

Table 21. Yields and disease ratings of 8 Full-season (117+ DAP) Roundup / stacked corn hybrids in 13 County Standard Tests and in small plot and large strip trials at 3 locations in Tennessee during 2025.

Summary from County Tests			Summary from Large Strip Research									Other Diseases Observed
MS	Hybrid	Avg. Yield (bu/ac)	Research & Education Center at Milan (RECM) Irrigated			On-farm Location (Chester Co) Irrigated			On-farm Location (Gibson Co) Non-irrigated			
			*Treated	Non-treated	Leaf spots	*Treated	Non-treated	Leaf spots	*Treated	Non-treated	Leaf spots	
BC	Agrigold 647-79 VT2P	212.3	191.6	182.0	LOW	243.2	231.4	HIGH	186.4	194.0	LOW	SR, Curvularia
A	Beck's 6973 TCV2P	225.6	213.8	199.3	MOD	236.1	231.0	HIGH	187.7	190.3	MOD	Curvularia
A	Dekalb 68-35 VT2P	221.8	189.4	180.3	LOW	232.6	242.5	HIGH	198.0	197.4	LOW	SR, Curvularia
C	DynaGro 58VC74	203.7	191.4	179.1	LOW	202.9	196.0	HIGH	180.3	179.7	MOD	SR
A	DynaGro 60TC45	227.8	208.5	175.3	MOD	239.7	225.0	MOD	193.2	194.3	MOD	Curvularia
AB	Gateway 3919 TRE	218.8	199.6	172.3	MOD	243.2	256.6	HIGH	190.5	191.2	HIGH	SR, Curvularia
C	Pioneer P17677 YHR	203.3	180.0	169.3	MOD	197.7	197.7	HIGH	178.1	178.0	HIGH	SR, Curvularia
BC	Pioneer P18216 PWE	211.7	187.9	166.3	LOW	218.1	193.5	HIGH	172.3	171.3	HIGH	SR, Curvularia
Average		218.2	195.3	178.0		226.7	221.7		185.8	187.0		

Yield adjusted to 15.5% moisture

MS= Varieties that have any MS letter in common are not statistically different in yield (based on 95% confidence)

*Treated plots sprayed with Trivapro @13.7 fl oz/a + 0.25% Induce @ VT-R1 growth stage

On-farm locations: Chester Co hybrids planted Apr 17 (on 30" row spacing), sprayed July 3, and harvested Sept. 28; Gibson Co hybrids planted 18 (on 38" row spacing), sprayed June 27, and harvested Sept. 3

RECM hybrids planted Apr 28 (on 30" row spacing), sprayed July 3, and harvested Sept. 18

NONE, LOW, MOD, and HIGH is a relative ranking of disease severity at each location. The majority of leaf spots was from grey leaf spot, but also included Curvularia, and potentially other leaf spotting diseases including but not limited to Southern rust.

Disease ratings at RECM: Leaf spots ranged from 3.8 to 11.5%, averaged 7.6%

Disease ratings at On-farm Chester Co Location: Leaf spots ranged from 15-40%, averaged 31.3%

Disease ratings at On-farm Gibson Co Location: Leaf spots ranged from 4 - 24%, averaged 12.9%

Other Diseases Observed based on observations at On-Farm locations: SR=Southern Rust, and Curvularia

Disease ratings & yield data compiled by Dr. Heather Kelly and Wesley Crowder