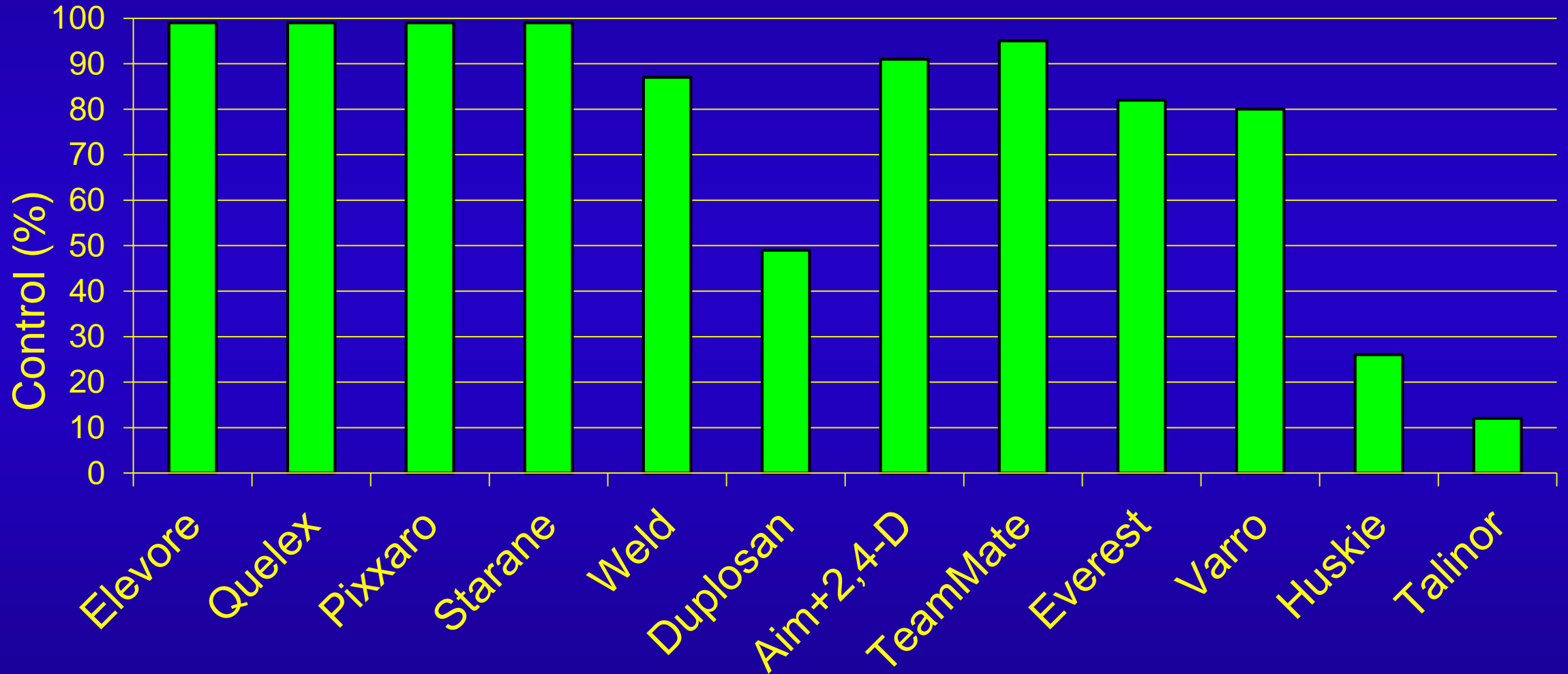


LSD = 9, 13





# Volunteer Flax Control in Wheat



LSD = 16



# Florasulam Antagonized Pigweed Control

Elevore

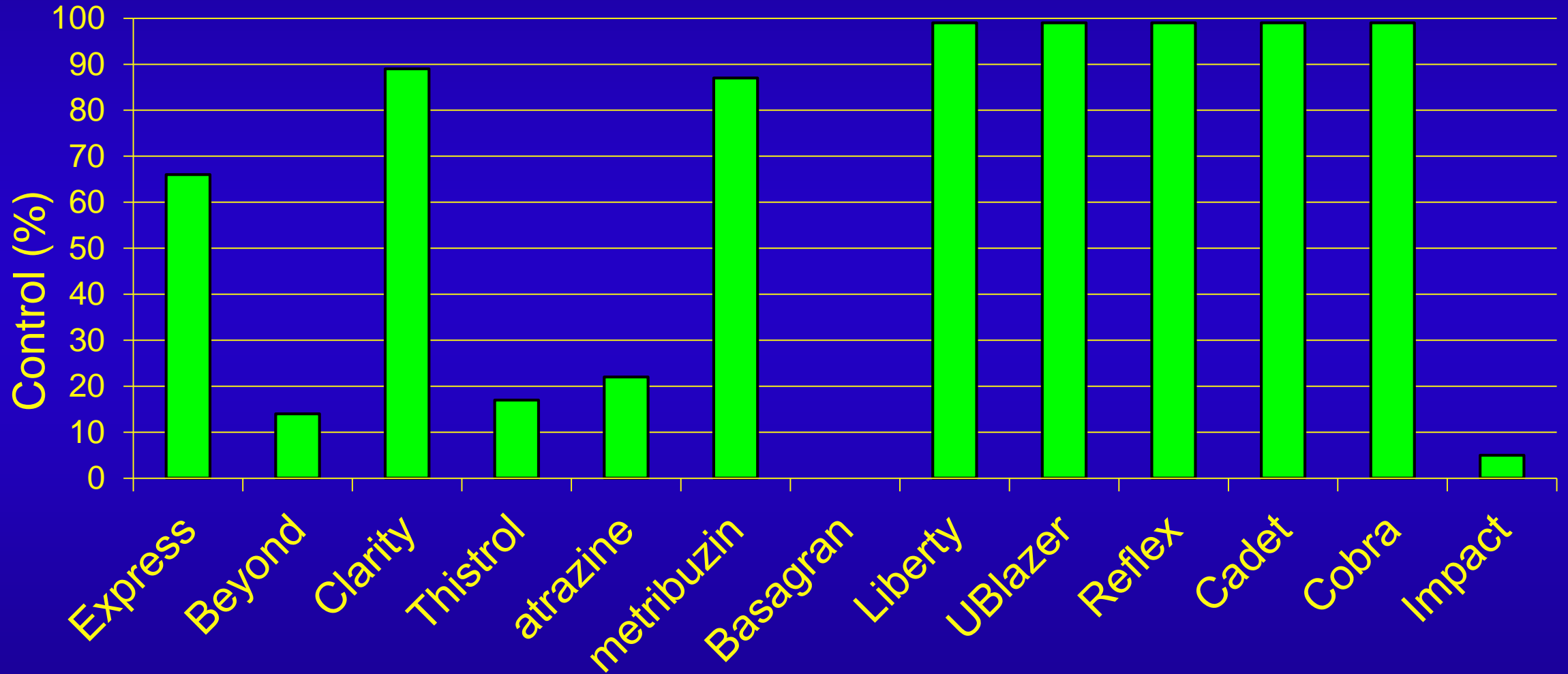


Quelex





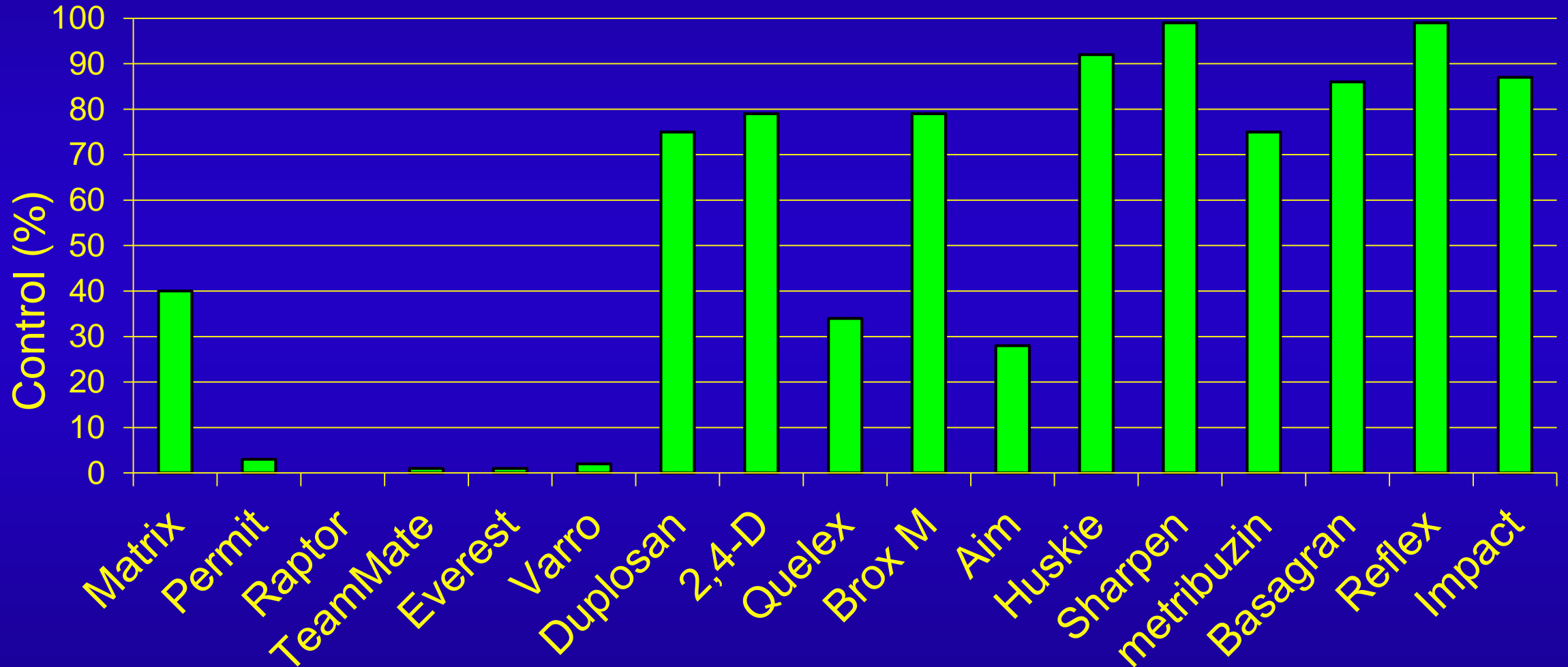
