

Figure Appendix

Overall Data Set.....	2
-----------------------	---

Crop Type Data Set

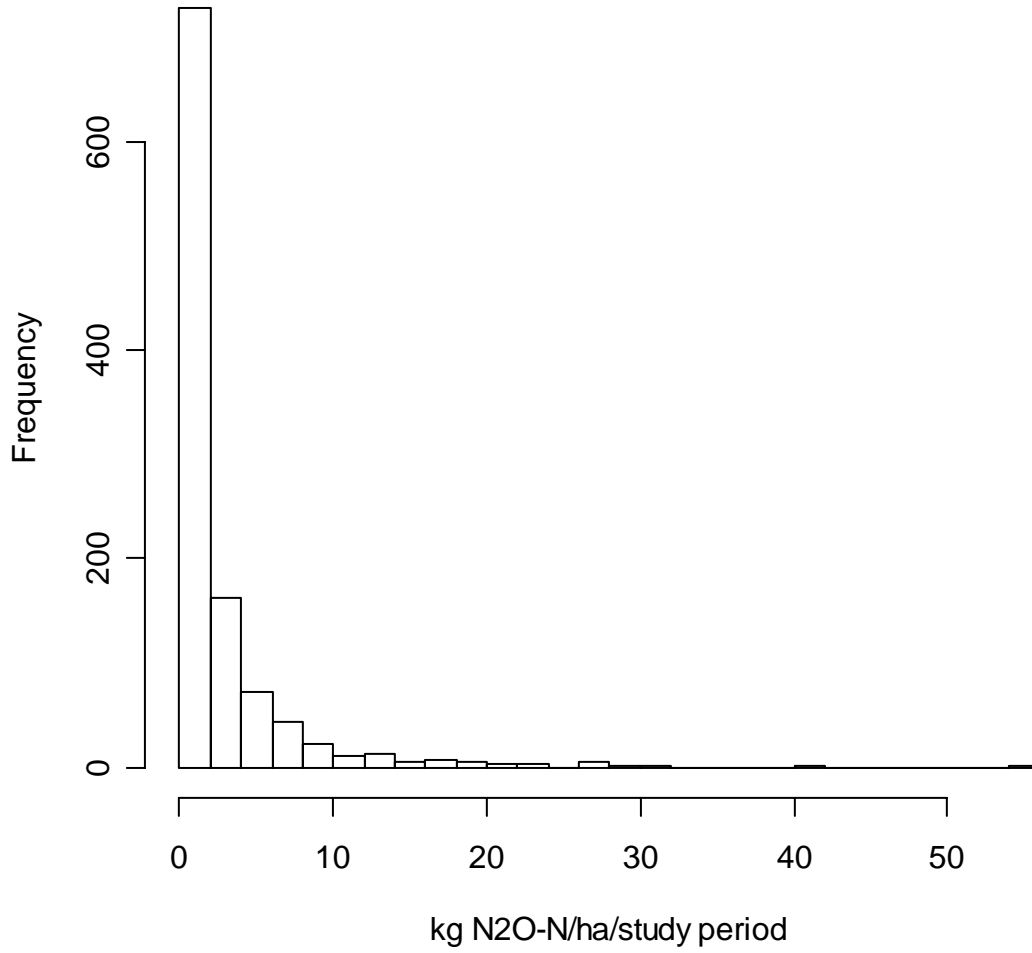
Bare.....	10
Barley.....	16
Cereal.....	22
Corn.....	28
Grass.....	34
Oil Seed Rape.....	40
Rice.....	46
Vegetable.....	52
Wheat.....	58

Fertilizer Type Data Set

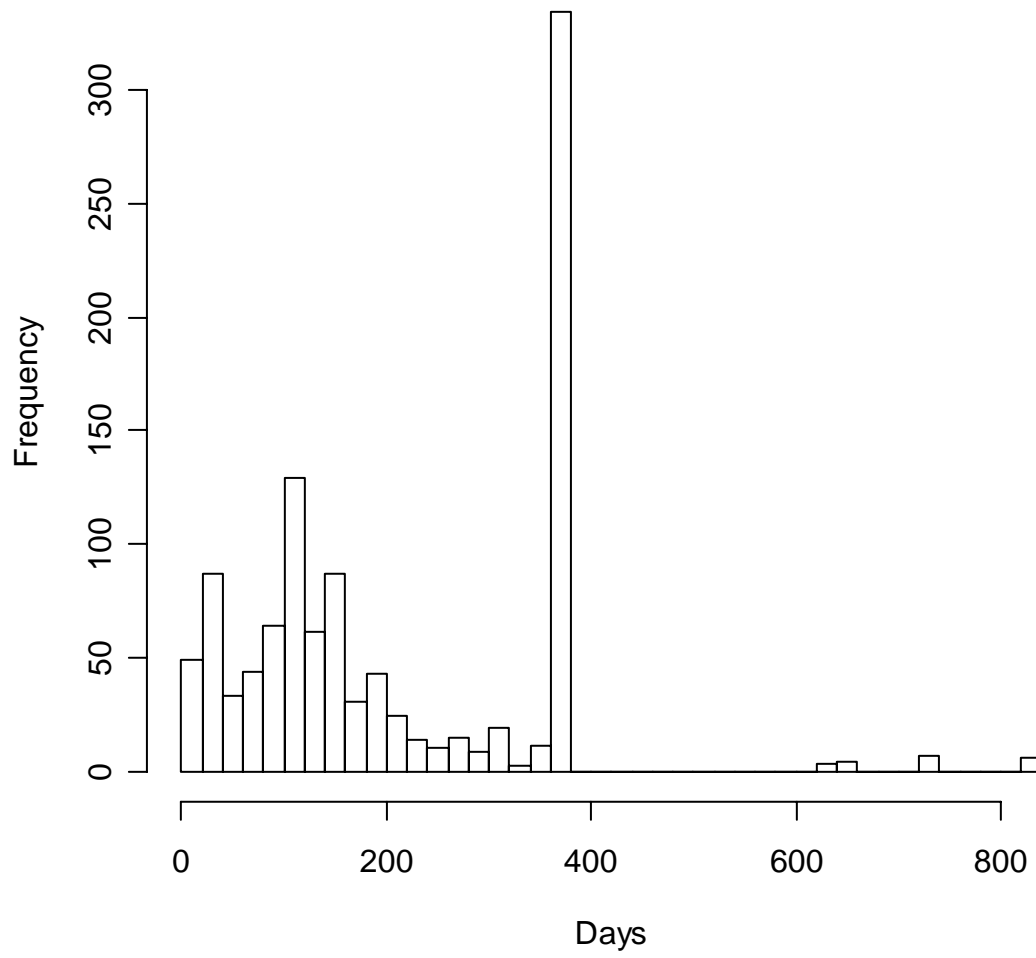
Ammonia.....	64
Ammonium Nitrate.....	68
Ammonium Nitrate-Manure.....	72
Manure.....	76
Nitrate.....	80
Urea.....	84
Urea-Ammonium Nitrate.....	88

Overall Data Set

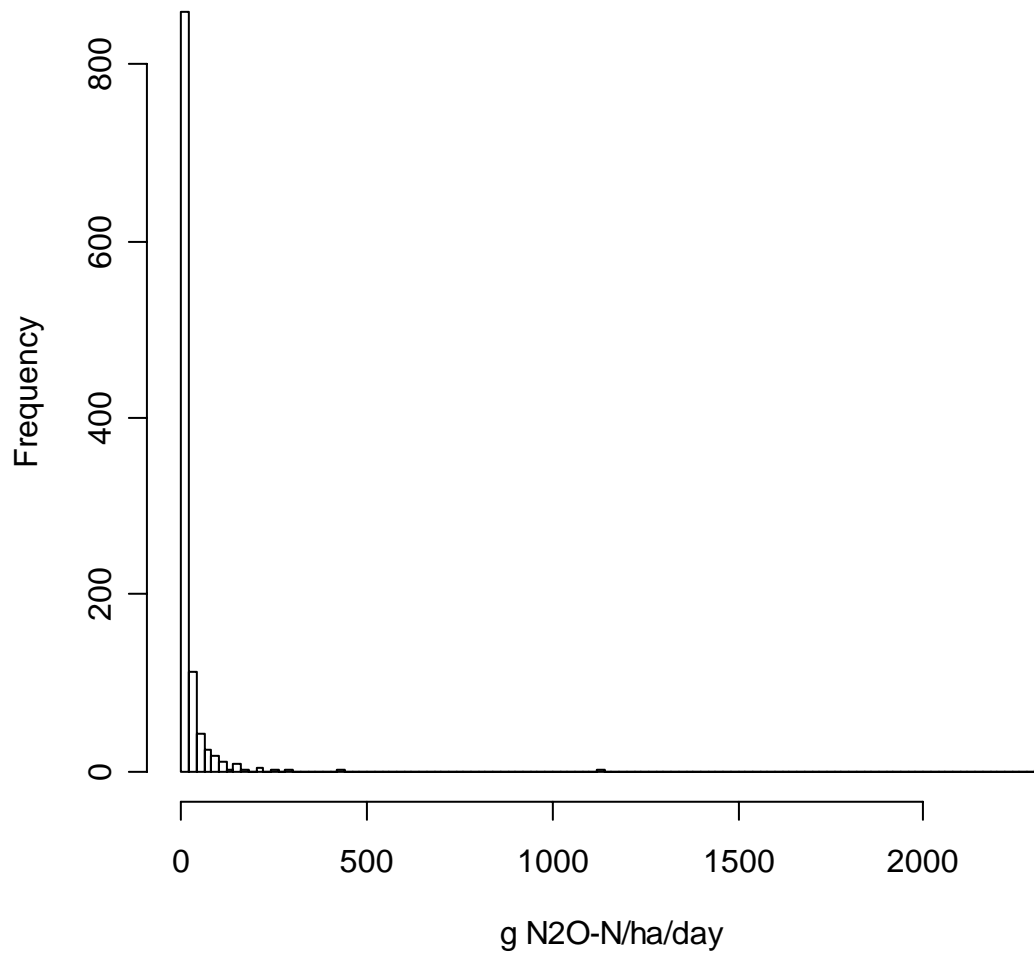
Total N2O Emission Histogram



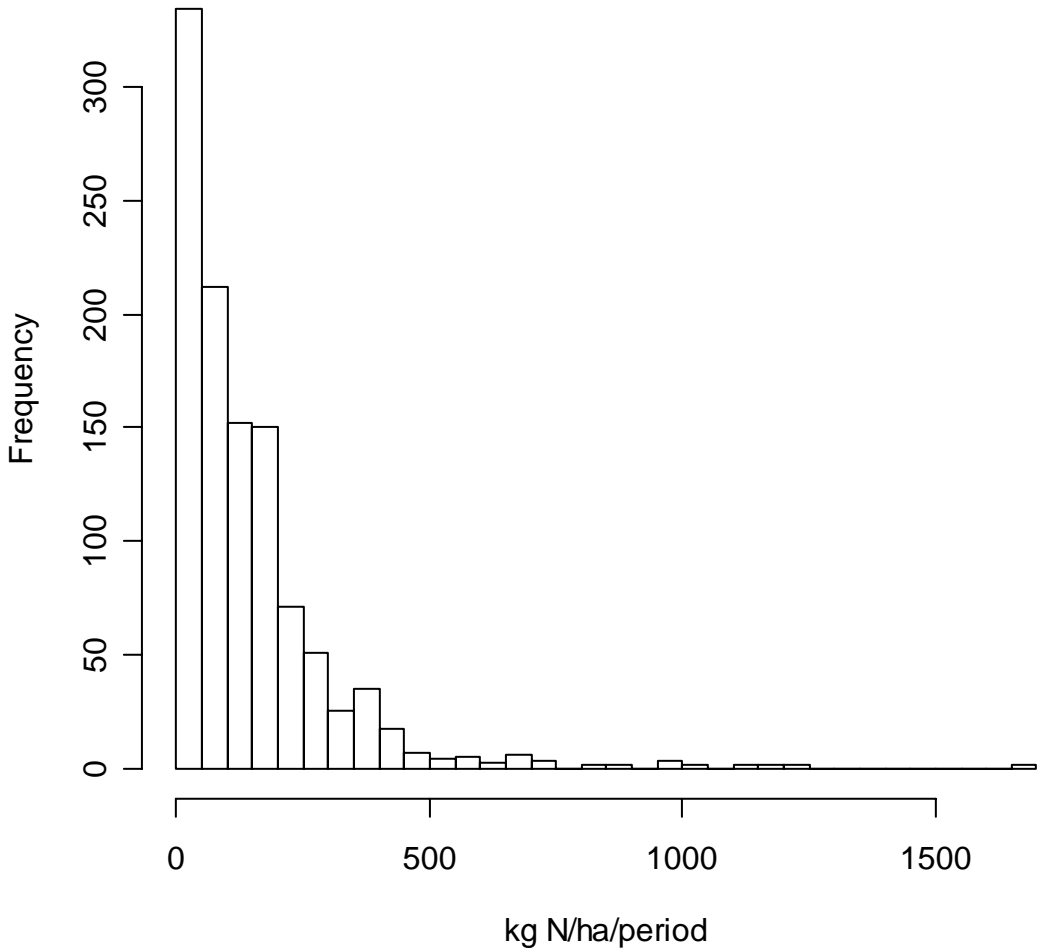
Sample Period Histogram



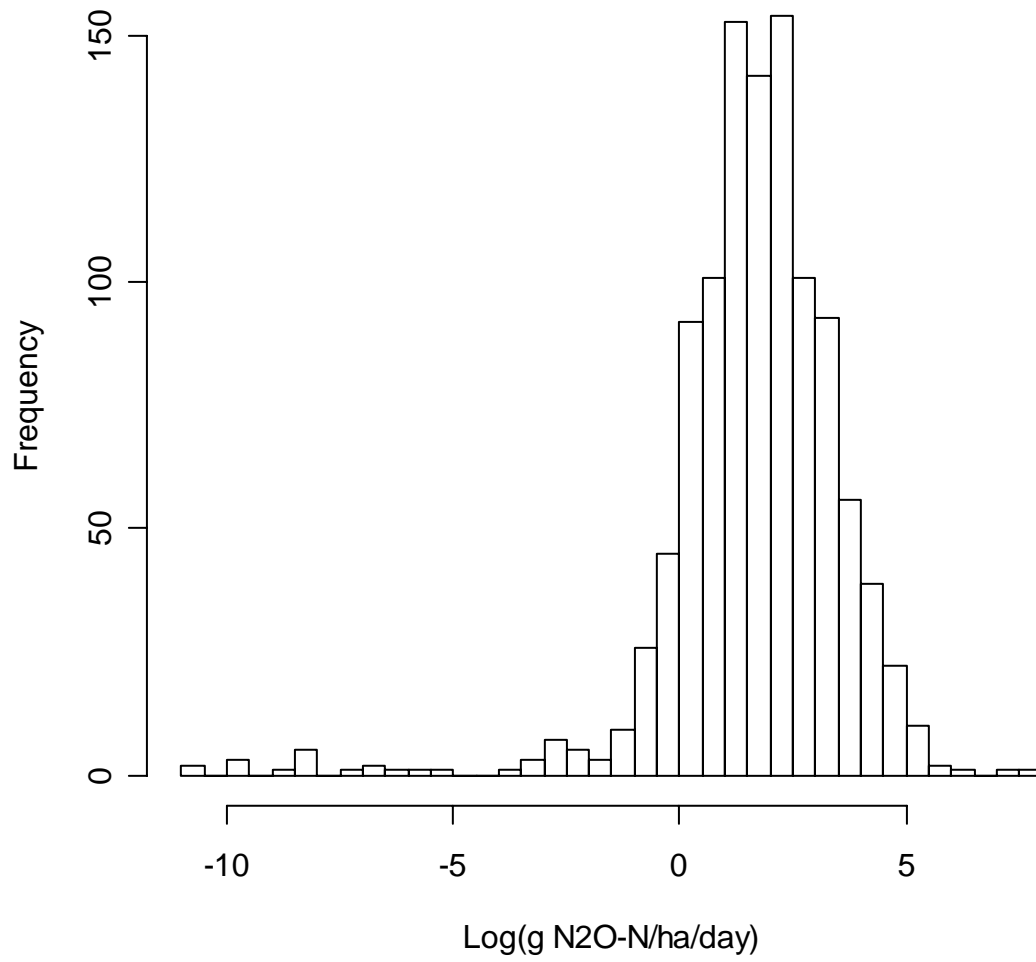
Overall Average Daily N2O Emissions Histogram



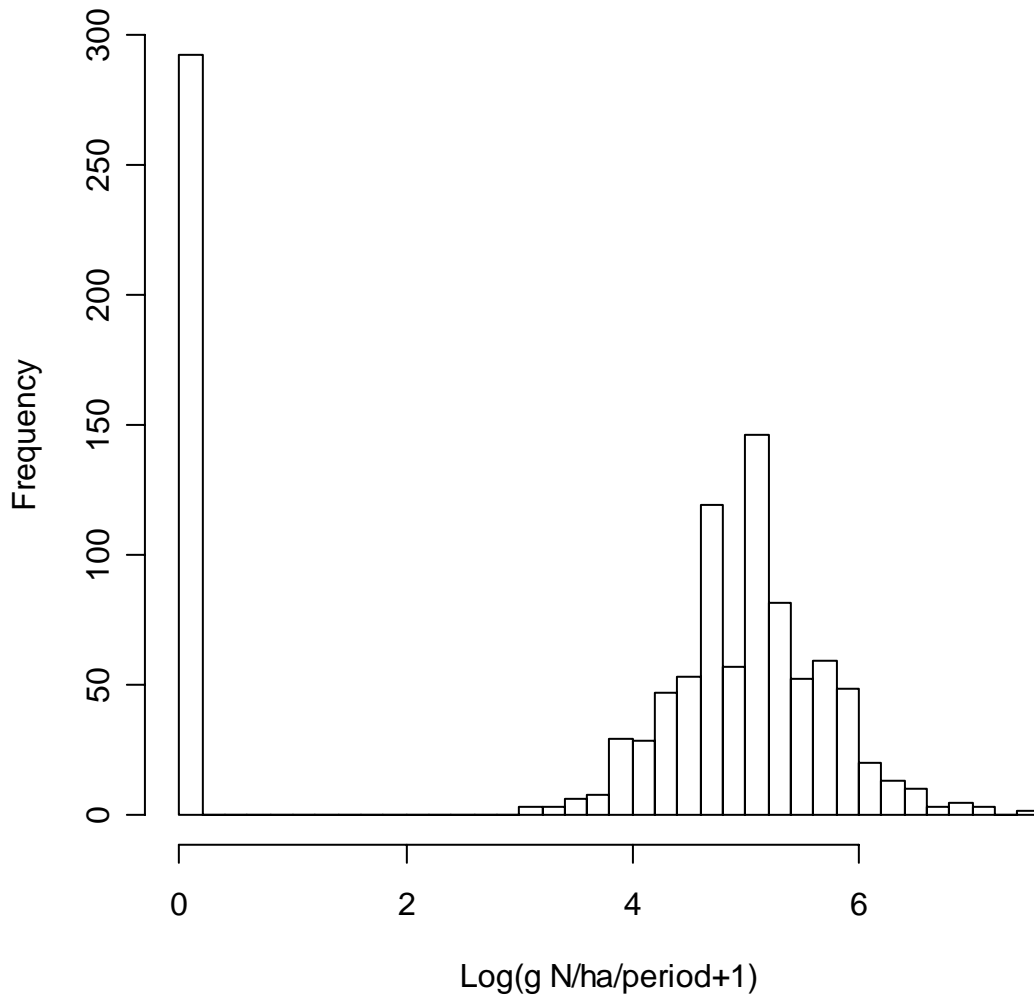
Overall Nitrogen Input Histogram



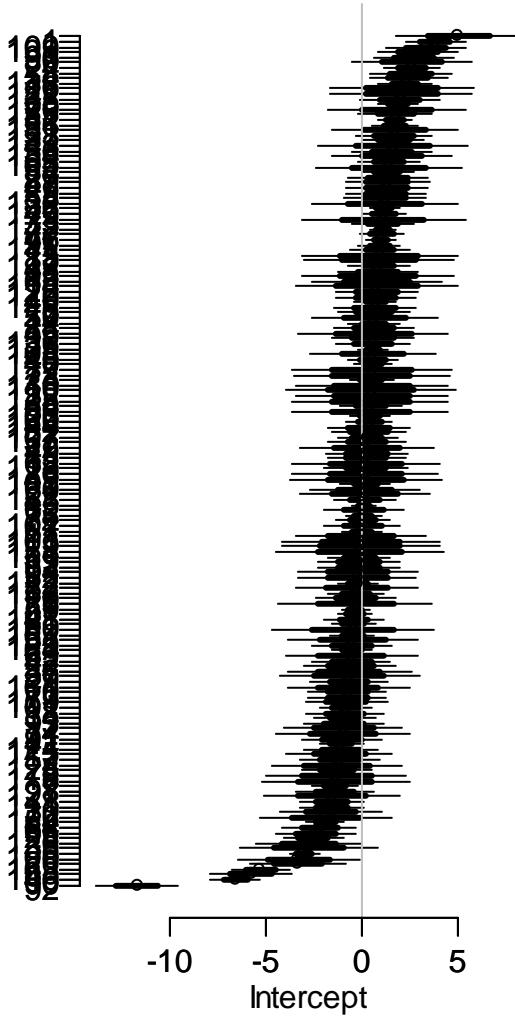
Overall Log(Average Daily Emissions) Histogram



