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CANARYSEED AGRONOMY in 2012



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Agriculture and Agri-food Canada

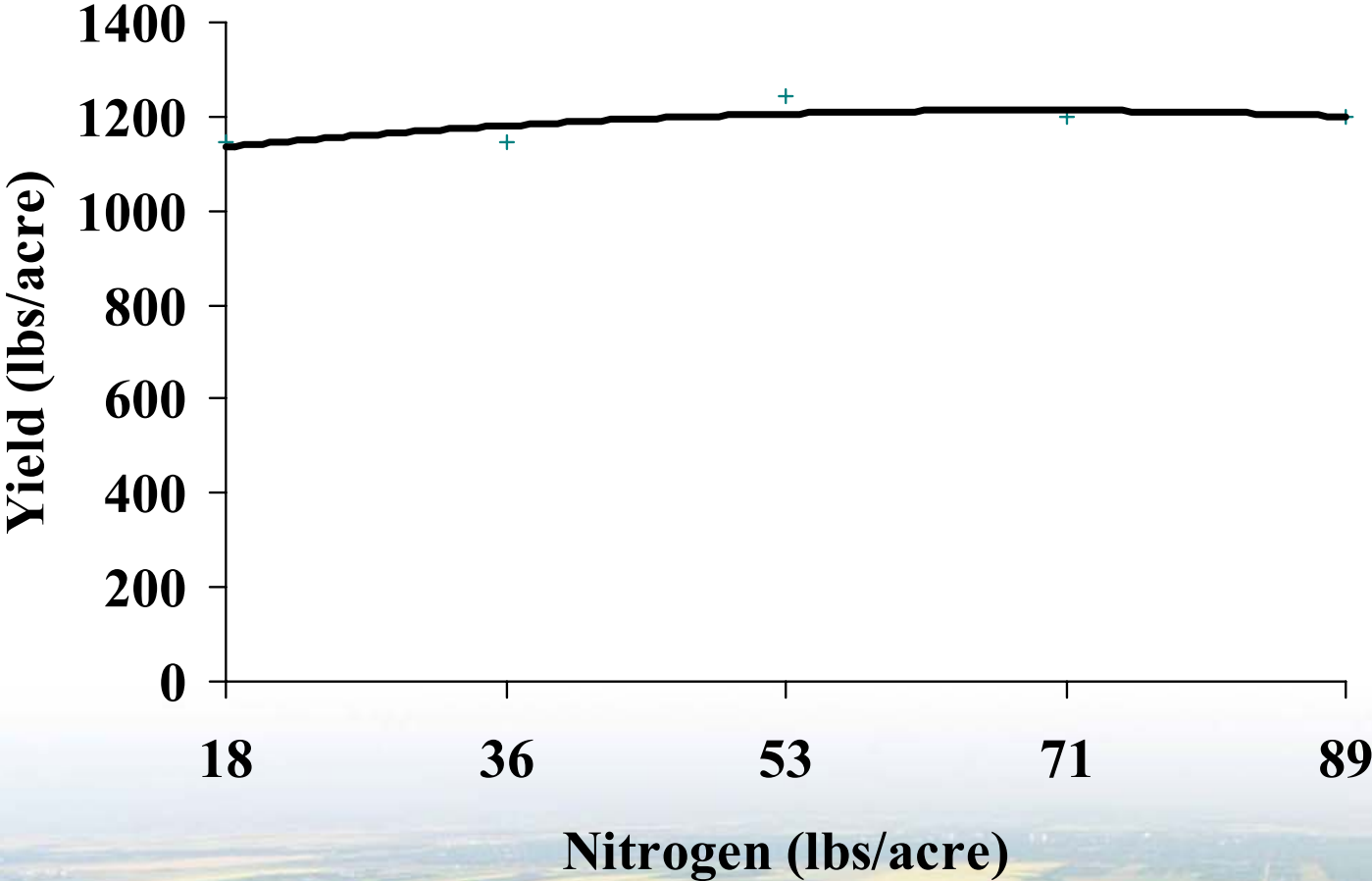
Indian Head Agricultural Research Foundation



