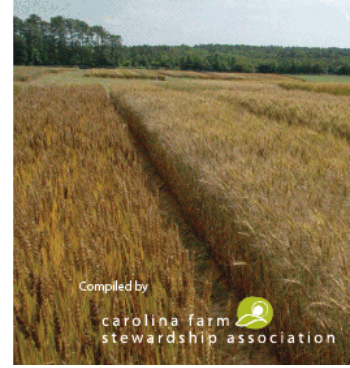




Southeast Organic Seed + Variety Trial Report



Compiled by
carolina farm
stewardship association

NC Organic Wheat Official Variety Trial, 2011 – 2014

North Carolina State University
Dr. Chris Reberg-Horton and Molly Hamilton

Variety name	Grain Yield (bu/acre)	Test Weight (lbs/bu)	Falling Number	Protein (%)
Featherstone	79.1	56.2	318	11.6
SS8500	75.7	56.5	245	11.2
Pioneer 26R20	74.7	59.0	356	10.6
NC Yadkin	74.6	58.3	399	11.7
Oakes	72.7	58.0	380	11.2
USG3251	72.4	56.4	326	11.1
SS8340	72.3	57.7	310	11.4
SS8404	71.9	58.6	334	11.3
SS8641	70.0	56.7	351	12.3
SS8308	69.9	57.7	326	11.8
Pioneer 26R12	69.3	58.7	341	11.4
AgriMAXX413	68.7	54.8	358	11.2
2013412	68.6	57.1	382	11.4
USG3201	68.1	58.4	323	12.0
NC Cape Fear	67.7	57.2	383	11.7
DynaGroShirley	67.4	55.9	364	11.5
AgriMAXX415	67.2	56.7	336	11.8
SS520	67.0	55.3	368	11.1
Pioneer 25R32	65.3	58.6	376	11.6
SS5205	65.3	55.6	320	10.9
SS8302	65.0	57.6	323	11.7
USG3555	64.9	55.5	346	11.9
USG3592	63.6	54.2	293	11.0
USG3438	61.4	56.4	347	10.8
NC Neuse	61.3	57.6	366	12.1

2011-2014 Organic Wheat OVT Results (Entries appearing only one year)

Variety name	Grain Yield (bu/acre)	Test Weight (lbs/bu)	Falling Number	Protein (%)
Pioneer26R10	80.5	60.4	345	11.8
AgriMAXX434	80.2	55.6		
NCPT01-1433	77.4	53.0	165	11.0
SY9978	75.5	56.3	407	11.9
ARS09-750	75.3	58.0		
ARS09-155	74.3	57.1		
DynaGroBaldwin	73.3	58.2	353	11.1
MPV57	73.2	56.4	341	11.3
AgriMAXX427	72.8	55.0		
DynaGroV9723	72.4	56.9	326	10.6
Progeny185	71.7	56.9	330	11.1
USG3523	71.3	56.6	341	11.0
Arcia (Triticale)	69.9	52.4	95	12.0
NC08-21273	69.8	57.5		
NC8170-4-3	69.8	57.5		
GA031257-10LE34	69.5	58.6	363	11.5
SYHarrison	69.3	56.0	309	11.0
NC05-2651	69.0	52.7	139	12.1
GA031086-10E26	68.5	56.1	387	11.3
DynaGroV9713	68.2	56.9	333	12.5
USG3209	67.9	56.9	356	11.4
NC8932-12	67.6	58.3		
SS8700	67.4	55.8	377	11.9
USG3120	67.4	55.4	335	11.3
Jamestown	66.7	59.2	341	11.5
NC04-20814	66.5	58.1	336	11.4
Coker9553	66.4	58.2	367	13.1
ARS10-389	66.3	56.9		

Variety name	Grain Yield (bu/acre)	Test Weight (lbs/bu)	Falling Number	Protein (%)
Coker9436	65.8	55.5	371	12.9
ARS10-211	65.6	57.6		
GA04570-10E46	65.4	57.5	317	12.1
Panola	65.2	56.4	332	10.8
Progeny117	65.1	57.1	323	11.0
USG3725	64.7	54.9	313	10.2
Progeny166	64.5	57.0	329	10.8
GA001138-8E36	64.4	59.4	323	11.4
Progeny125	63.9	56.4	316	11.0
GA031238-7E34	63.1	56.2	349	12.3
Merl	62.9	57.3	351	11.1
GA001170-7E26	62.6	59.6	329	11.4
Pioneer26R31	61.1	57.4	334	11.3
NC05-19896	61.0	57.4	345	12.1
SS8309	60.9	55.5	345	10.3
VA08W-294	60.3	57.5	371	11.2
ARS09-367	59.9	58.5		
USG3409	59.2	55.0	402	10.9
NC05-19684	58.9	57.6	350	12.1
SS560	55.2	55.7	345	11.5
GA021245-9E16	54.6	59.5	381	12.8
ARS07-1214	52.7	56.7		
Appalachian	51.7	54.5		
<i>R Square</i>	0.89	0.53	0.85	0.96
<i>CV</i>	13.5	8.5	10.9	5.0
<i>RootMSE</i>	9.5	4.9	36.8	0.6
<i>DepMean</i>	70.7	57.5	337	11.5
<i>LSD</i>	7.2	3.6	44.4	0.7

The wheat trials were planted since 2011 at 2-3 sites each year. Sites were located on the Coastal Plain (Kinston, Goldsboro, Hertford) and in Salisbury.

All planting dates and production protocol come from the Organic Grain Production Guide (<http://www.cefs.ncsu.edu/resources/organic-grain-guide-2013.pdf>) and from the NC Small Grain Production Guide(<http://www.smallgrains.ncsu.edu/>).

The Carolina Farm Stewardship Association would like to thank North Carolina State University's Dr.Chris Reberg-Horton and Molly Hamilton for permission to include this data in the [SE Organic Seed and Variety Trials Report](#).