# Volunteer Flax Control in Row Crops



LSD = 10



# Volunteer SU Canola Control



LSD = 5



# Developed for Use with Draft

Accent, Permit, Raptor,  
TeamMate, Everest, Varro

Matrix





# Some plants continued to die

Duplosan, 2,4-D, Brox M



# Others recovered with time

Quelex





**Good**

Impact, metribuzin,  
Basagran



**Better**

Huskie



**Best**

Sharpen, Reflex





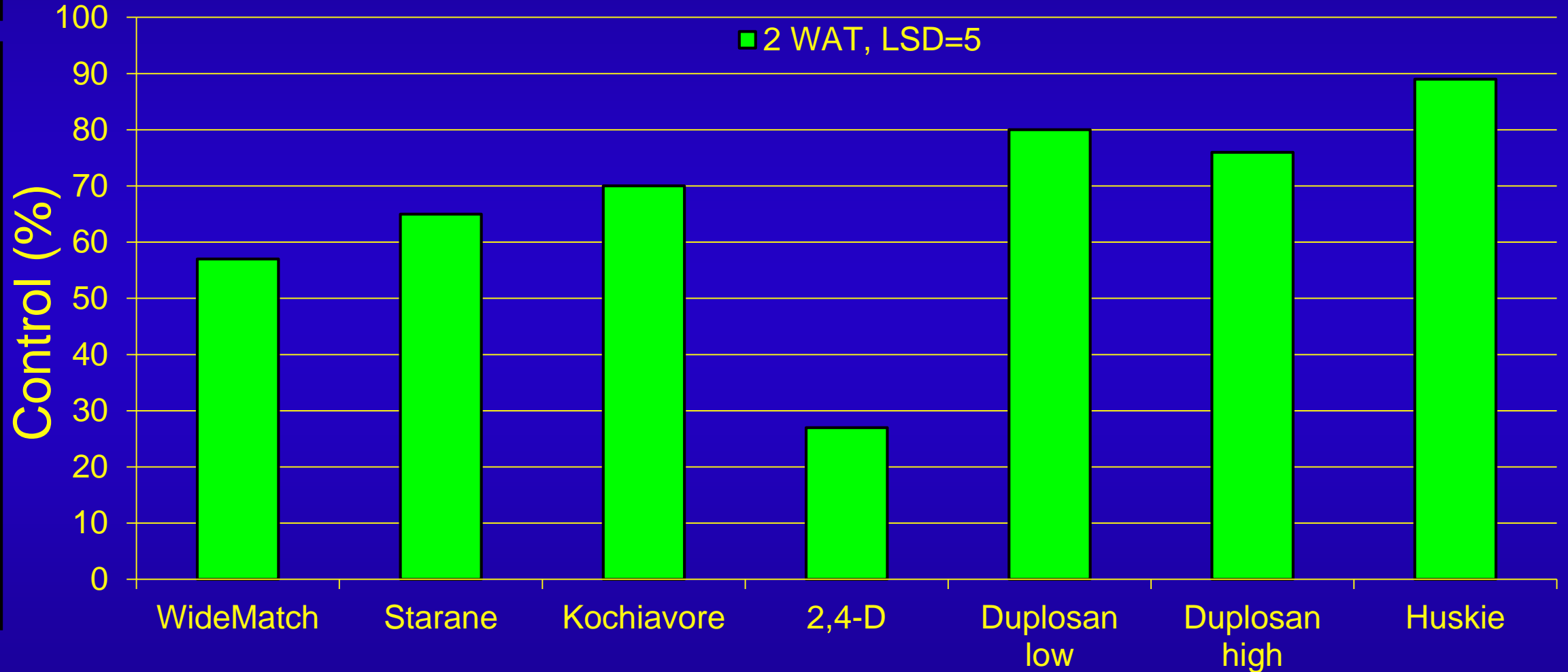
# So What is Duplosan?

