

DYNA-GRO VARIETIES FOR 2021

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Abstract

Dyna-Gro released three introductory cotton varieties (DG 3456 B3XF, DG 3535 B3XF and DG 3799 B3XF) that are available for commercial launch in 2021. DG 3456 is an early-medium maturing variety tested in 13 distinct early- to mid-season-environments in 2020. A linear regression analysis of DP 2020 B3XF showed DG 3456 B3XF offered a 250 lb/A yield advantage in higher yielding environments and was more stable with an R^2 of 0.90 compared to 0.79. DG 3535 B3XF is a medium maturity variety that has broad adaptability across multiple irrigated and rainfed environments. When compared to DP 2020 B3XF, yield was similar as well as stability with R^2 values of 0.77 and 0.74, respectively. DG 3799 B3XF is a full maturity variety that exhibits bacterial blight resistance, Verticillium wilt tolerance and exceptional seedling vigor. Across 7 Southeastern growing environments it performed 300 lbs/A above DP 1646 B2XF and 30 lbs/A above DG 3615 B3XF. This variety appeared to be more stable than DP 1646 B2XF and DG 3615 B3XF with an R^2 value of 0.81 compared to 0.77 and 0.71. These data only represented 2020 testing but show promise for each of these three varieties.