



EcoFungi trial in wheat

Product: EcoFungi
Crop: Wheat

Trial setting: Field trial
Location: Cundinamarca, Colombia

Methods

Wheat (variety Durham) was grown by conventional methods (Control treatment), by conventional methods with EcoFungi inoculation (Treatment 1) and by organic methods which consisted in the use of green compost prior to planting and inoculation with EcoFungi (Treatment 2).

Wheat seeds used in Treatments 1 and 2 were inoculated with EcoFungi before planting at a dose rate of 1 kg of EcoFungi for the seeds used in one hectare plot (0.89 lbs for the seeds used in an acre).

At the end of the culture cycle several parameters were evaluated including yield, percent colonization of mycorrhizae in roots, and foliar concentrations in parts per billion (ppb) of nitrogen, phosphorus, iron, manganese and zinc.

Results

Treatment	Control	Treatment 1	Treatment 2
Culture method	Conventional	Conventional with EcoFungi	Organic With EcoFungi
Yield (Kg/ha)	2,018	3,229	3,530
% colonization	0	62	60
Foliar Nitrogen	0.98	1.22	1.35
Foliar phosphorus	0.09	0.12	0.15
Foliar iron	75	93	137
Foliar manganese	33	43	44
Foliar zinc	23	40	27