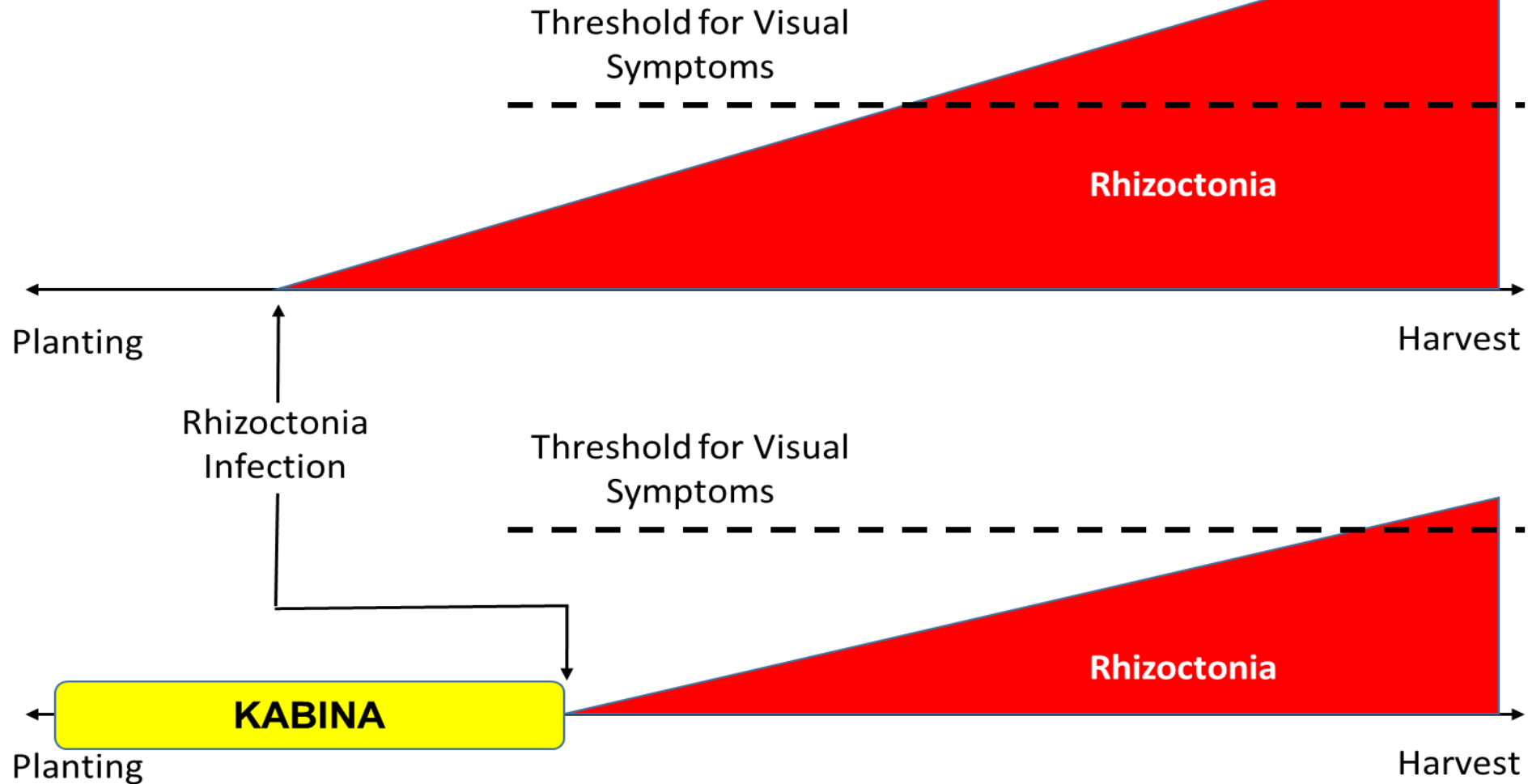
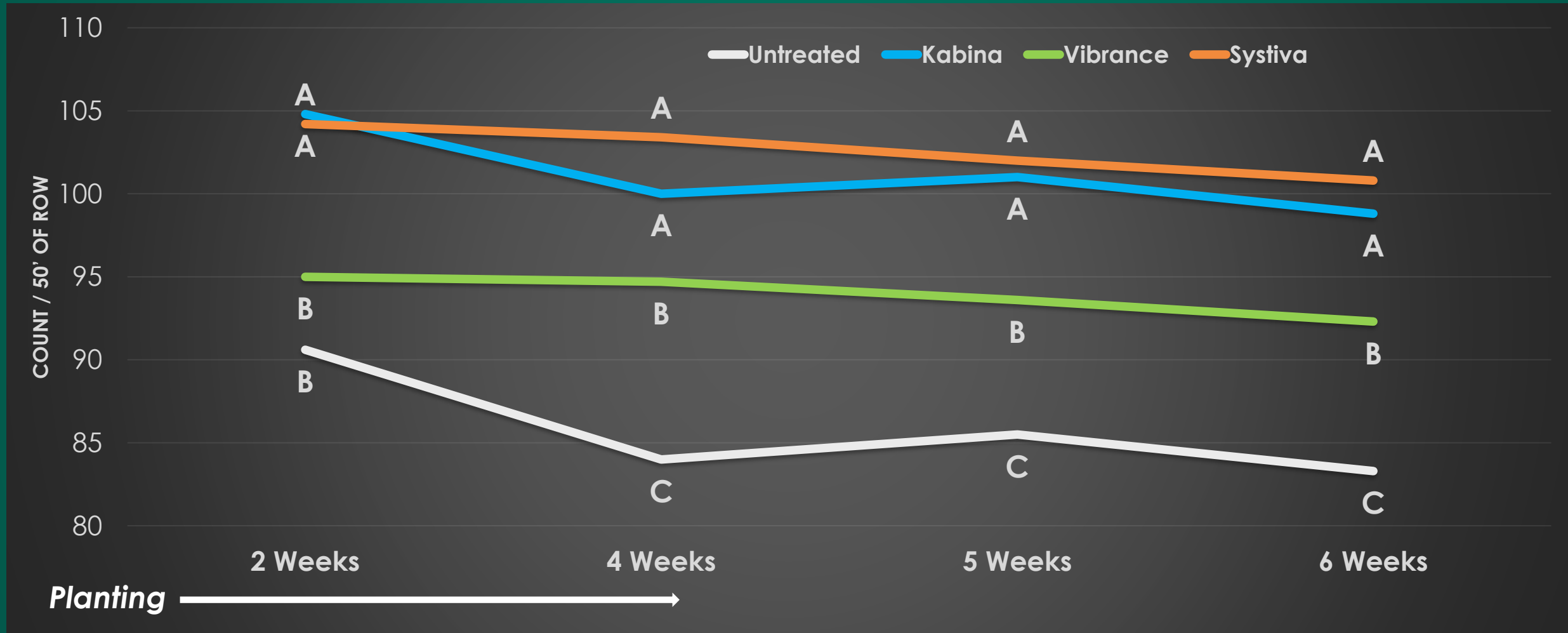


