



NC Organic Soybean and Wheat Variety Trials, 2014 Harvest

Kelli Dale, Rural Advancement Fund International (RAFI)
Perquimins, Chatham, Iredell, Moore County

Soybeans

The soybeans were planted in Perquimans County on 36 inch rows. Due to the wet weather that year they were not planted until July 23, 2013. Harvest date was November 25th. The varieties with the letter-number names are still in the NCSU breeding program and not yet available to the public.

Variety	Bu/acre	Bu/acre	Bu/acre	Average
NCC06-929	33.9	33.9	33.8	33.9*
NC05-7432	33.5	33.7	33.0	33.4*
NCC07-8138	31.9	32.0	32.7	32.2
NCC06-899	32.7	34.2	26.2	31.0
NCC06-579	30.7	33.5	28.1	30.8
Roy	32.5	29.1	30.4	30.7

*Marginally significantly different at 30% from the variety ranked directly below it. All other ranking are not statistically significant.

Wheat

The wheat trials were planted in Chatham, Iredell and Moore County. RAFI is doing on-farm test plots using some of the same varieties NCSU includes in their Organic OVT. Three soft wheat varieties were tested along with two hard wheat varieties. The plots were planted October 25, 29, and 30, 2013. Harvest dates were June 16th, 19th, and 20th. The

planting rate was 150 lbs/acre. Chicken litter was applied to two sites and Nature Safe 10-2-8 and 13-0-0 was applied at the third site.

Soft Wheat Varieties

Variety	Average Bu/acre	Test weight (lbs/bu)	Falling number	Protein (%)
USG 3251	65.0	63.6	330	10.2
USG 3201	63.1*	64.4	364	10.8
Featherstone	56.2	60.9	312	10.8

*USG 3201 is statistically different from Featherstone at 5%. USG 3251 and USG 3201 are not statistically different.

Hard Wheat Varieties**

Variety	Average Bu/acre	Test weight (lbs/bu)	Falling number	Protein (%)
Tam 303	58.3*	61.3	389	11.2
NuEast	46.9	67.8	467	11.3

*Tam 303 is statistically different from NuEast at 5%.

** The hard wheat was only tested at two locations.

The Carolina Farm Stewardship Association would like to thank Kelli Dale of the Rural Advancement Fund International (RAFI) for permission to include this data in the [SE Organic Seed and Variety Trials Report](#).