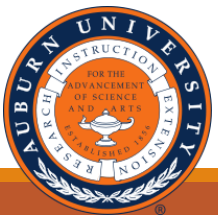


# *Cotton variety CLRDV evaluations*

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AUBURN UNIVERSITY, AUBURN, AL,

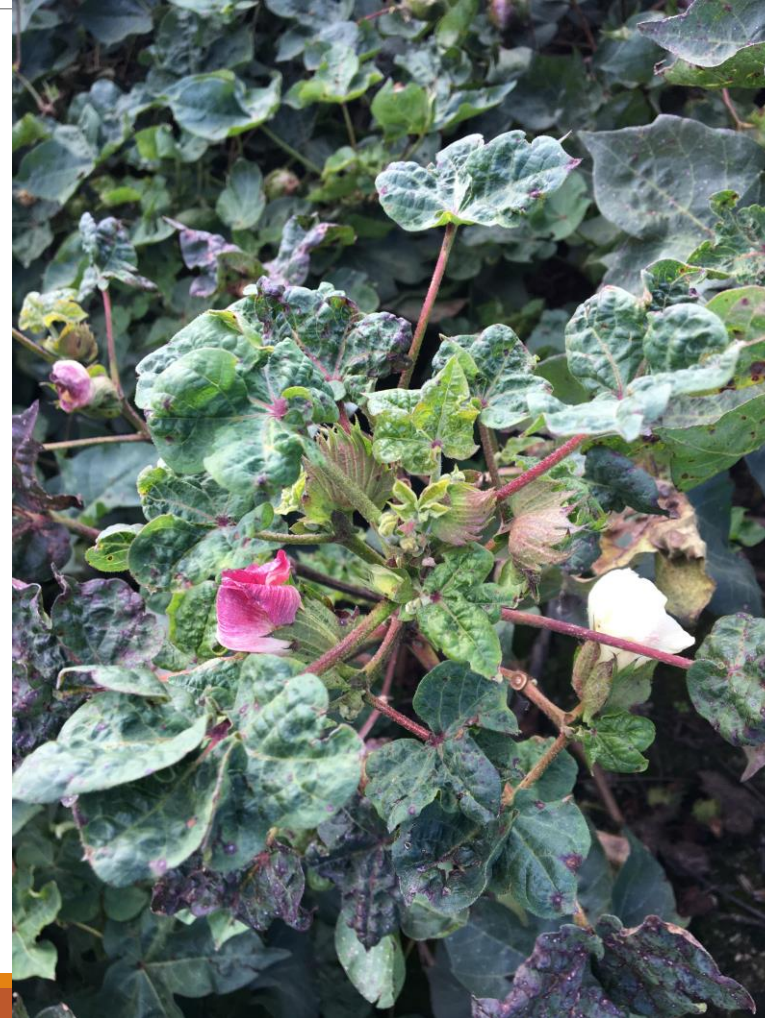