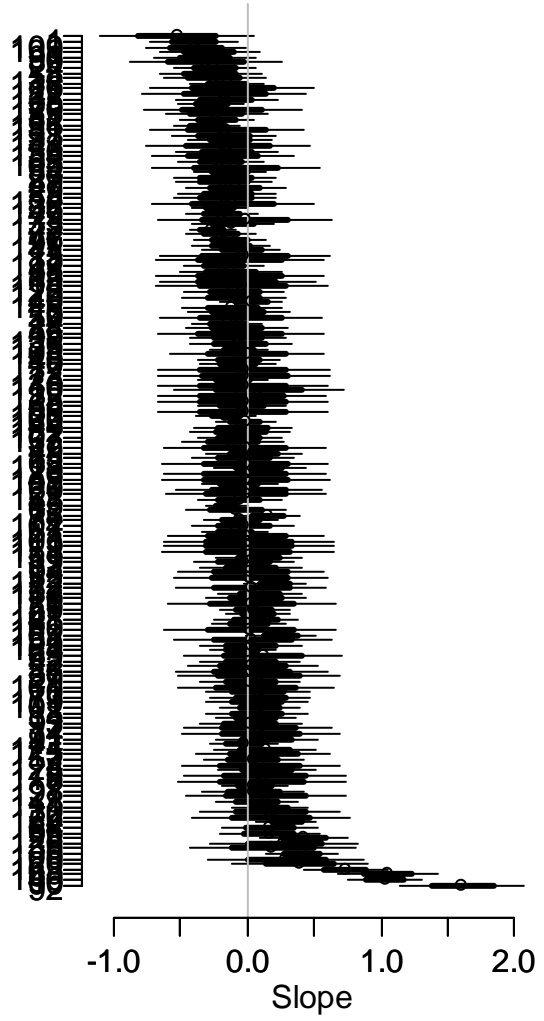
Overall Log(N Input+1) Histogram



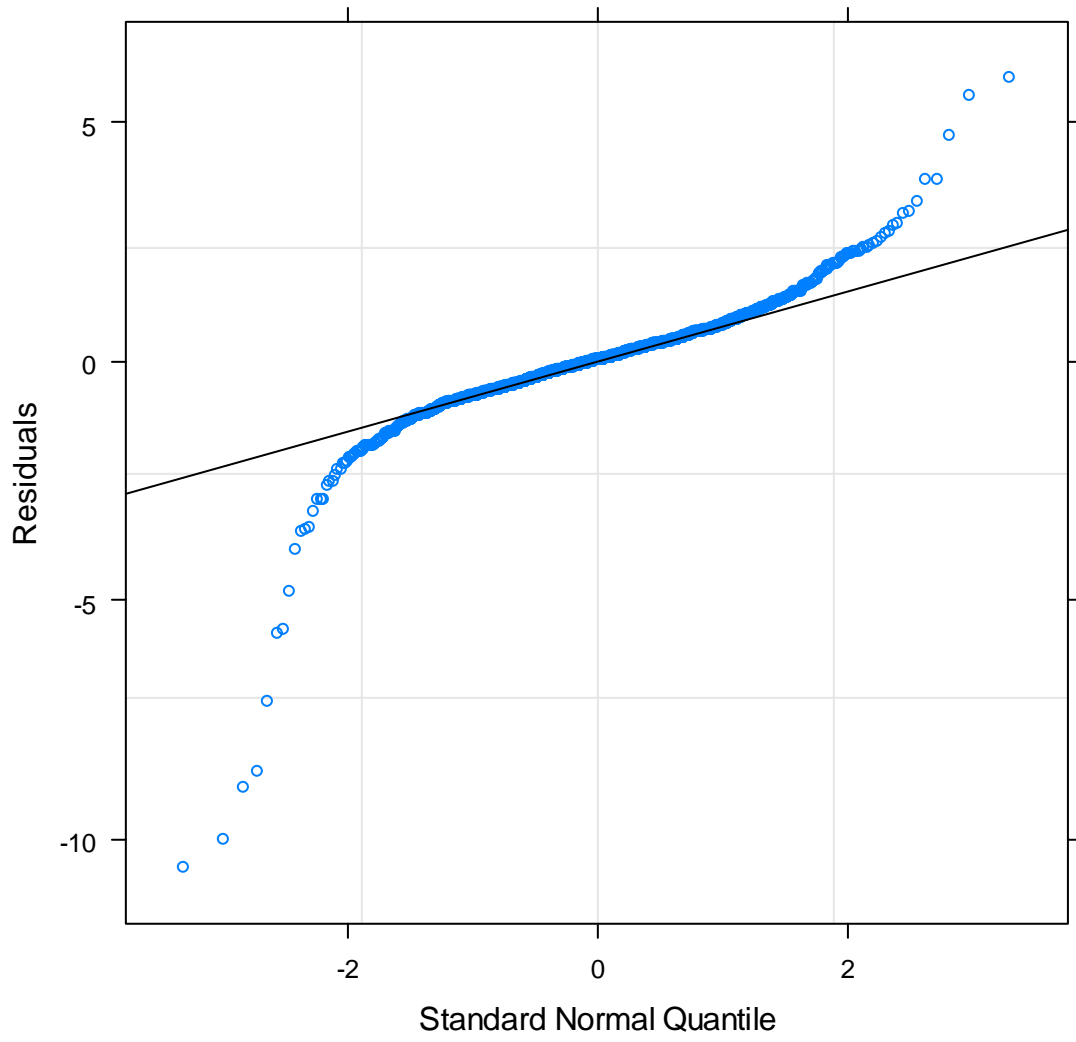
0.485



0.344



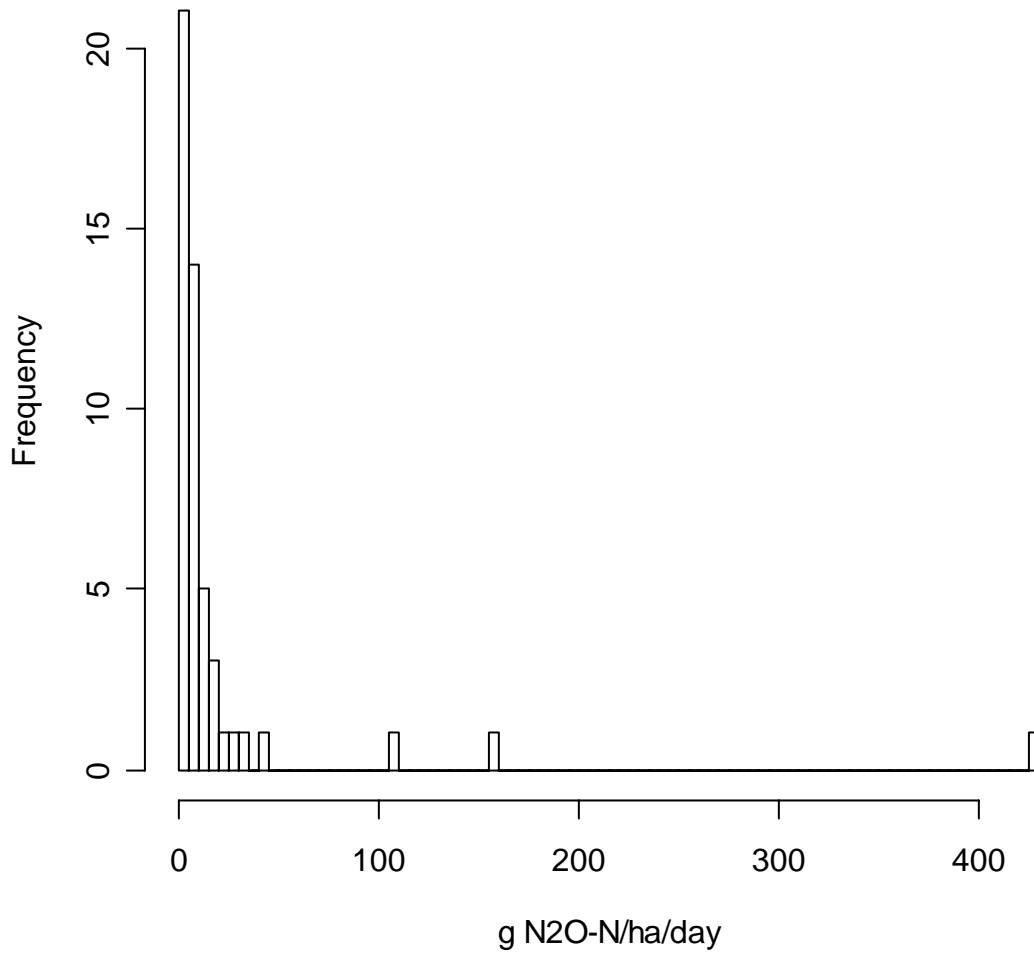
Overall MLM



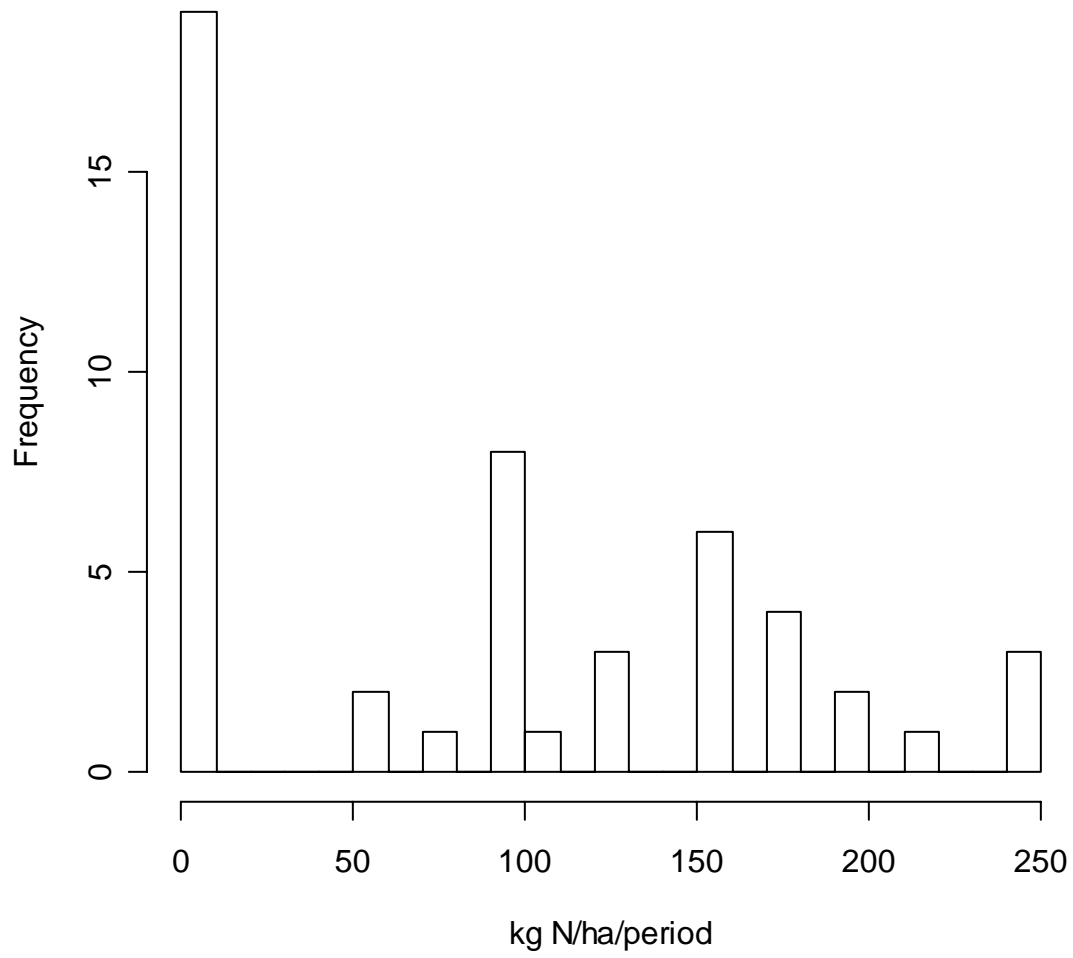
Crop Type Models

Bare

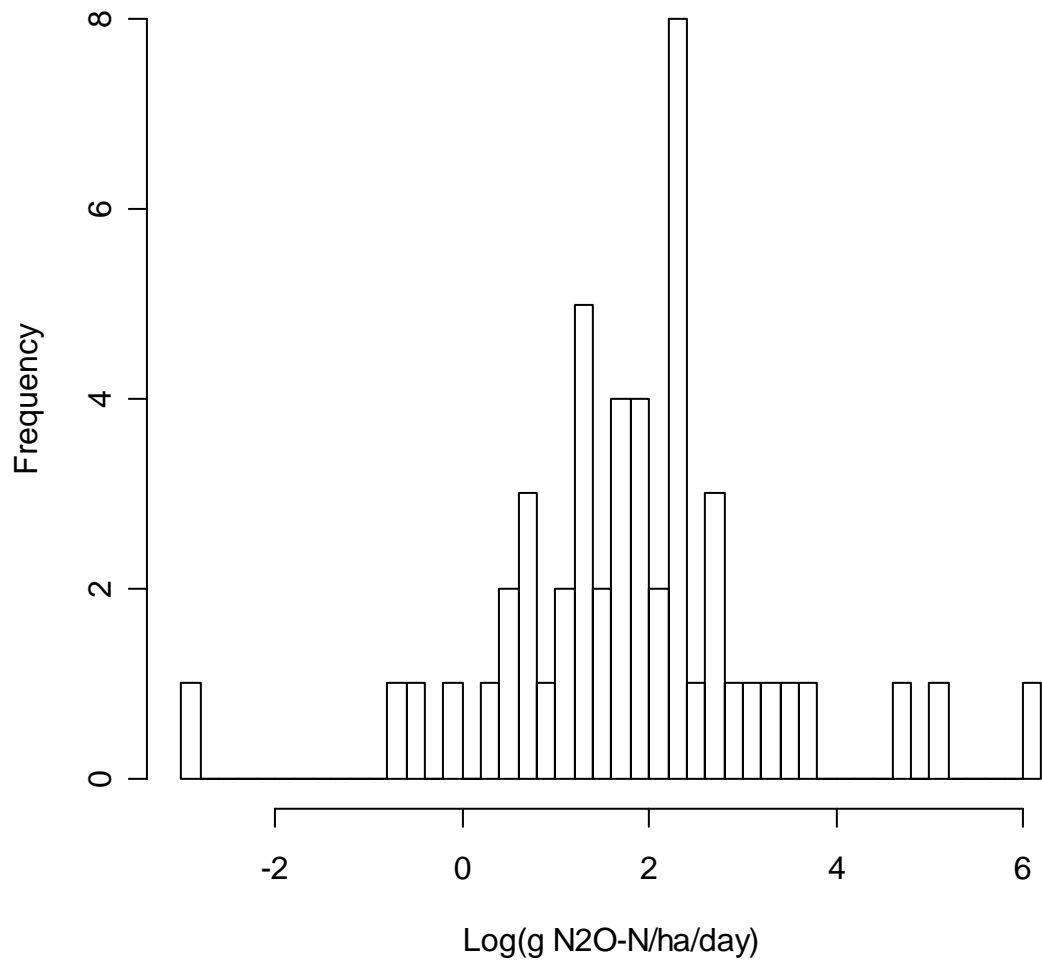
Bare Average Daily N₂O Emissions Histogram



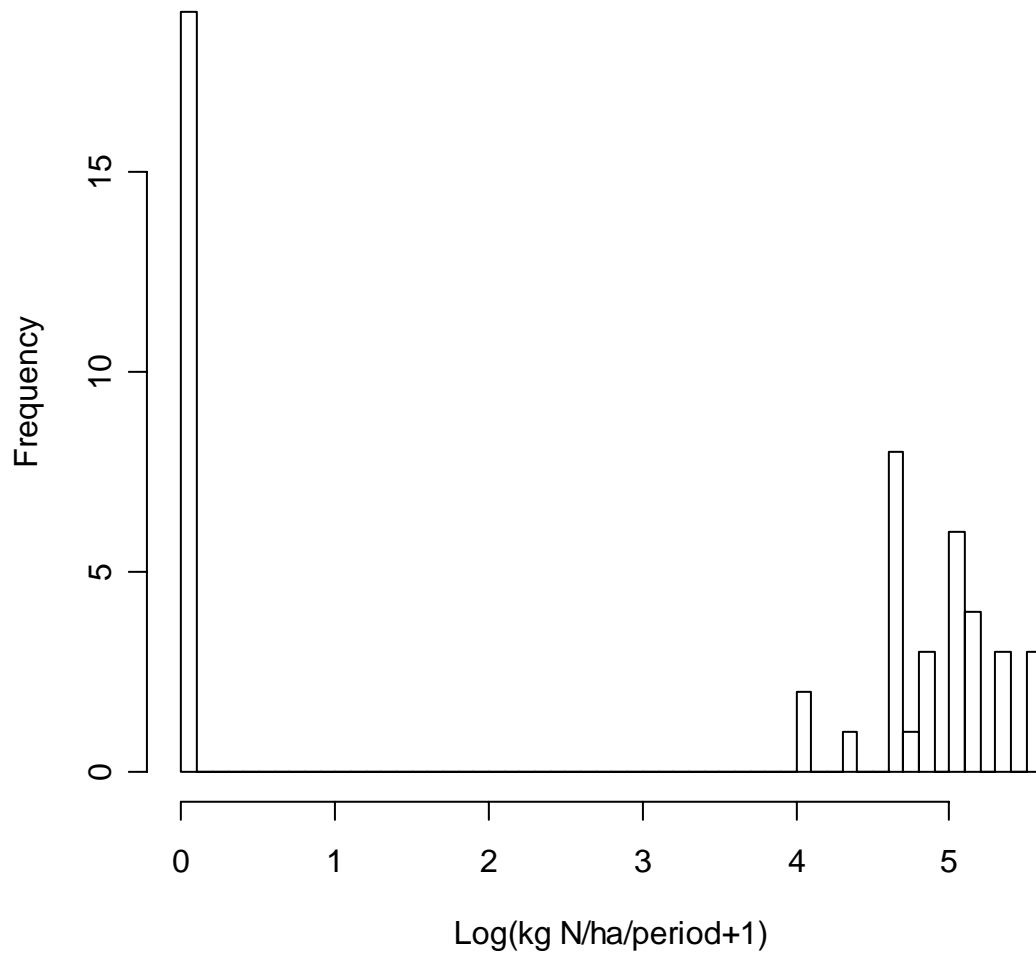
Bare Nitrogen Input Histogram



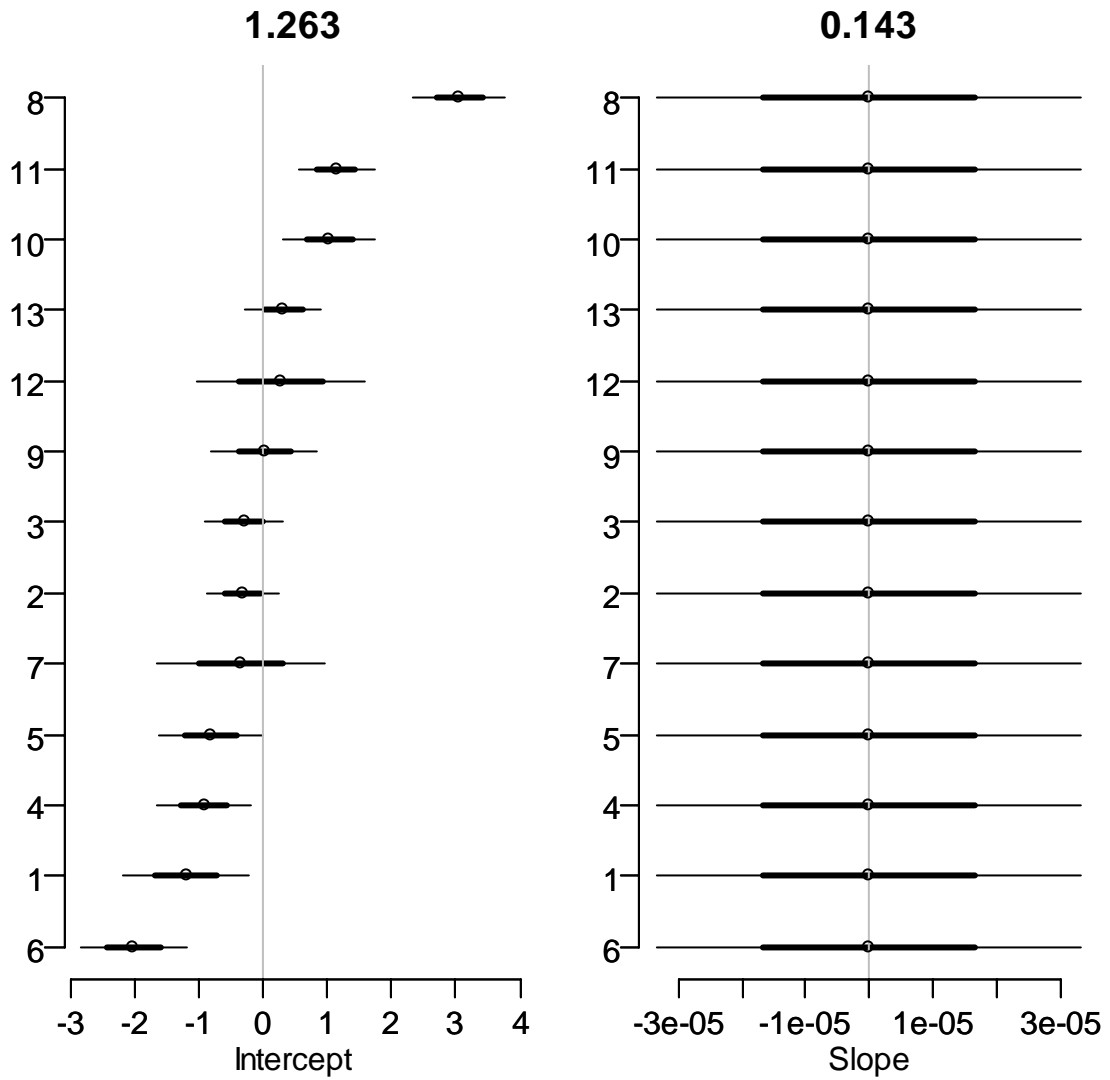
Bare Log(Average Daily Emissions) Histogram



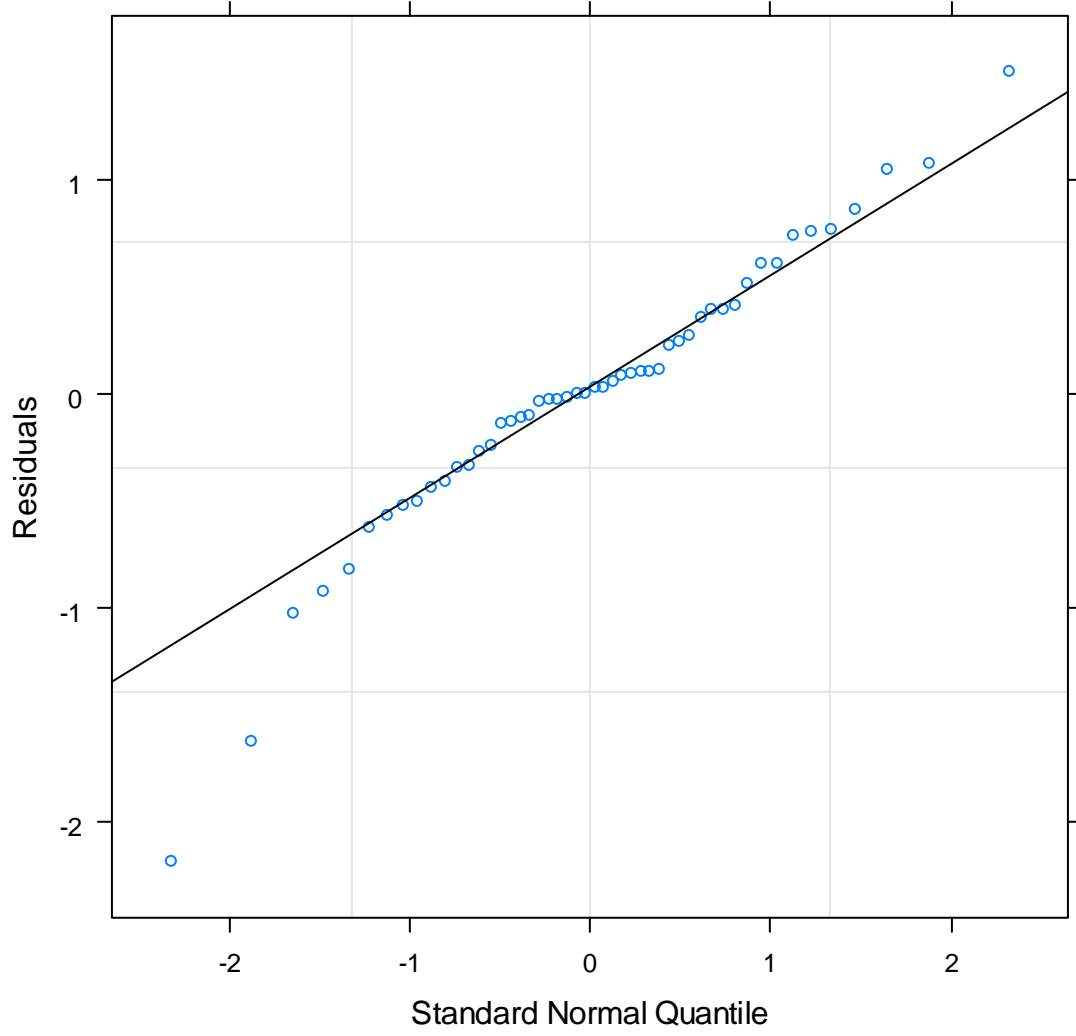
Histogram of Bare Log(N Input+1)



Bare MLM Random Effects

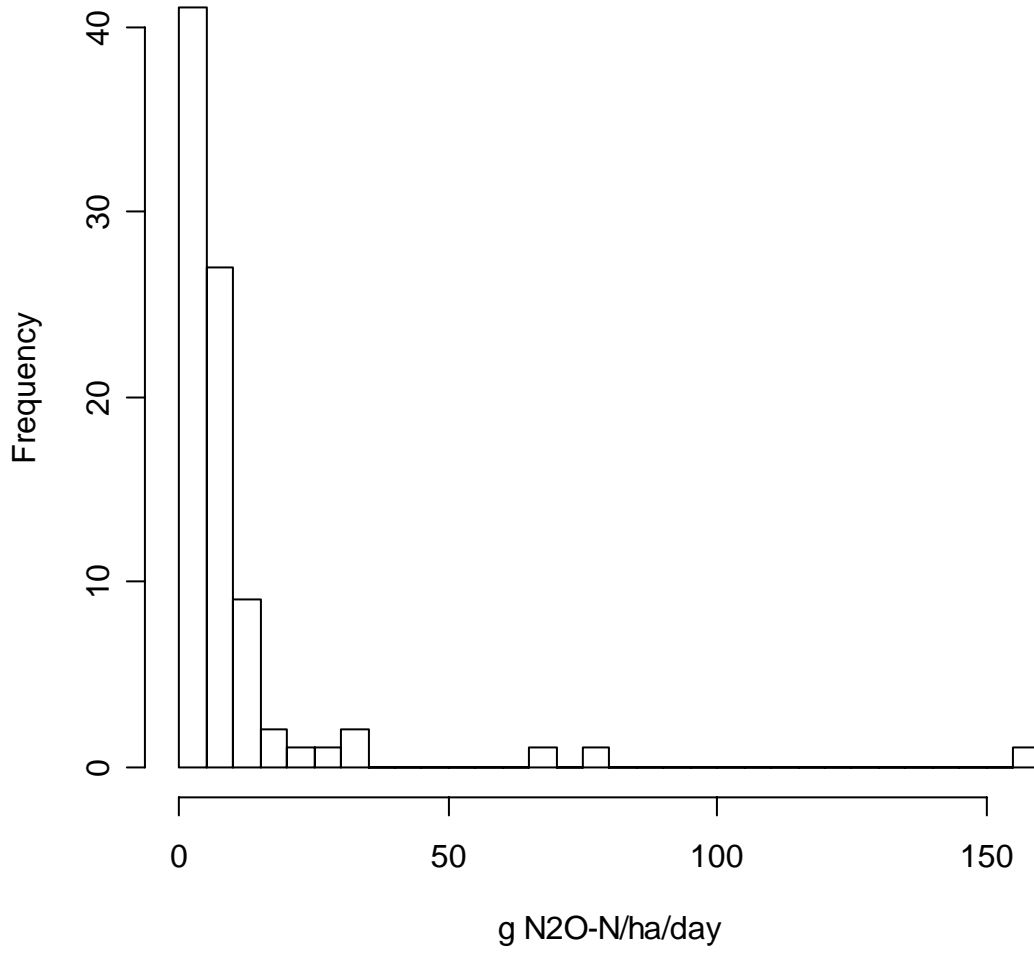


Bare MLM

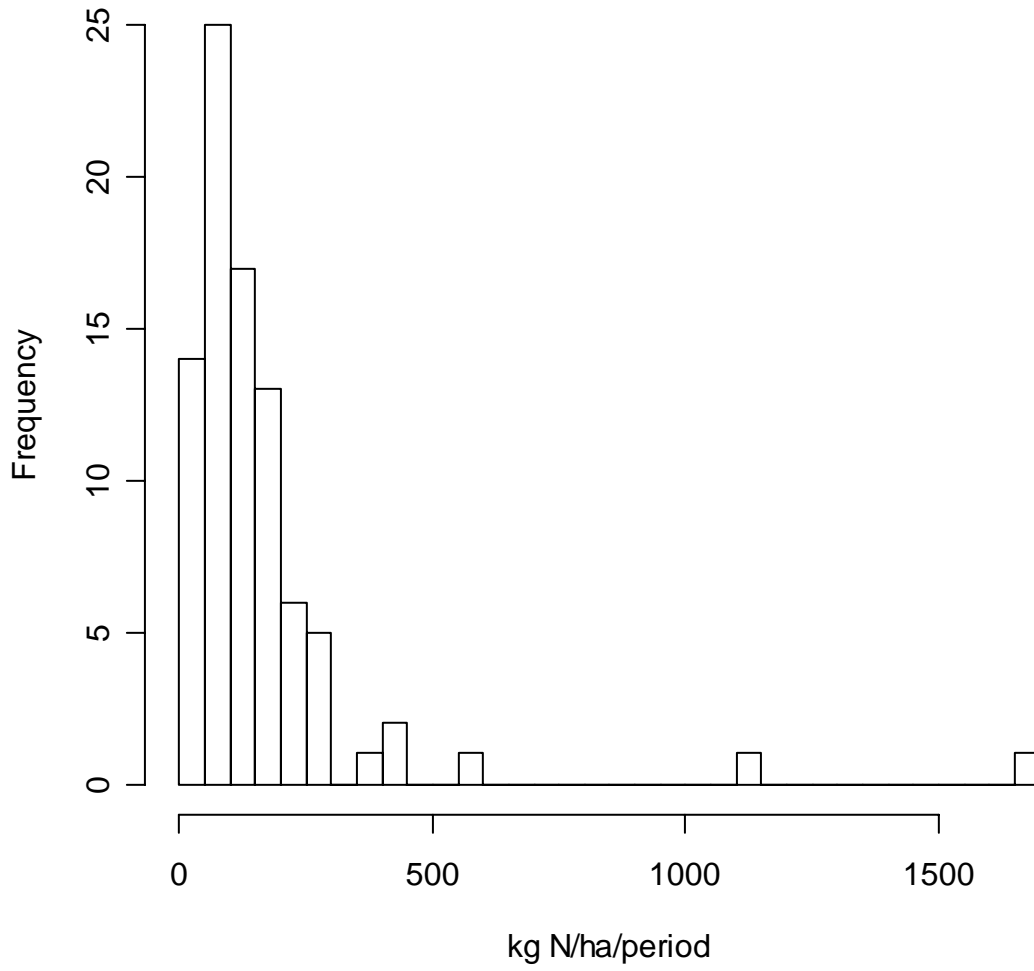


Barley

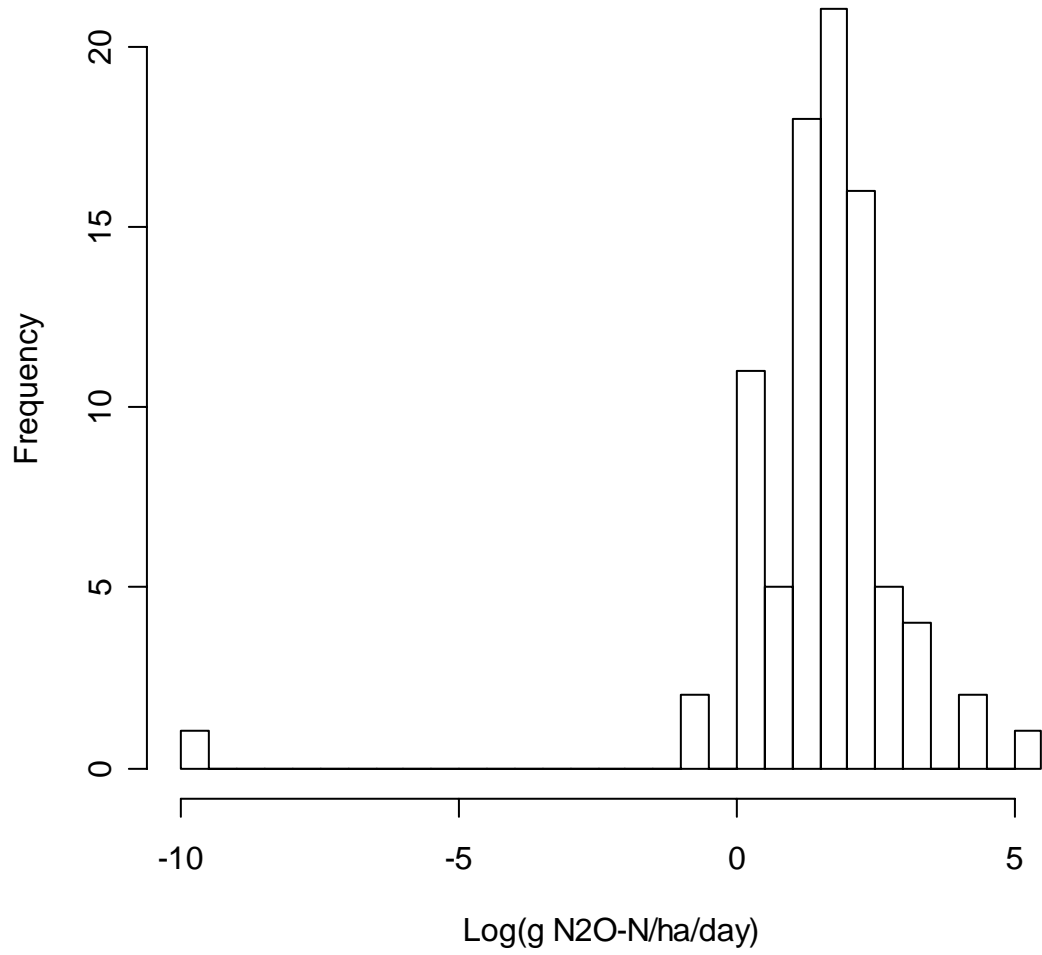
Barley Average Daily N2O Emissions Histogram



