

Cotton Diseases in 2019

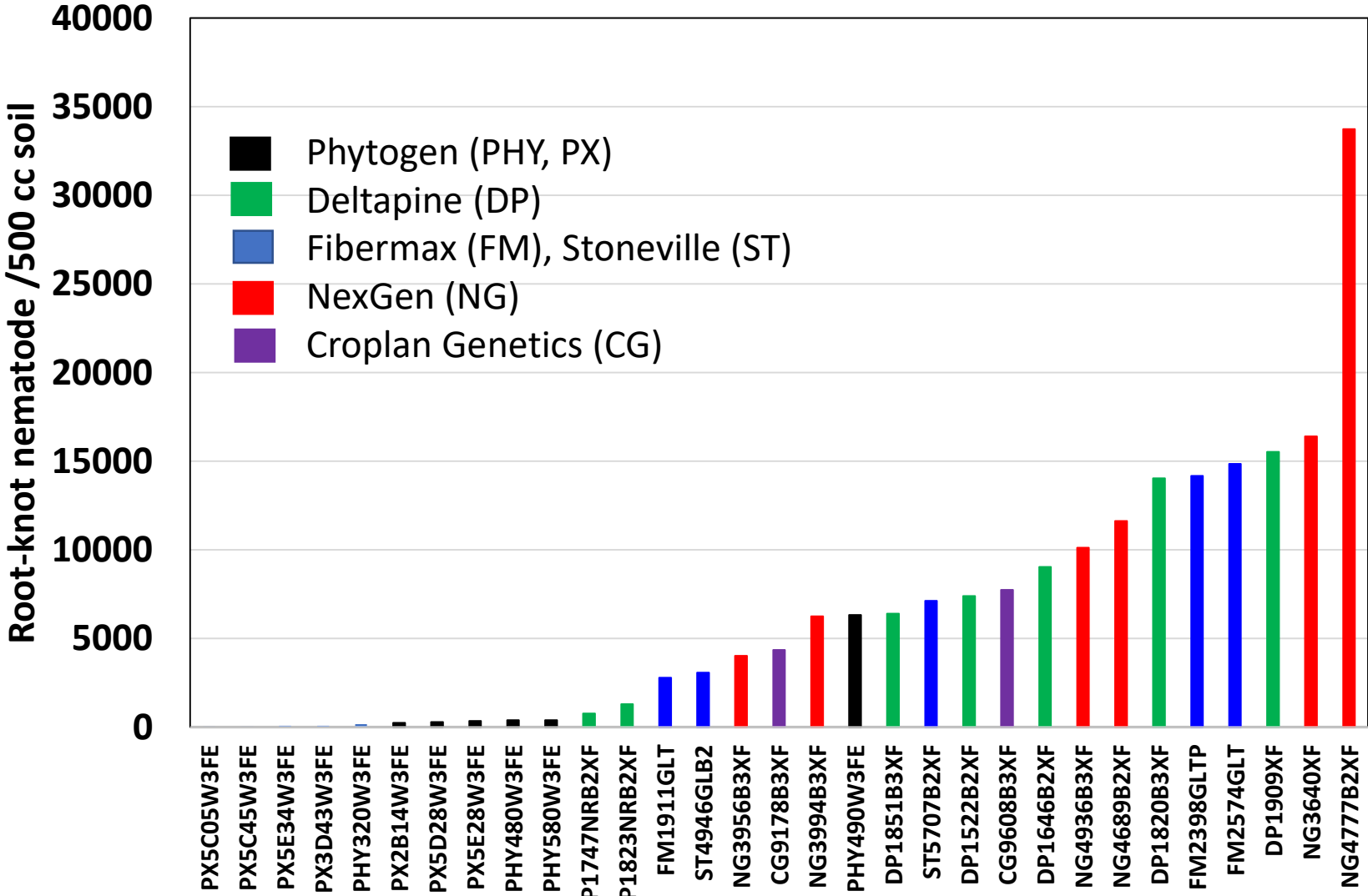
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Texas A&M AgriLife Research