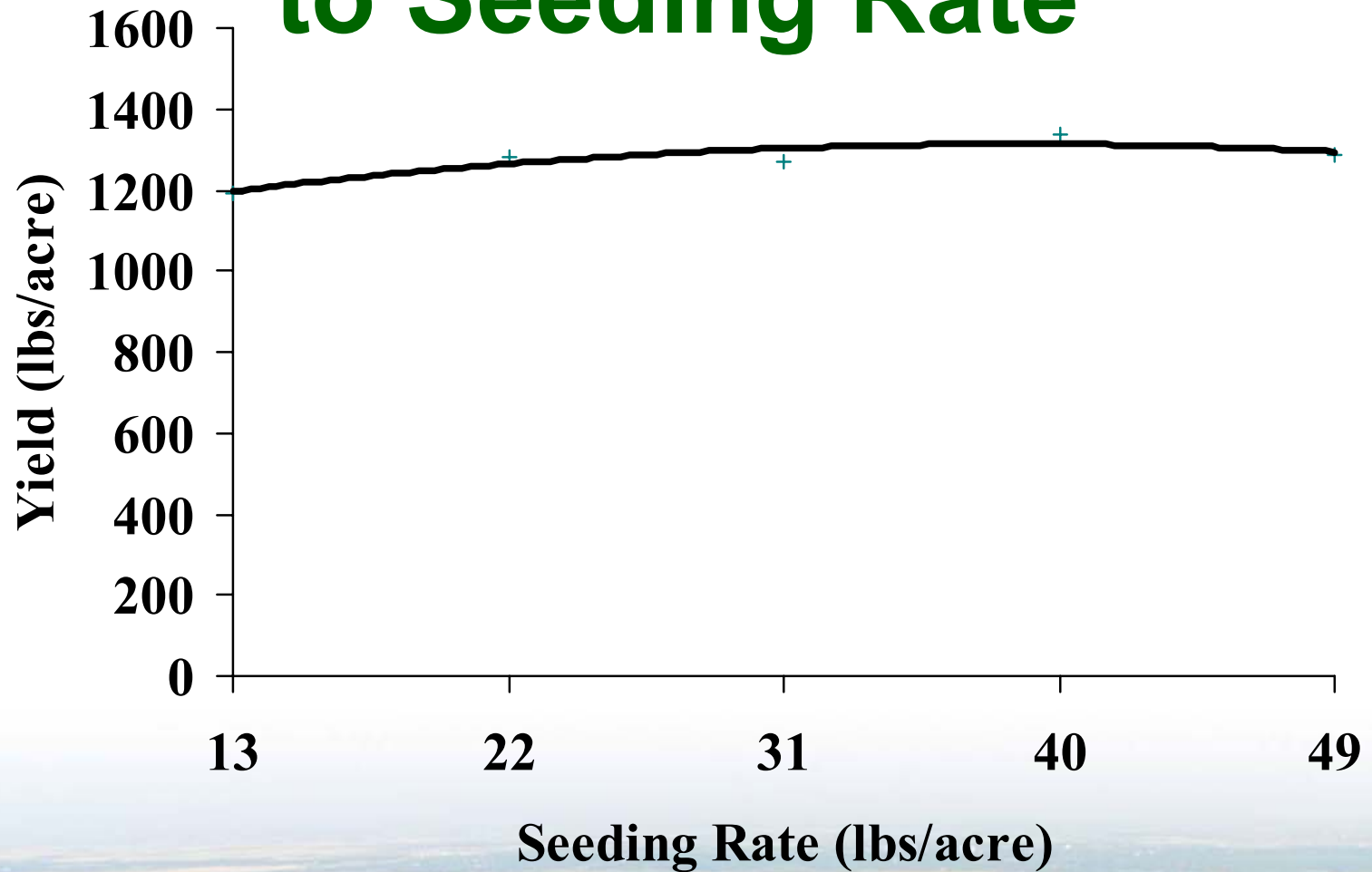
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INDIAN HEAD AGRICULTURAL RESEARCH FOUNDATION