# Why Seed Treatments Work...



# Stand Counts (Seed Treatment) - 2016





# Seed Treatments at Work - 2015



**Untreated Check**



**Kabina**



# Seed Treatments at Work - 2016



**Untreated**



**Vibrance**



**Kabina**



**Systiva**



# Integrated Management Trial - 2015

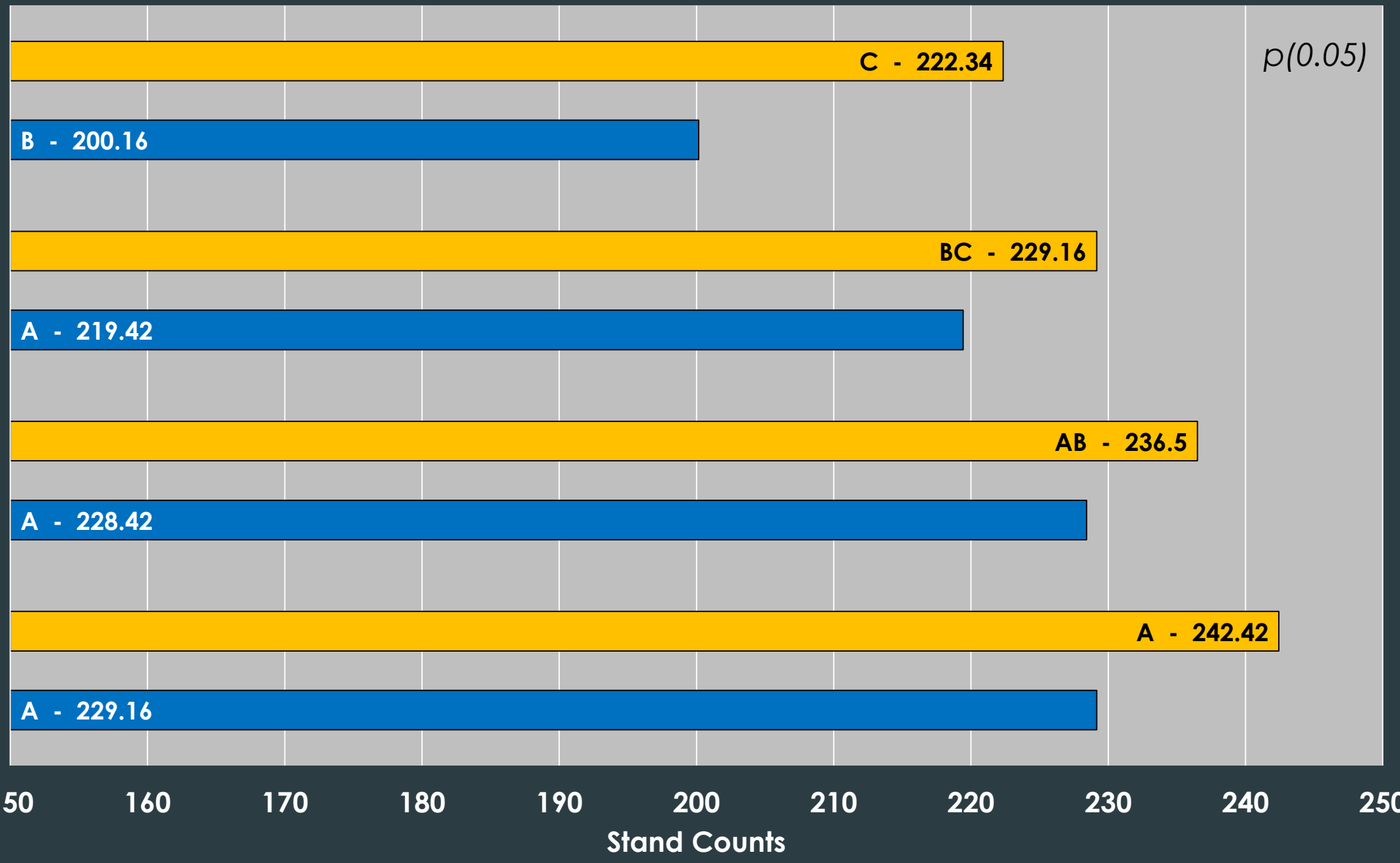


Variety	Rhizoc Rating (2-Yr mean)	Emerg. (2-Yr %)	Rev/Ton (2-Yr %)	Rev/Acre (2-Yr %)
Resistant (HM 4302RR)	3.4	71	103	99
Moderately Resistant (HM 9528RR)	4.0	75	105	106
Susceptible (HM 4303RR)	5.3	72	107	103

Data from American Crystal Sugar Company official variety trials (Niehaus, 2015)

Application	Product	Active ingredient	Rate
Control	None	None	-
Seed	Kabina	Penthiopyrad	14 g/unit
Seed	Vibrance	Sedaxane	2 g/unit
In-furrow	Quadris	Azoxystrobin	9.5 fl oz/A