Lubbock

- **Seedling Diseases:** Poor root growth and emergence north and east of Lubbock. Probably due to cool and wet conditions. Not necessarily seedling disease but contributed.
- **Fusarium Wilt:** To be covered by Cecilia Monclova-Santana
- **Nematodes:** Significant problem in 2019
- **Bacterial blight:** No problems in 2019
- **Verticillium wilt:** Probably none to minimal losses in 2019

Lamesa: Root-knot Nematode Reproduction



Chemical Control in a Reniform Fields



No
control



Vydate

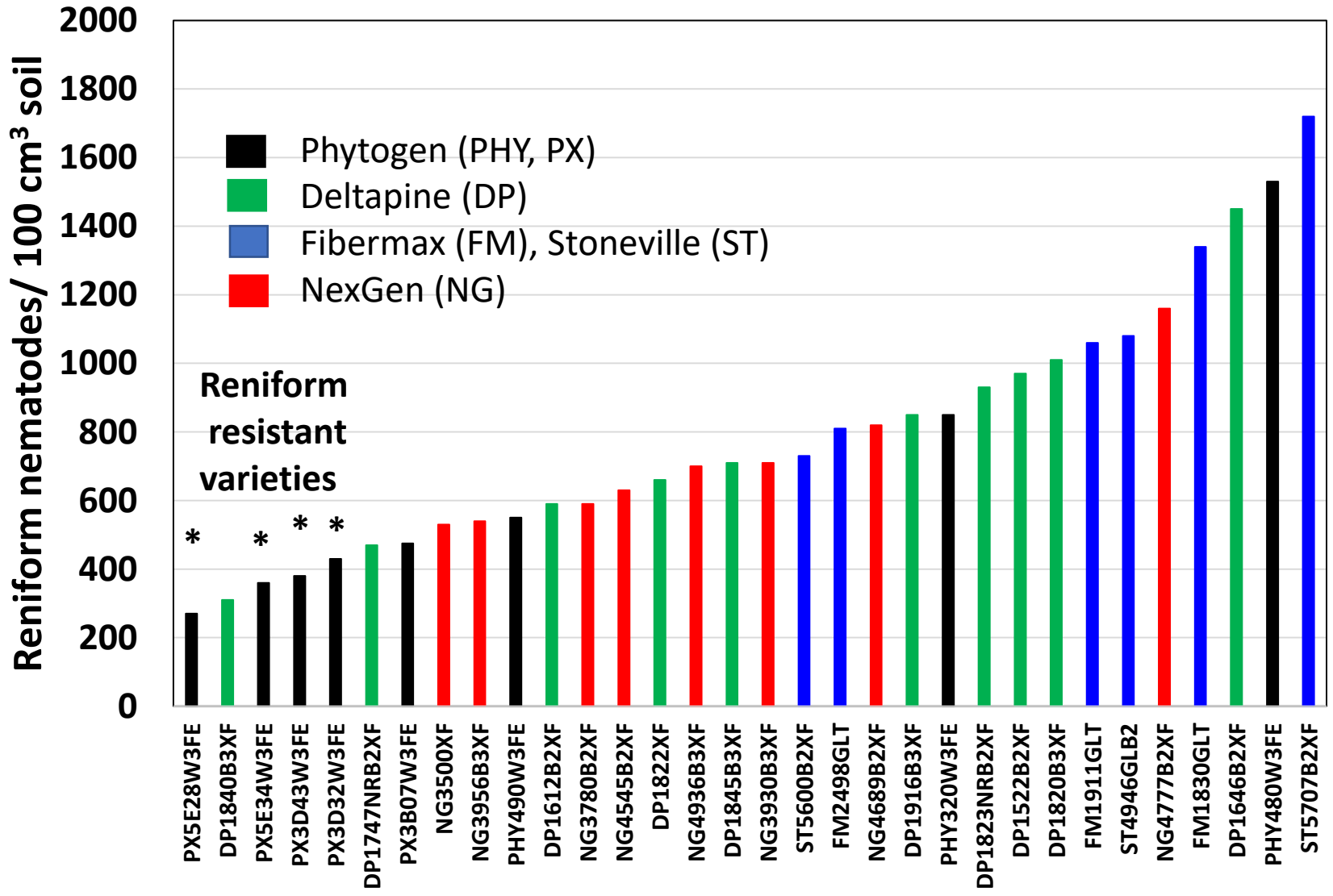


Propulse
At-Plant
in the
furrow



