

Results from 2008 South Carolina County Corn Trials

Dr. Pawel Wiatrak pwiatra@clemson.edu

STACKED (Roundup Ready + Bt) CORN

Clarendon County

Stacked

Variety	% Moisture	Test weight (lb/Bu)	Grain Yield (Bu/A)
Pioneer 31G71	21.6	52	134.3
DeKalb DKC69-40 VT3	23.2	51	125.4
NK N78NGT/CB/LL	22.0	51	124.1
DeKalb DKC67-23 RR/YG	23.6	52	119.0
Southern States 647VT3	21.3	48	116.2
Augusta 08-71RRCB	25.9	51	114.9
NK N77P300GT	19.3	52	114.0
AgraTech 8801CB/LL/GT	19.7	51	100.7
Dyna-Gro 57V44*	21.5	55	95.4
Pioneer 33M57	18.1	52	91.5
Augusta 5234RRCB	17.0	45	84.0

Darlington County

Stacked

Variety	% Moisture	Test weight (lb/Bu)	Grain Yield (Bu/A)
Dyna-Gro V5373VT3*	15.4		58.2
DeKalb DKC69-44 VT3	15.3		57.7
Pioneer 31G71	15.9		54.9
NK N78NGT/CB/LL	15.4		51.1
NK N77P300GT	15.8		50.7
Southern States 647VT3	15.4		50.2
Augusta 5234RRCB	15.3		46.1
Dyna-Gro 57V44*	15.3		45.9
Pioneer 33M57	15.6		45.2
Trisler T-9J38RRCB	15.7		42.6
Trisler T-8N51RRCB	15.7		39.1
DeKalb DKC67-23 RR/YG	15.5		38.0
Augusta 08-71RRCB	15.7		34.1

Georgetown County

Stacked

Variety	% Moisture	Test weight (lb/Bu)	Grain Yield (Bu/A)
NK N78NGT/CB/LL	16.0		91.2
Dyna-Gro V5373VT3	15.8		90.8
NK N77P300GT	16.2		88.1
DeKalb DKC69-44 VT3	15.6		85.6
DeKalb DKC63-42	16.0		85.4
Dyna-Gro 57V44	15.8		83.1
Augusta 08-71RRCB	16.1		80.8
Southern States 647VT3	15.6		80.4
Pioneer 31G71	15.6		78.4
Pioneer 33M57	15.4		77.7
Augusta 5234RRCB	16.4		77.5
DeKalb DKC67-23 RR/YG	16.4		66.3

Lee County

Stacked			
Variety	% Moisture	Test weight (lb/Bu)	Grain Yield (Bu/A)
NK N77P300GT	15.7		94.8
Trisler T-7N53VT3	18.3		90.0
AgraTech 8801CB/LL/GT	16.1		83.3
Dyna-Gro V5373VT3	17.5		82.2
Southern States 647VT3	16.2		80.0
DeKalb DKC69-44 VT3	16.8		74.9
Dyna-Gro 57V44	15.8		74.2
Augusta 08-71RRCB	16.1		64.5
DeKalb DKC67-23 RR/YG	18.0		62.2
Augusta 5234RRCB	16.5		49.3
Pioneer 31G71	20.6		44.2
Pioneer 33M57 **	27.3		29.6

** Heavy green pigweed and poor stand

Sumter County

Stacked			
Variety	% Moisture	Test weight (lb/Bu)	Grain Yield (Bu/A)
DeKalb DKC69-40 VT3	17.0	58	197.7
Pioneer 33M57	16.3	58	185.8
DeKalb DKC67-23 RR/YG	17.1	58	185.7
Pioneer 31G71	16.4	58	182.6
Dyna-Gro 57V44*	17.6	53	169.3
Dyna-Gro V5373VT3*	16.3	52	154.9
NK N77P300GT	16.7	53	135.2
Augusta 5234RRCB	16.0	51	122.8
Southern States 647VT3	16.3	52	109.5