Untreated Check



$p(0.05)$

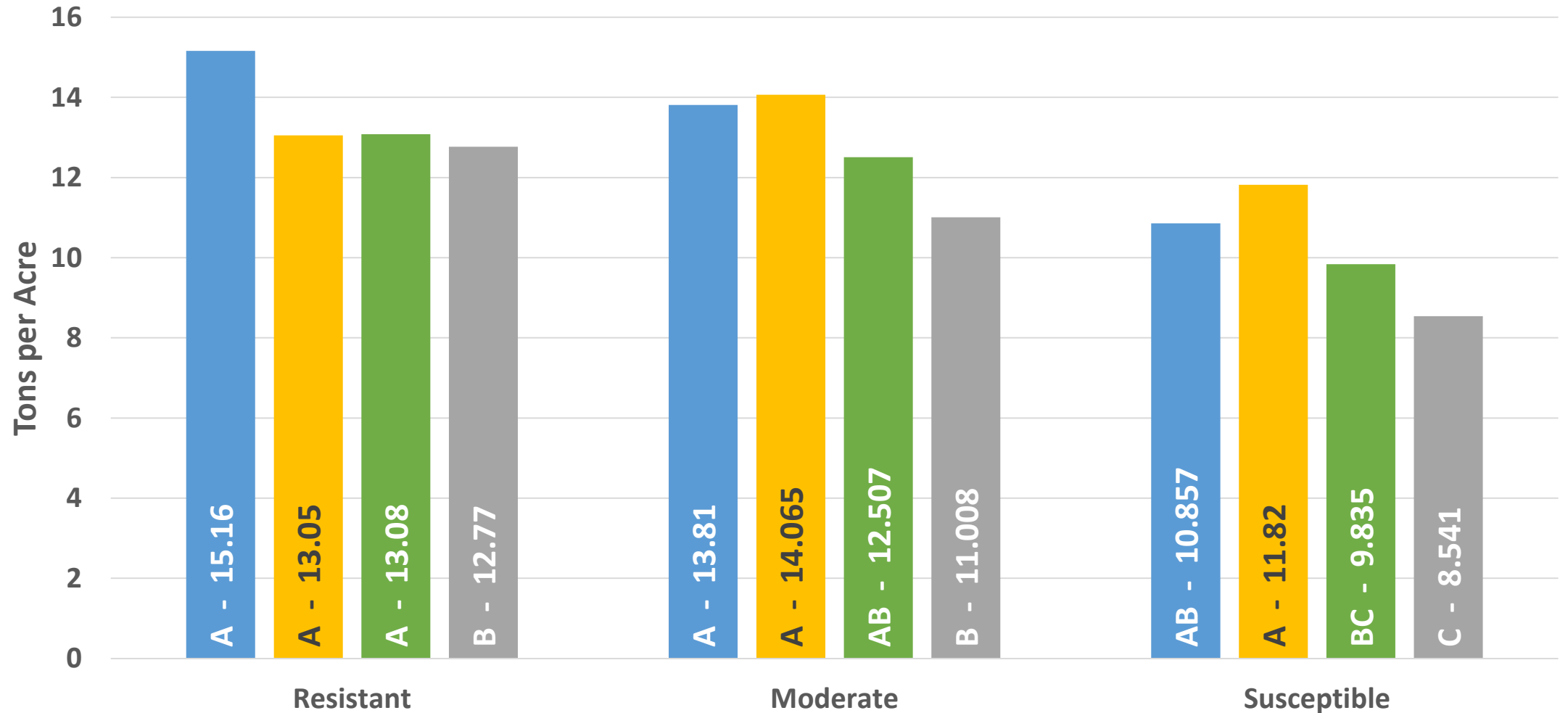
150 160 170 180 190 200 210 220 230 240 250

