

Table 12. Yields and disease ratings of 8 Mid-season (114-116 DAP) Roundup / stacked corn hybrids in 15 County Standard Tests and in small plot and large strip trials at 2 locations in Tennessee during 2024.

Summary from County Tests			Summary from Small Plot Research						Summary from Large Strip Research				Other Diseases Observed
MS	Hybrid	Avg. Yield (bu/ac)	On farm Location (JAX) Non irrigated			Research & Education Center at Milan (RECM) Irrigated			West TN Research & Education Center (WTREC) Irrigated		On farm Location (Gibson Co) Non irrigated		
			Yield (bu/ac)	Grey	leaf spot	Yield (bu/ac)	Grey	leaf spot	Yield (bu/ac)	Yield (bu/ac)	Yield (bu/ac)	Yield (bu/ac)	
			*Treated	Non treated		*Treated	Non treated		*Treated	Non treated	*Treated	Non treated	
A	Dyna-Gro 55VC80**	205	109	112	LOW	189	187	LOW	256	240	192	193	SR
A	Dyna-Gro 56TC44	203	118	122	LOW	182	169	LOW	277	254	198	193	Curvularia,
A	AgriGold 645-16 VT2PRO***	203	105	108	LOW	194	174	LOW	244	242	184	188	Curvularia,
A	DeKalb 66-06 TRE*	202	98	105	LOW	200	183	LOW	287	264	205	192	Curvularia, S.Rust
A	DeKalb 65-95 VT2P***	200	118	113	MOD	193	193	LOW	227	210	185	178	Curvularia,
A	Progeny 2215 TRE	200	105	99	MOD	190	175	LOW	260	232	186	181	Curvularia, S.Rust
A	Progeny 9114 VT2P	197	106	95	LOW	192	197	MOD	247	235	188	196	Curvularia
A	Dyna-Gro 54VC34	196	100	108	LOW	211	192	LOW	254	250	178	184	Curvularia, S.Rust
	Average	201	107	108		194	184		257	241	190	188	

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)

* Asterisks after a hybrid name indicate the number of preceding consecutive years in the top-performing "A" group in county trials

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

On-farm locations: Jackson (JAX) hybrids planted Apr. 25, sprayed July 3, & harvested Sept. 10; Gibson Co hybrids planted Apr 17, sprayed June 24, & harvested Sept. 10

RECM hybrids planted Apr. 22, sprayed June 28, and harvested Sept. 26; WTREC hybrids planted Apr 16, sprayed June 25, & harvested Sept. 5

NONE, LOW, MOD, and HIGH is a relative ranking of disease severity at each location.

Disease ratings at On-farm JAX Location: Grey leaf spot ranged from 0.8 - 4.5%, averaged 1.7%

Disease ratings at RECM: Grey leaf spot ranged from 2.3 - 8.5%, averaged 3.8%

Disease ratings & yield data compiled by Dr. Heather Kelly and Wesley Crowder from replicated plots at 2 locations

County and large strip data provided by Ryan Blair, Ext. Area Specialist, and County Extension agents