



Evaluation of Planting Systems on the Texas High Plains

Grower Cooperator: Barry Evans
 Texas A&M AgriLife: Rebekah Ortiz
 Location: Swisher, TX
 Replicates: 3
 Plot Size: 64 Rows x ~2640 ft.
 Variety: FM765AX
 Beds: No
 Previous crop(s): Grain Sorghum
 Soil type: Mansker, Estacado, Pullman
 Clay Loam
 Irrigation: None

Planting Date: 5/20/25
 Seed Treatments: AHNXP Core Seed Treatments
 Moist. @ planting: adequate
 Soil Temp @ planting: 2" -78F 4" - 70F
 GPS Lat: 34.3901040
 GPS Long:-101.8831060
 Elevation: 3575 ft
 Harvest Date: 10/16-17/2025

Special thanks to Barry Evans, Dr. Randy Boman, and Windstar Gin



Cotton Incorporated

Texas State Support Committee



PLAINS COTTON GROWERS



Month	Avg High Temp (°F)	Avg Low Temp (°F)	DD60 (95°F max)	Rain (in.)
May	83.58	55.00	113	0.14
June	87.90	65.13	489.5	4.95
July	89.29	67.06	557	2.60
August	91.32	66.48	568.5	2.43
September	84.93	58.03	344	0.51
October	82.41	57.59	170	1.90
Total			2242	12.53

Trt	Row Spacing	Seeds/Ft	Seeds/A	Planting Seed Cost (\$/A)	Plant Population (Plts/A)	Stand Establishment (%)	Turnout (%)	Lint Yield Land (lbs/A)	Lint Yield Planted (lbs/A)	Mic	Length (in)	Staple (1/32 in)	Strength (g/tex)	Uniformity (%)	Color Grades	Leaf Grade	Loan Value (\$/lb)	Land Basis Net Return (\$/A)	Planted Basis Net Return (\$/A)
1	30	1.5	26,136	39.20	20038 A	76.7	38.0	706 B	706 B	5.17 B	1.15	37.0	32.8	81.6	31, 31, 31	3.3	0.5375 B	319 B	319 B
2	60	1.5	13,068	19.60	10600 B	70.7	36.9	781 A	1172 A	4.39 A	1.15	37.0	32.4	82.6	31, 31, 31	3.7	0.5593 B	368 A	552 A
3	60	2	17,424	26.14	9244 B	60.8	37.3	782 A	1173 A	4.64 A	1.13	36.3	32.0	82.3	31, 21, 31	3.3	0.5633 A	373 A	559 A
Mean					13294	69.4	37.4	756	1017	4.73	1.15	36.8	32.4	82.2		3.4	0.5534	353	477
LSD					3587	NS	NS	57	87	0.30	NS	NS	NS	NS		NS	0.0030	27	47
R-square					0.96	0.81	0.50	0.88	0.99	0.93	0.80	0.71	0.43	0.81		0.80	0.94	0.94	0.99
CV (%)					11.9	9.2	2.4	3.3	3.8	2.8	0.7	0.9	2.8	0.5		9.7	0.9	3.4	4.4
Prob>F, variety					0.0021	0.0885	0.4078	0.0328	0.0002	0.0048	0.0530	0.1111	0.5915	0.0883		0.4444	0.0071	0.0097	0.0002

Planting seed costs from the 2025 PCG Seed Cost Calculator

Loan Value and Net Return from 2025 Upland Loan Calculator via Cotton Inc.

Values in bold are best within each column; values in green-shaded cells are not significantly different from the best value;

****NOTE; These results are based on grab samples ginned and classed at the Texa Tech University Fiber & Bipolymer Research Institute;**
Windstar gins will be compiling and publishing data from the entire field.