Stand Counts

2 Weeks 4 Weeks

*Every 10/beets per 100 ft of row is worth ~ \$35/A*

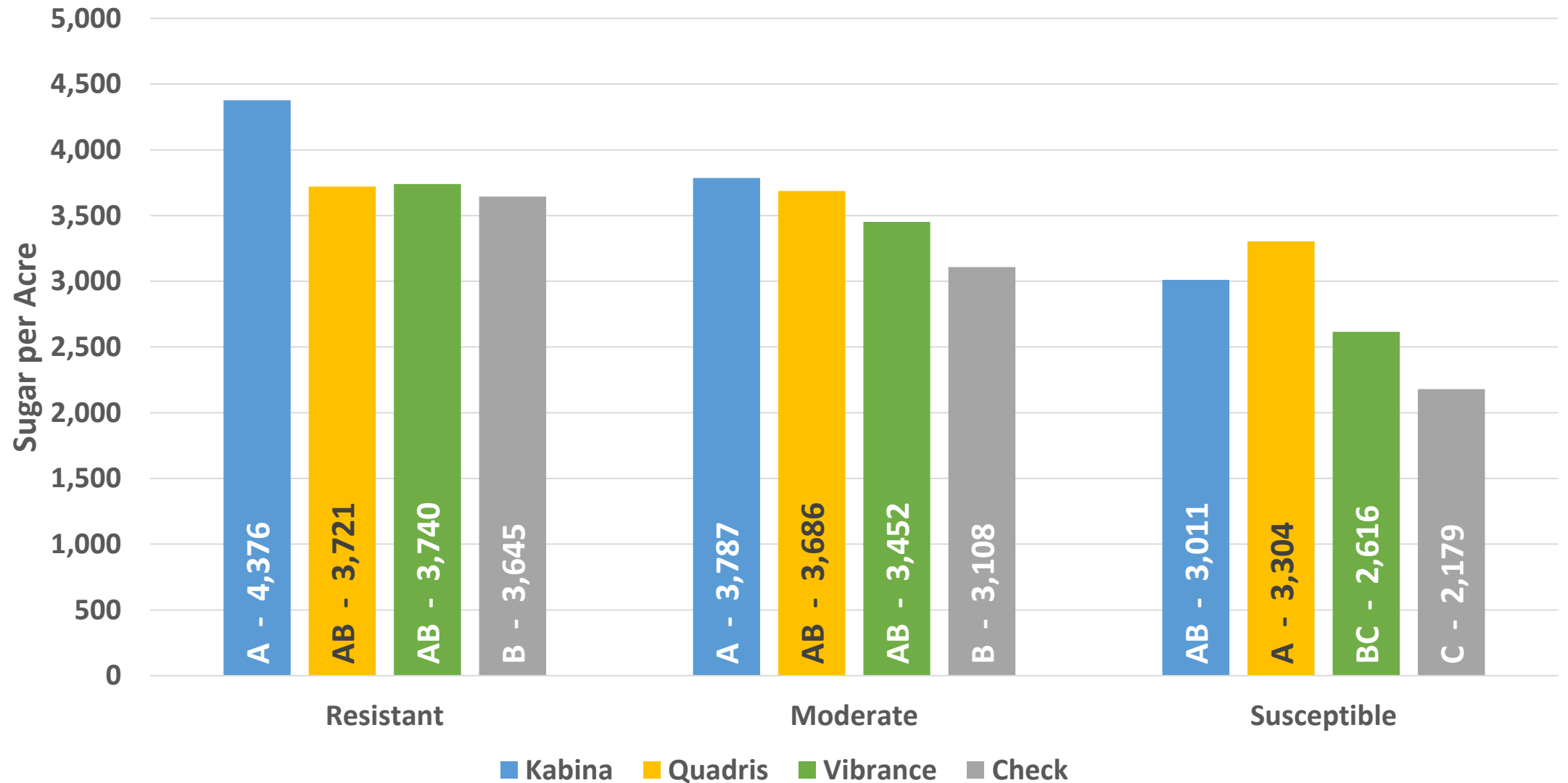
# Your Best Defense Against Rhizoctonia is Variety...