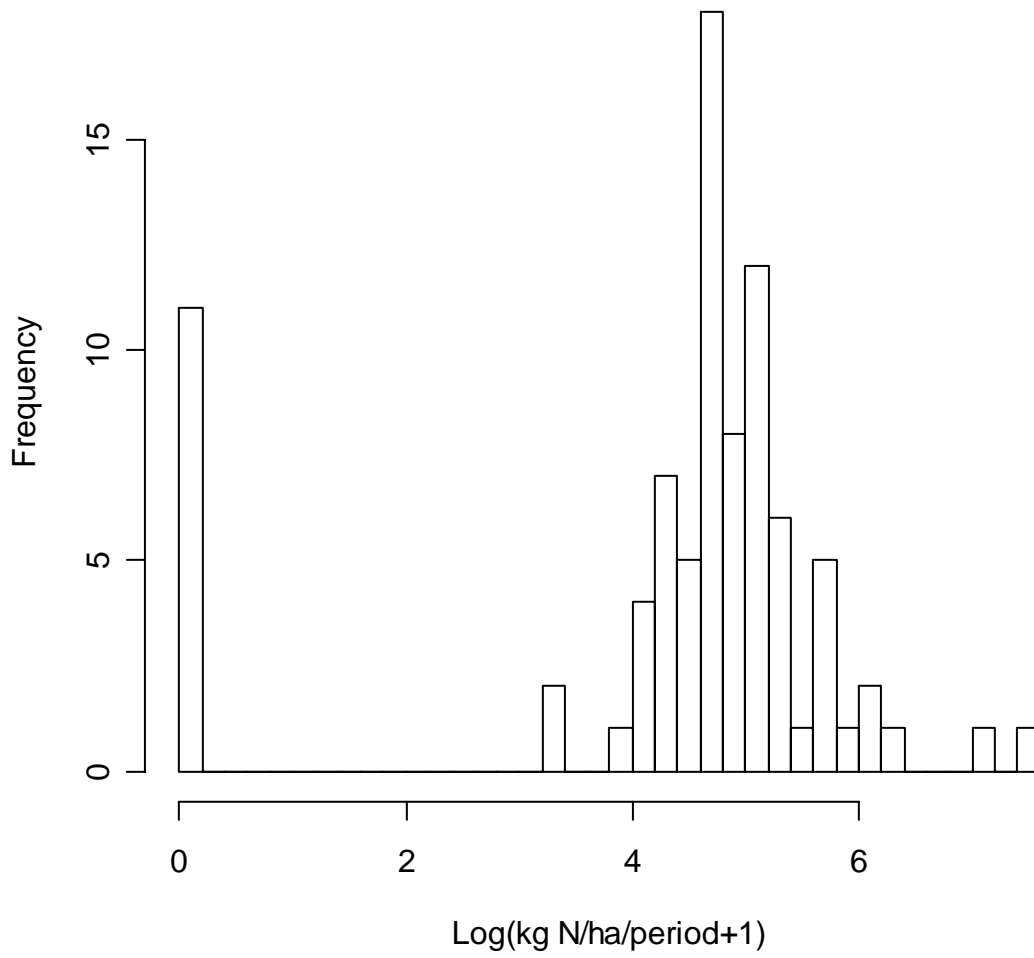
Barley Nitrogen Input Histogram



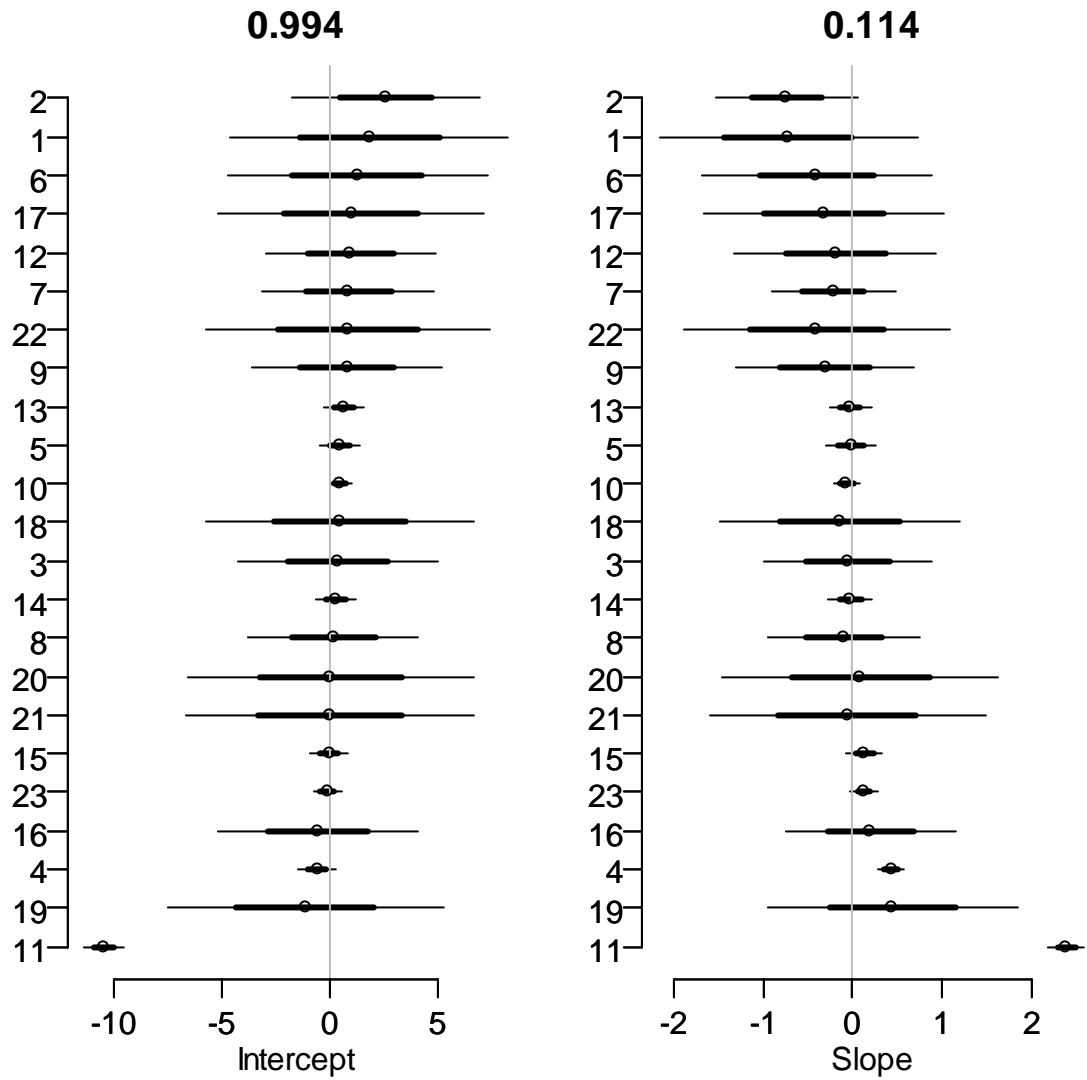
Barley Log(Average Daily Emissions) Histogram



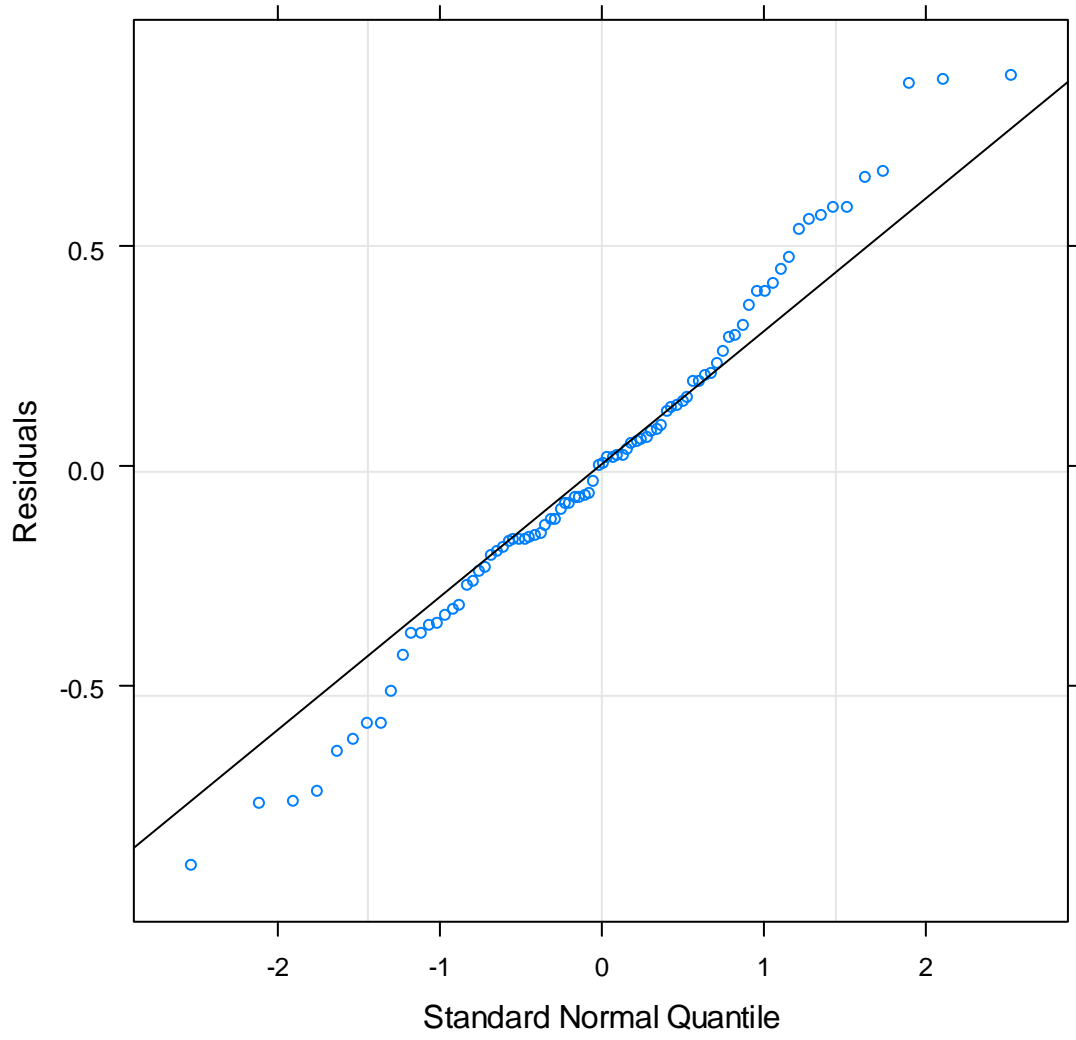
Barley Log(N Input+1) Histogram



Barley MLM Random Effects

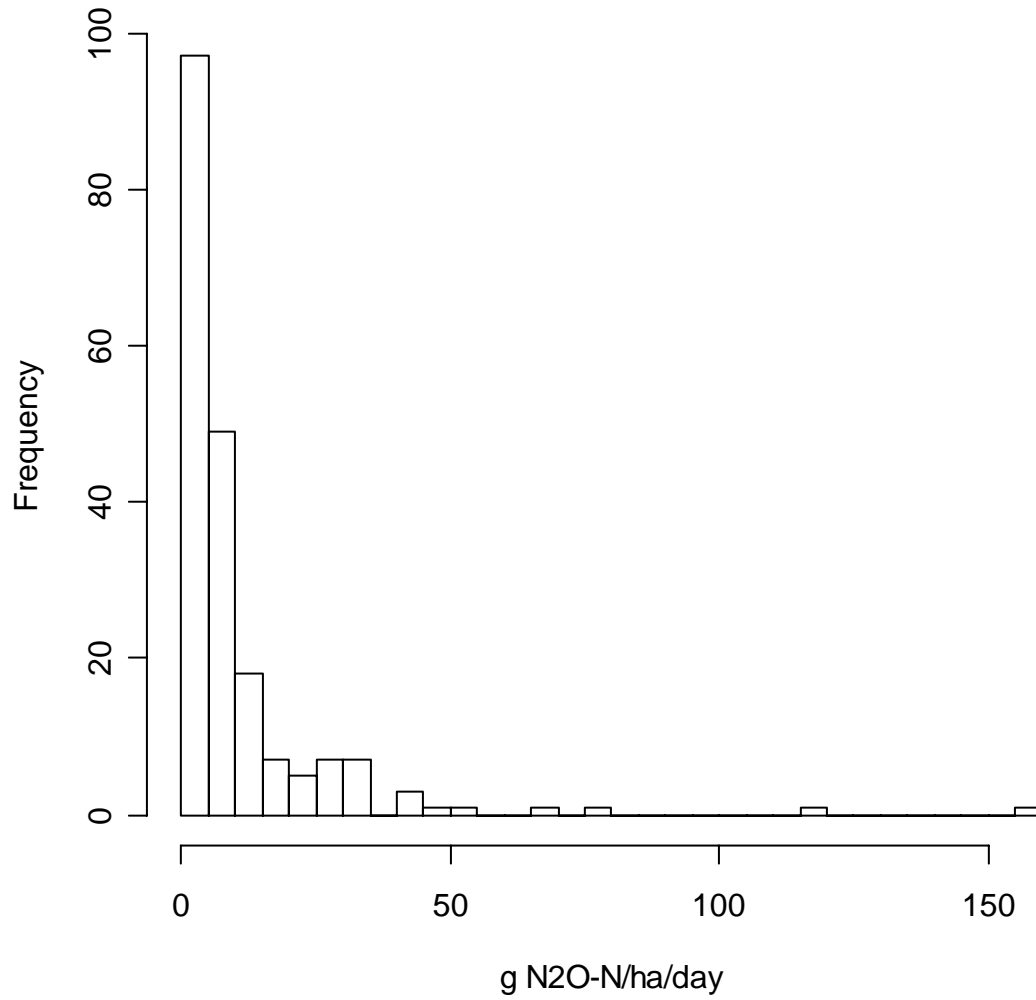


Barley MLM

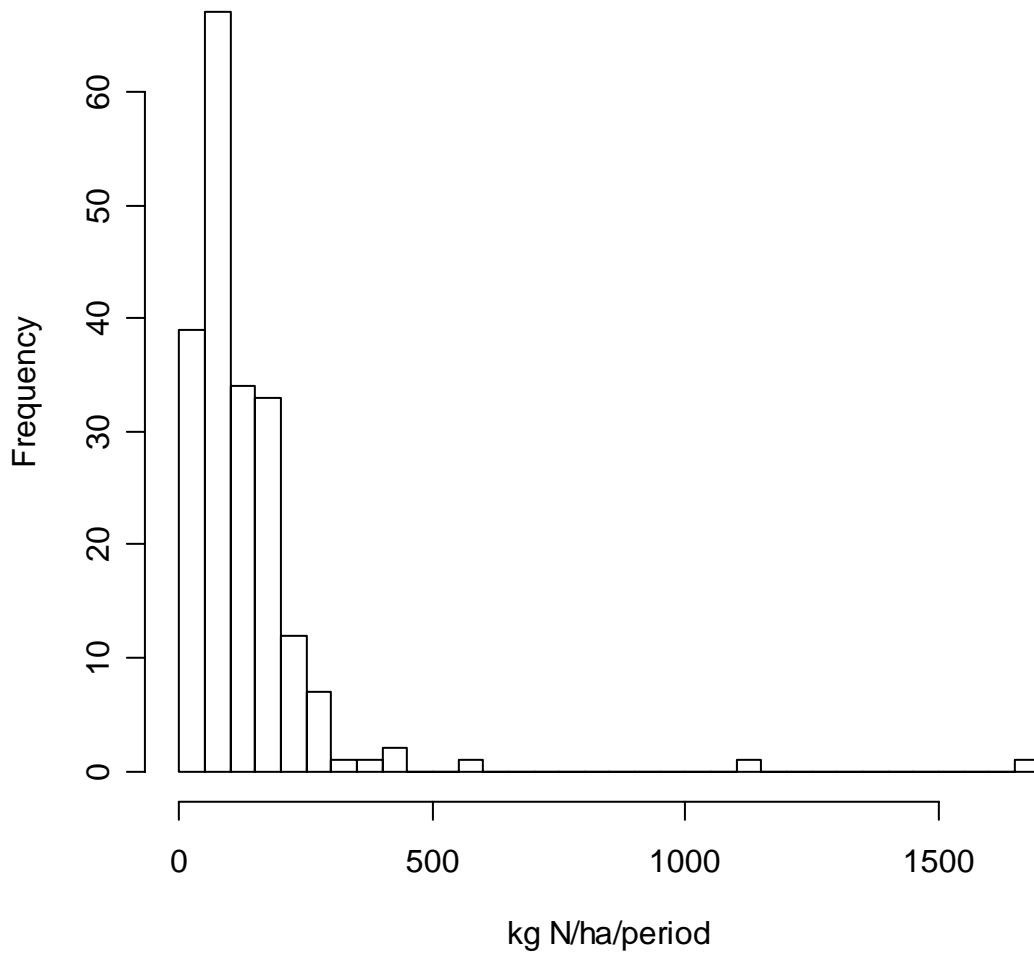


Cereal

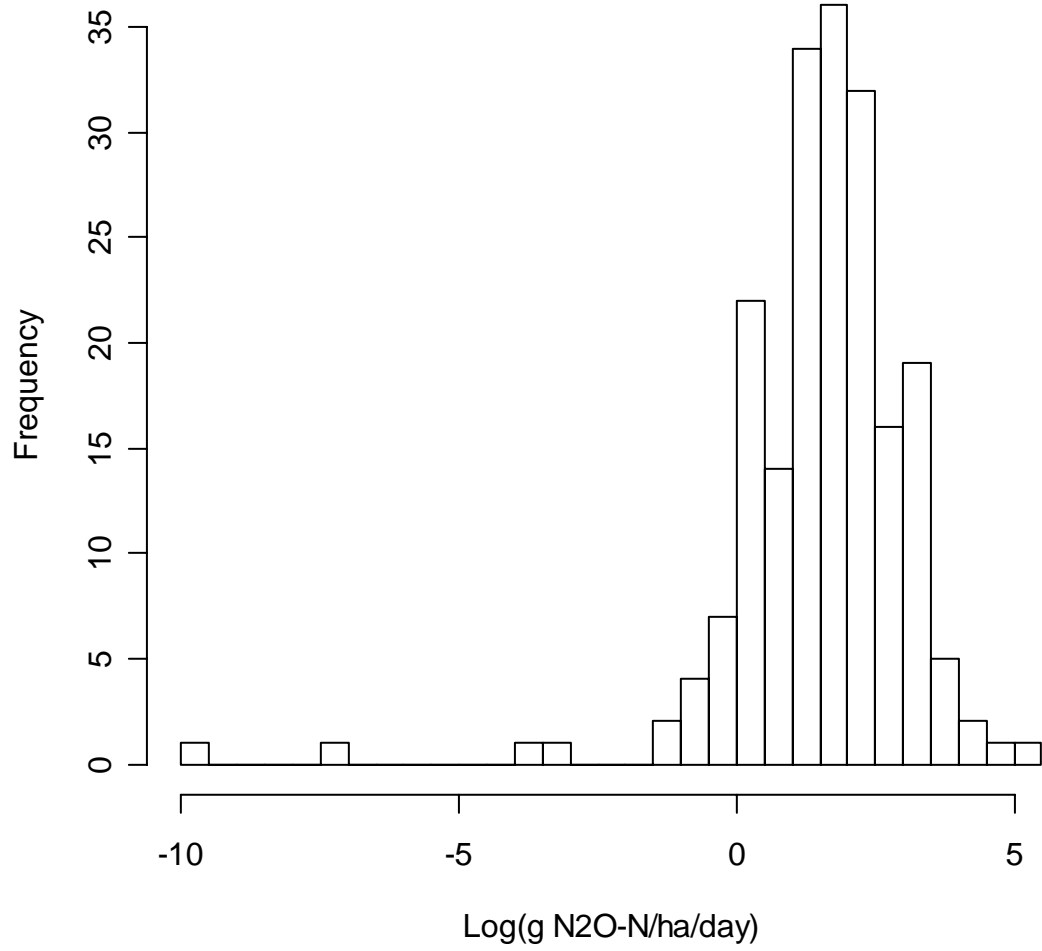
Cereal Average Daily N₂O Emissions Histogram



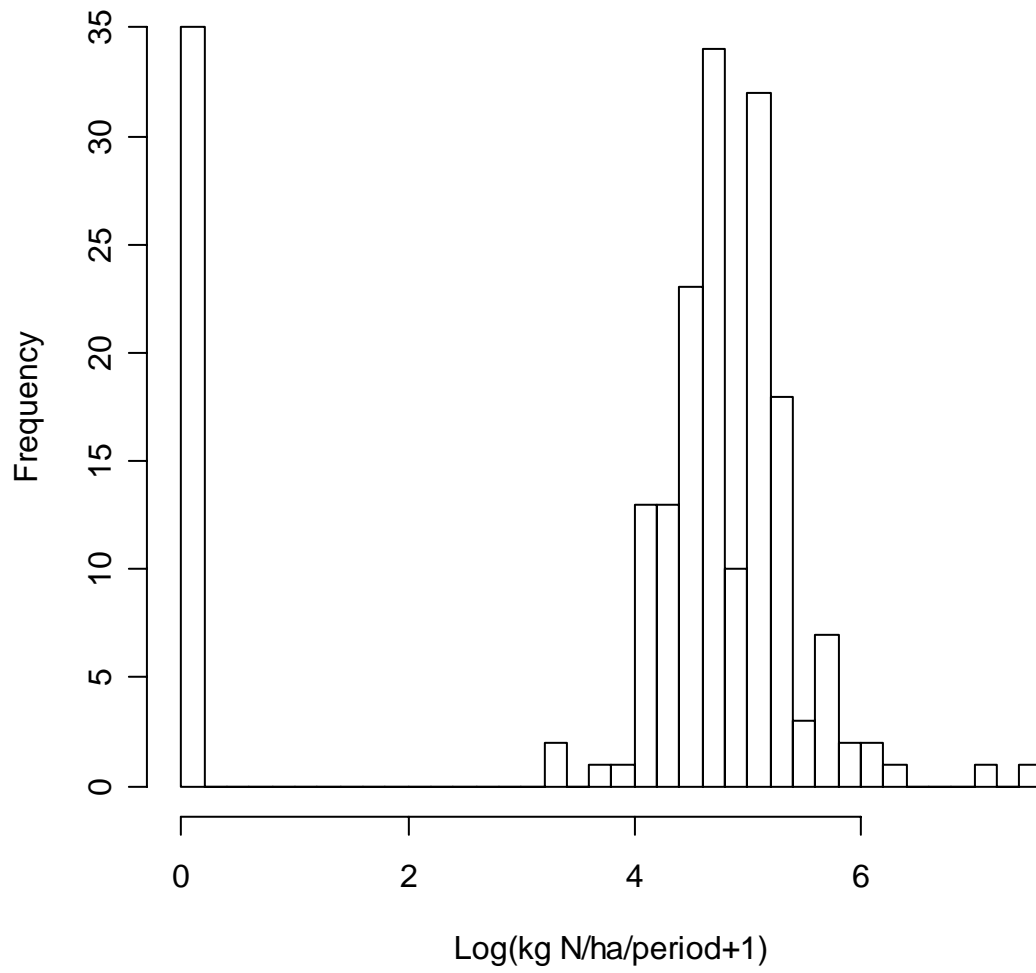
Cereal Nitrogen Input Histogram



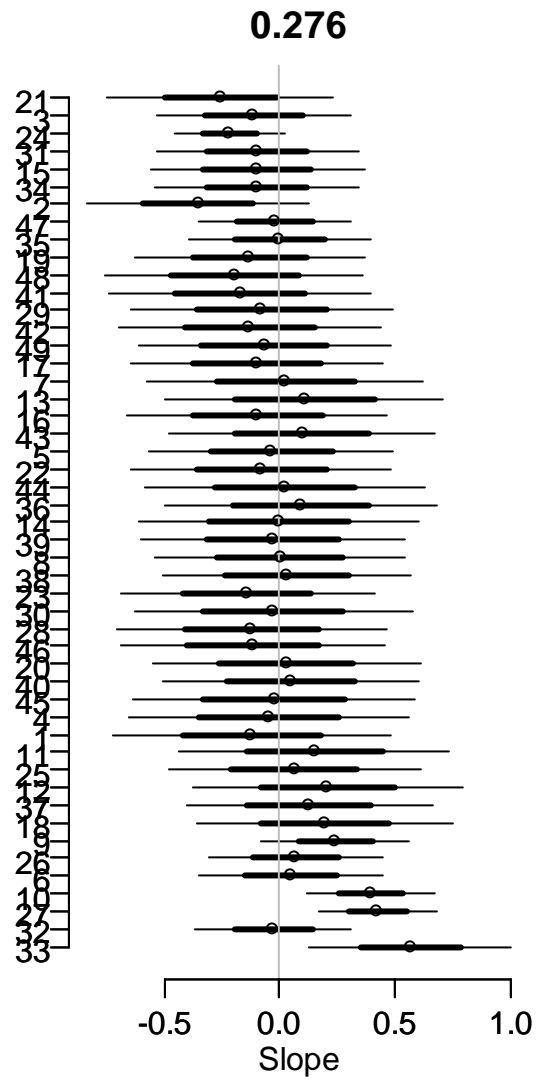
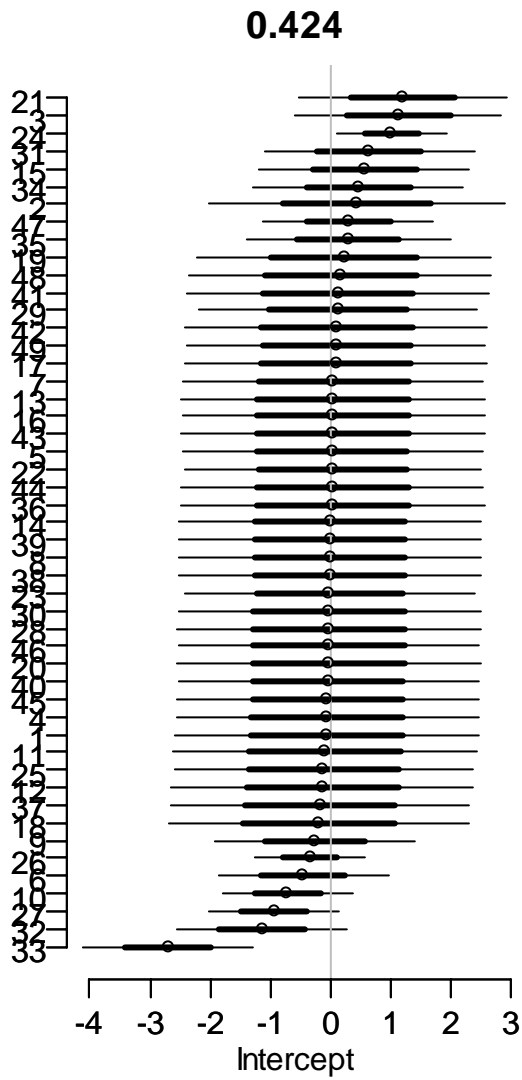
Cereal Log(Average Daily Emissions) Histogram



