

Cotton / Grain Germination & Seedling Vigor Issues for Consultants, LDAF and Industry

2022 LATMC - Multi Crop Session I



Seed Germination and Vigor Issues

- **Variety Selection Is A Primary Input Decision**

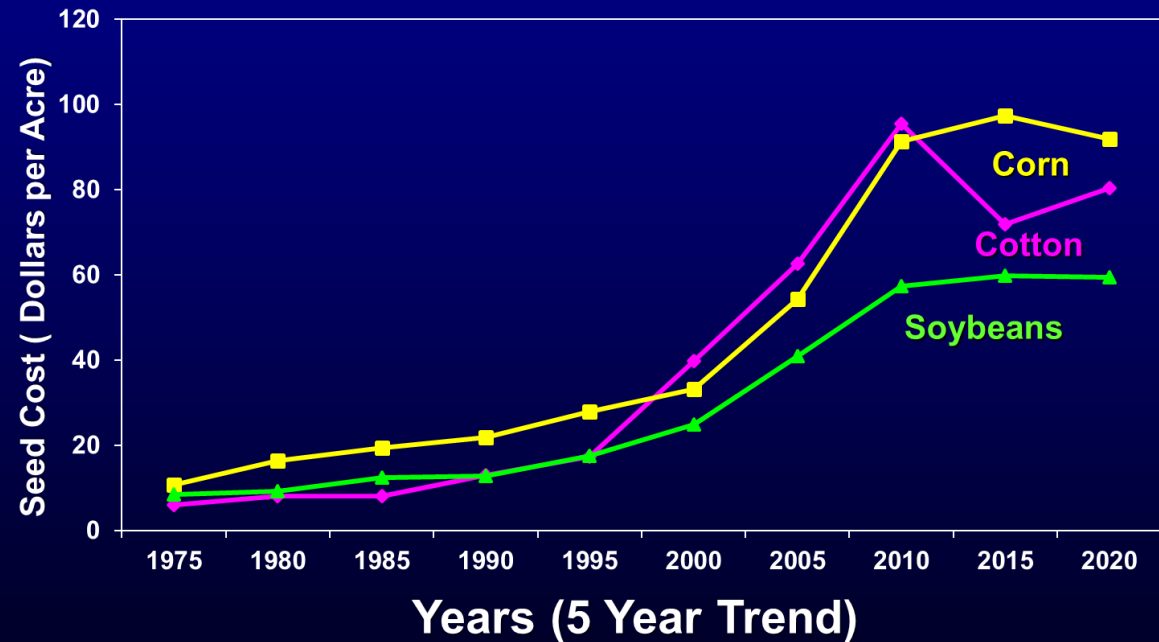


Seed Germination and Vigor Issues

- Seed, Traits, ST's as Input Investments

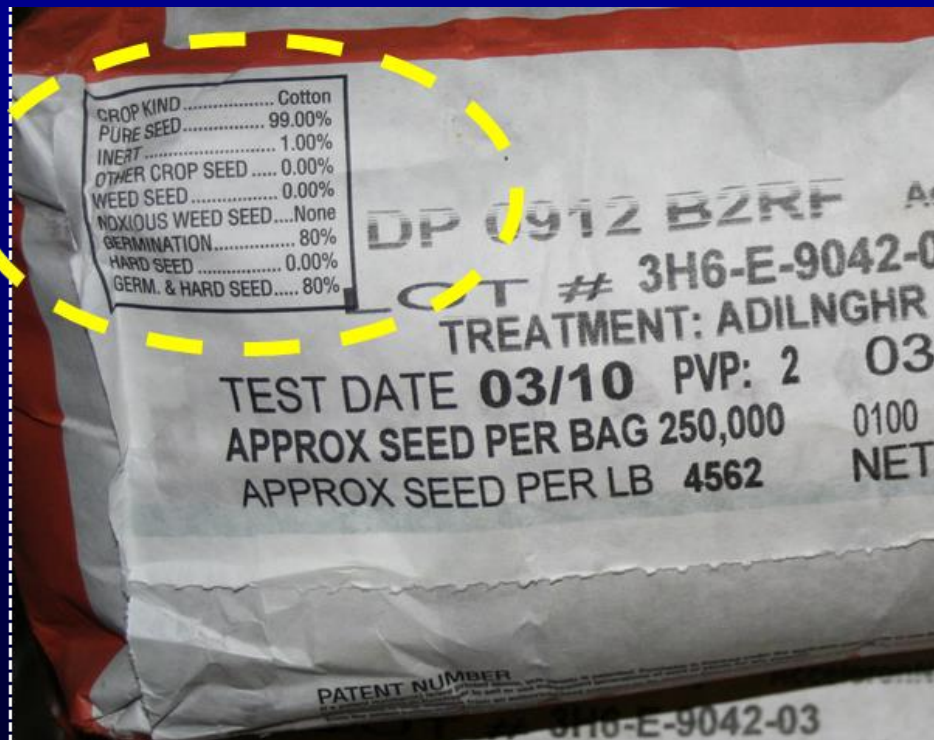


Cotton and Grain Seed Costs



Seed Germination and Vigor Issues

- Germination Does Not Equal Vigor



Seed Germination and Vigor Issues

Time / Opportunity For Correction

- Weather, Competing Tasks, VTY Performance by PD

Effect of Delayed Planting

VARIETY	APRIL YIELD RANK	APRIL MOISTURE	APRIL YIELD (BU/A)	MAY YIELD RANK	MAY MOISTURE	MAY YIELD (BU/A)	YIELD ADV (BU/A)
A	1	11.9	87.9	1	12.3	72.9	+ 15.0
B	7	11.8	72.3	4	12.0	64.3	+ 8.0
C	5	12.0	76.3	7	12.3	58.4	+ 17.9
D	4	12.0	77.1	2	12.2	71.8	+ 5.3
E	2	11.8	82.3	3	12.0	70.2	+ 12.1
F	3	11.5	77.2	5	11.8	62.3	+ 14.9
G	6	11.7	74.3	6	12.7	59.7	+ 14.6

Average April Planting Advantage = 12.5 bu/acre!

Seed Germination and Vigor Issues

- **Hidden Input Costs / Yield Loss**



Today's Objective For Panel Discussion

- **Open Discussion on Planting Seed Quality Issues**

Introduction to the Issues – **B. R. Leonard (Consultant)**

Regulatory Guidelines – **Lester Cannon / David Johnston (LDAF)**

Dealer Distributor Process – **Jeff Pangle (Armor Seed)**

Basic Seed Company Process – **Brad Johnson (Bayer)**