*p*(0.05)

■ Kabina ■ Quadris ■ Vibrance ■ Check

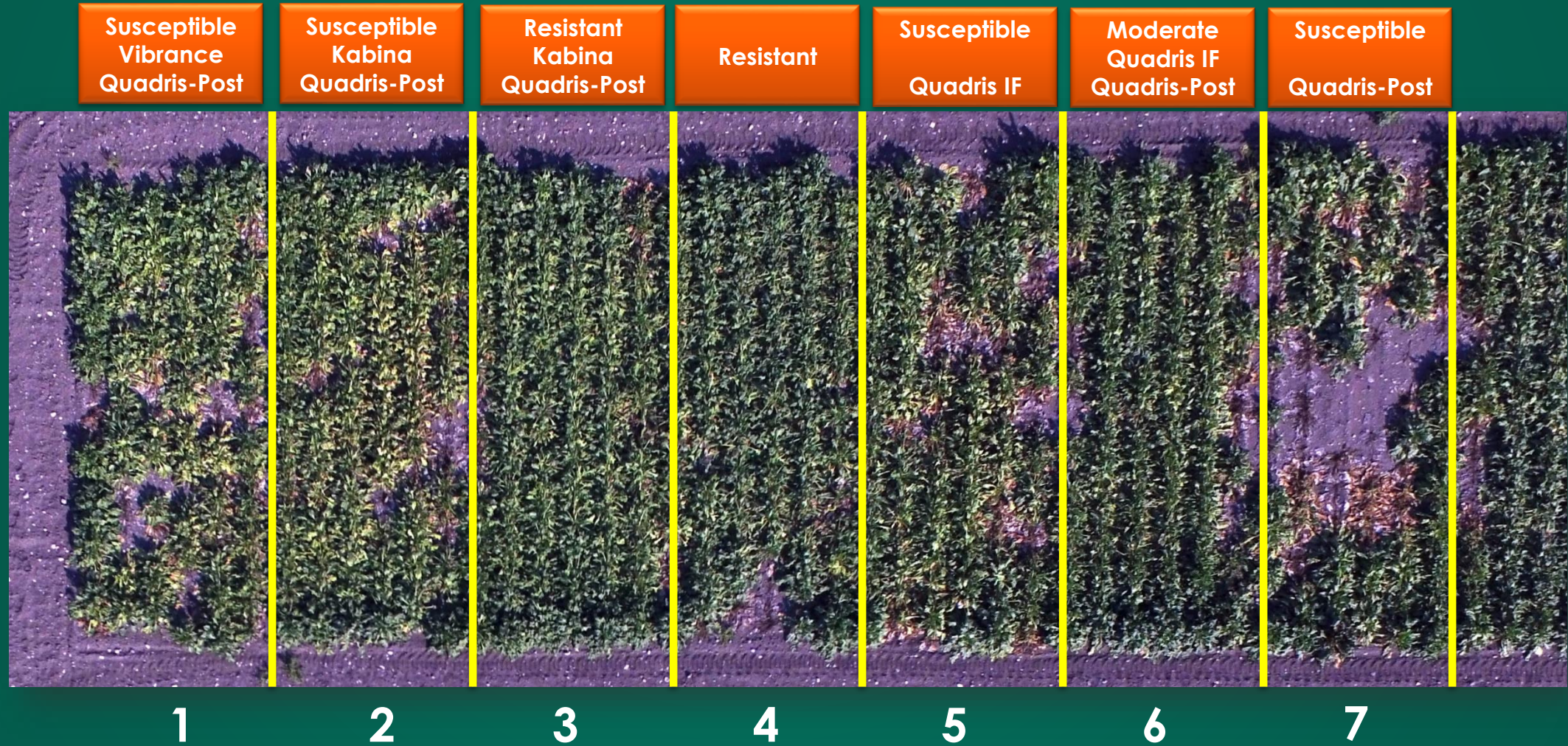
# Your Best Defense Against Rhizoctonia is Variety...