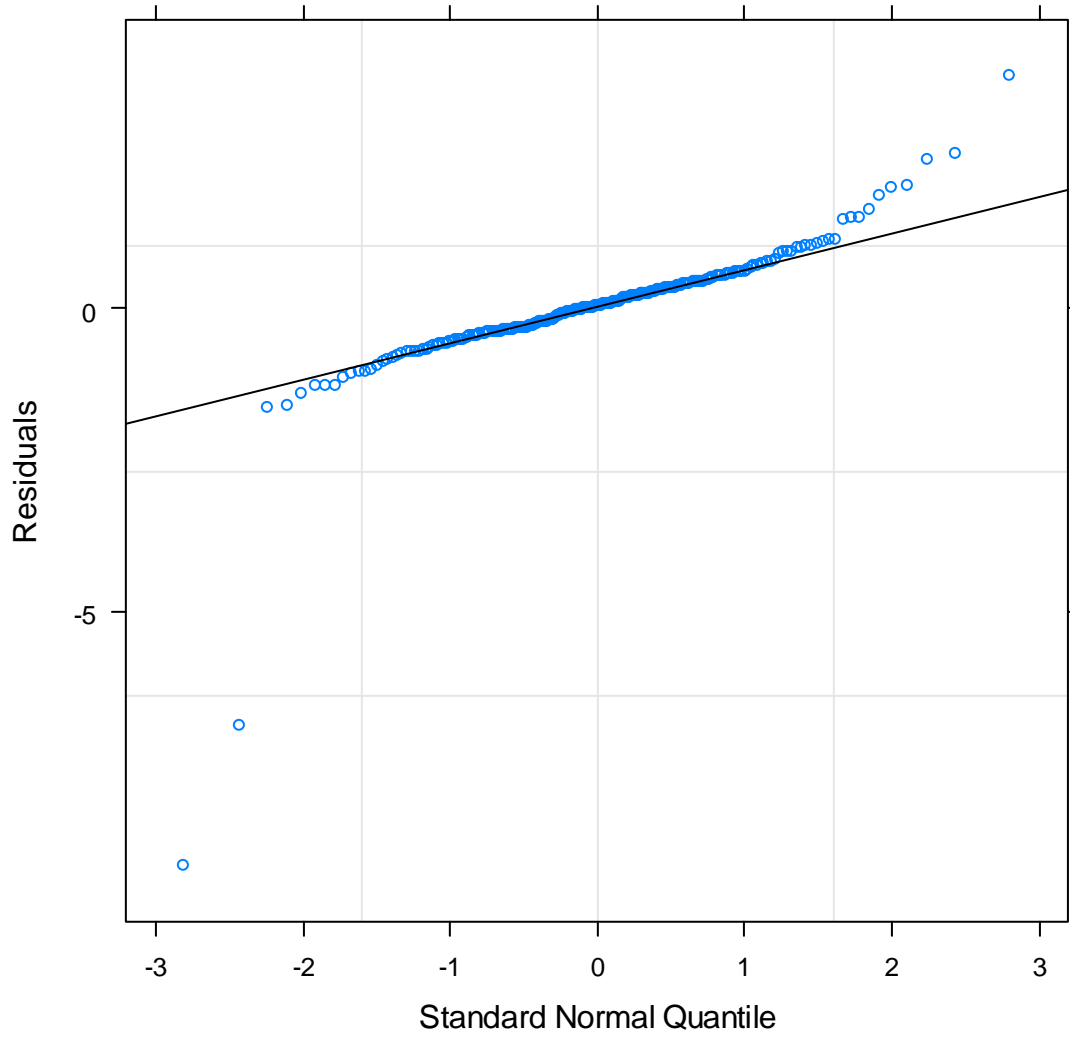
Histogram of Cereal Log(N Input+1)



Cereal MLM Random Effects

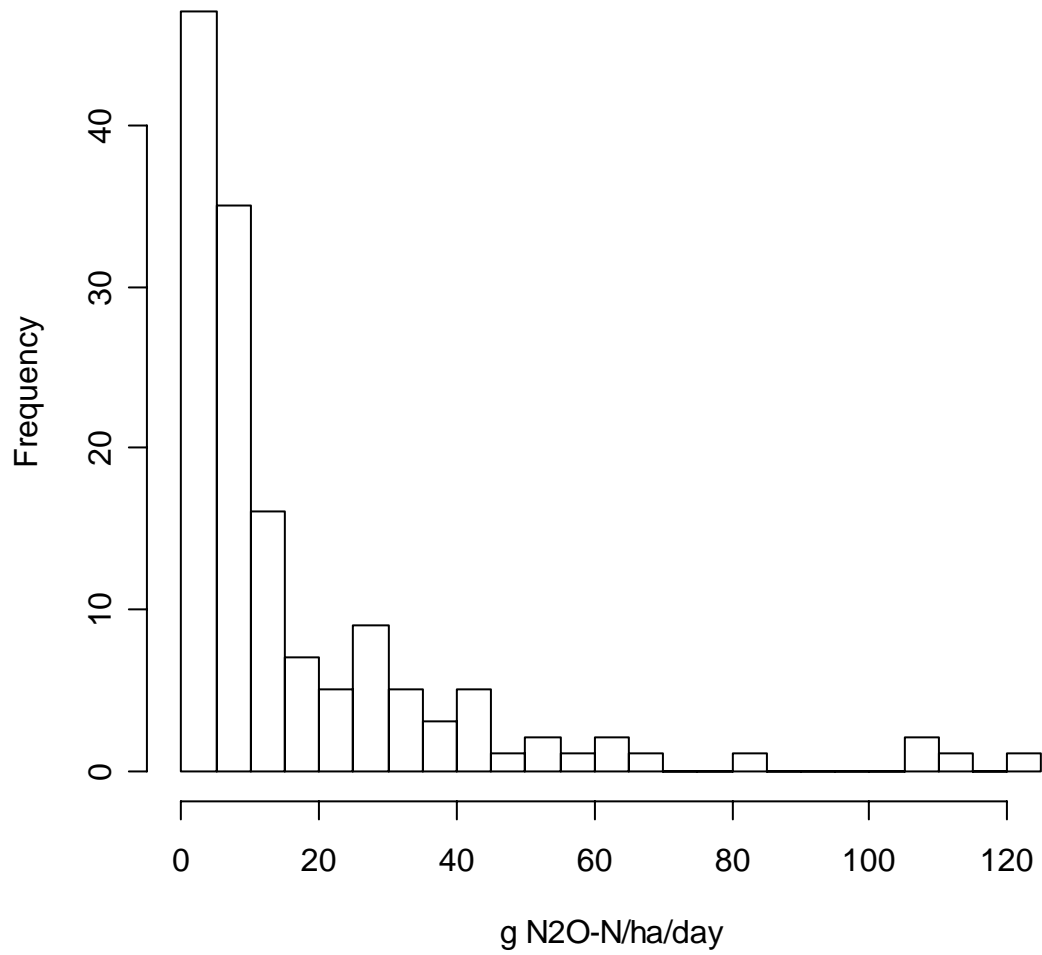


Cereal MLM

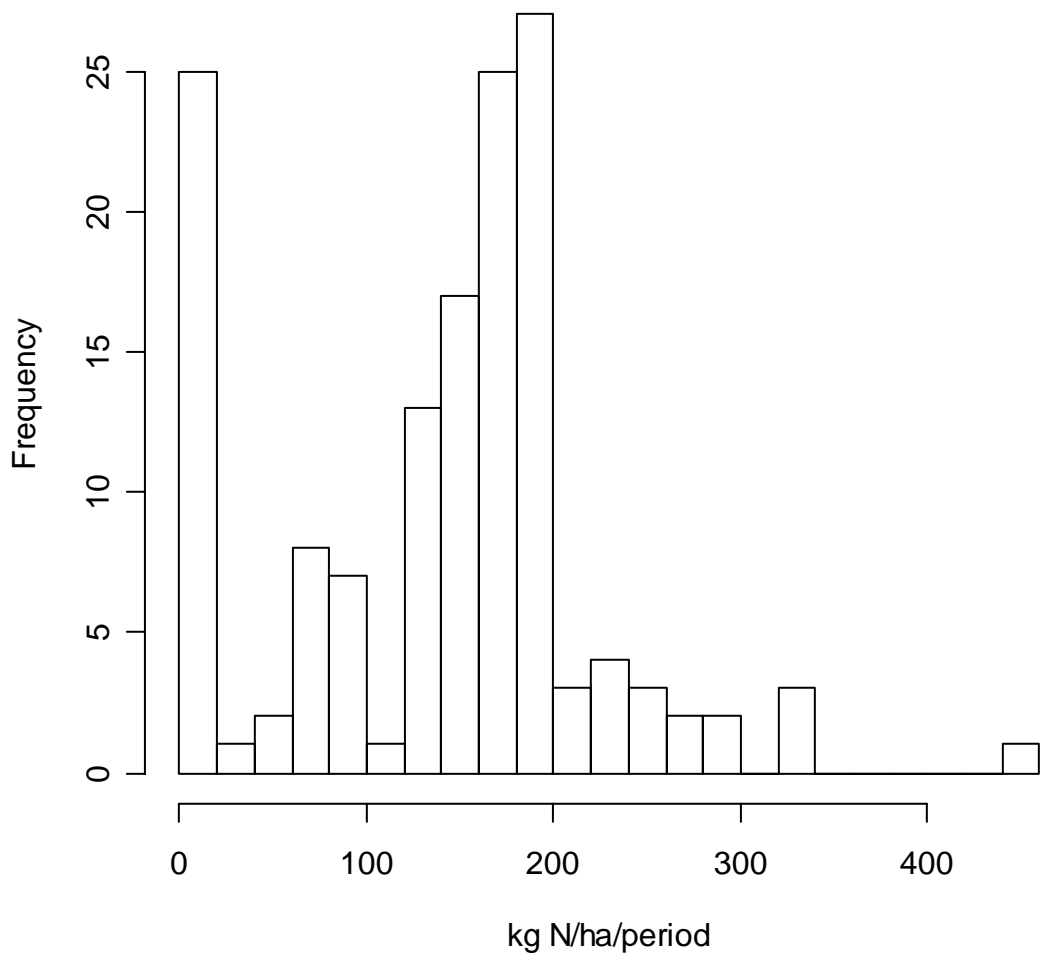


Corn

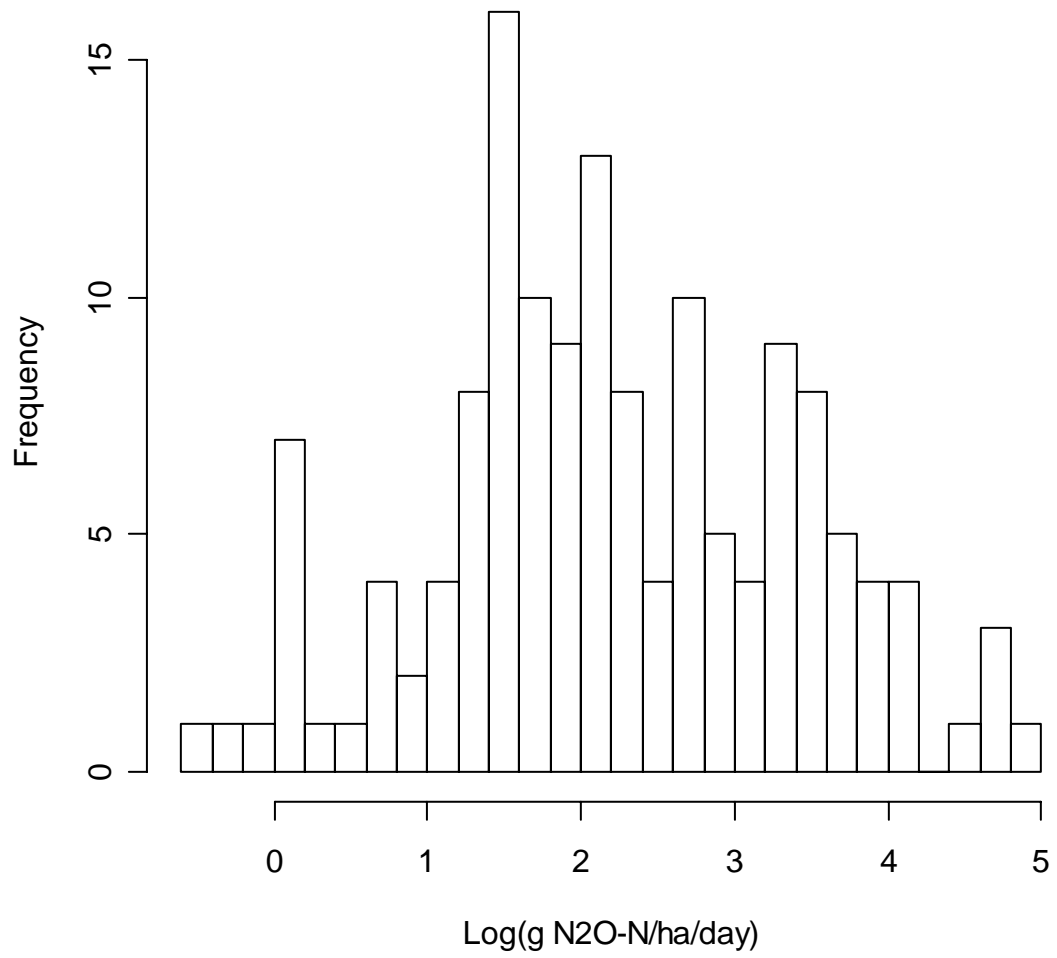
Corn Average Daily N2O Emissions Histogram



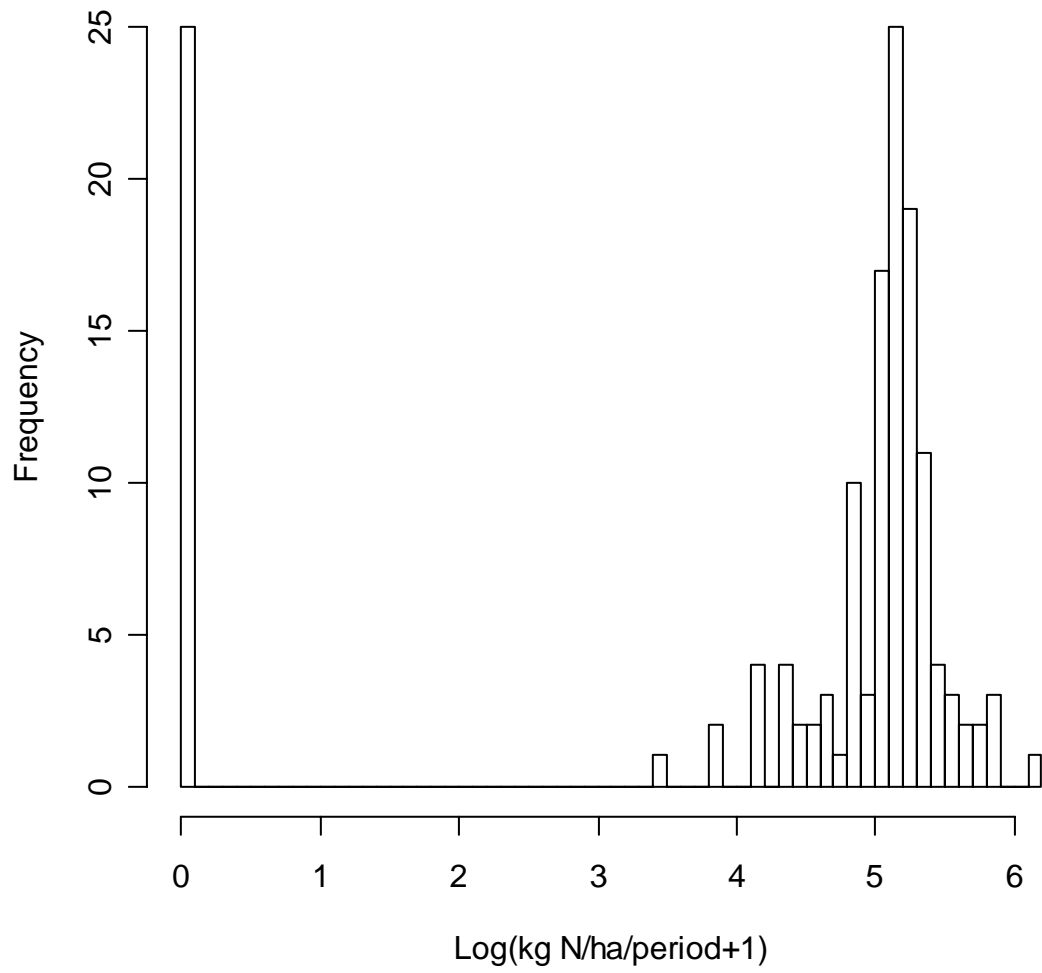
Corn Nitrogen Input Histogram



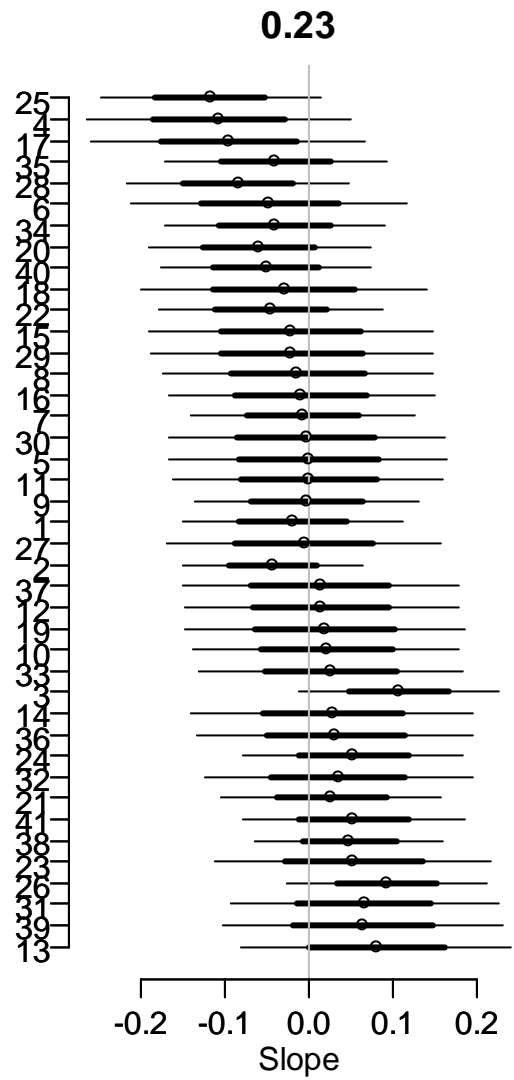
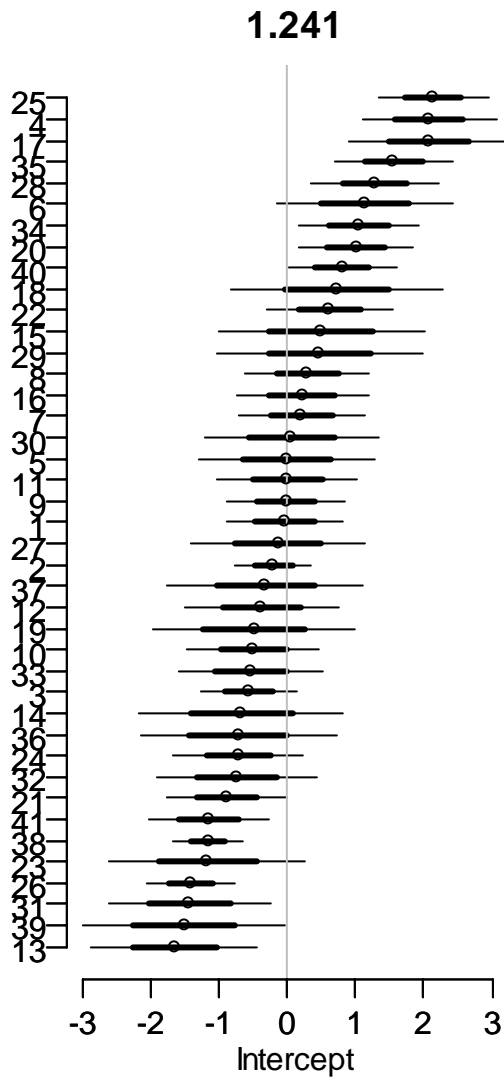
Corn Log(Average Daily Emissions) Histogram



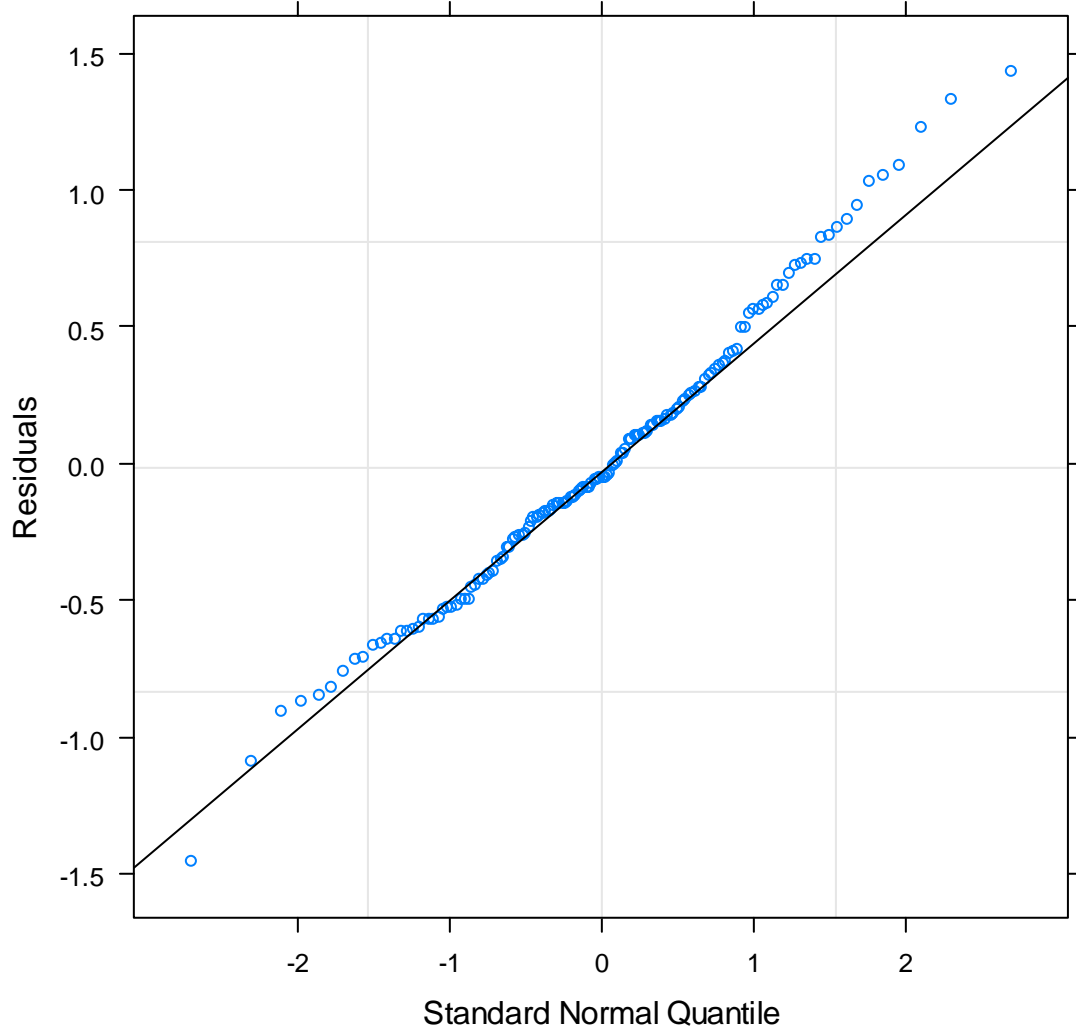
Histogram of Corn Log(N Input+1)