# Cotton virus symptoms

AUGUST 29, 2017



SEPTEMBER 25, 2017



# Cotton virus symptoms, 2018

**August 24, 2018**



**September 2018**



# Cotton virus symptoms vs healthy plant, Sept. & Oct. 2019

Healthy

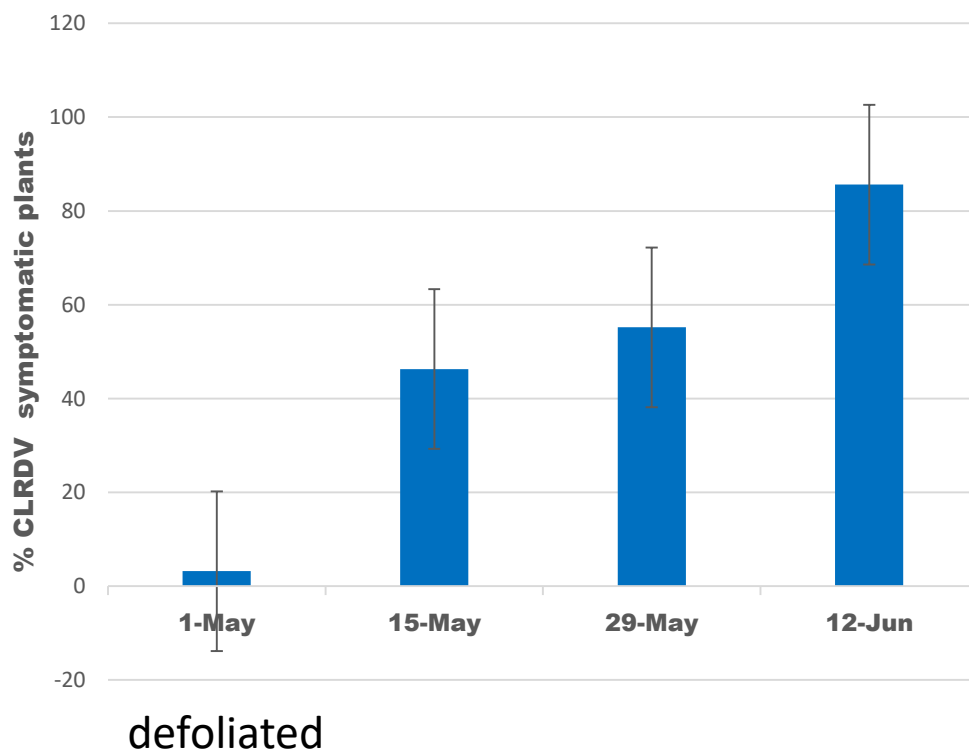