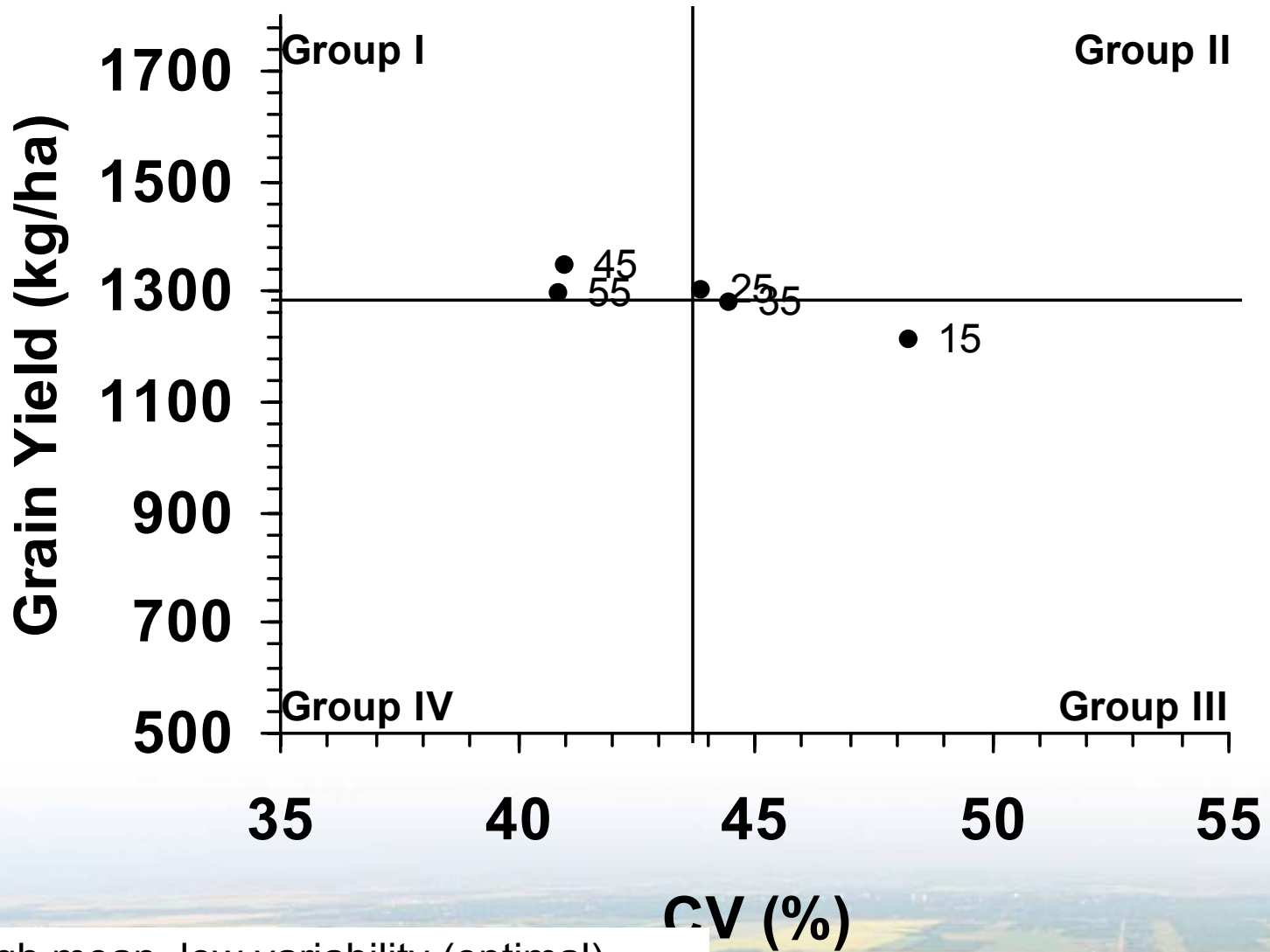
Canaryseed Yield Response to Nitrogen Rate



Canaryseed Yield Response to Seeding Rate



Seeding Rates



Group I: High mean, low variability (optimal)

Group II: High mean, high variability

Group III: Low mean, high variability (poor)