Corn MLM Random Effects

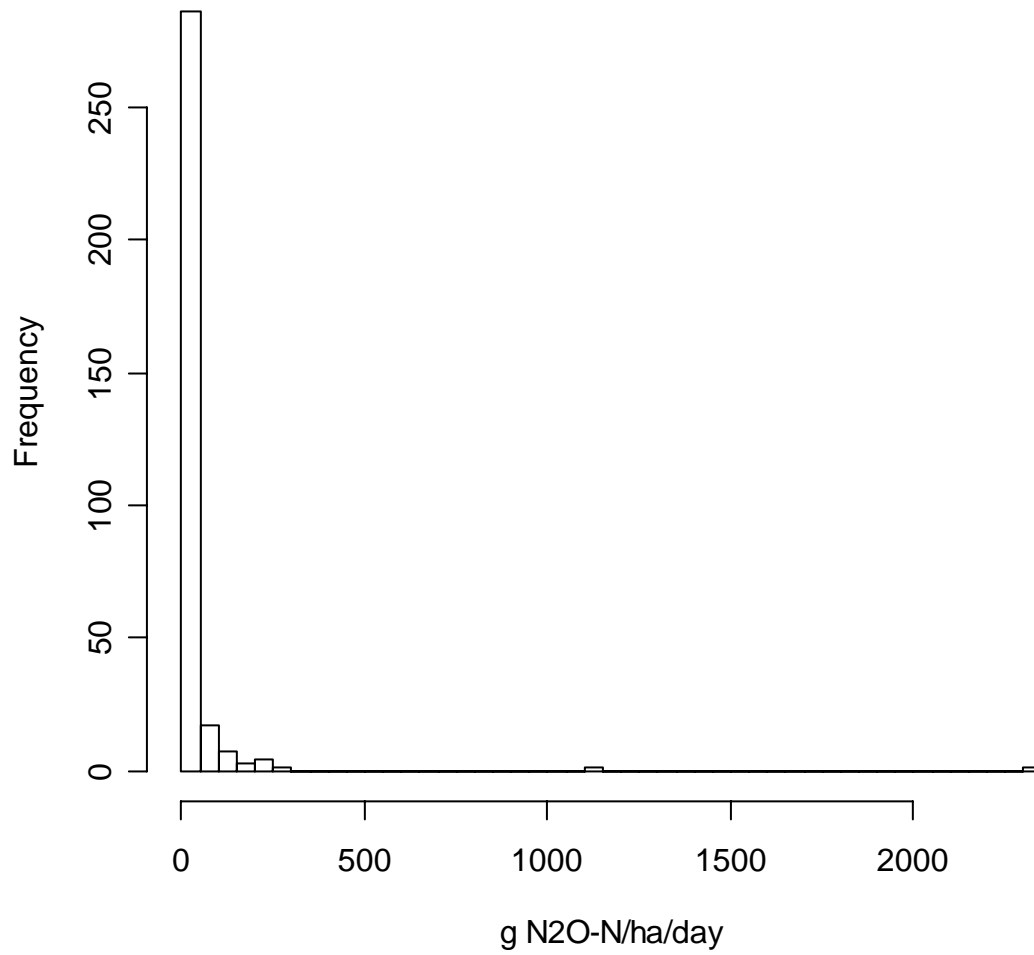


Corn MLM

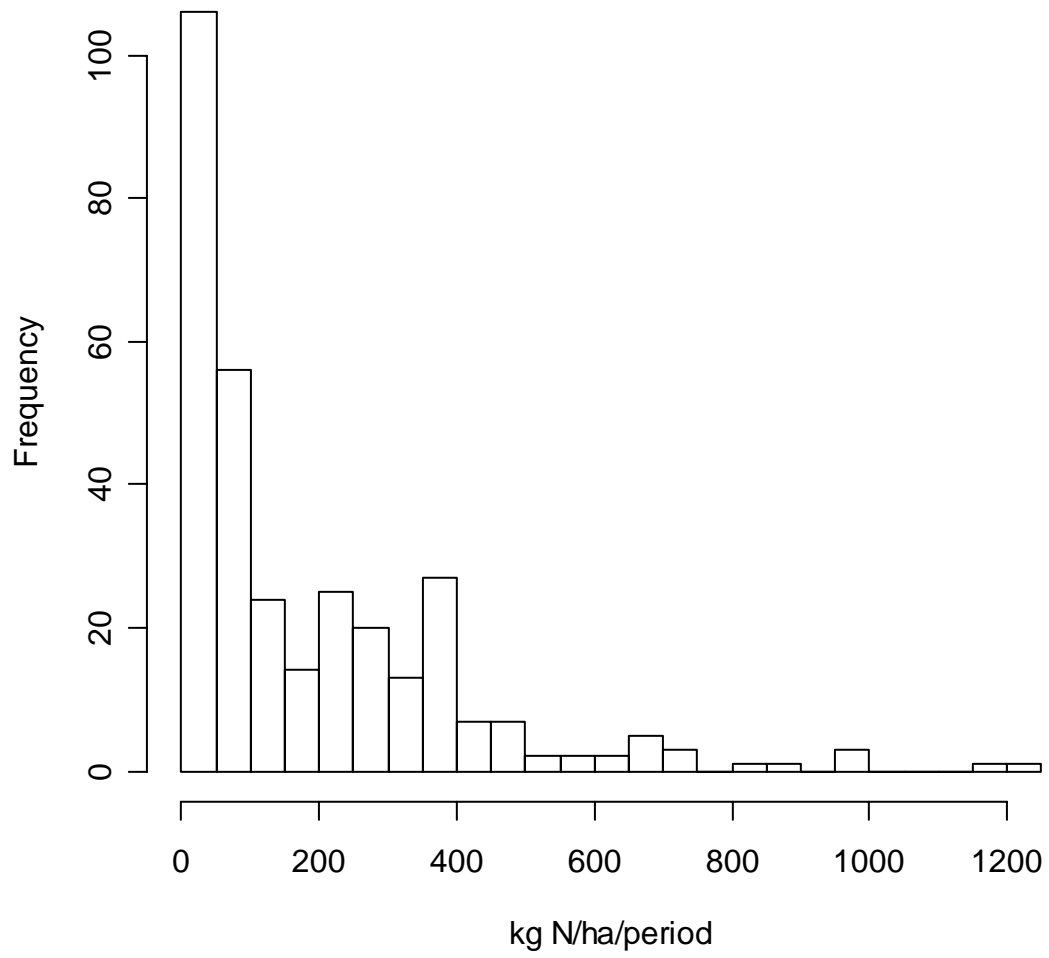


Grass

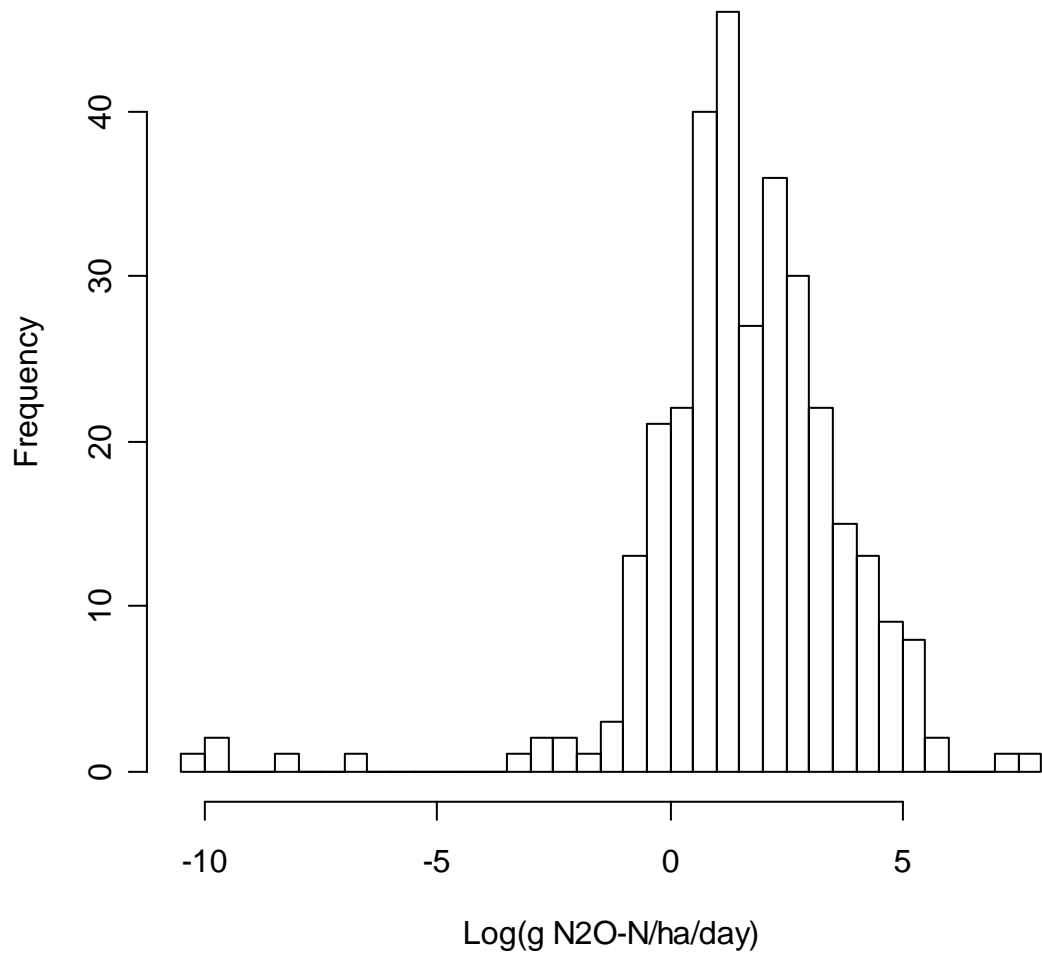
Grass Average Daily N2O Emissions Histogram



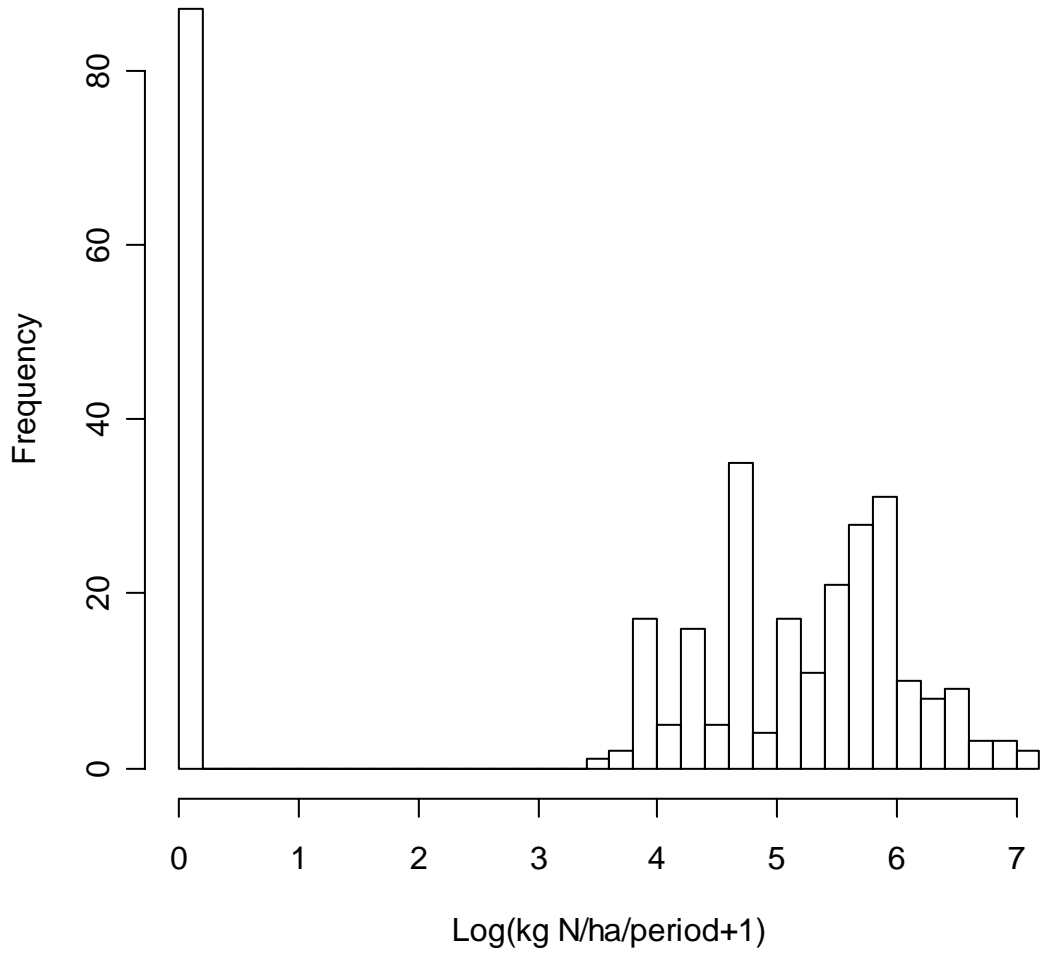
Grass Nitrogen Input Histogram



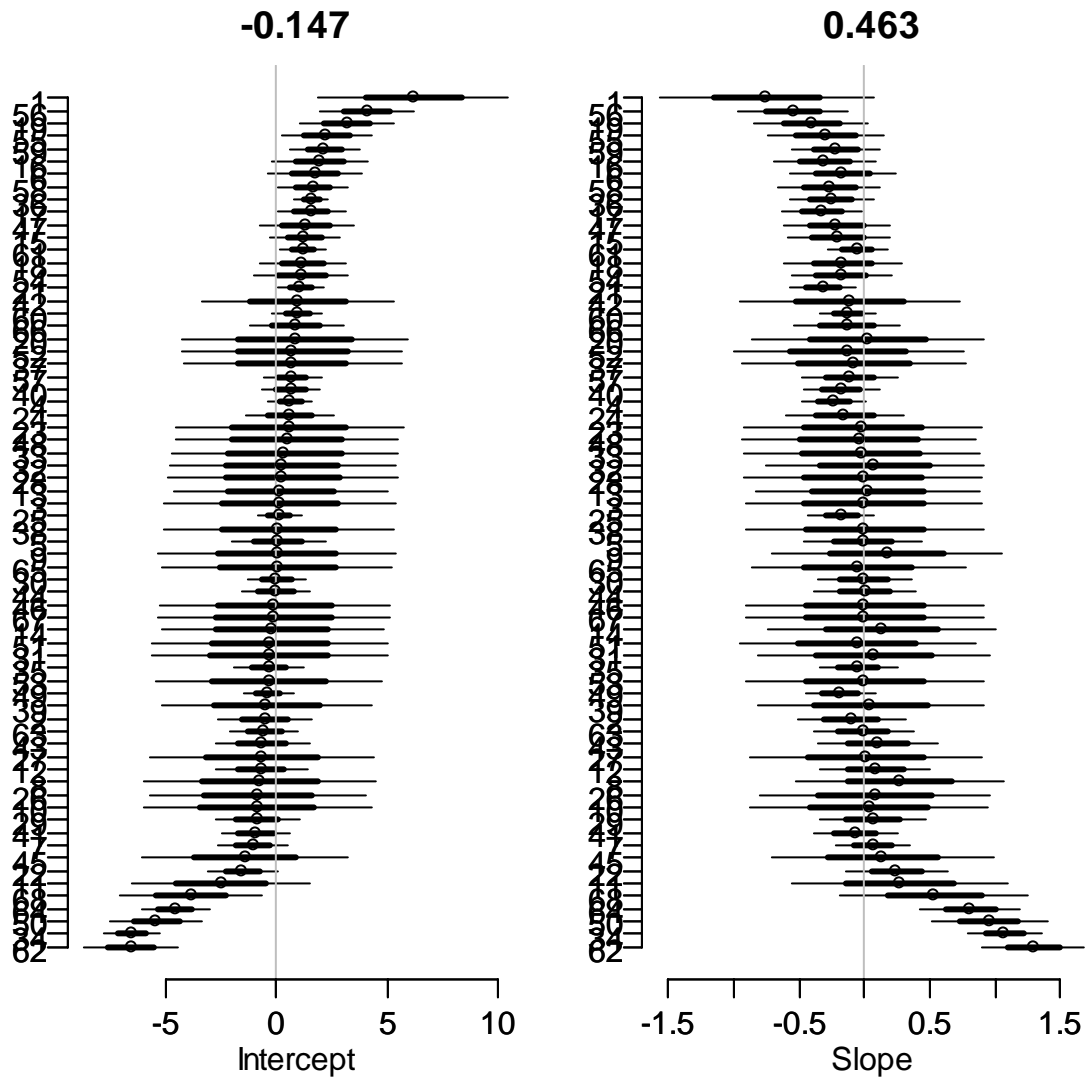
Grass Log(Average Daily Emissions) Histogram



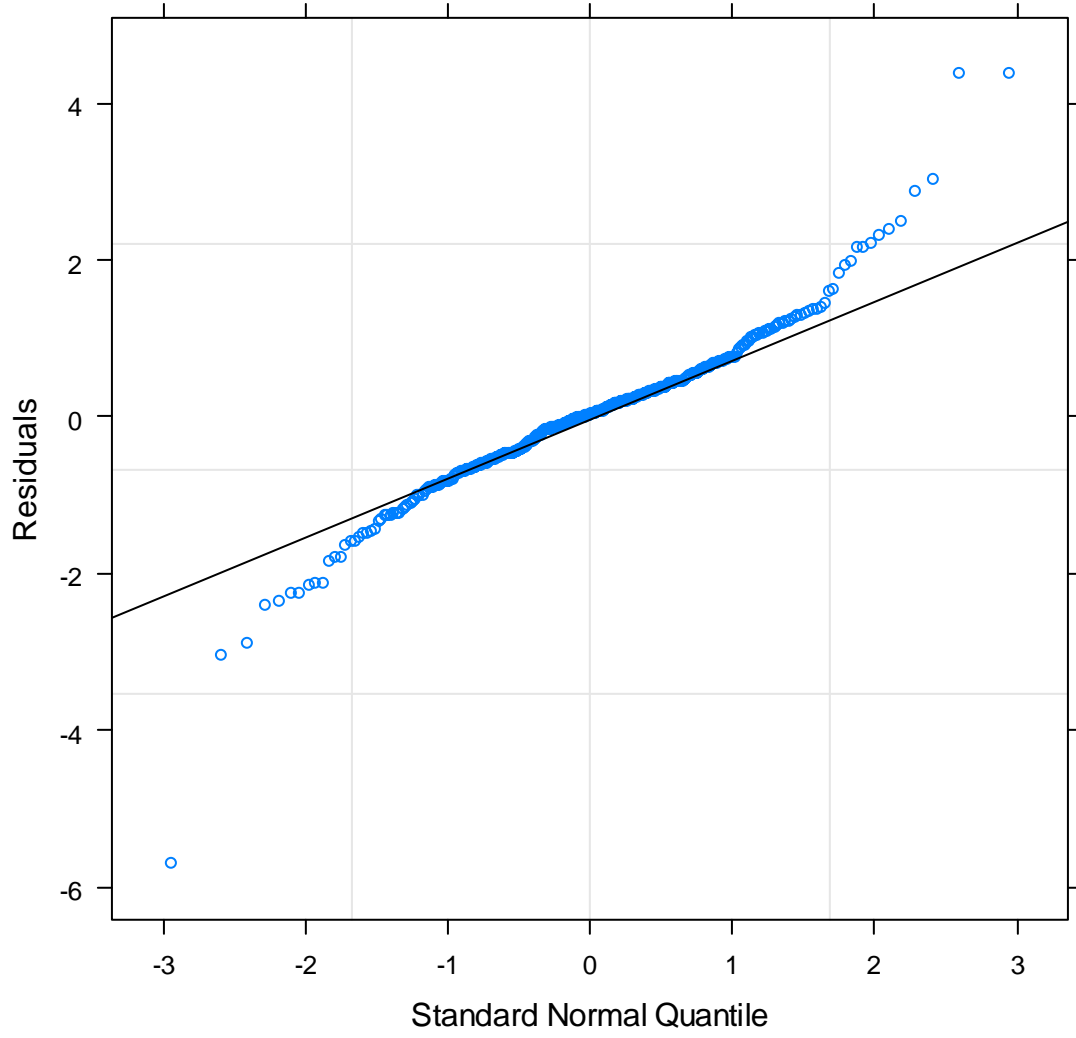
Grass Log(N Input+1) Histogram



Grass MLM Random Effects

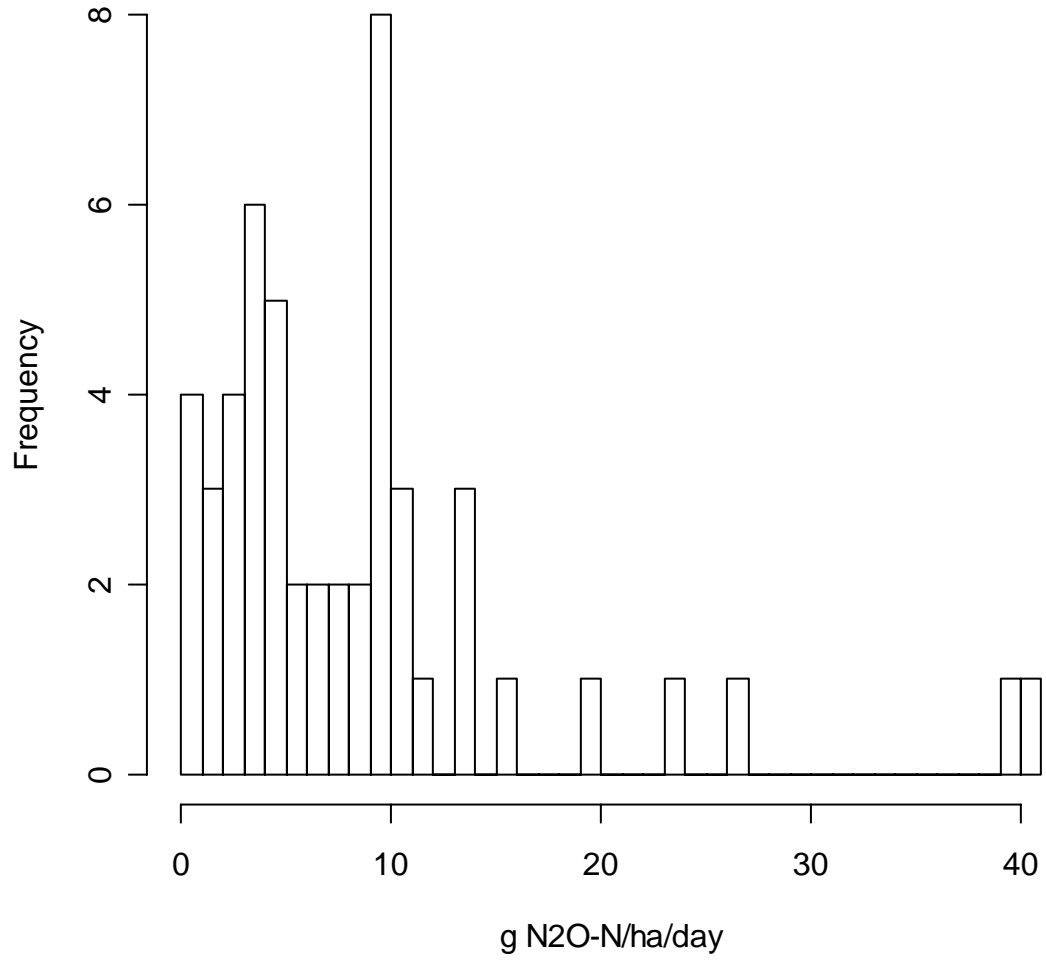


Grass MLM

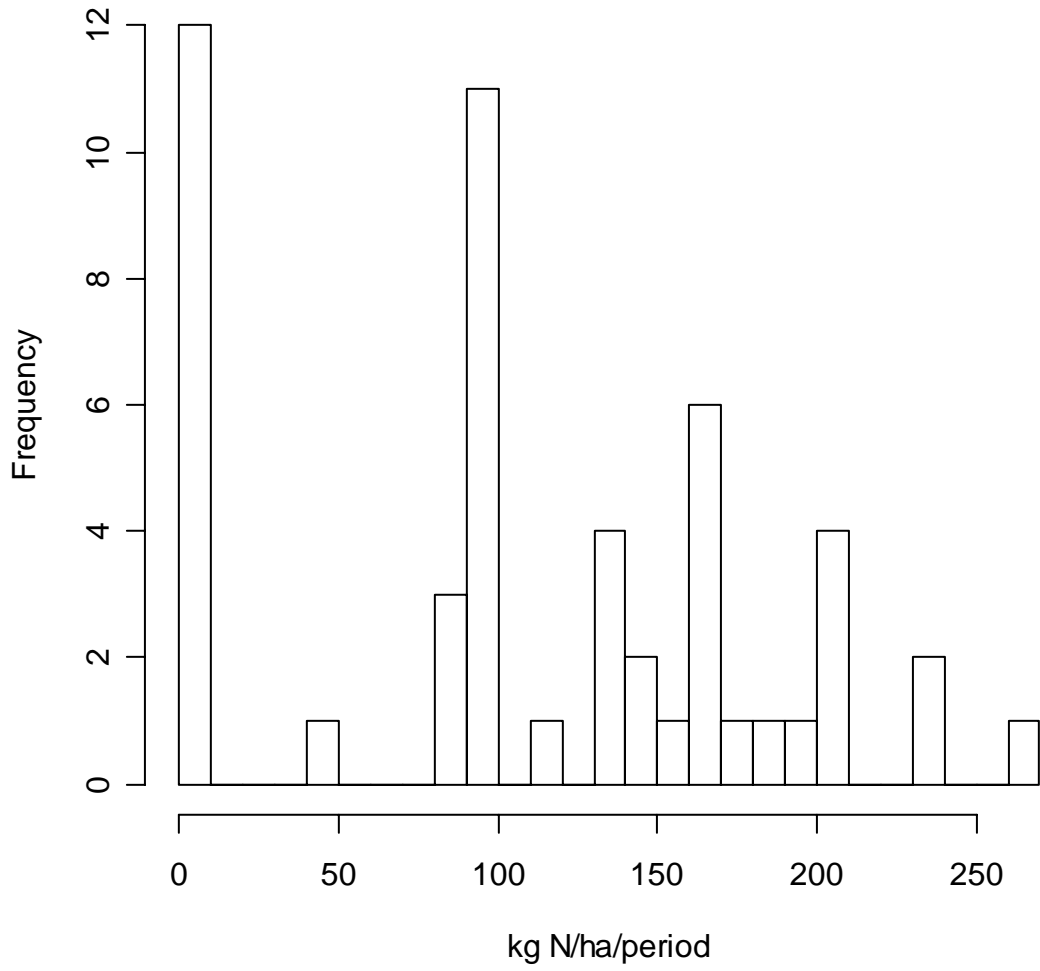


Oilseed Rape

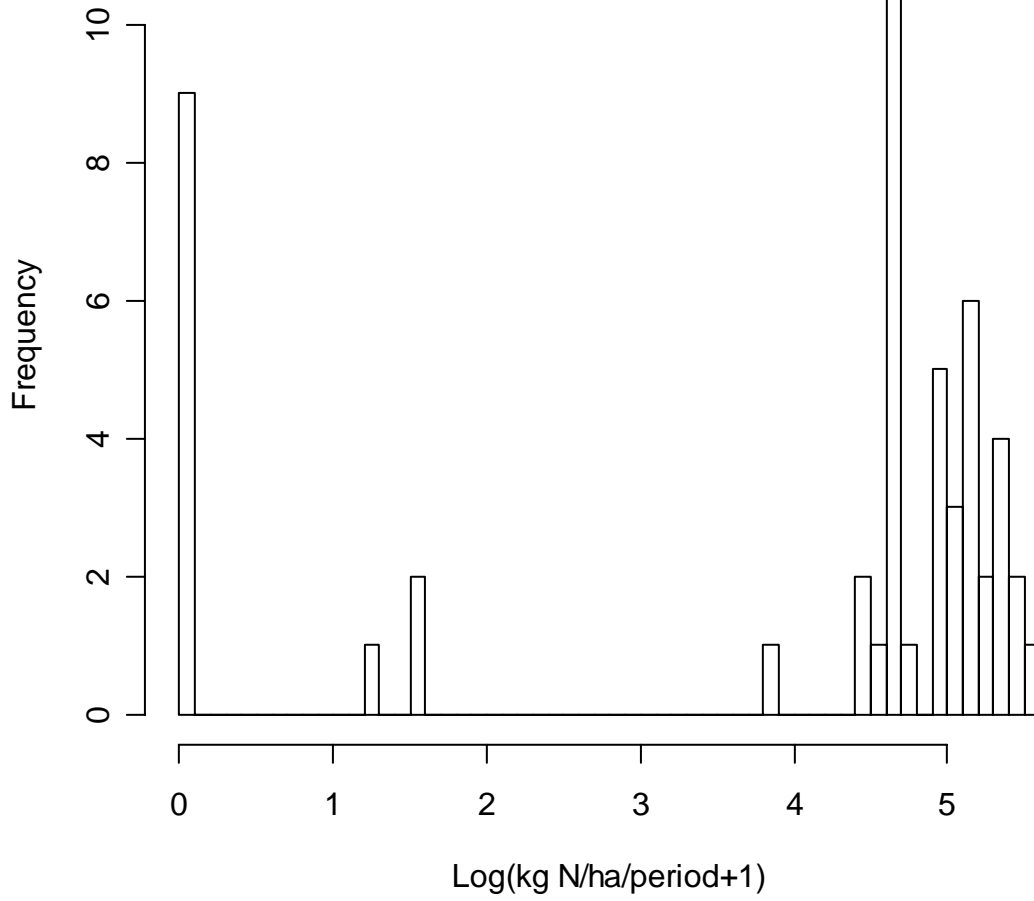
Rape Average Daily N2O Emissions Histogram



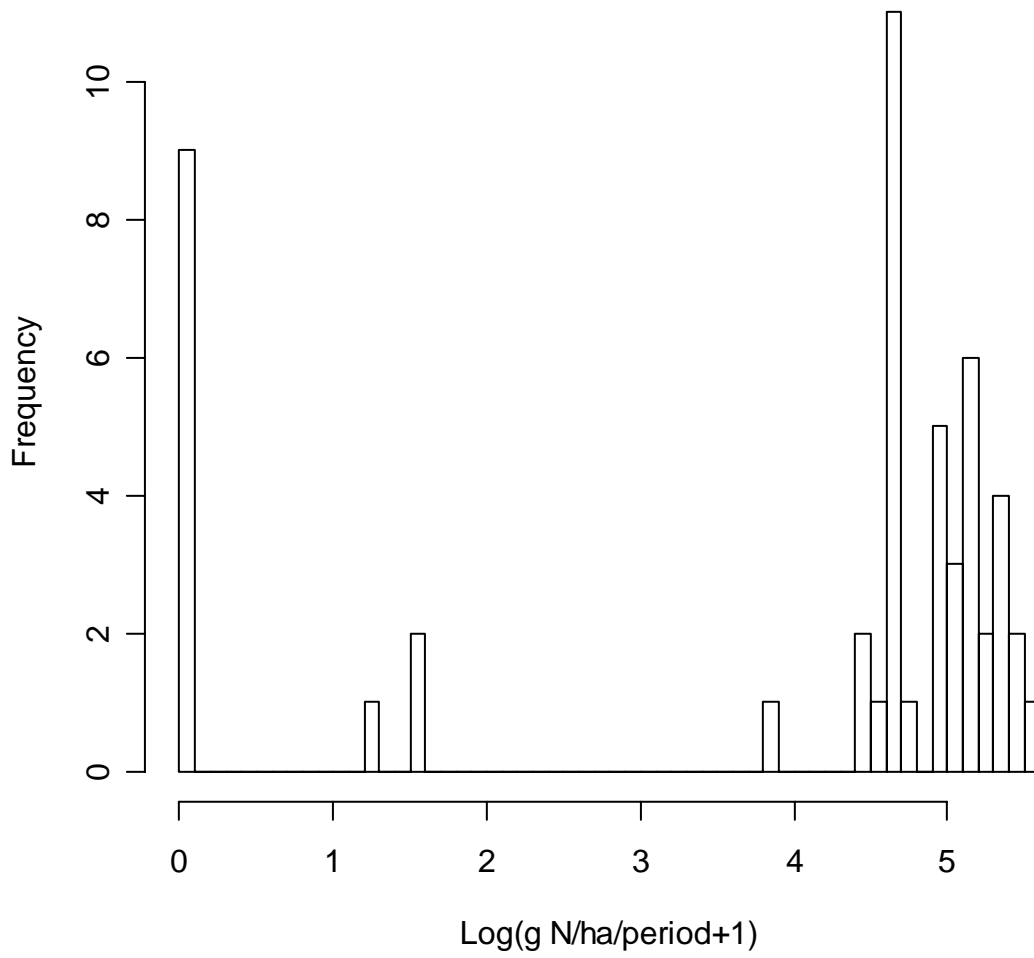
Rape Nitrogen Input Histogram



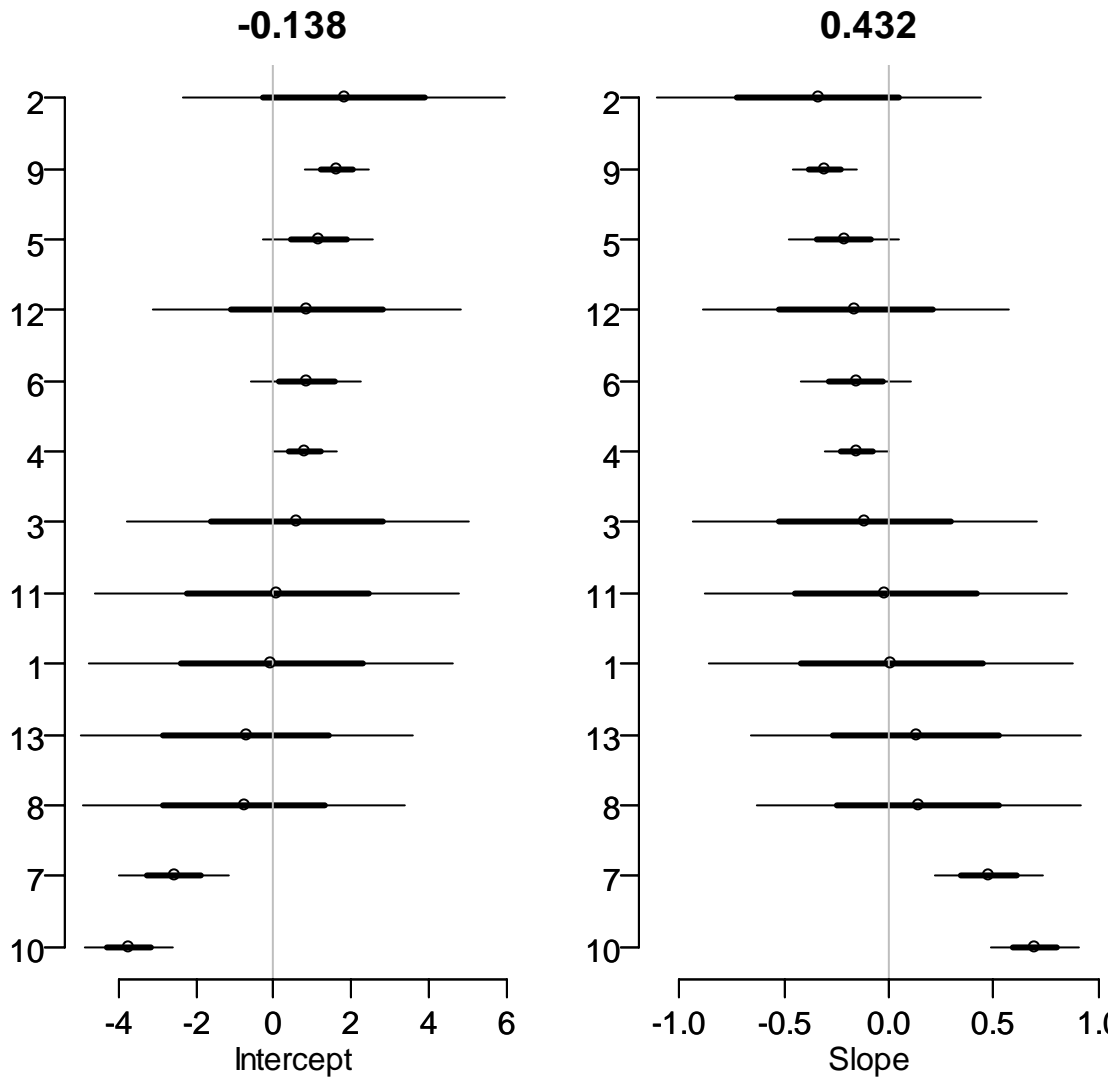
Histogram of Rape Log(N Input+1)