Symptomatic

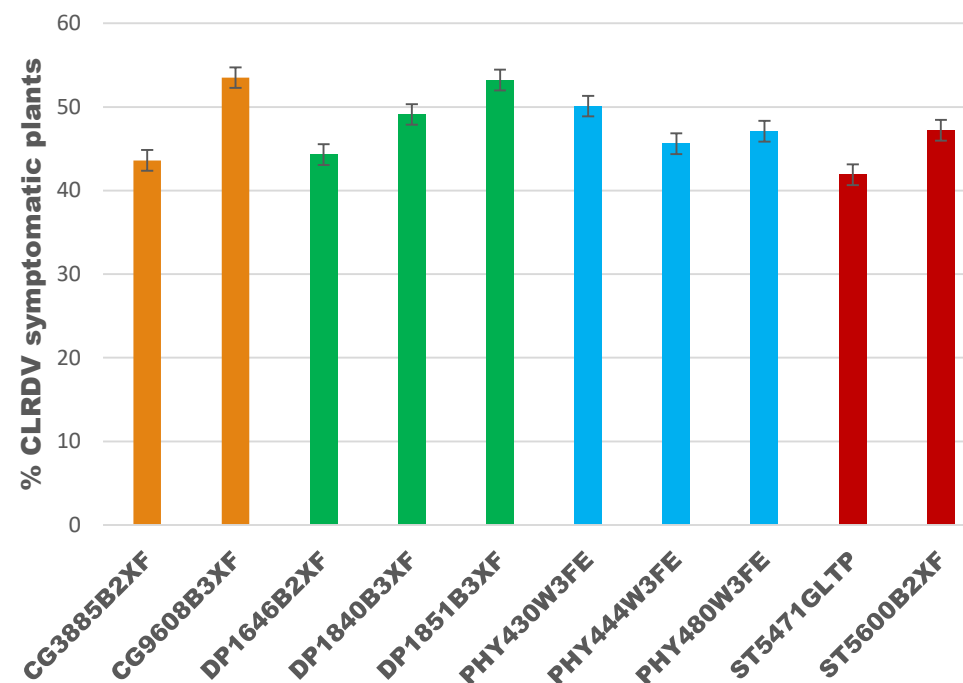


# Cotton variety response to CLRDV by planting date, 2019

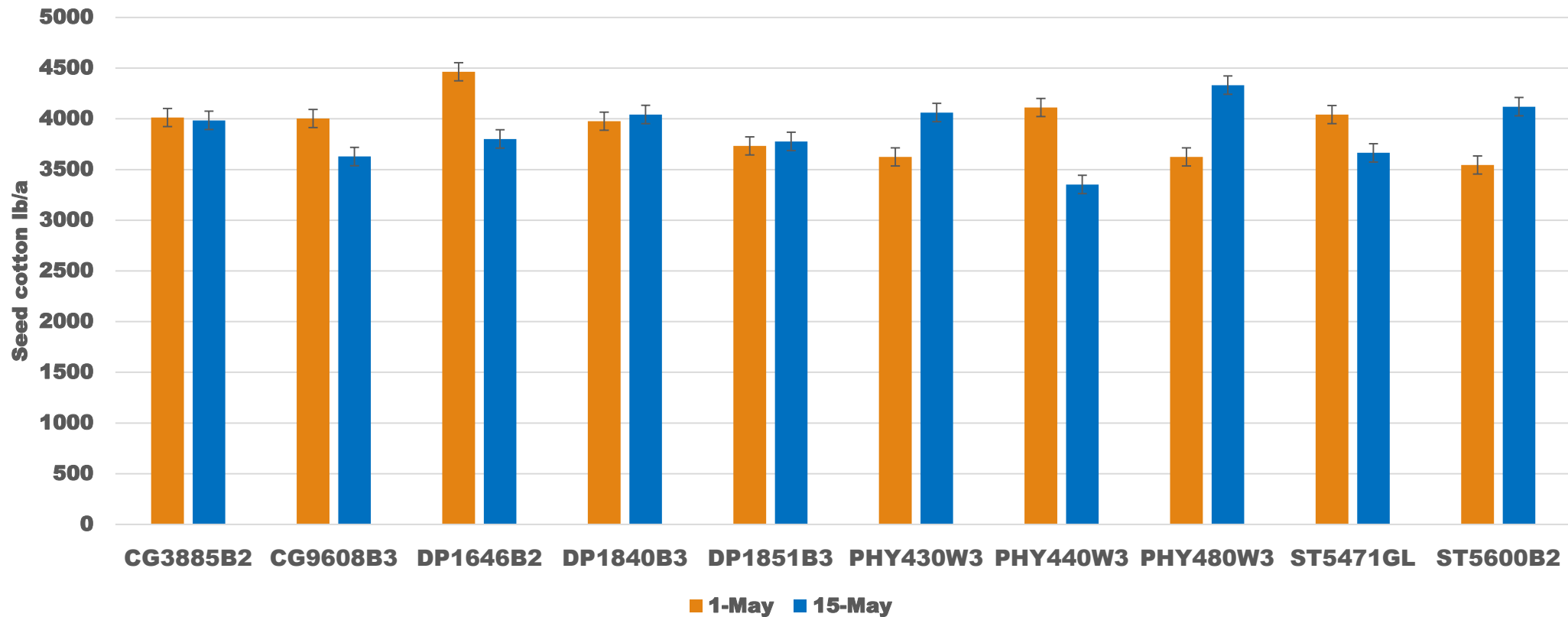
**% CLRDV incidence across varieties by planting date, 2019**