Group IV: Low mean, low variability



Canaryseed Yield Response to Seeding Date



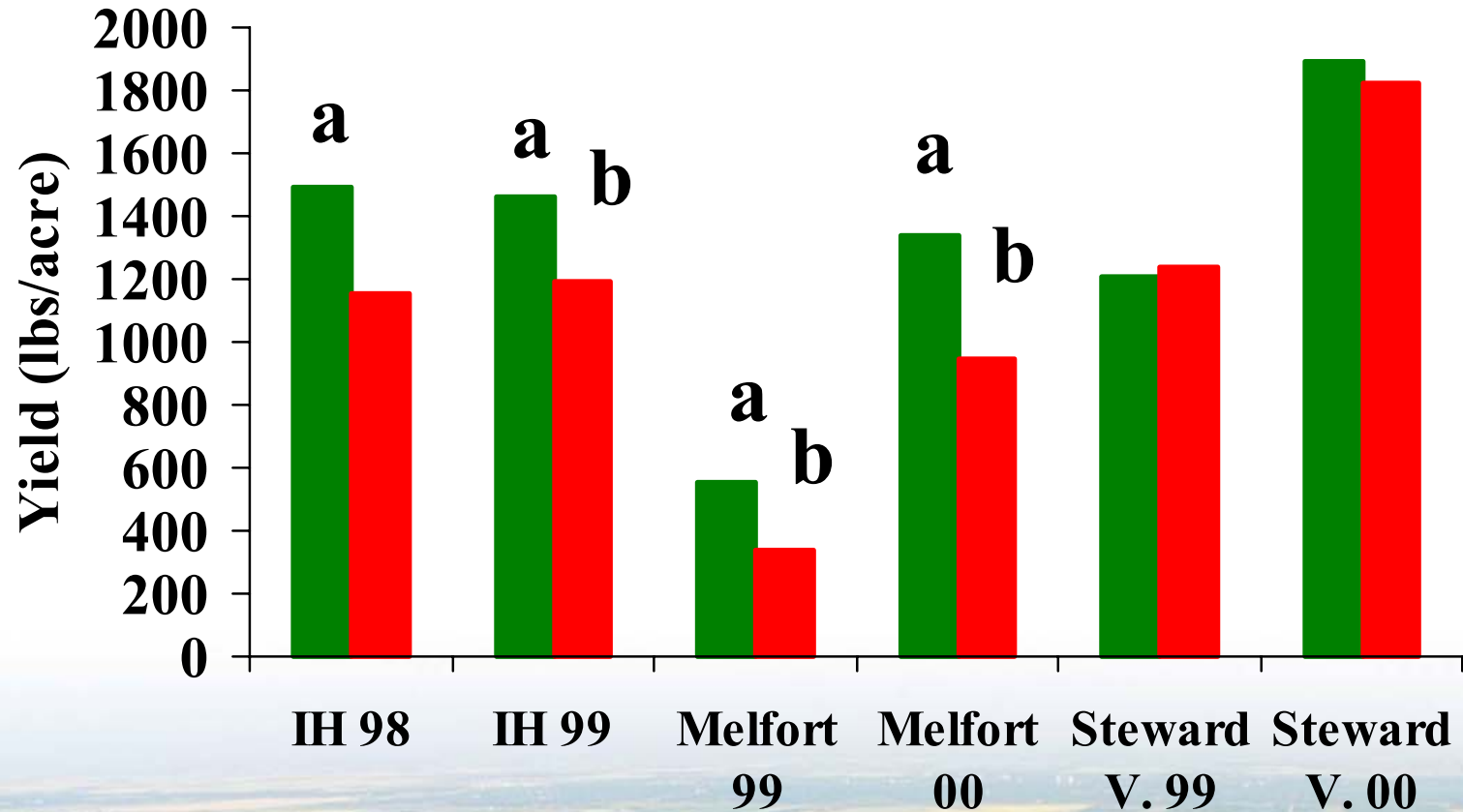
Septoria Leaf Mottle