*p(0.05)*



# Proof is in the Pictures





# Garbage In – Garbage Out...

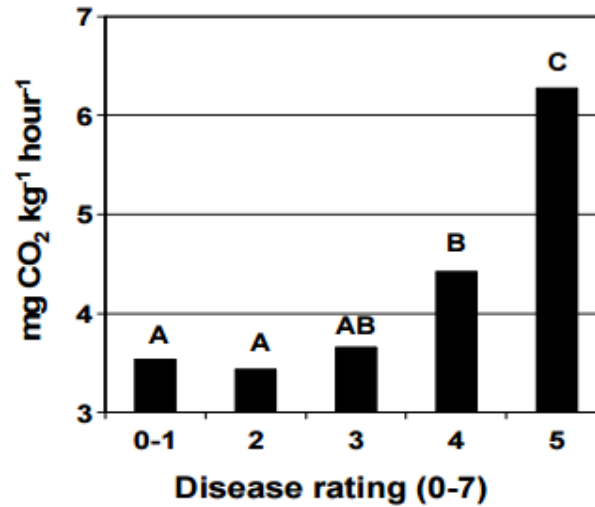
Variety	% Roots with Root Rot Rating > 2.0	Root Rot Rating (0-7)
Resistant	6 b	0.4 b
Moderately Resistant	10 b	0.7 a
Susceptible	16 a	0.9 a