AgLogic 15G

Lubbock: Reniform Nematode Reproduction in Varieties



FM 1911GLT

PX3D32W3FE

NG 3930B3XF



NG 3930B3XF

PX5E34W3FE

DP 1612B2XF



PX3D43W3FE

FM 1830GLT

Different test



DP 1845B3XF

PX5E28W3FE

DP 1522B2XF



ST 5707B2XF

PHY 480W3FE

DP 1820B3XF



A comparison of three reniform susceptible varieties (the camera angle is not causing the middle variety to look better than the flanking varieties).

DP 1522B2XF

ST 4946GLB2

NG 4545B2XF



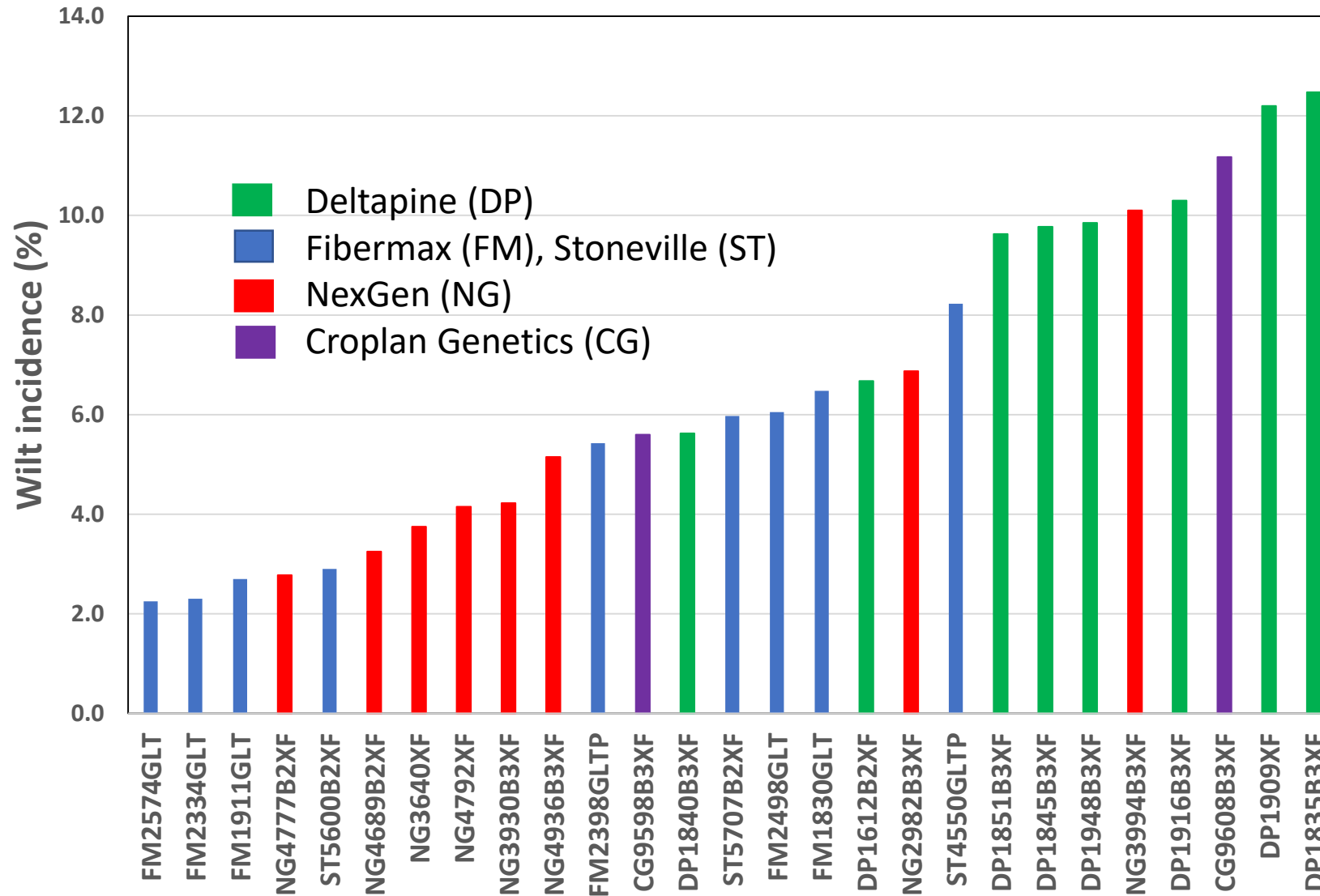
**Varieties with Reniform nematode resistance are
very close to being available**