To spray or not to spray that is the question



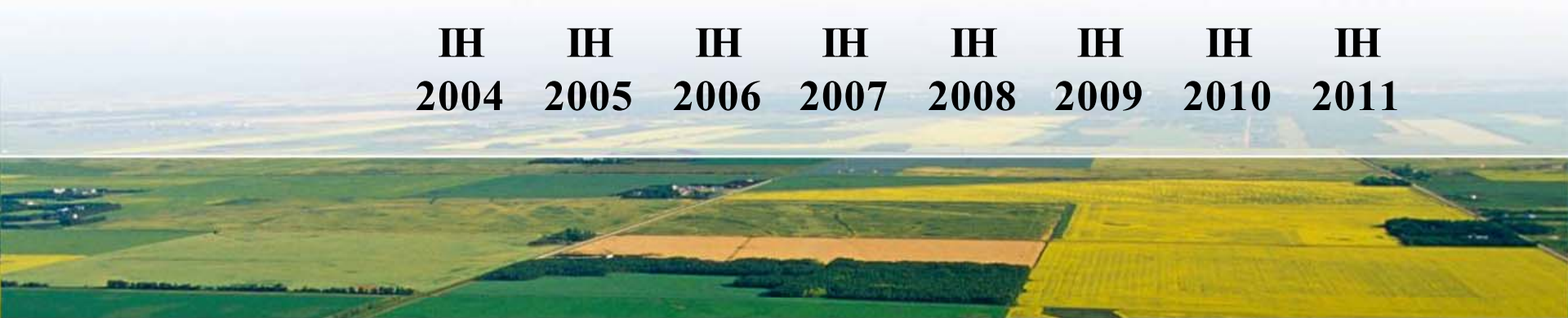
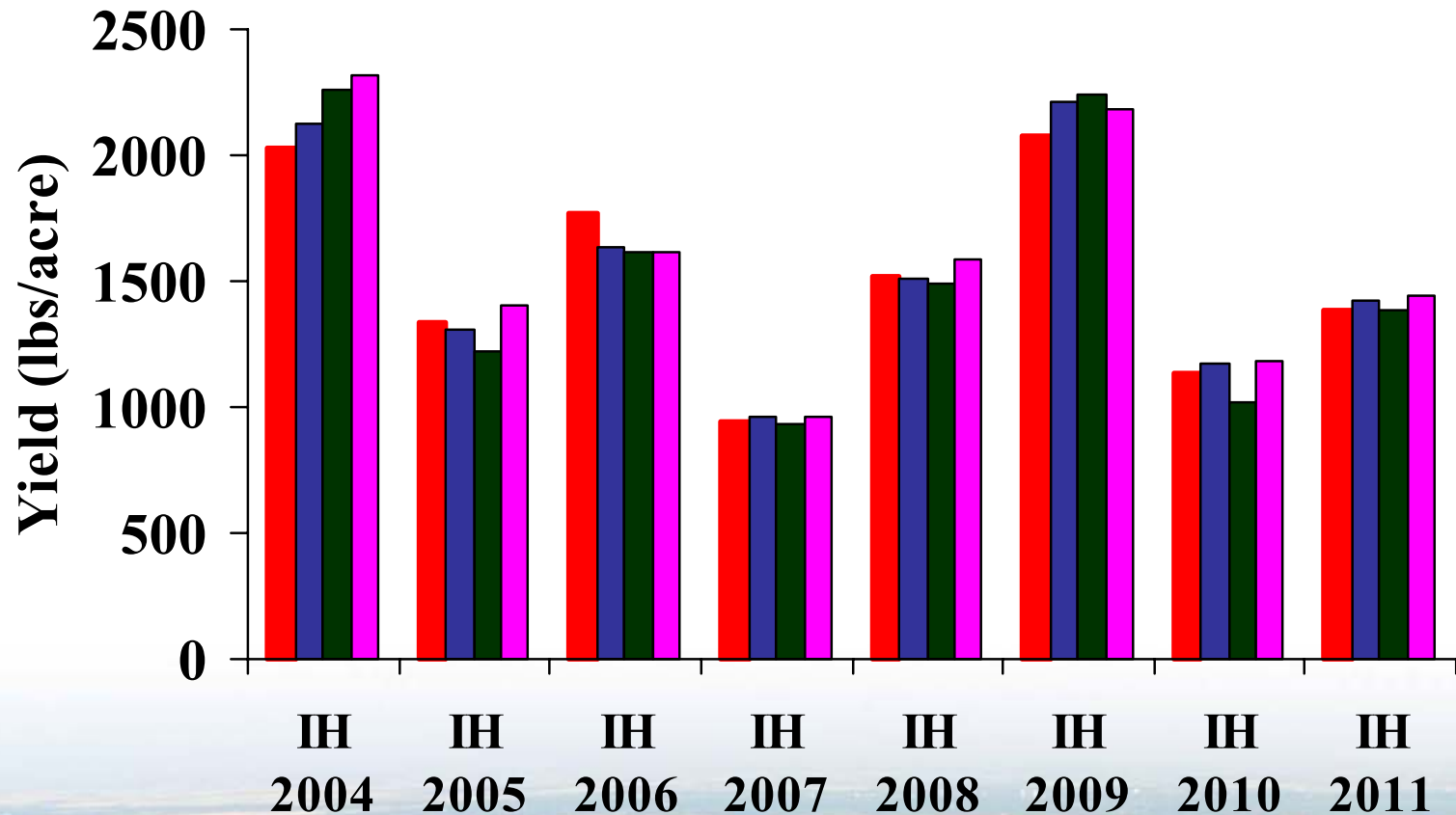
Septoria Leaf Mottle and Yield

