CLRDV Symptoms, Incidence & Impact in Alabama

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Symptom Expression

- Cultivar
- Growth Stage
- Weather
- Region
- Virus Strain?
Leaf Rugosity in Seedling Cotton

BRS 286 PARU

PHY 480 PARU

PHY 480 PARU

BRS 293 PARU
Leaf Reddening/Drooping/Wilt

BRS 286 PARU

DPL 1646 PARU

BRS 293 BARU
Leaf Crinkle/Red Veins/Stacked Terminals

PHY 480 TV

PHY 480 BARU

Breeding Line PBU

DP 1840 GCREC
Red Stems/Stunting
Late Summer Reddening/Bronzing

NexGen AMX1828 GC

ST 6182 BARU

ST 6182 BARU
CLRDV Incidence

90% CLRDV Positive
Cotton Blue Disease

Cotton leafroll dwarf virus
CLRDV

2019 Cropping Season Distribution
September 19, 2019

Detected by Auburn University Plant Diagnostic Lab
Summary

- CLRDV is widespread.
- Visual diagnosis difficult.
- CLRDV incidence?
- Yield loss?