Performance of White Winter Wheat Varieties

Dr. Steven Prochaska, AGNR Extension- Crawford County

Objective

To obtain agronomic data on white wheat production in northwestern Ohio.

Background

Crop Year:	1997	Soil Test:	pH 7.0; P 51 lbs./A;
Cooperator:	David Brewer		K 212 lbs./A
County/Town:	Crawford/ Bucyrus	Fertilizer Applied:	300# 7-28-28 fall
Drainage:	Improved		65# 28% N on 3/21/1997
Major Soil Type:	Blount	Herbicide:	4/28/1997: MCPA 1 pt.
Previous Crop:	Soybean	Planting Rate:	120 lbs./A
Tillage:	Disk	Planting Date:	October 24, 1996
		Harvest Date:	July 21, 1997

Materials and Methods

Field was disked and fertilized prior to planting three white wheat varieties, Pioneer 2737W, Karena, and Bavaria along with a red wheat variety, Hopewell, in a completely randomized design. Individual plot size was 30' x 540' using four replications for each variety.

Results

Wheat Hybrid	Yield (bu/A)
Bavaria	66.7 a
Karena	70.5 a
Hopewell	73.5 a
Pioneer 2737W	80.7 b

Wheat hybrids followed by the same letter are not significantly different at the 5% level.

Summary and Notes

The milling industry in Ohio uses white winter wheat in the production of various flour blends and cake mixes. White wheat is currently imported into the state from Michigan, Ontario, and New York to fill this demand. If winter white wheat varieties have yields comparable to red wheat varieties, this would provide an alternative crop for Ohio wheat growers.

The wheat varieties used in this trial grew uniformly and very well with virtually no diseases present. There was only a slight amount of Stagnospora present.

For additional information, contact:

Dr. Steven Prochaska
The Ohio State University
prochaska.1@osu.edu