**Chemical control does not appear to be as
effective as the new resistant varieties.**

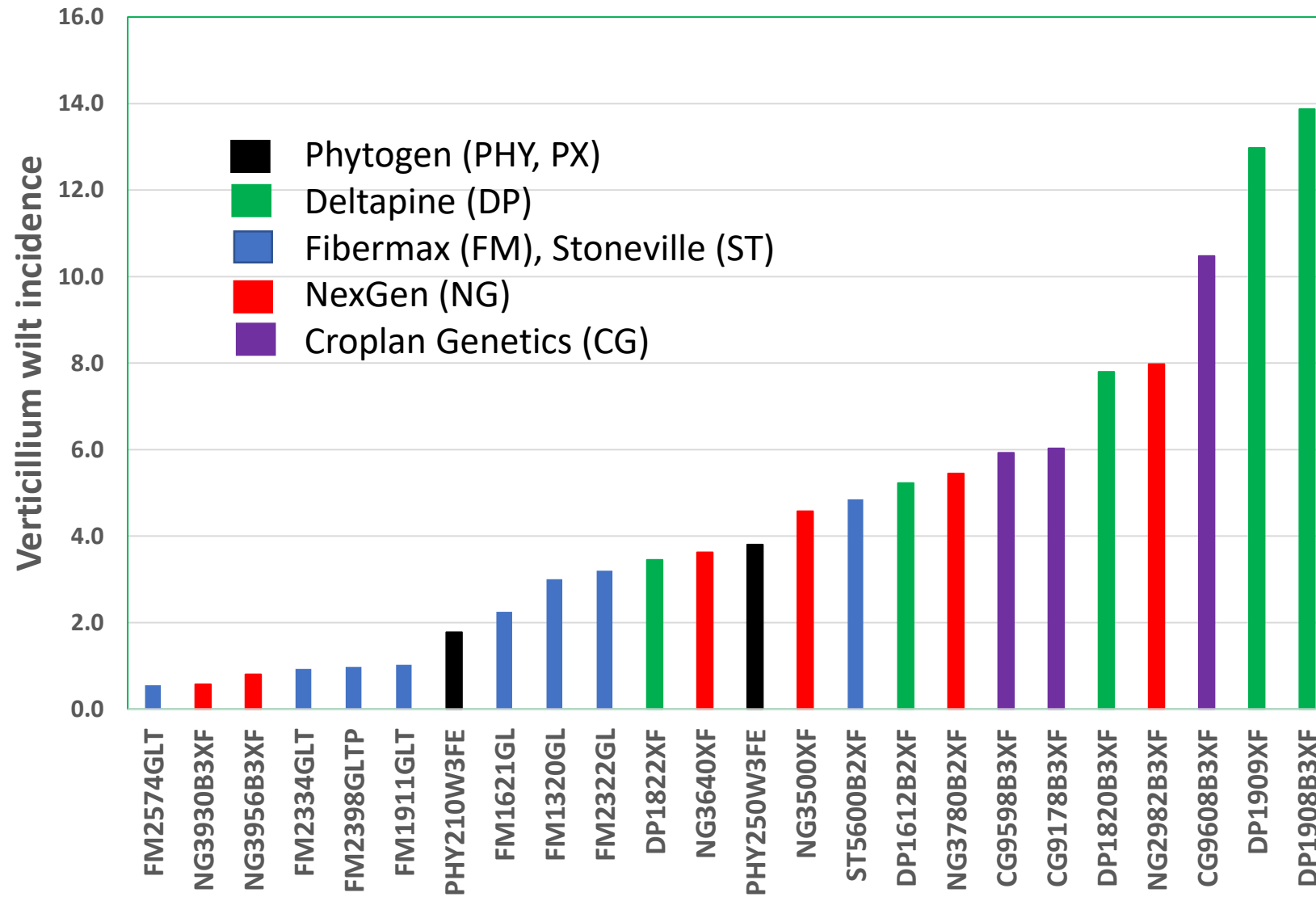