## Disease Rating

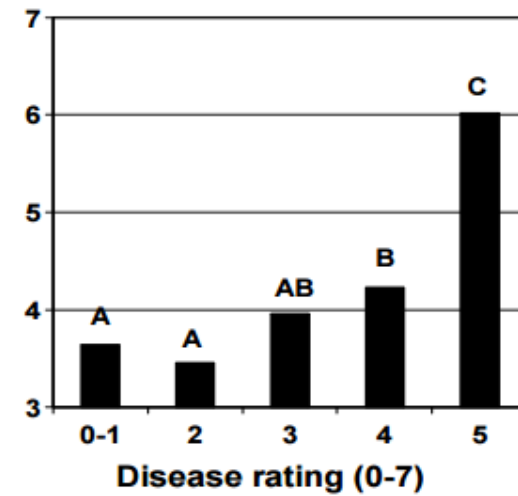


1 2 3 4 5

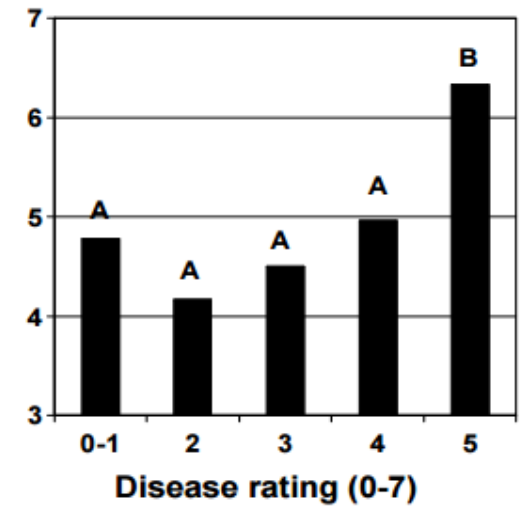
Respiration rate, 30 DAH



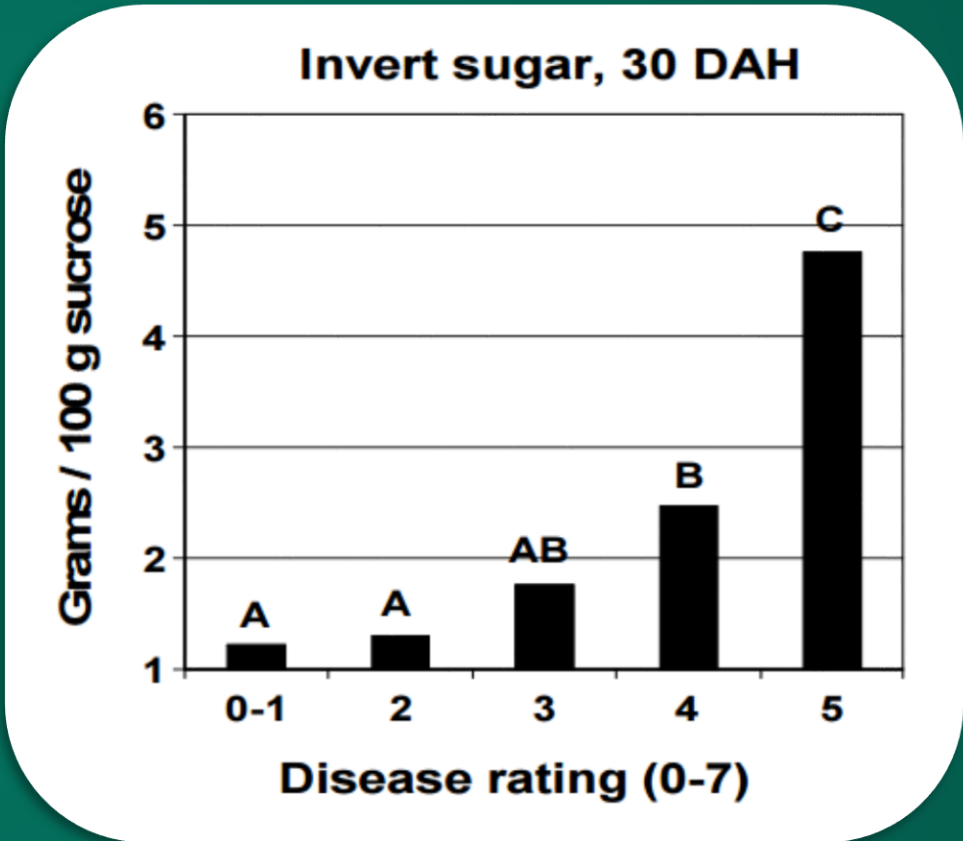
