

Long-term Cropping Systems Trial

	1999-2002	2003-2006
Crop Yield		
Barley	manure < 80 lbs N	manure = 80 lbs N
Corn	manure = 80 lbs N	manure = 80 lbs N
Sunflowers	manure = 80 lbs N	manure = 80 lbs N
Wheat	manure > 80 lbs N	manure > 80 lbs N
Soil Property		
ppm Nitrate	manure < 80 lbs N	manure < 80 lbs N
% Organic Matter	manure > 80 lbs N	manure > 80 lbs N
pH	manure > 80 lbs N	manure > 80 lbs N

Trial conducted at NDSU Carrington Research Extension Center