Verticillium Wilt



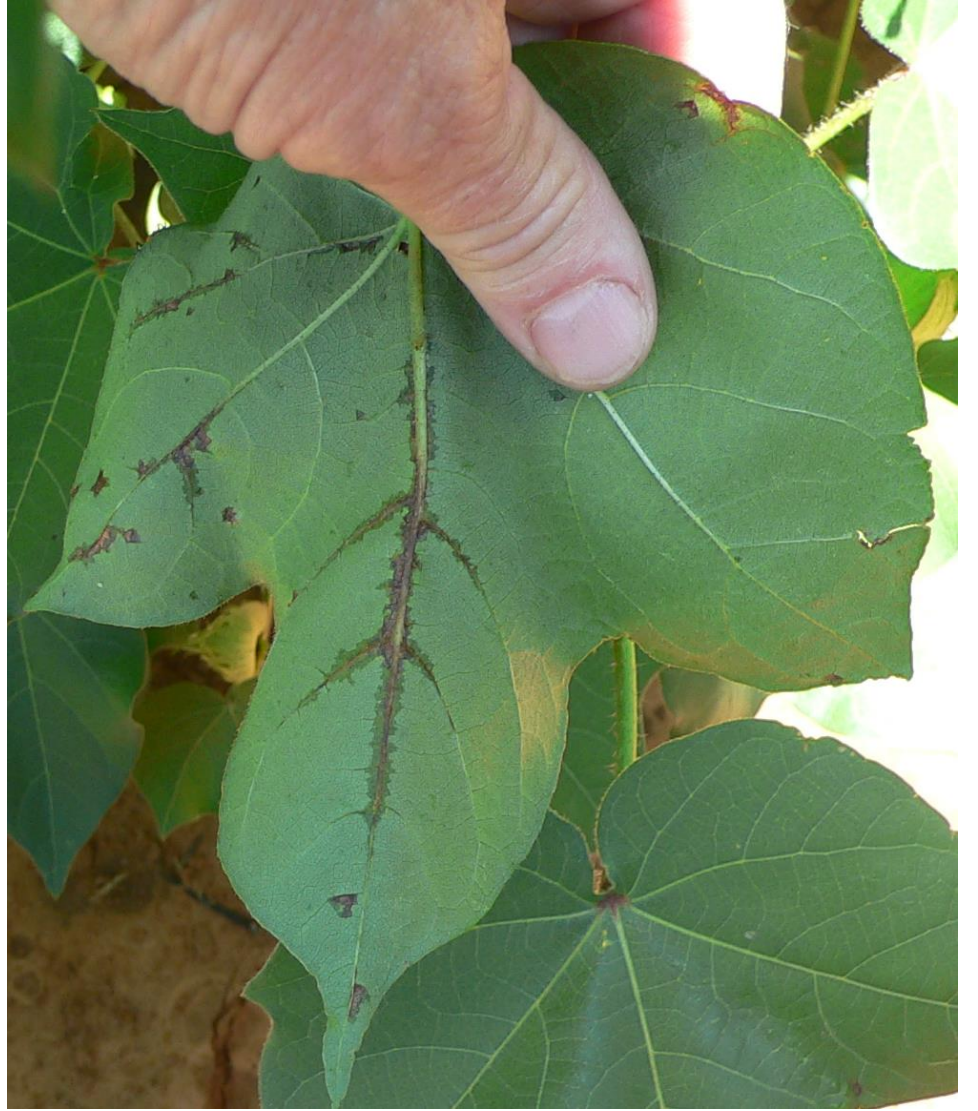
Incidence of Verticillium wilt in Hockley co.