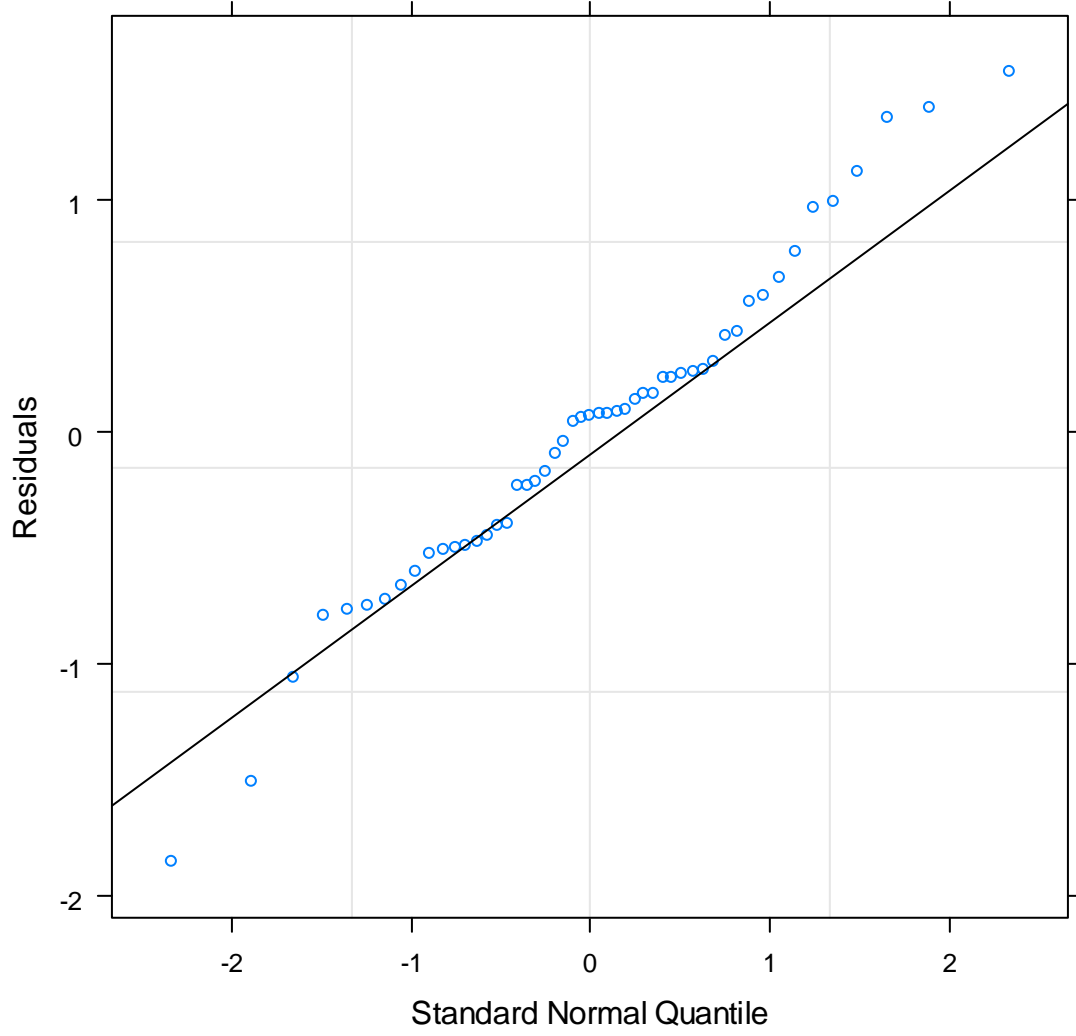
Histogram of Rape Log(N Input+1)



Rape MLM Random Effects

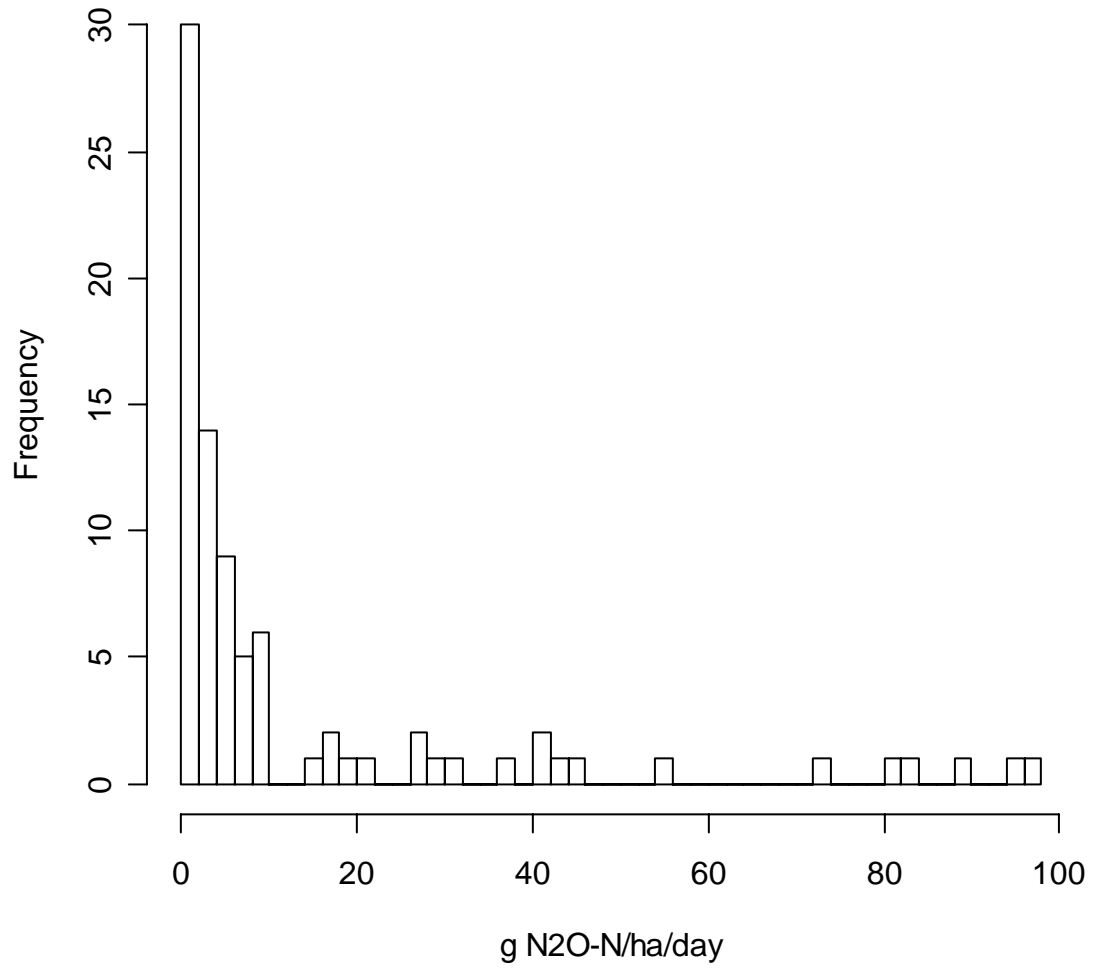


Rape MLM

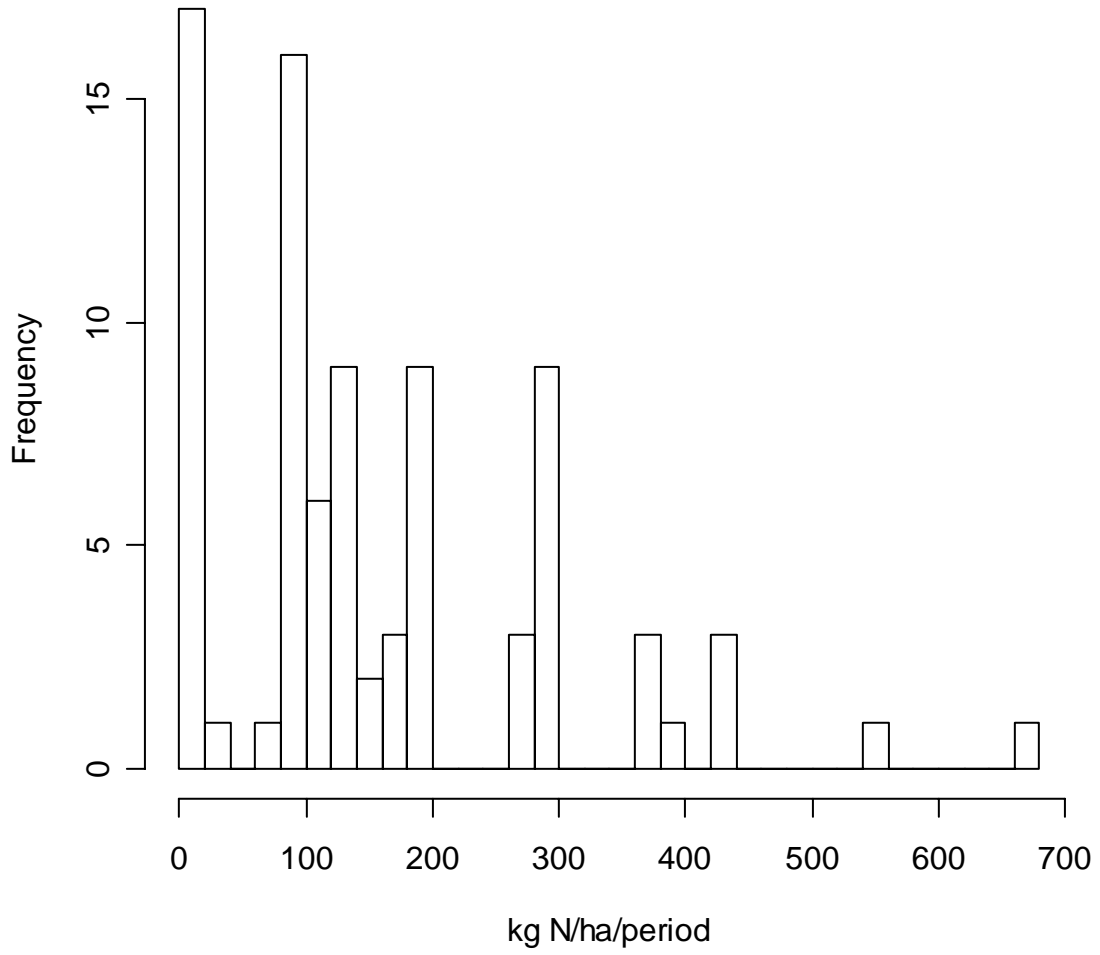


Rice

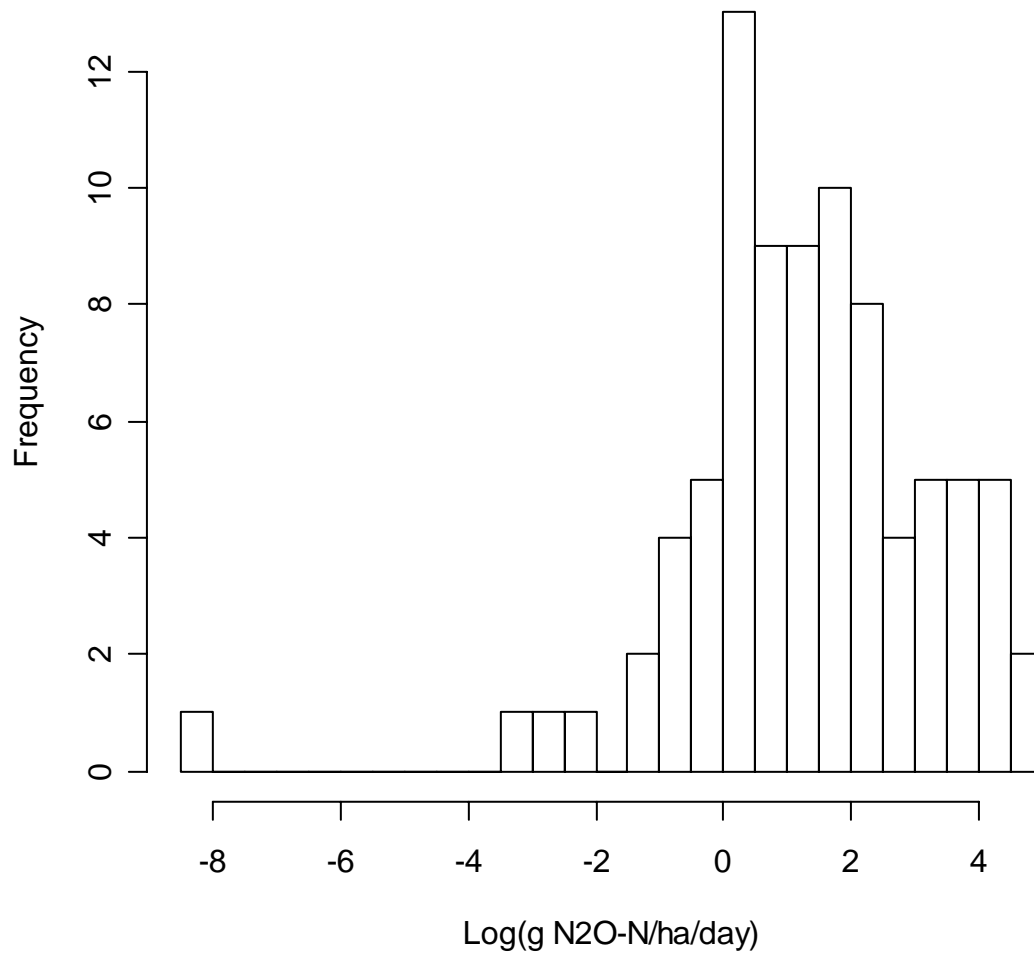
Rice Average Daily N2O Emissions Histogram



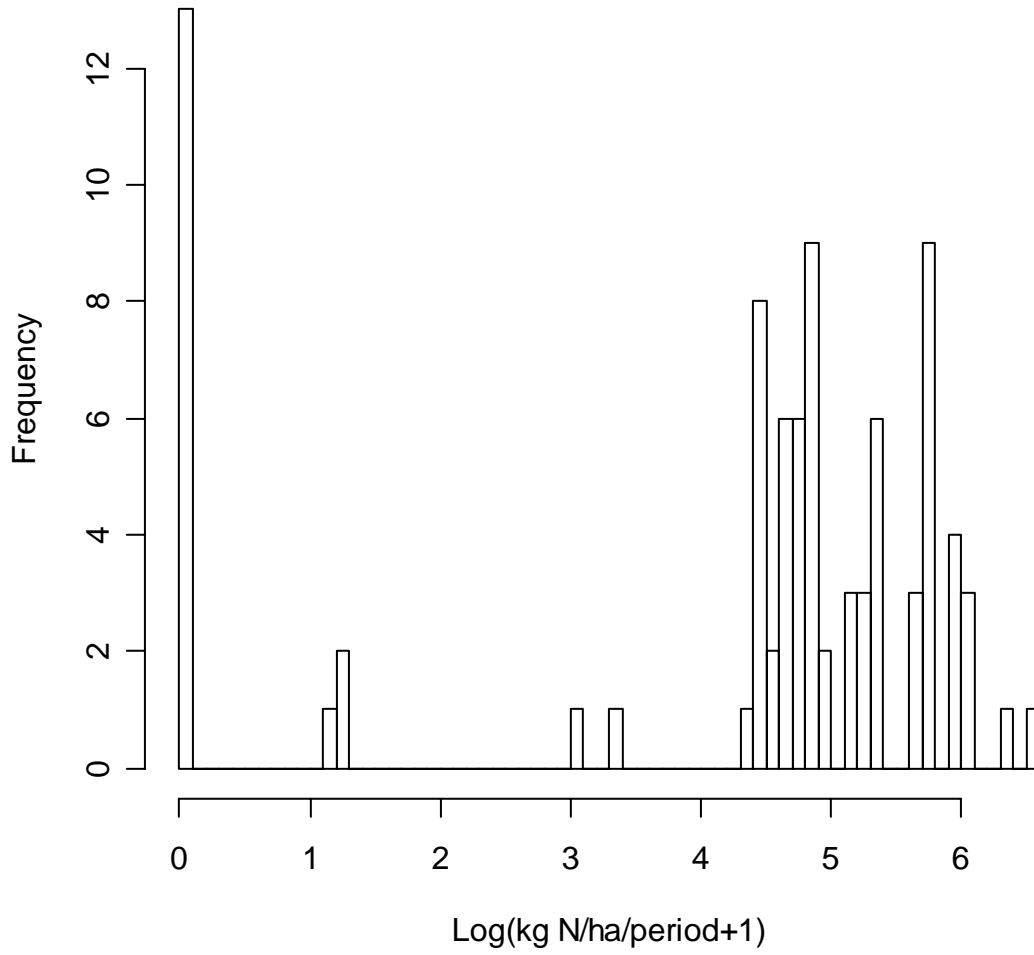
Rice Nitrogen Input Histogram



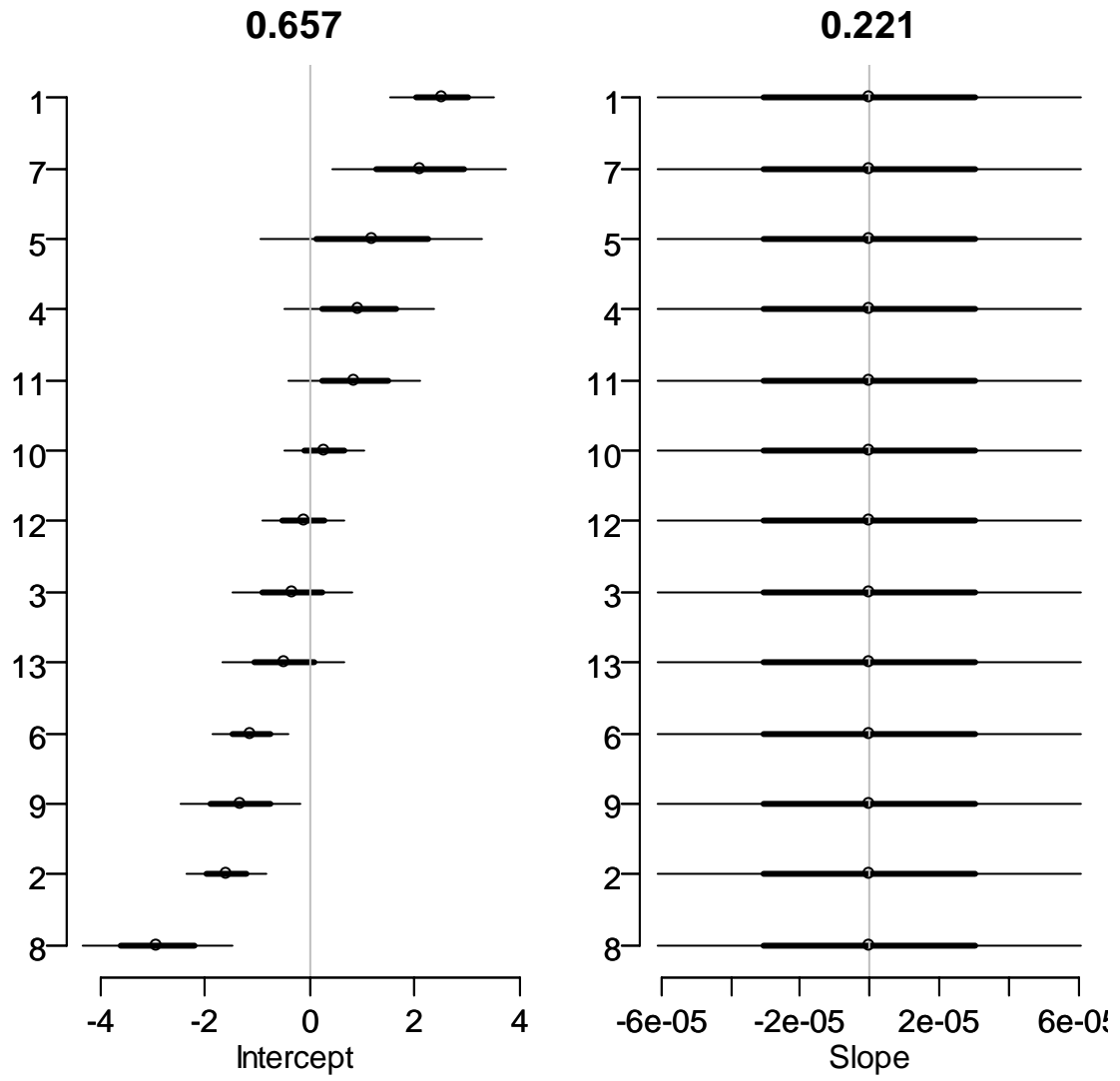
Rice Log(Average Daily Emissions) Histogram



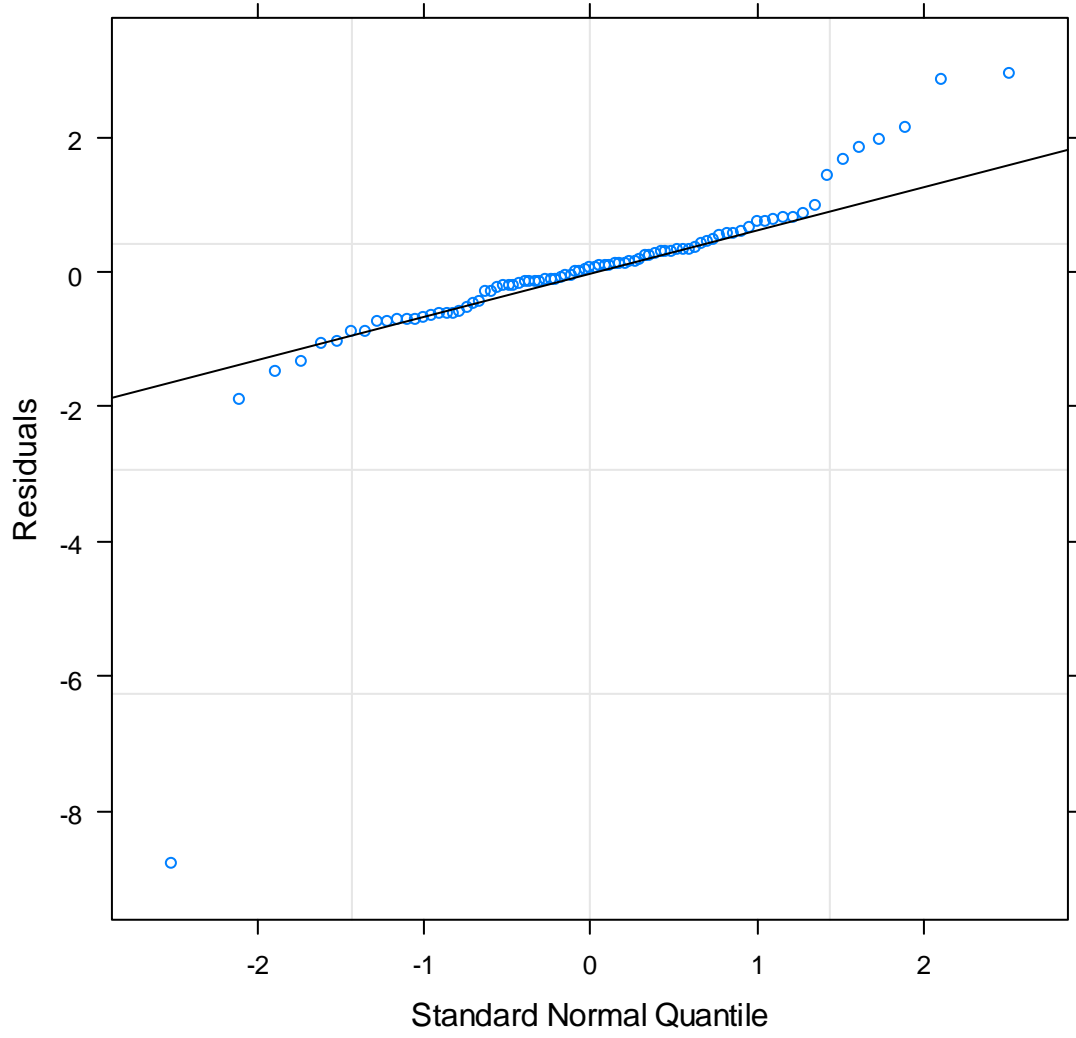
Histogram of Rice Log(N Input+1)