■ Tilt ■ Check



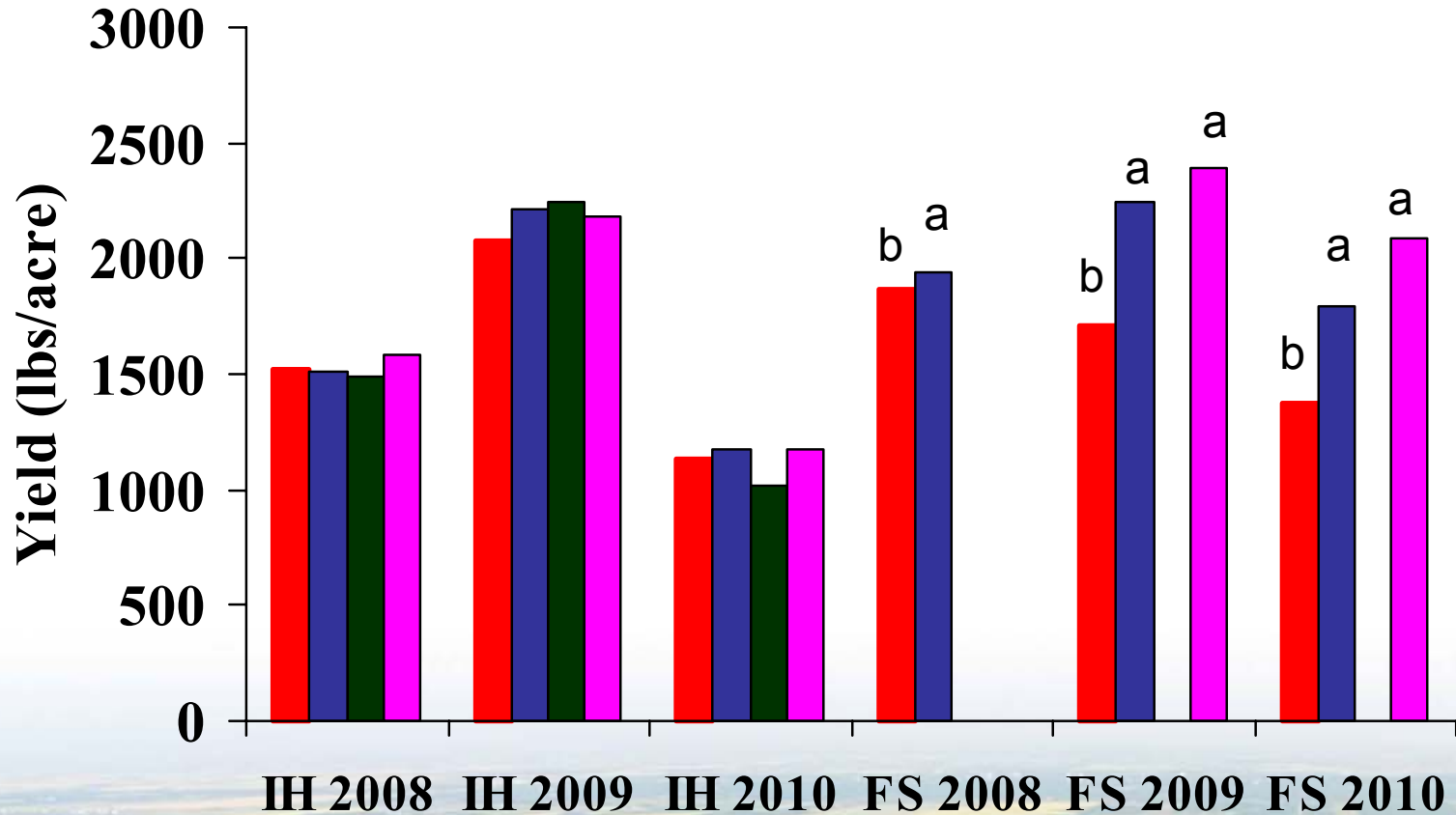
Septoria Leaf Mottle and Yield

■ Check ■ Tilt ■ Stratego ■ Headline



Septoria Leaf Mottle and Yield

■ Check ■ Tilt ■ Stratego ■ Headline



FS – Field Scale Plots

Septoria Leaf Mottle

- **New project to determine plot size needed to capture the effect of Septoria Leaf Mottle on Canaryseed**