- Dichlorprop-P
- Phenoxy herbicide
- Brush and woody plant control
- Controls Enlist<sup>®</sup> cotton
- Company developing other uses





# Kochia Control





**Starane**



**Duplosan**



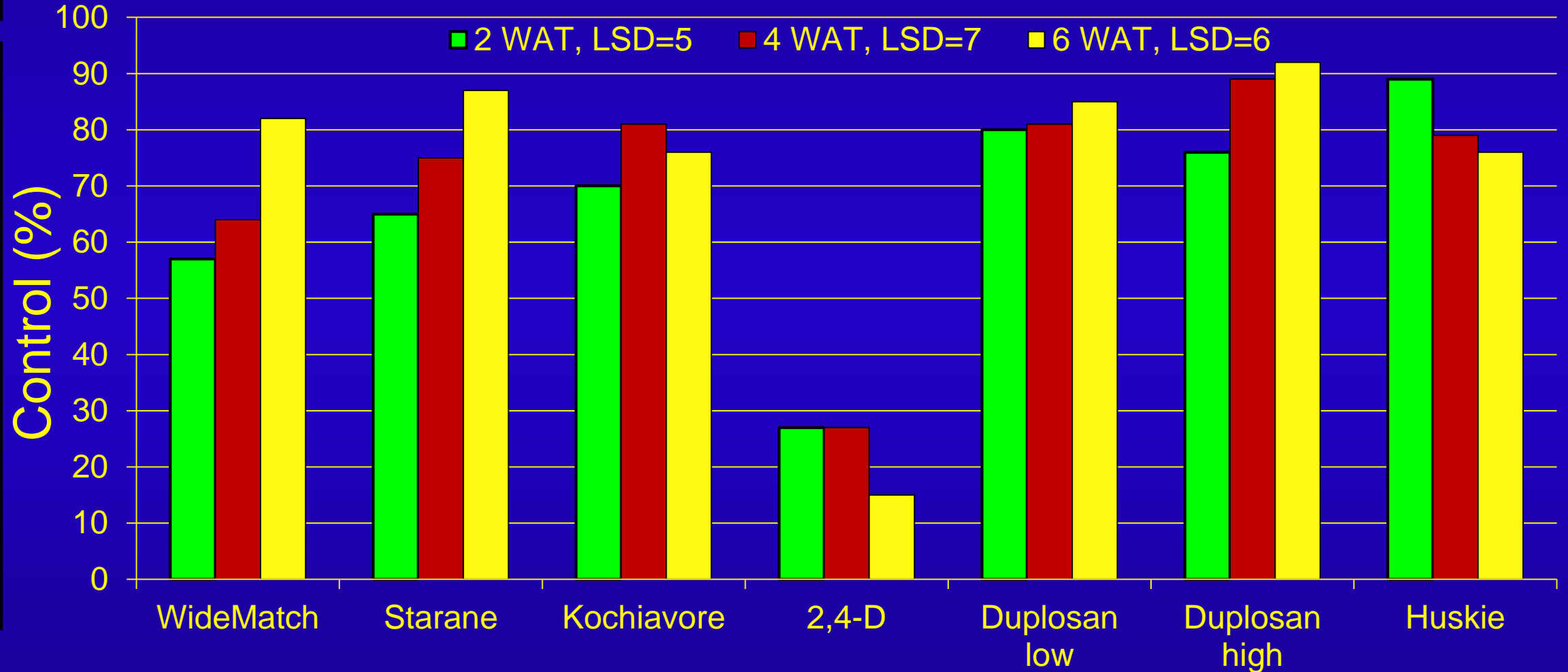


# Treatments with bromoxynil





# Kochia Control



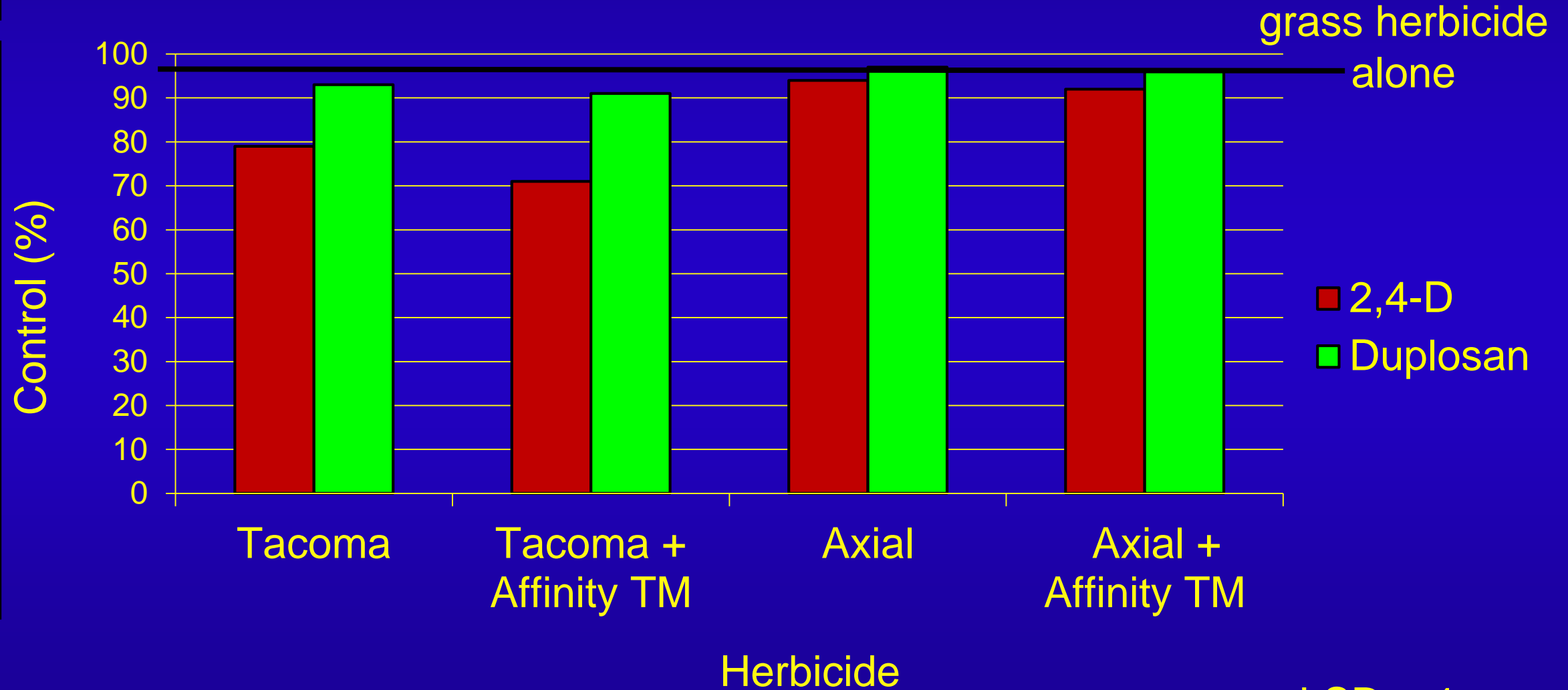


# Antagonism to Grass Herbicides

- **Separate trials for wild oat (2-3 leaf)  
and yellow foxtail (3 leaf)**
- **8.5 gpa**
- **Treatments**
  - **labeled rate of Tacoma or Axial**
  - **broadleaf herbicide**
    - **none**
    - **16 oz ae/A 2,4-D or Duplosan**
    - **phenoxy plus thifensulfuron and tribenuron**