Rice MLM Random Effects

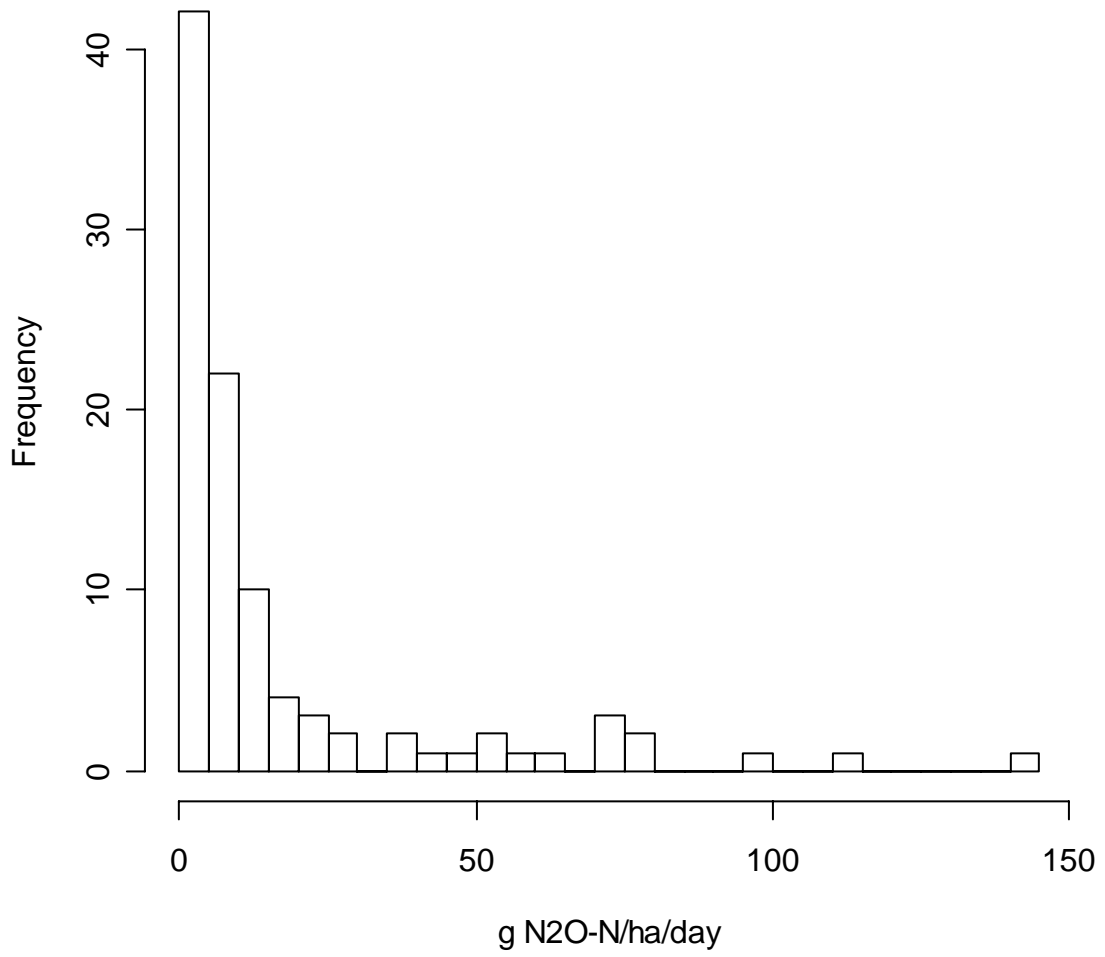


Rice MLM

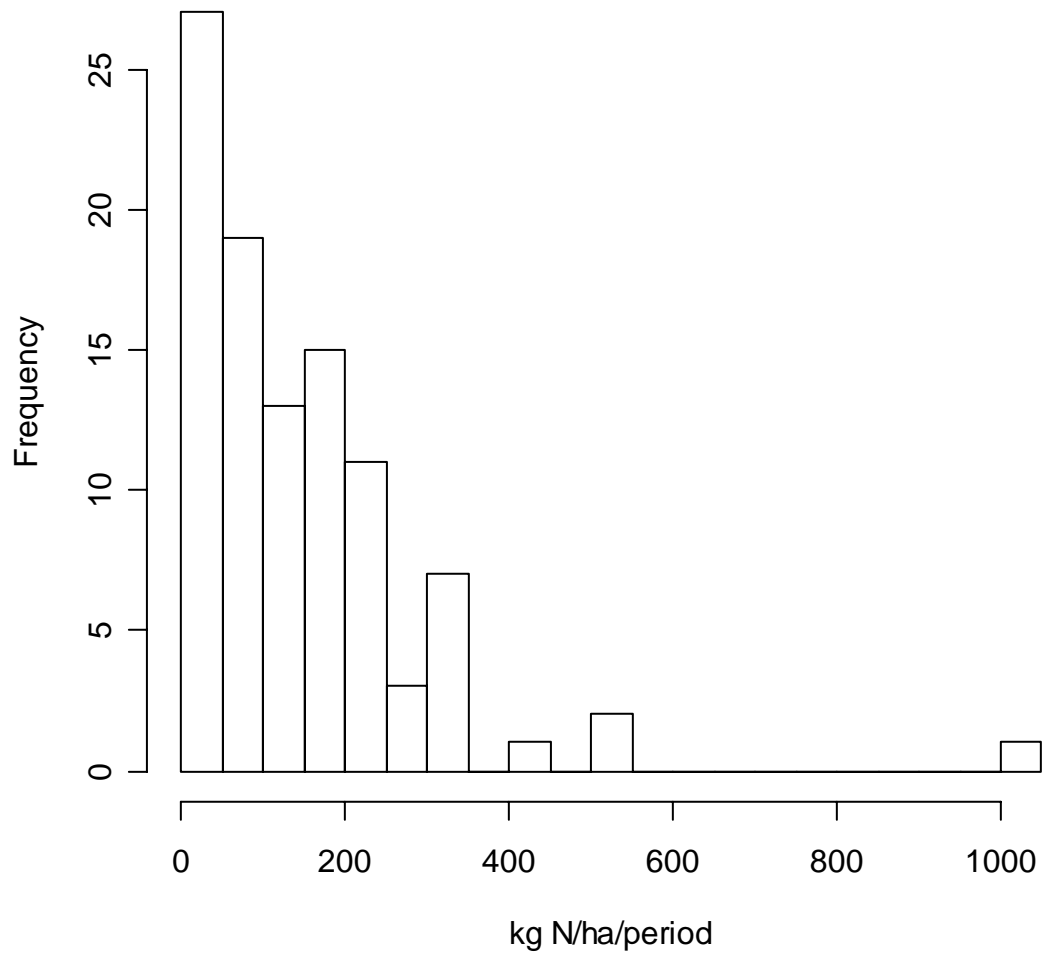


Vegetable

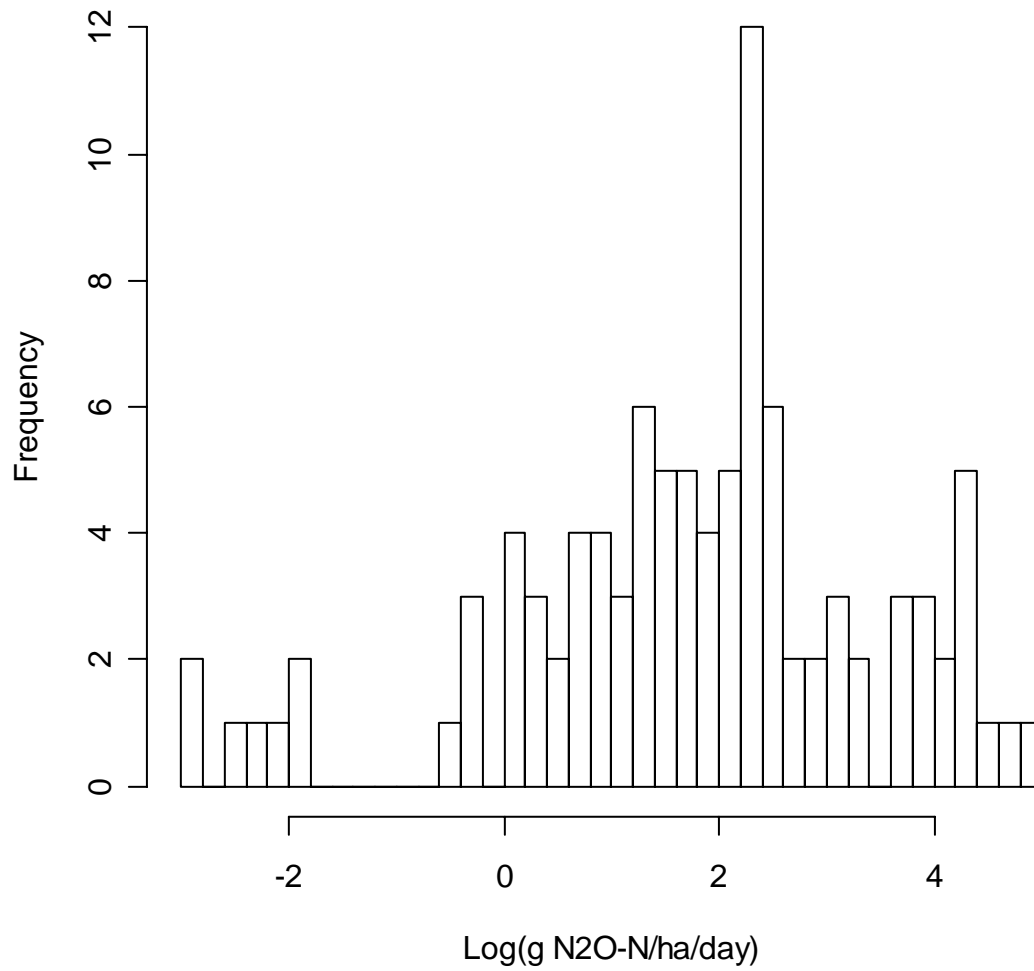
Vegetable Average Daily N2O Emissions Histogram



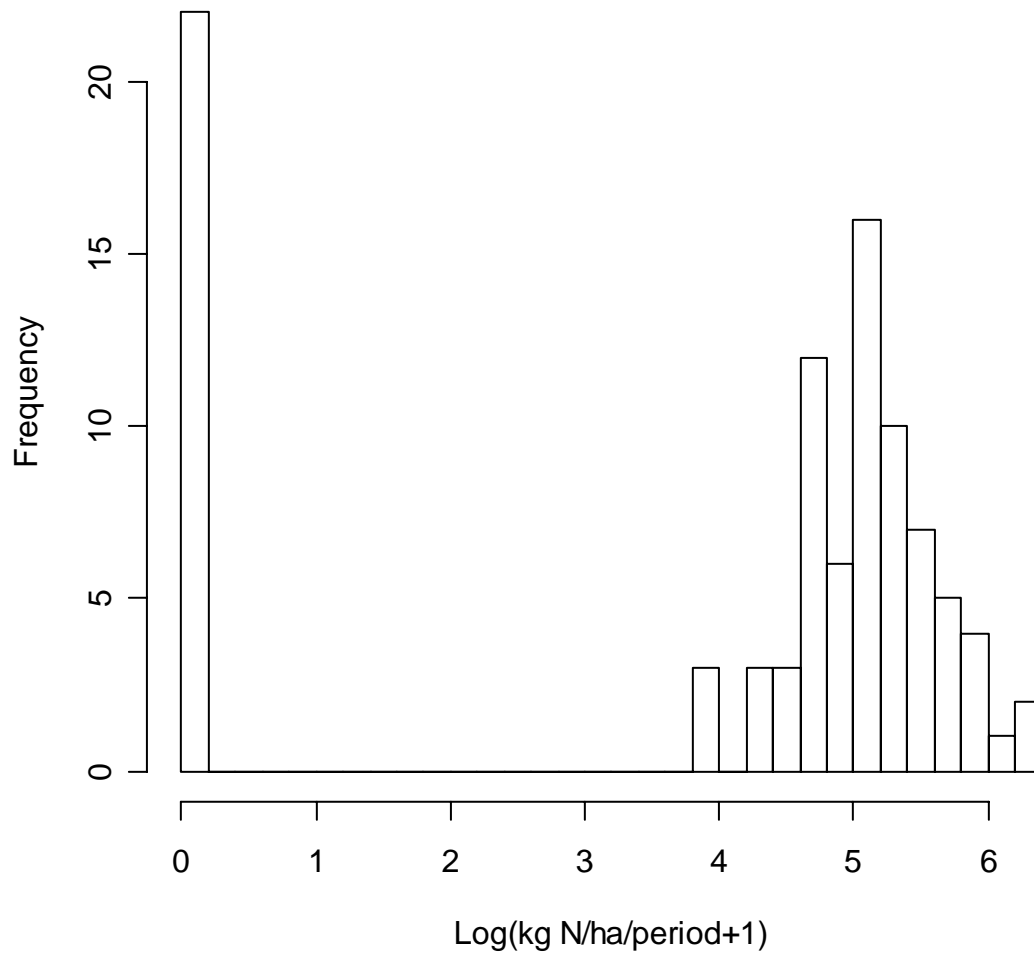
Veg Nitrogen Input Histogram



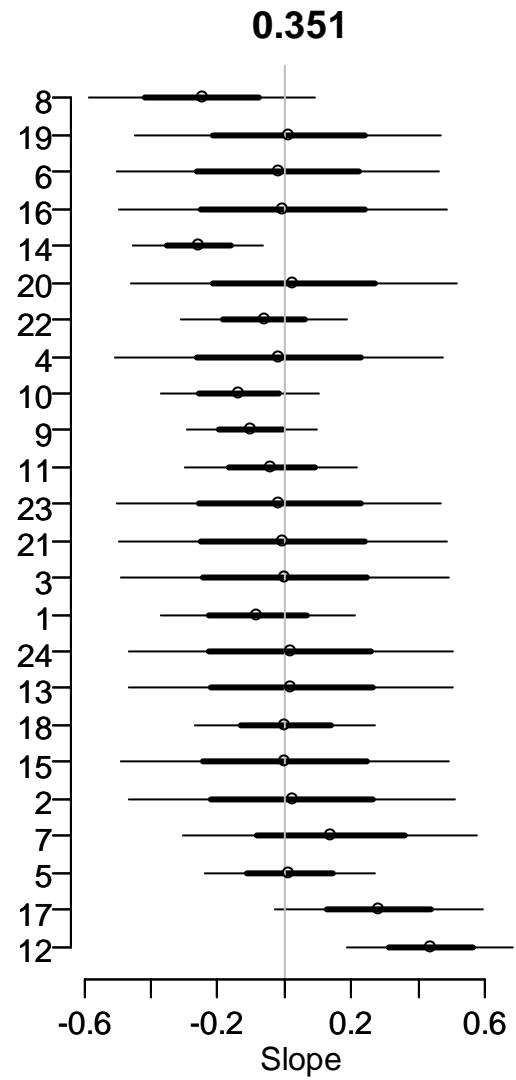
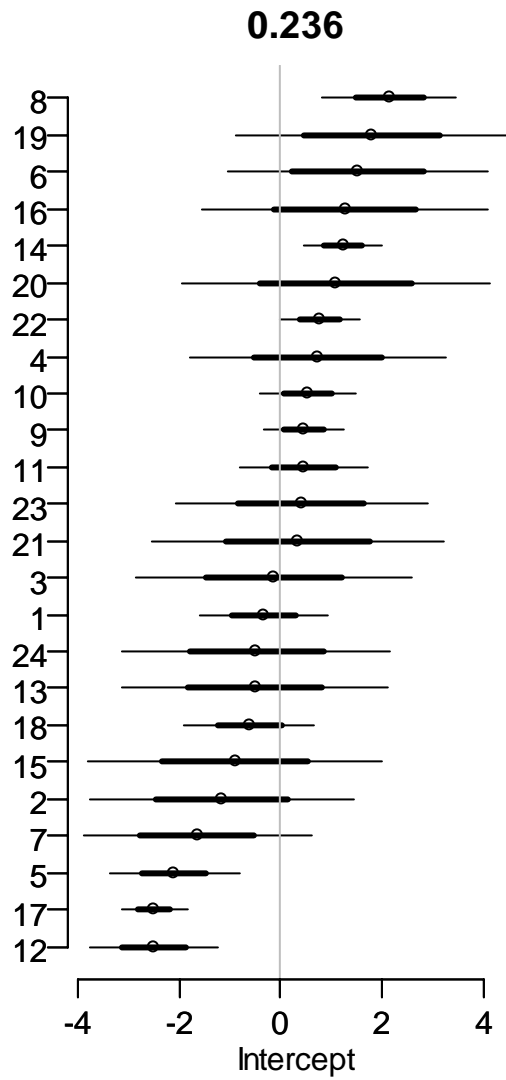
Vegetable Log(Average Daily Emissions) Histogram



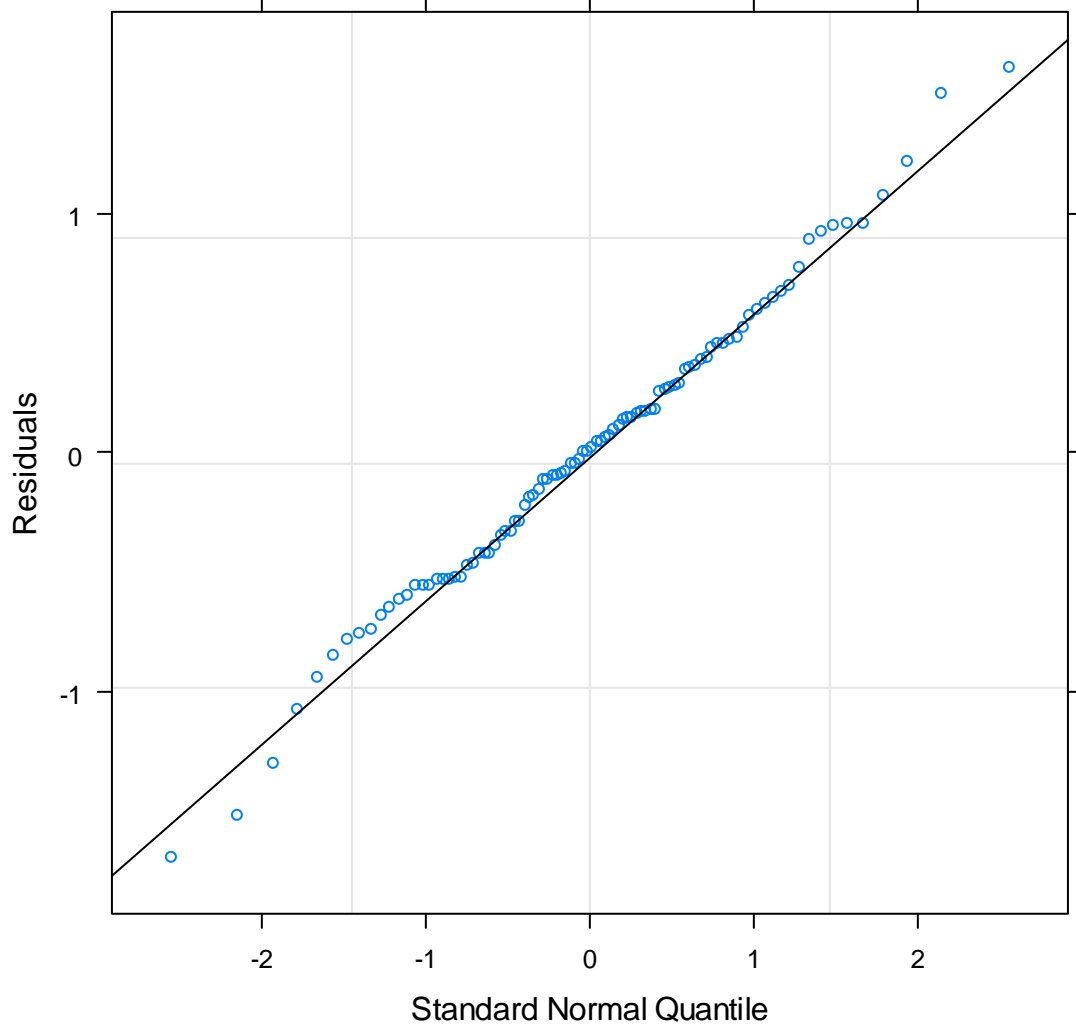
Vegetable Log(N Input+1) Histogram



Veg MLM Random Effects

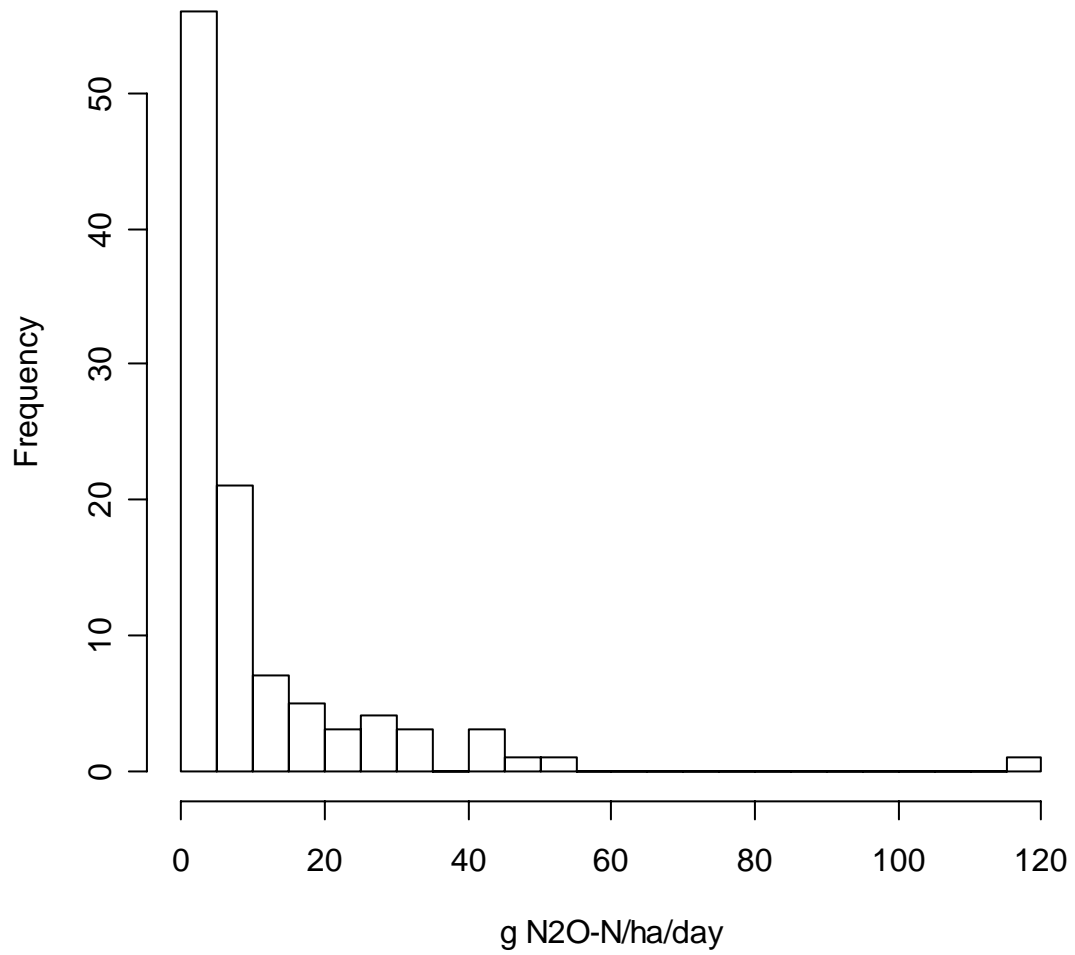


Veg MLM

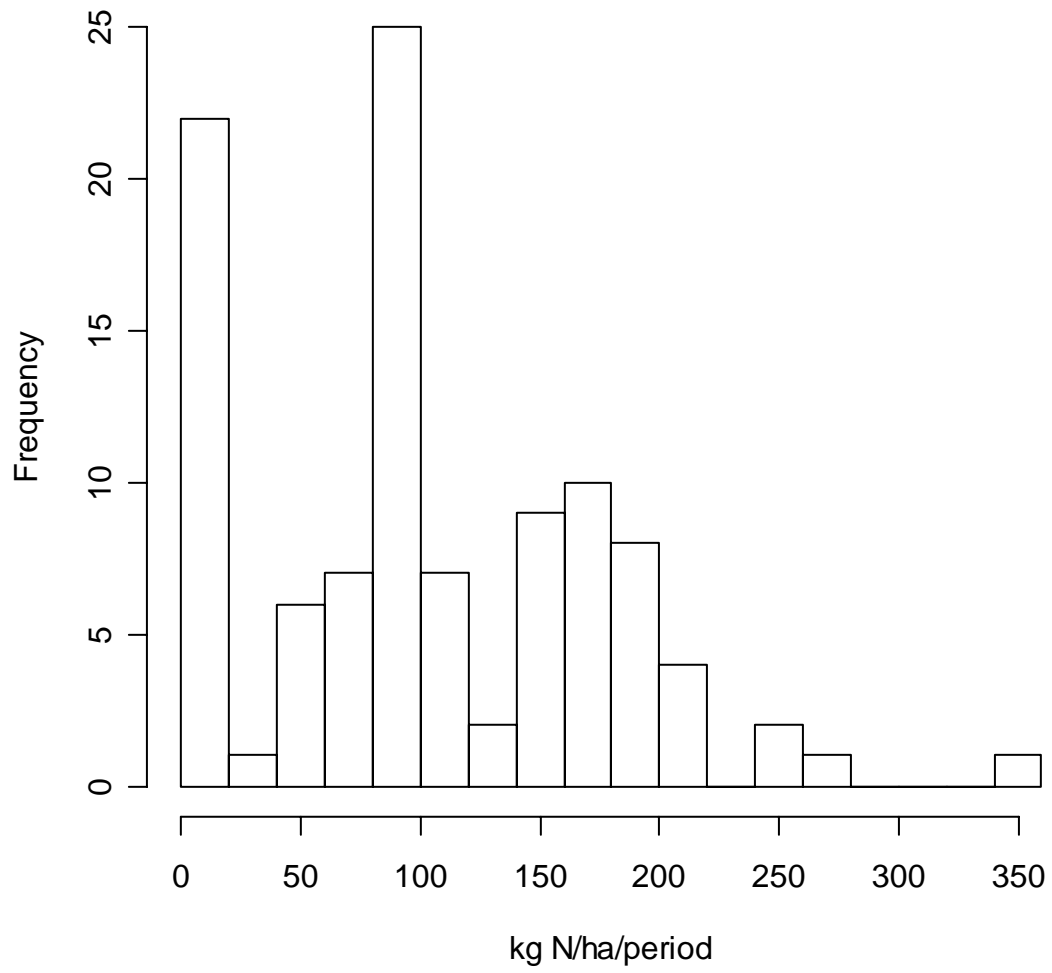


Wheat

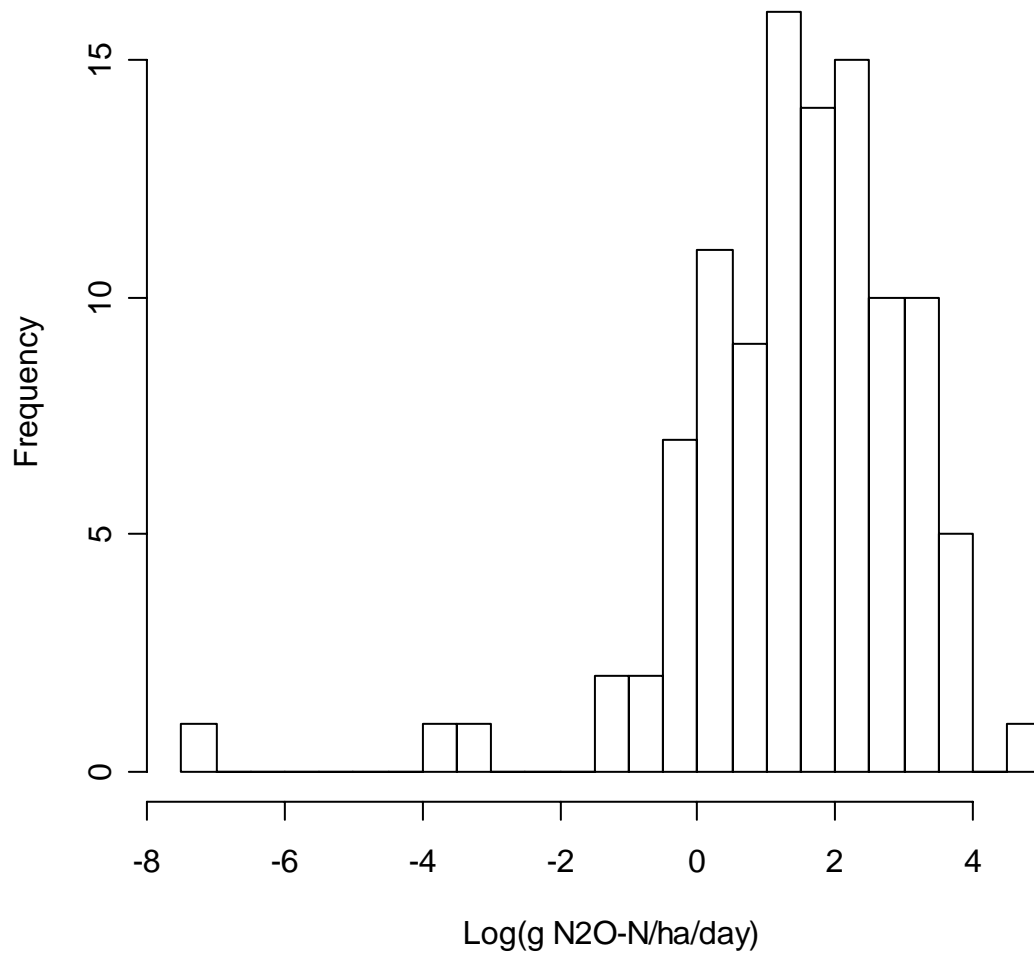
Wheat Average Daily N2O Emissions Histogram



