

Mike and Jim Olvey O&A Enterprises Inc.







Over 7,000 Upland Lines Evaluated

5 Private Companies

State Breeders

Federal Breeders

California Cotton Growers

Educate the Industry with Site Visits

Explain our FOV-4 Screening and Evaluation process

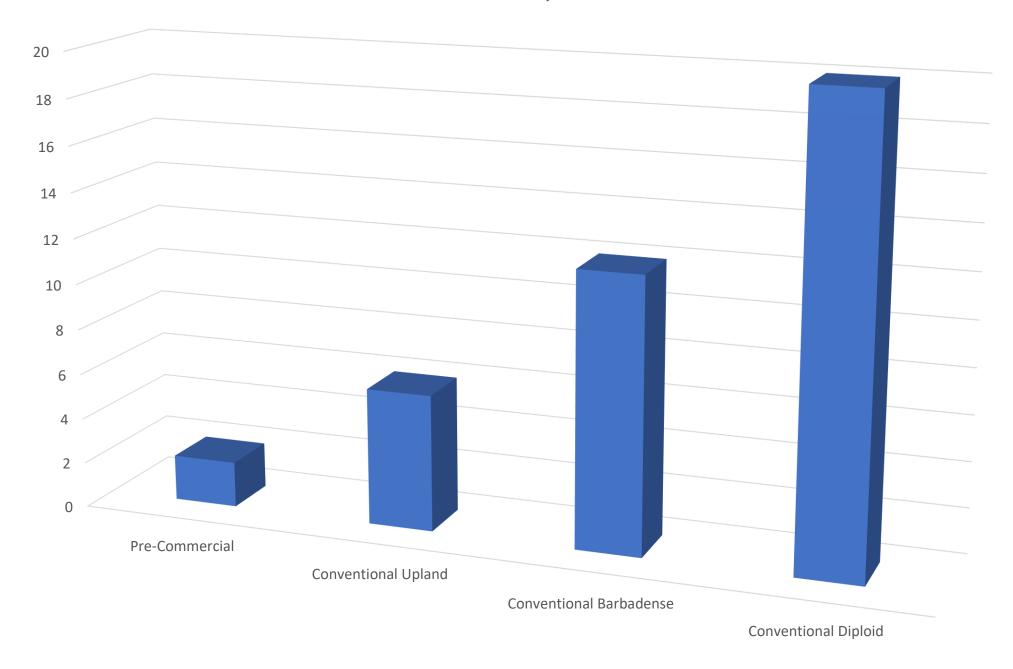
Provided Field Plans with their Entries

Showed individuals their Entries



Timeline: Years to Variety Farmers can Grow





Testing Protocol

- Seedling Death
- Vascular Staining
- Yield Evaluation







High vs. Low Spore Count Fields

• Spore Count

Variety

Plant Survival

• Low

DP 340 Pima

>40%

• High

DP 340 Pima

<5%



FOV-4 Previous Resistance Claims

- SJV-01 through SJV-09
- MD-26ne
- MD 25-26ne
- NM 1004
- NM 1005
- NM 1015
- A2-190
- Bell-1







Cotton Incorporated FOV-4 Screening

 Screen 1,000 Upland entries using O&A's Site Specific Mass Screening (SSMS) protocol

10 Entries advanced to 2nd year screening

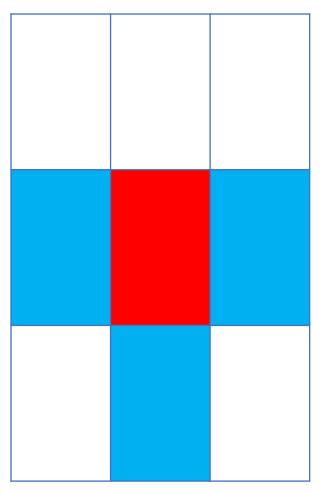
30x more checks from 1st to 2nd year testing

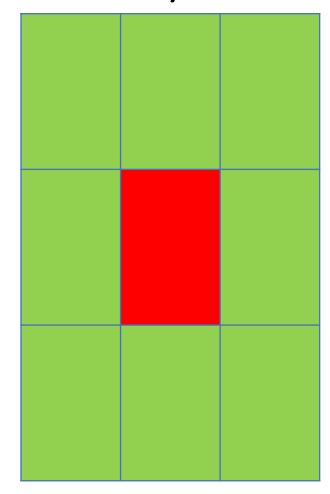






1st vs 2nd Year Plot Layout







Goal: Find Upland Varieties with the highest level of resistance to the Fusarium Race-4 disease and have the entire industry be able to Utilize these varieties as soon as possible.