**% CLRDV incidence by cotton variety, 2019**

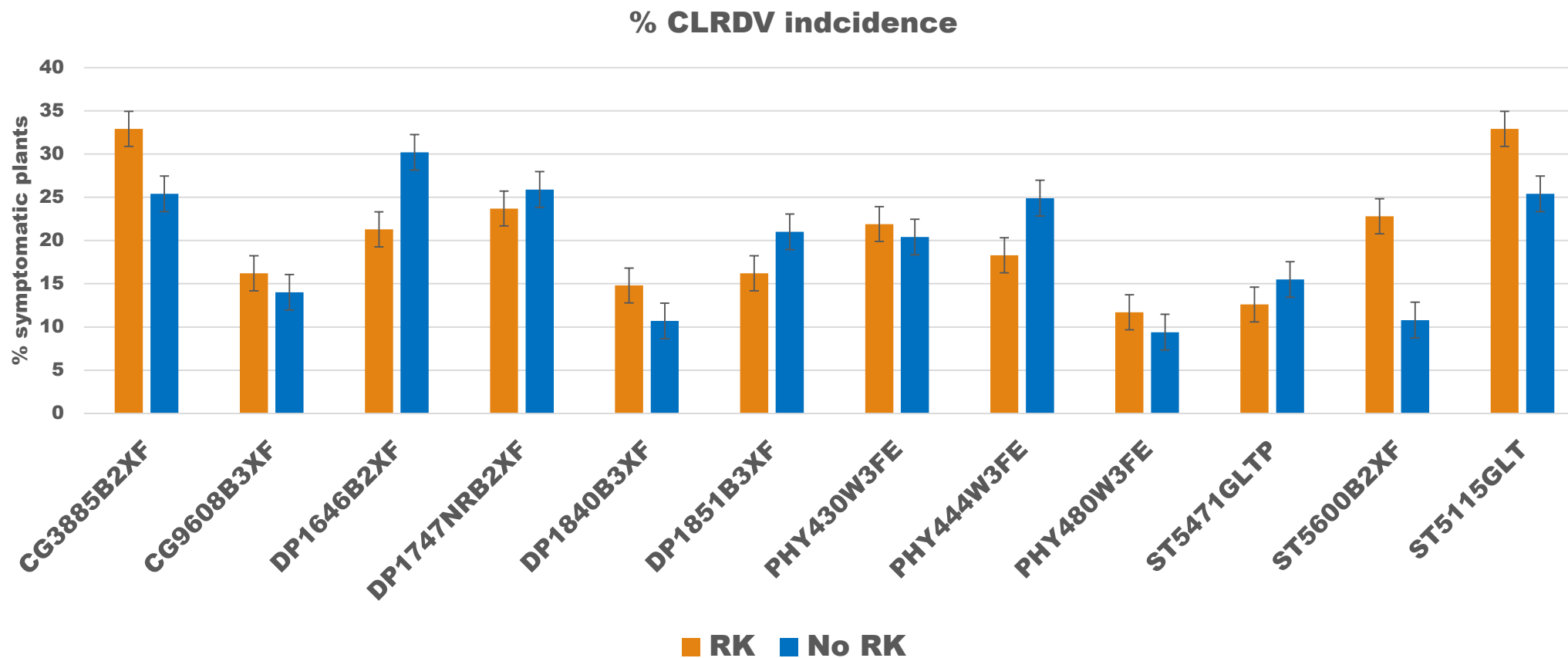


# CLRDV cotton variety yield response to by planting date, 2019

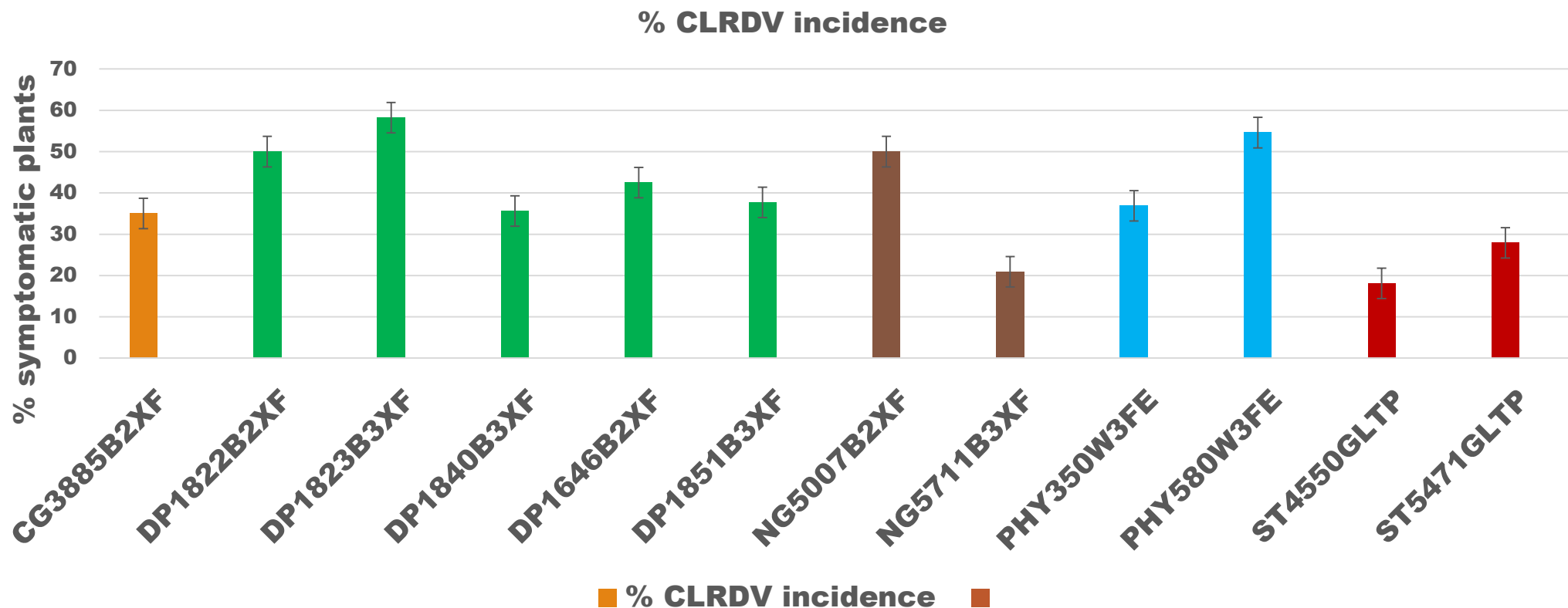


**2.8 – 3.7 bales per acre**

# Cotton variety response to CLRDV as influenced