# Wild Oat Control, three runs



LSD = 4



# Tacoma

+ 2,4-D

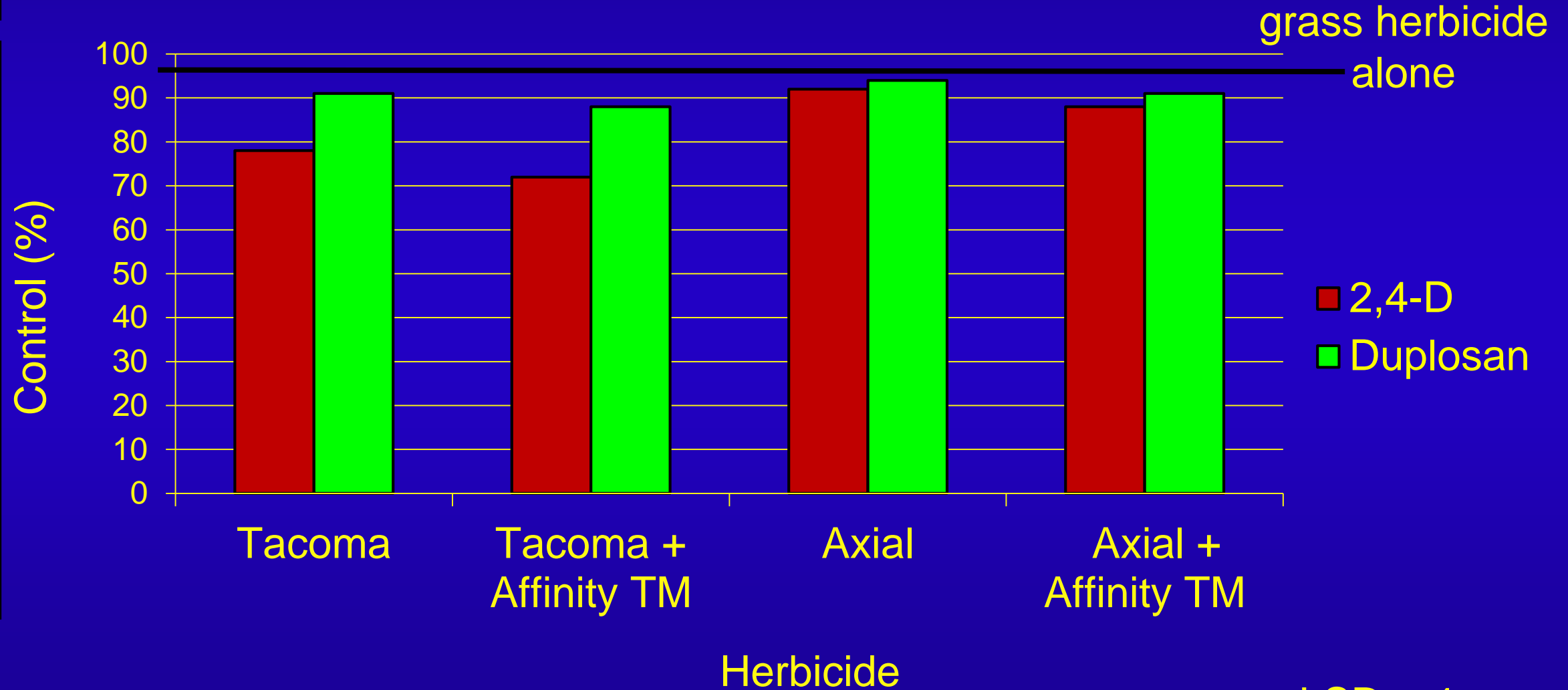


+ Duplosan





# Yellow Foxtail Control, three runs



LSD = 4



# Tacoma

+ 2,4-D

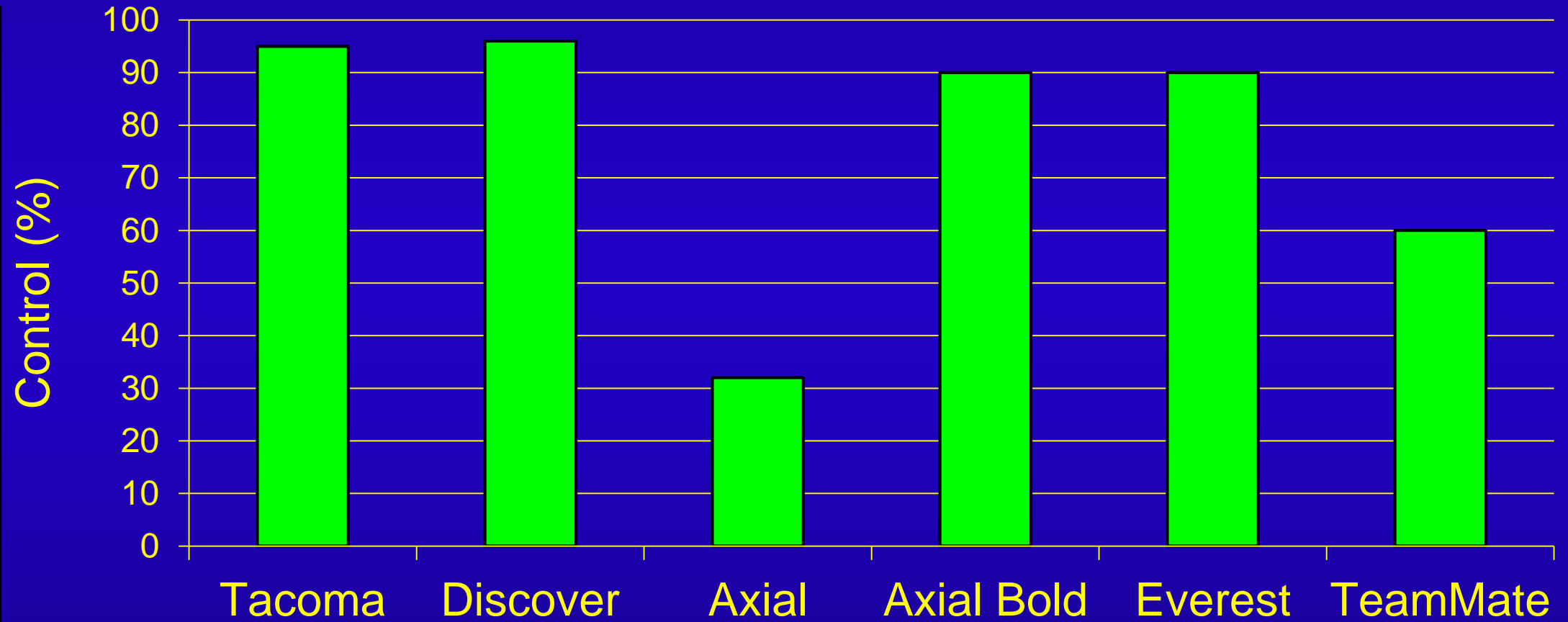


+ Duplosan



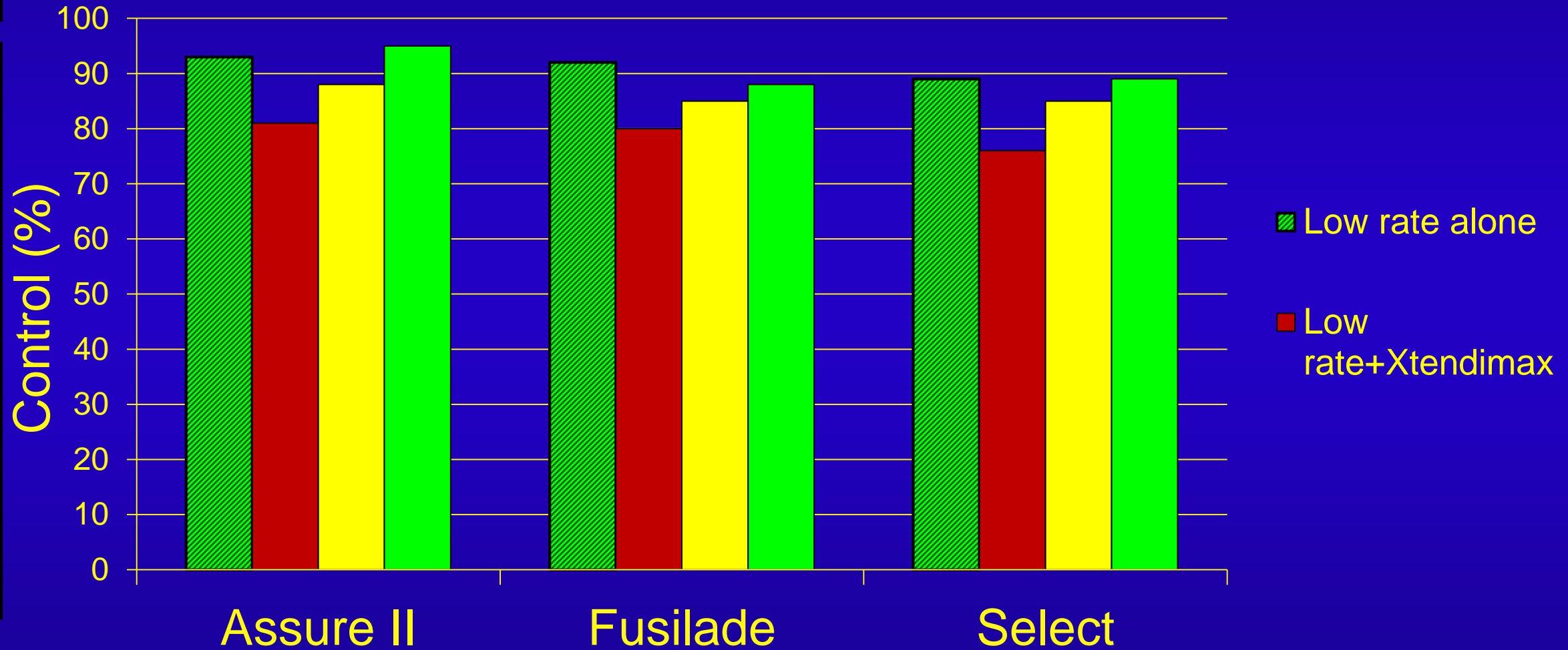


# Control of Volunteer Corn in Wheat





# RR Corn Control in Xtend Soybean



LSD = 3