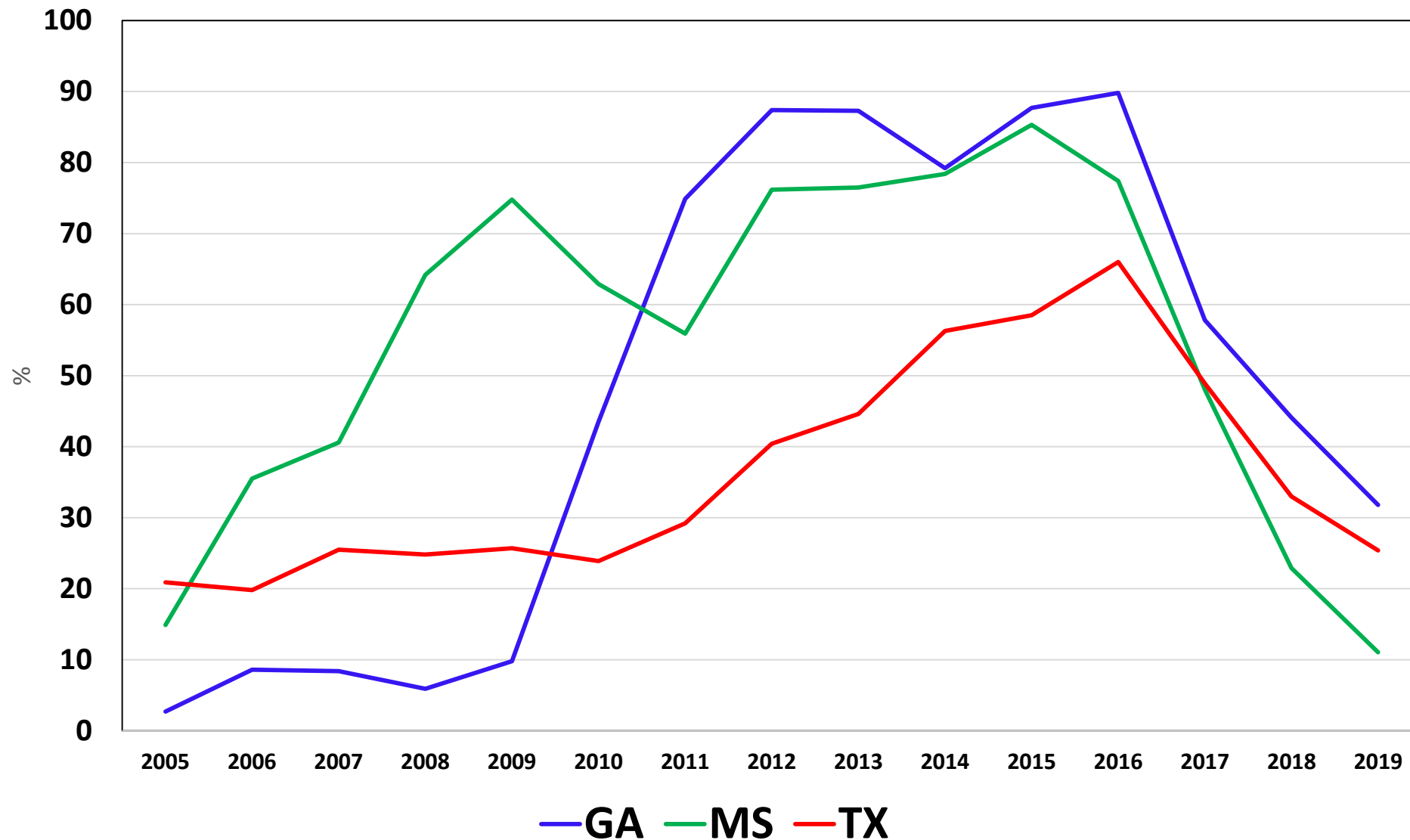
Wilt incidence at a test near Plainview



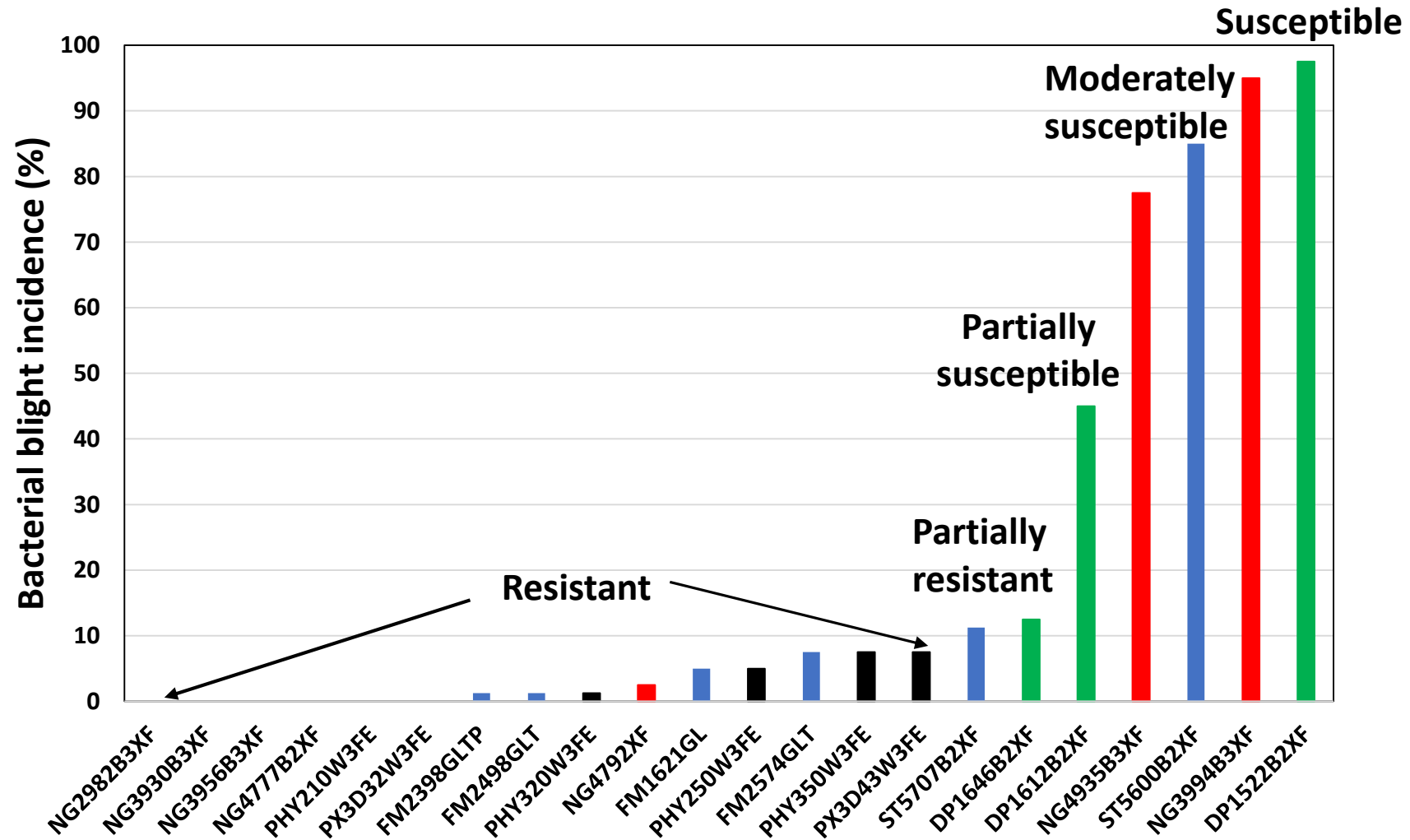




Cotton Varieties (%) planted that are susceptible to Bacterial Blight.



Performance of some new varieties when inoculated with *Xanthomonas citri* pv. *malvacearum*



I appreciate the funding sources for these projects including:

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are: Ron Graves, Glenn Schur and Larry Smith**