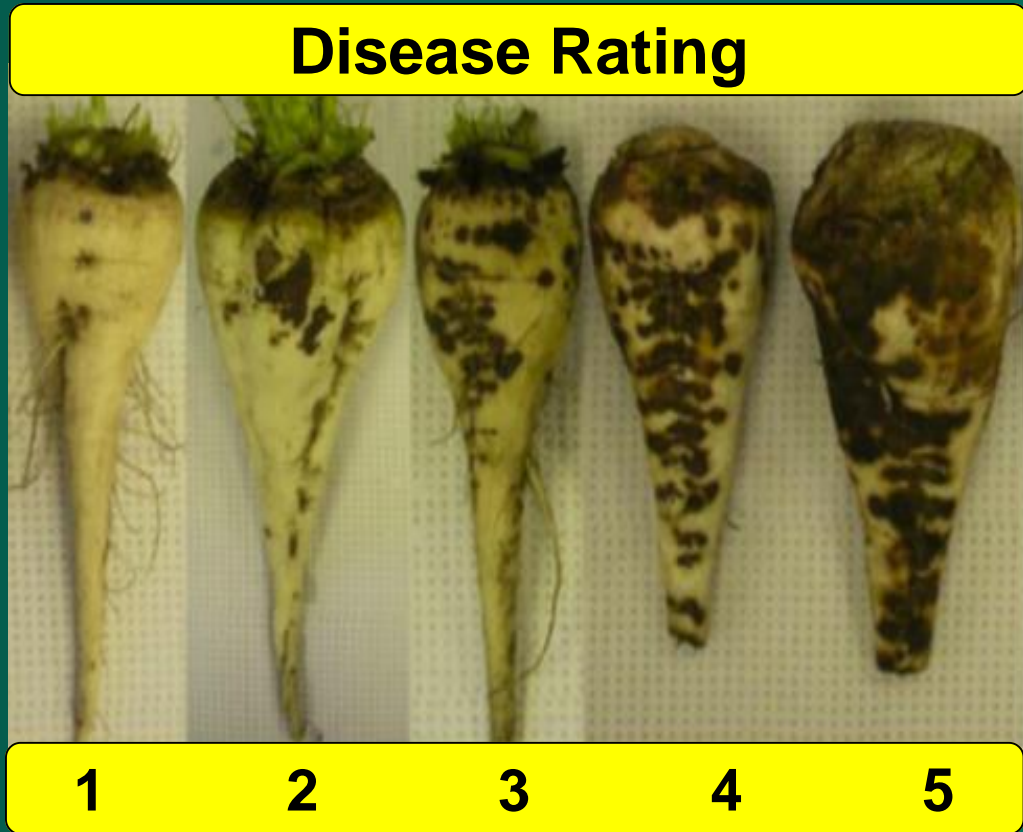
Respiration rate, 60 DAH



Respiration rate, 90 DAH



# Garbage In – Garbage Out...





# Sugarbeet Diseases

## So What's the Impact???