Chloride in Canaryseed

- Response to Chloride not Potassium
- Use potash to provide chloride

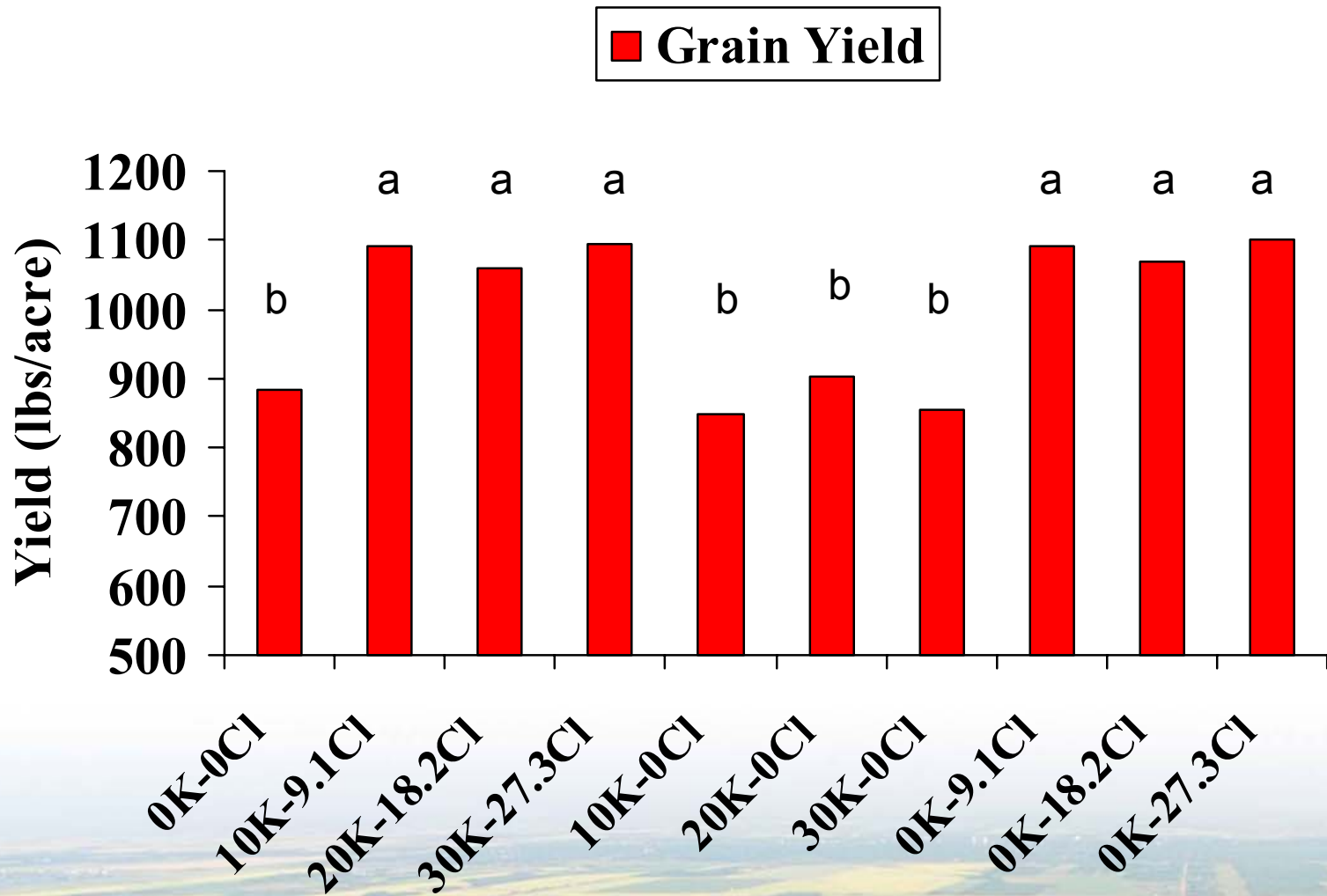


No
Chloride

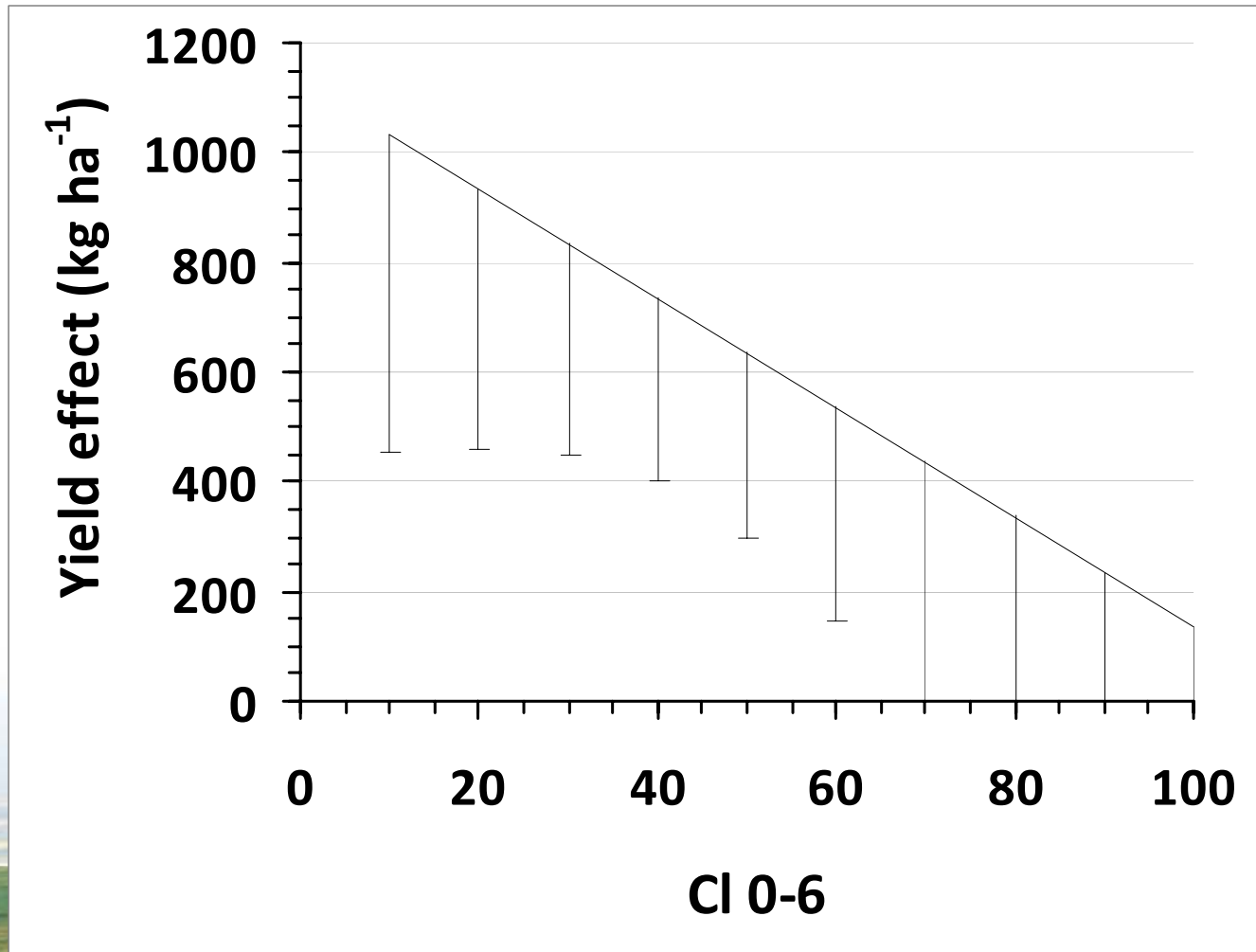
Chloride



Chloride and Grain yield Yield



Residual levels of Chloride in soil and Grain yield Yield



The response of annual canarygrass to chloride at individual sites and years.

Year	Site	Yield increase (kg ha⁻¹)	Residual Cl in soil (kg ha⁻¹) 0 - 15 cm
2008	CTK loam	644	38
2008	CTK ellisboro	443	40
2009	CTK ellisboro	354	63
2009	CTK loam	233	64
2009	IH	228	64
2009	Regina Plain	133	73
2008	IH	123	81

Any yield increase above 113 kg ha⁻¹ was significant

Chloride in Canaryseed

- Apply 18 lb/acre of potash
- Soil test – best estimate
 - May not need Cl when you have at least 75 to 80 lb/acre in top 6 inches

