

Table 7. Yields and disease ratings of 10 Early-season (<114 DAP) Roundup / stacked corn hybrids in 9 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)		
			*Treated	Non treated	leaf spot	*Treated	Non treated	leaf spot	*Treated	Non treated	*Treated	Non treated	
A	Dekalb 111-35 VT2RIB	244	102	97	LOW	219	211	MOD	265	264	202	194	
AB	Pioneer P1377PWUE	236	83	84	LOW	201	194	LOW	267	285	194	202	S.Rust
AB	Dyna-Gro 53TC23 *	234	109	106	LOW	198	212	MOD	251	250	229	234	S.Rust
AB	Pioneer P13841PWUE	233	92	92	LOW	-	-	-	262	281	195	197	
AB	AgriGold 643-52 VT2PRO	230	106	111	LOW	209	219	LOW	269	252	215	201	Curvularia, S.Rust
B	Croplan 5208	230	97	91	MOD	197	192	MOD	245	253	192	194	
B	Dyna-Gro 50VC09	229	86	76	LOW	214	196	MOD	221	247	204	192	Curvularia
BC	Pioneer P1170 YHR	228	94	85	-	185	183	MOD	251	249	188	185	S.Rust
BCD	Dyna-Gro 53VC54	223	100	117	LOW	-	-	-	225	253	186	182	S.Rust
D	Progeny 2010 TRE	213	81	80	LOW	180	183	HIGH	192	191	182	179	Curvularia, S.Rust
	Average	230	95	94		200	199		245	253	199	196	

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. 23; 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 0.5 - 8.3%, averaged 2.7%

Disease ratings at RECM: Grey leaf spot ranged from 2.3 - 15.5, averaged 6.9%

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