**Assure II**

**+ Xtendimax**





**Fusilade**

**+ Xtendimax**





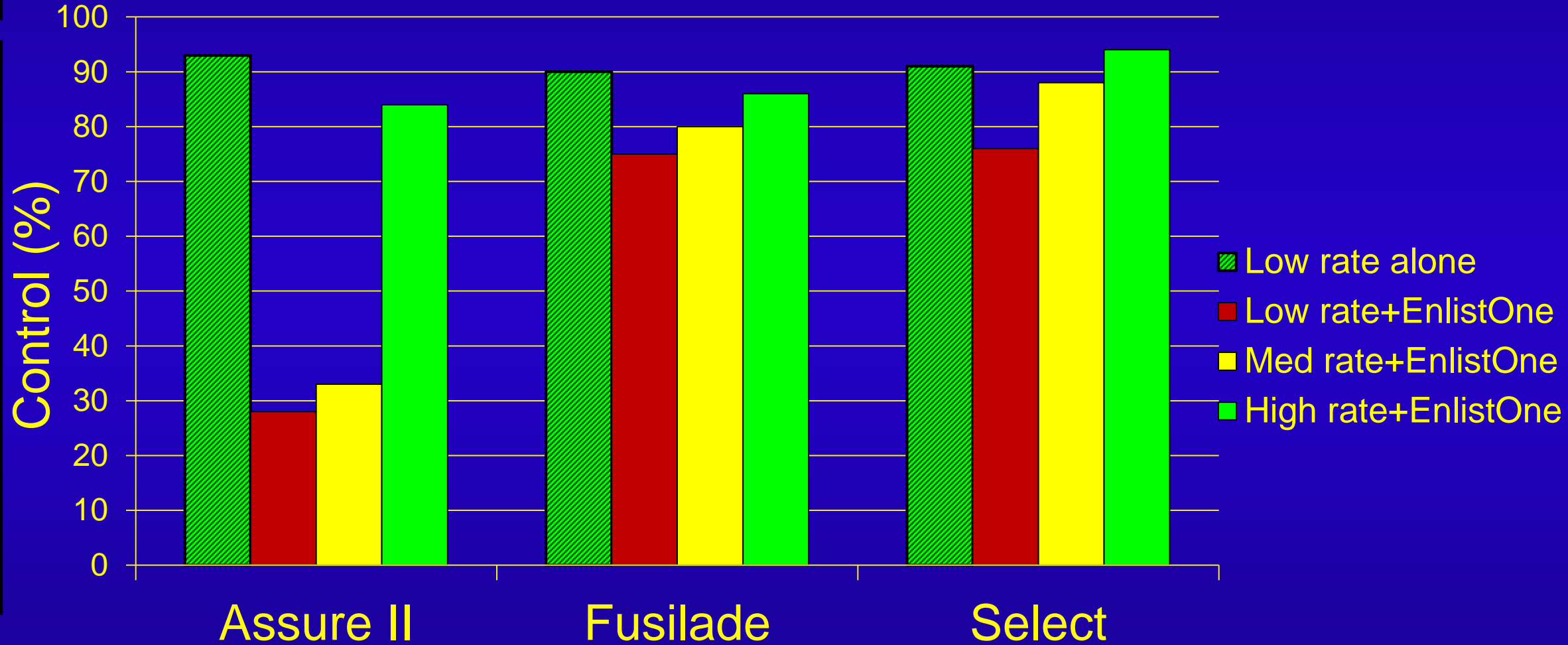
**Select**

**+ Xtendimax**





# RR Corn Control in Enlist Soybean





**Assure II**

**+ Enlist One**





**Fusilade**

**+ Enlist One**





**Select**

**+ Enlist One**





# In Review

- **Liberty, Basagran, and phenoxy herbicides kill hemp**
- **Elevore kills flax like Starane**
  - Better on pigweeds than Quelex
- **Sharpen as good as Reflex/Flexstar on vol. canola**
- **Duplosan great on kochia**
  - Similar to other phenoxy herbicides on many broadleaf weeds
  - Minimal grass herbicide antagonism
- **Use high grass herbicide rate with Xtendimax or Enlist One**