by Root-knot nematode GCREC, 2019



# Cotton variety response to CLRDV Jay FL, 2019



# Cotton virus symptoms

## Rating scale 1-5

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2 LEAF FOLDING



3 LEAF CRINKLING



# Cotton virus symptoms

## 4 LEAF DISTORTION

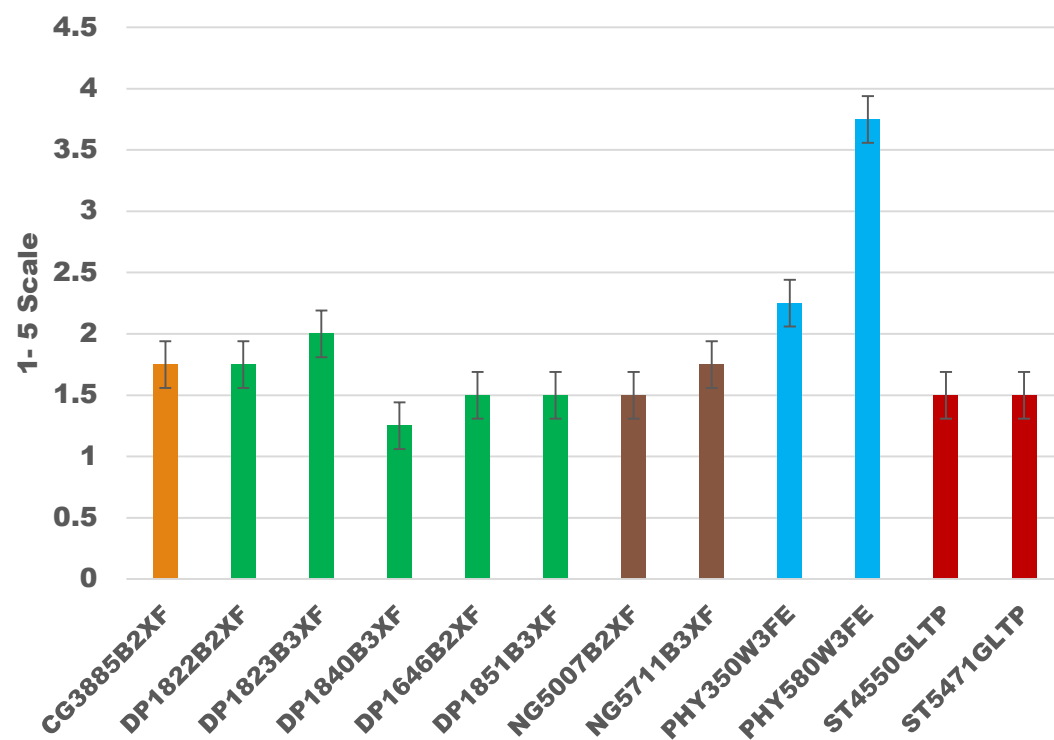


## 5 SEVERE DISTORTION AND DWARFING

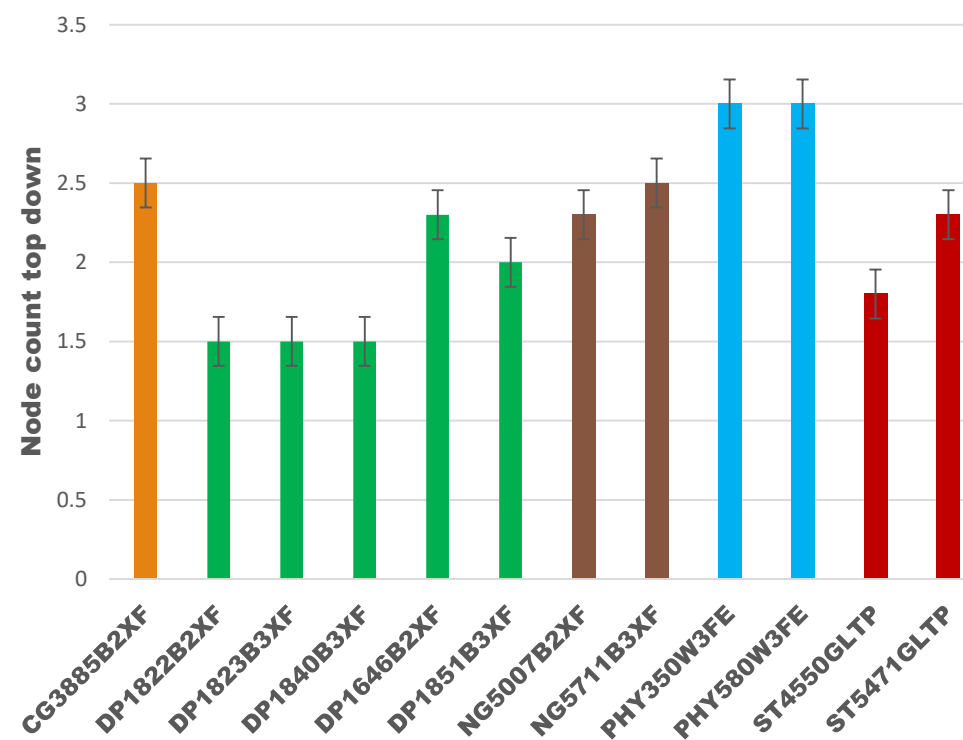


# Cotton variety response to CLRDV Jay FL, 2019

**CLRDV disease severity**



**Nodes with foliar symptoms**



# Cotton Blue Disease *Cotton