ROUNDUP READY CORN

Darlington County

Roundup Ready			
Variety	% Moisture	Test weight (lb/Bu)	Grain Yield (Bu/A)
Southern States 647RR2	15.7		43.3
Pioneer 33M53	15.5		39.6
Dyna-Gro 57K33*	15.5		36.4
Pioneer 31G65	15.3		34.4
Garst 82R45GT	15.4		32.0
NK N78NGT/CB/LL	15.4		29.5
Dyna-Gro 58K81*	15.5		23.1
DeKalb DKC69-72 RR	15.0		21.1
Augusta 5175RR	15.3		20.9
Augusta 08-008RR	15.2		20.8
DeKalb DKC61-72 RR	15.0		5.5

Dorchester County

Roundup Ready Variety	% Moisture	Test weight (lb/Bu)	Grain Yield (Bu/A)
Dyna-Gro 58P59	15.0		120.0
Pioneer 31G71	15.3		118.0
Pioneer 33M57	14.9		108.3
Dyna-Gro 58K62	16.8		91.8
Dyna-Gro 58P60	16.7		87.9
Dyna-Gro 58P74	15.8		84.9
DeKalb DKC69-72 RR	15.8		82.9
Dyna-Gro 58K81*	15.5		49.0
Pioneer 31G65	13.7		45.5
DeKalb DKC61-72 RR	15.1		34.3
Augusta 08-008RR	14.1		33.5
Dyna-Gro 57K33*	15.2		32.3
Augusta 5175RR	13.6		18.9

Georgetown County

Roundup Ready Variety	% Moisture	Test weight (lb/Bu)	Grain Yield (Bu/A)
NK N78NGT/CB/LL	16.2		100.6
Pioneer 31G65	16.2		96.2
Augusta 5175RR	16.4		96.0
Garst 82R45GT	16.2		91.5
Pioneer 33M53	16.2		91.1
Augusta 08-008RR	16.0		90.4
DeKalb DKC69-72 RR	16.2		86.0
Dyna-Gro 57K33	16.0		79.7
DeKalb DKC61-72 RR	16.0		78.1
Southern States 647RR2	16.4		71.7
Dyna-Gro 58K81*	16.2		69.3

Lee County

Roundup Ready Variety	% Moisture	Test weight (lb/Bu)	Grain Yield (Bu/A)
Pioneer 31G65**	16.0		63.3
Dyna-Gro 57K33*	17.1		51.1
Pioneer 33M53	17.6		47.9
DeKalb DKC69-72 RR	17.2		27.6
Southern States 647RR2	16.4		27.1
DeKalb DKC61-72 RR	15.6		26.2
Dyna-Gro 58K81*	16.6		24.1
NK N78NGT/CB/LL	16.4		19.5
AgraTech 797RR	16.4		19.1
Augusta 08-008RR	16.9		8.2
Garst 82R45GT	15.3		6.5

** Problems with lodging

CONVENTIONAL CORN

Clarendon County

Conventional Variety	% Moisture	Test weight (lb/Bu)	Grain Yield (Bu/A)
NK N68-B8CB/LL/Rw	15.8	53	128.9
DeKalb 697	15.7	55	114.8
Augusta 08-008P	18.8	54	106.3
Agratech 1777	19.3	56	94.2
Agratech 7754	18.7	55	90.2
Augusta 07-007P	18.1	54	88.8
Pioneer 31P41	24.5	56	57.2
Southern States 791CL	22.7	54	48.0

Georgetown County

Conventional Variety	% Moisture	Test weight (lb/Bu)	Grain Yield (Bu/A)
Augusta 08-008P	16.2		91.4
Augusta 07-007P	15.8		82.8
Pioneer 31P41	16.4		81.5
NK N68-B8CB/LL/Rw	16.6		76.5
Southern States 791CL	16.4		56.2

Lee County

Conventional Variety	% Moisture	Test weight (lb/Bu)	Grain Yield (Bu/A)
AgraTech 1777	16.0		82.5
NK N68-B8CB/LL/Rw	15.5		81.3
Augusta 07-007P	17.0		63.7
Pioneer P31P41	20.5		62.1
Augusta 08-008P	18.1		60.6
Southern States 791CL	18.1		47.5

* Changed corn hybrid name for 2009 growing season (Vigoro V60R86 to Dyna-Gro 58K81, Vigoro V56R66 to Dyna-Gro 57K33, Vigoro V5273VT3 to Dyna-Gro 57V44, and Vigoro V5373VT3 to Dyna-Gro V5373VT3).