leafroll dwarf like virus (CLRDV)*

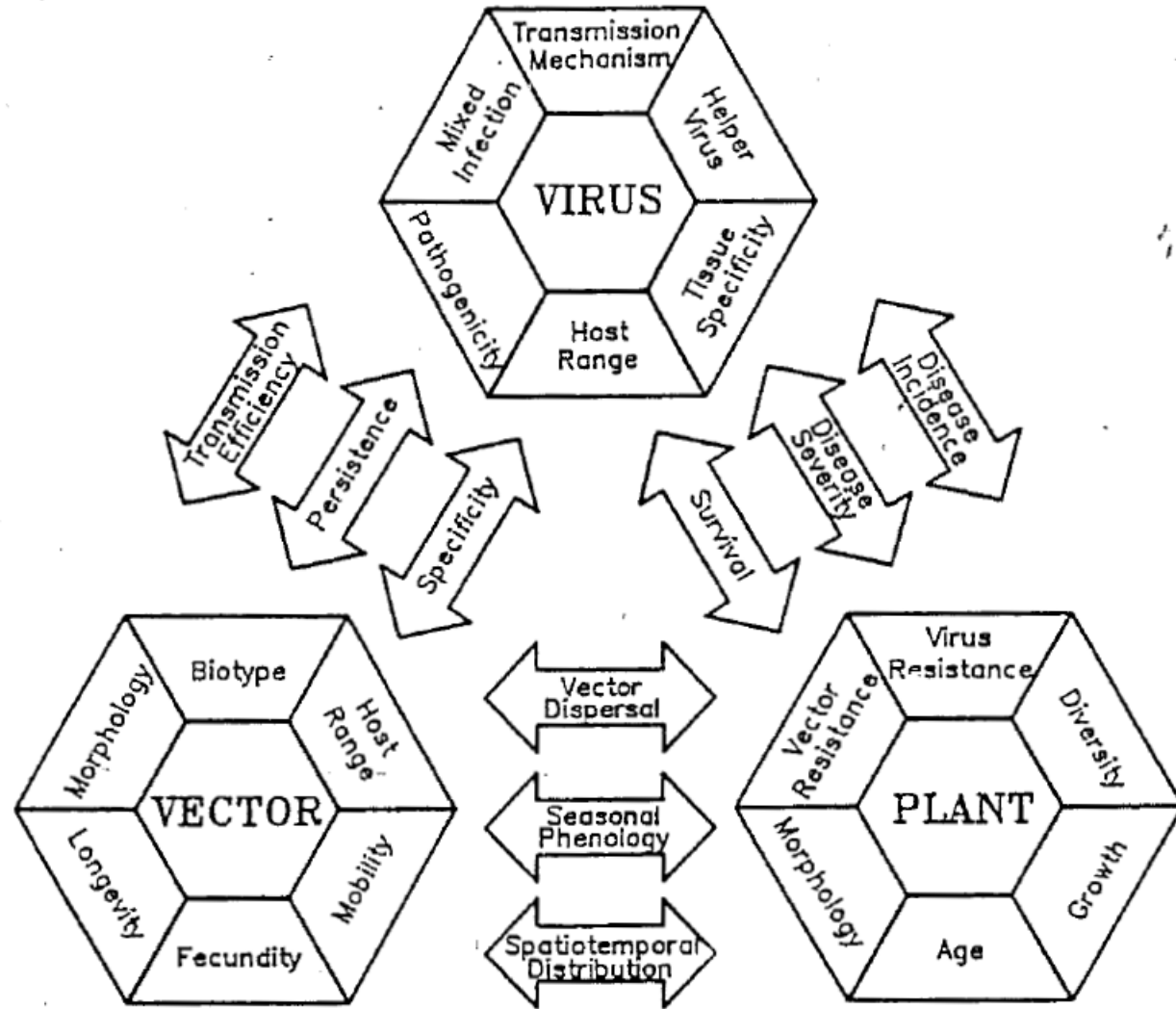


FIGURE 1. A conceptual, holistic ecological model of the intrinsic and interactive properties affecting the epidemiology of a vector-borne plant virus.

# Cotton virus symptoms vs healthy plant