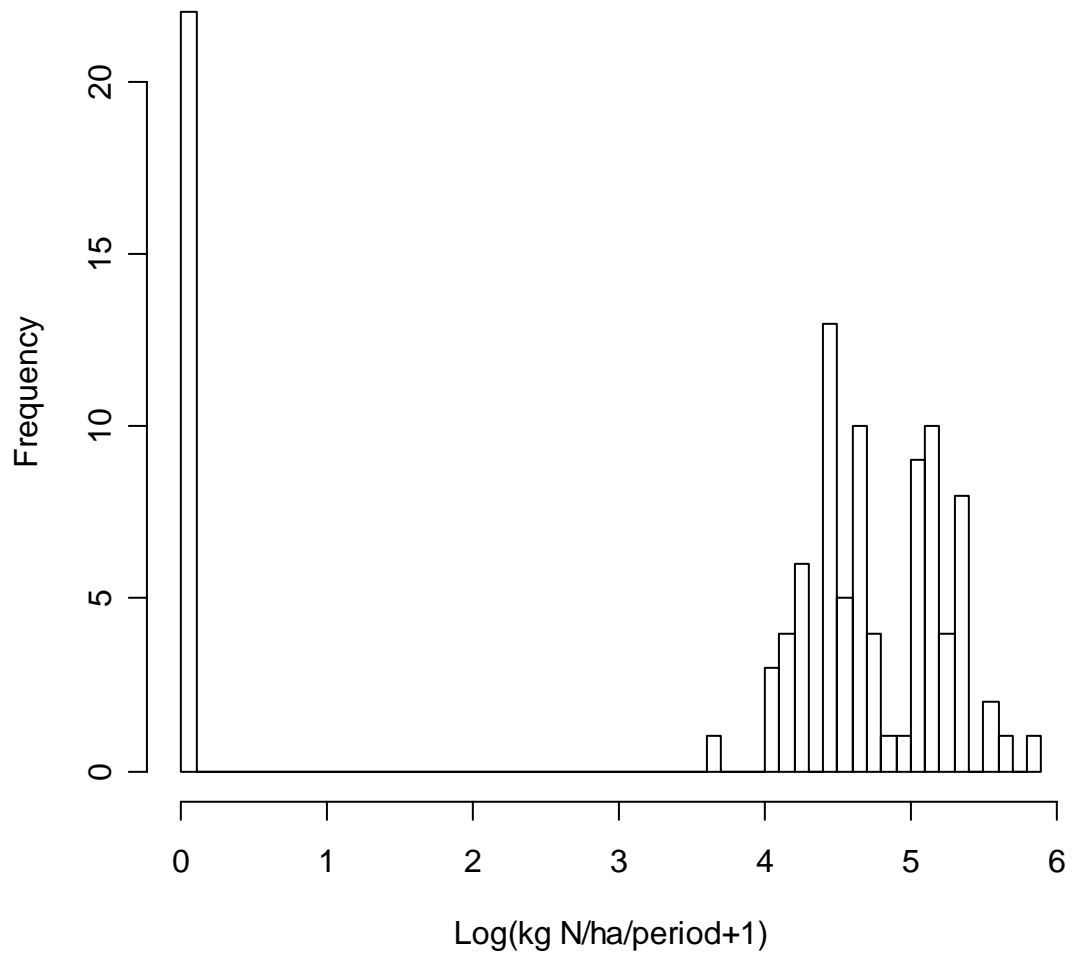
Wheat Nitrogen Input Histogram



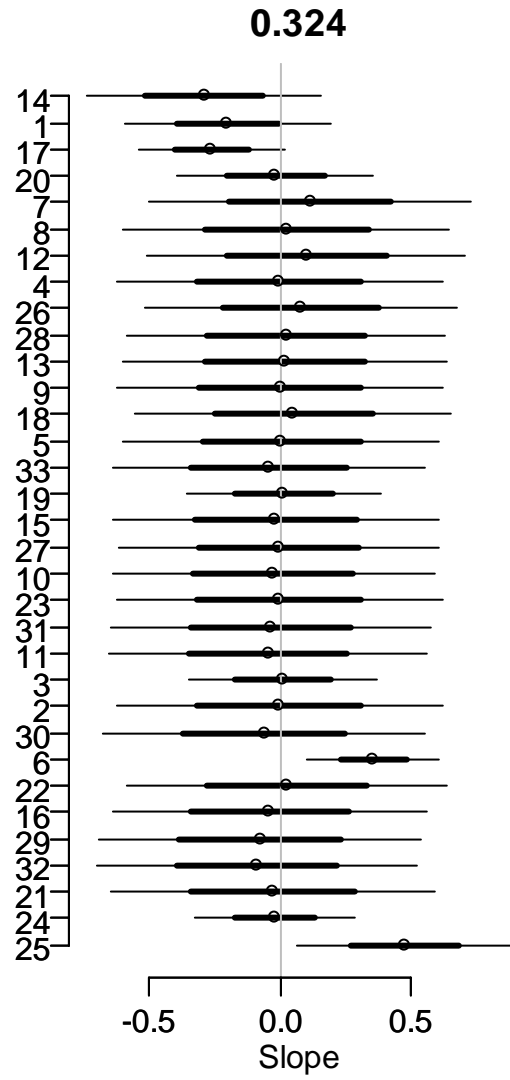
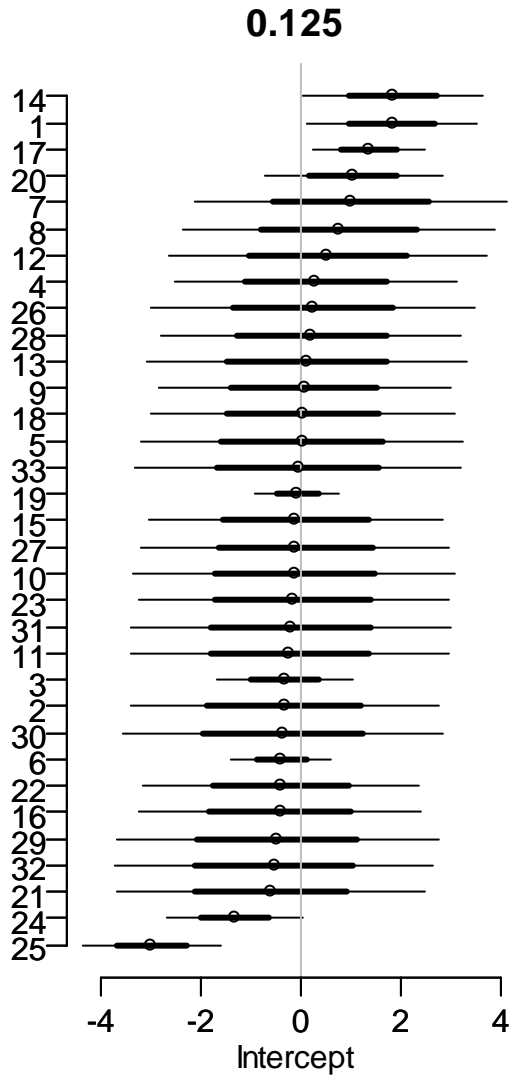
Wheat Log(Average Daily Emissions) Histogram



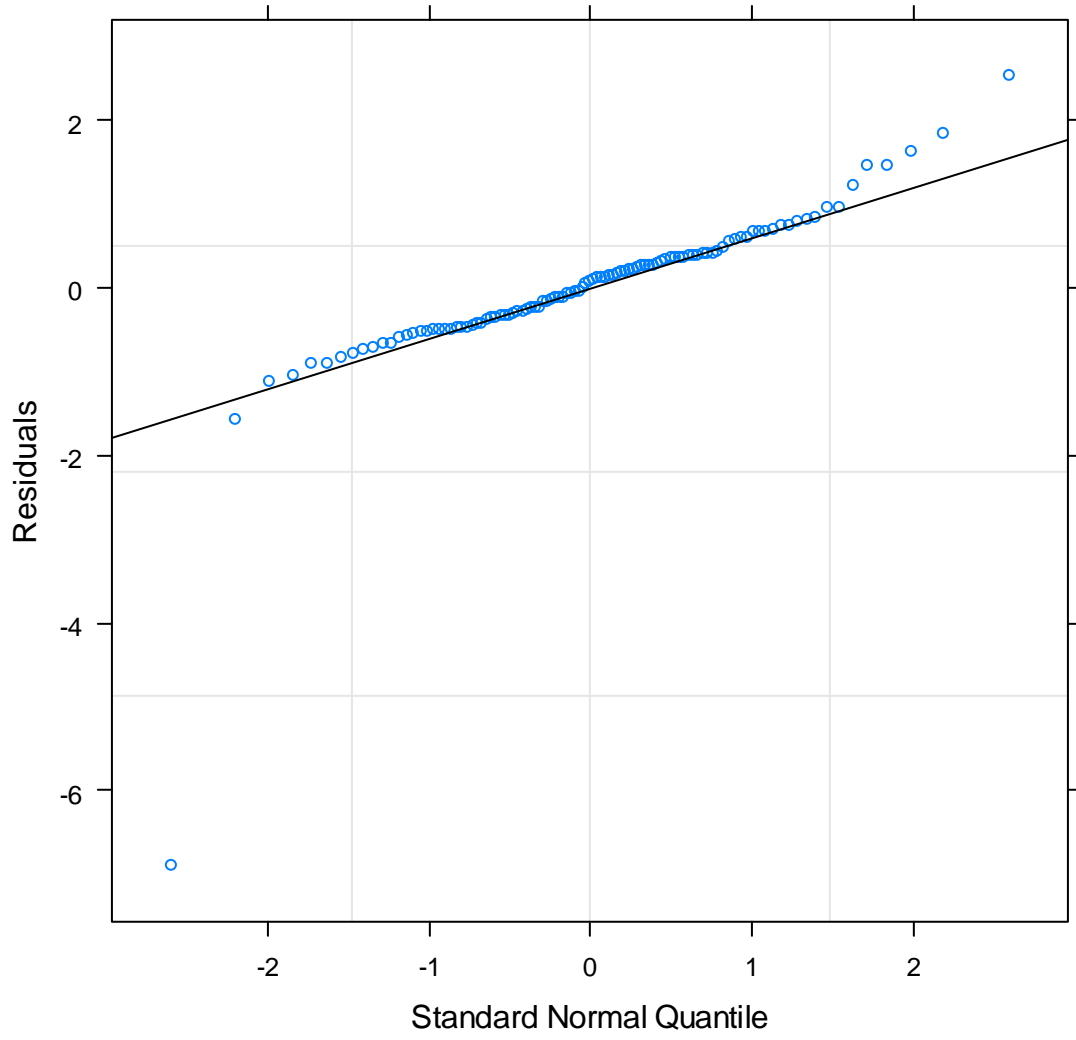
Histogram of Wheat Log(N Input+1)



Wheat MLM Random Effects



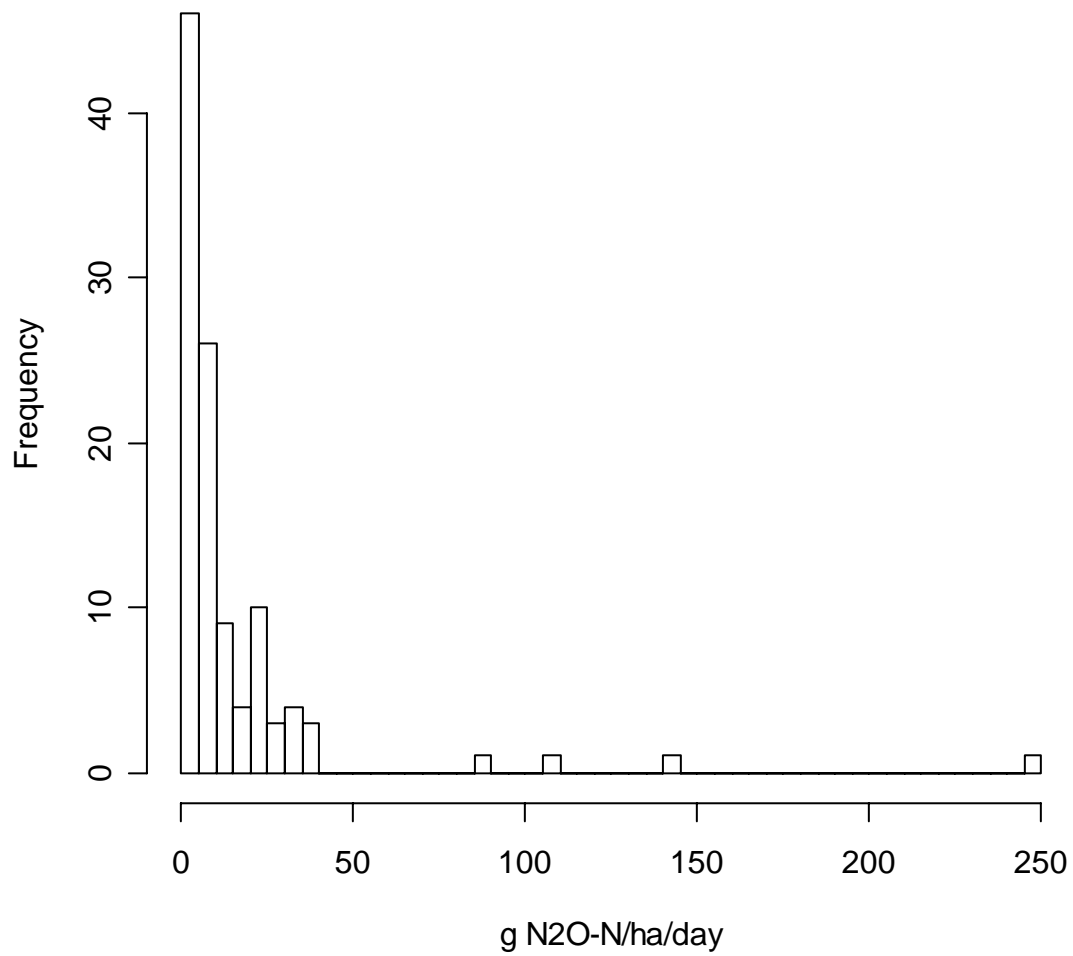
Wheat MLM



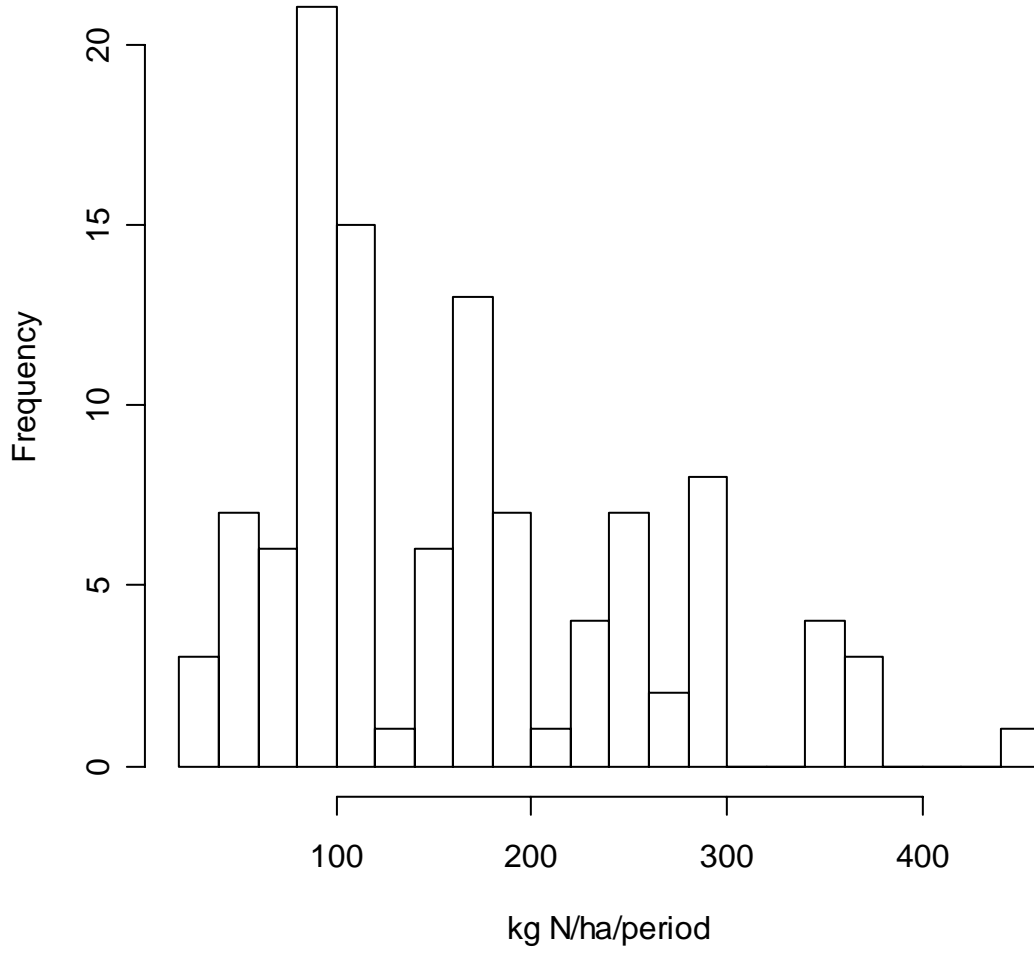
Fertilizer Type Models

Ammonia

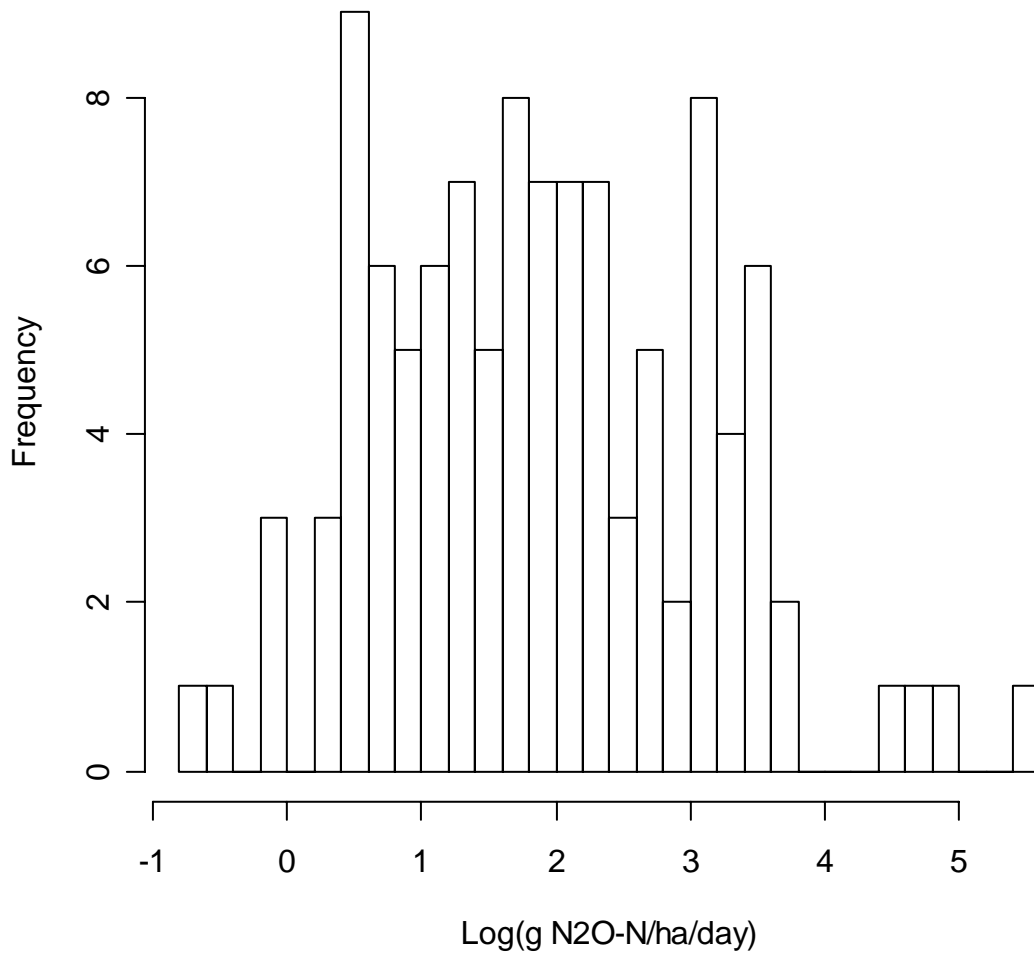
Ammonia Average Daily N₂O Emissions Histogram



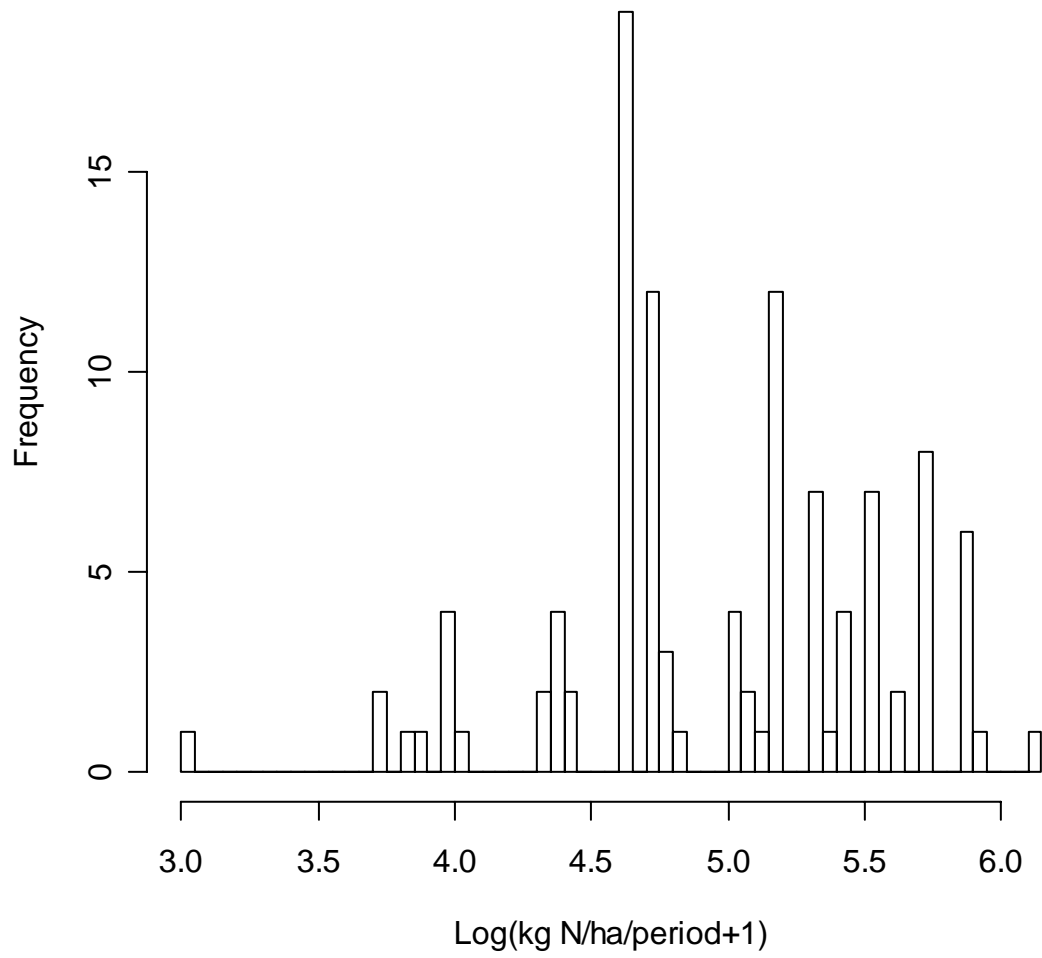
Ammonia Nitrogen Input Histogram



Log(Ammonia Average Daily Emissions) Histogram

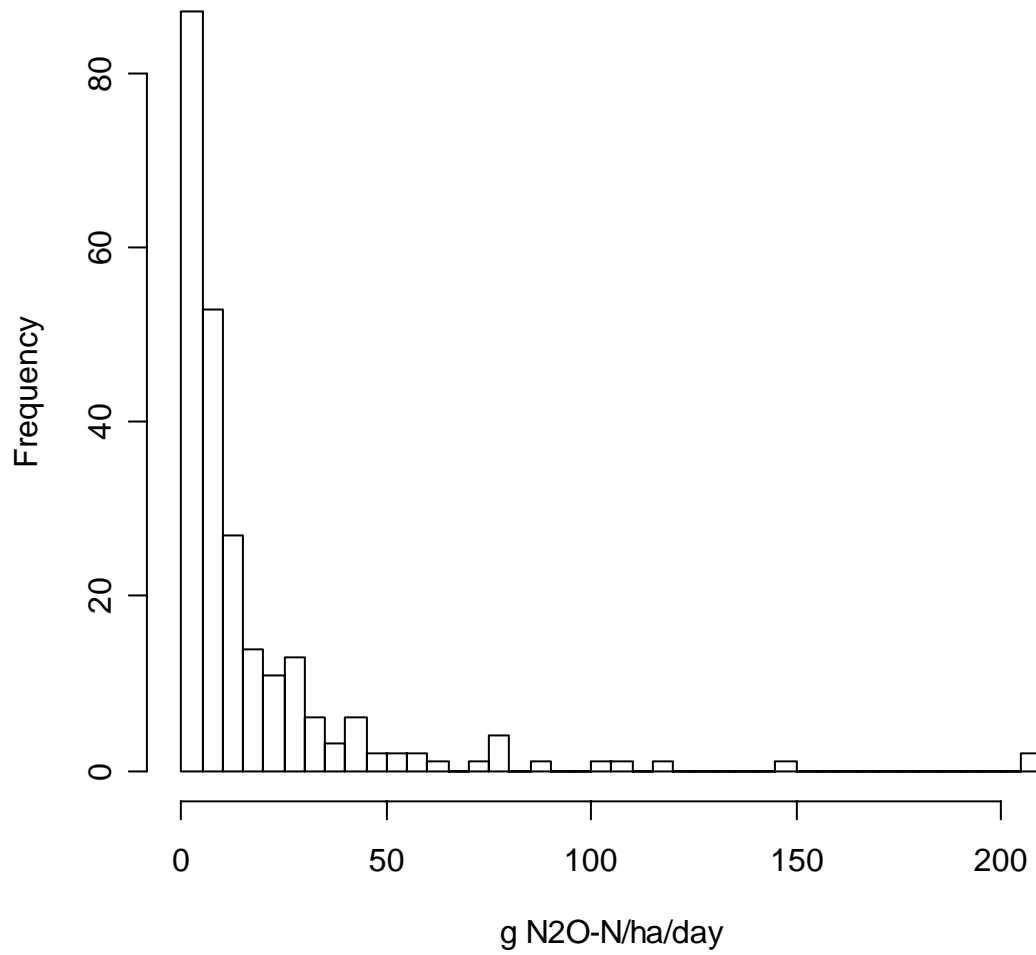


Log(Ammonia Input+1) Histogram

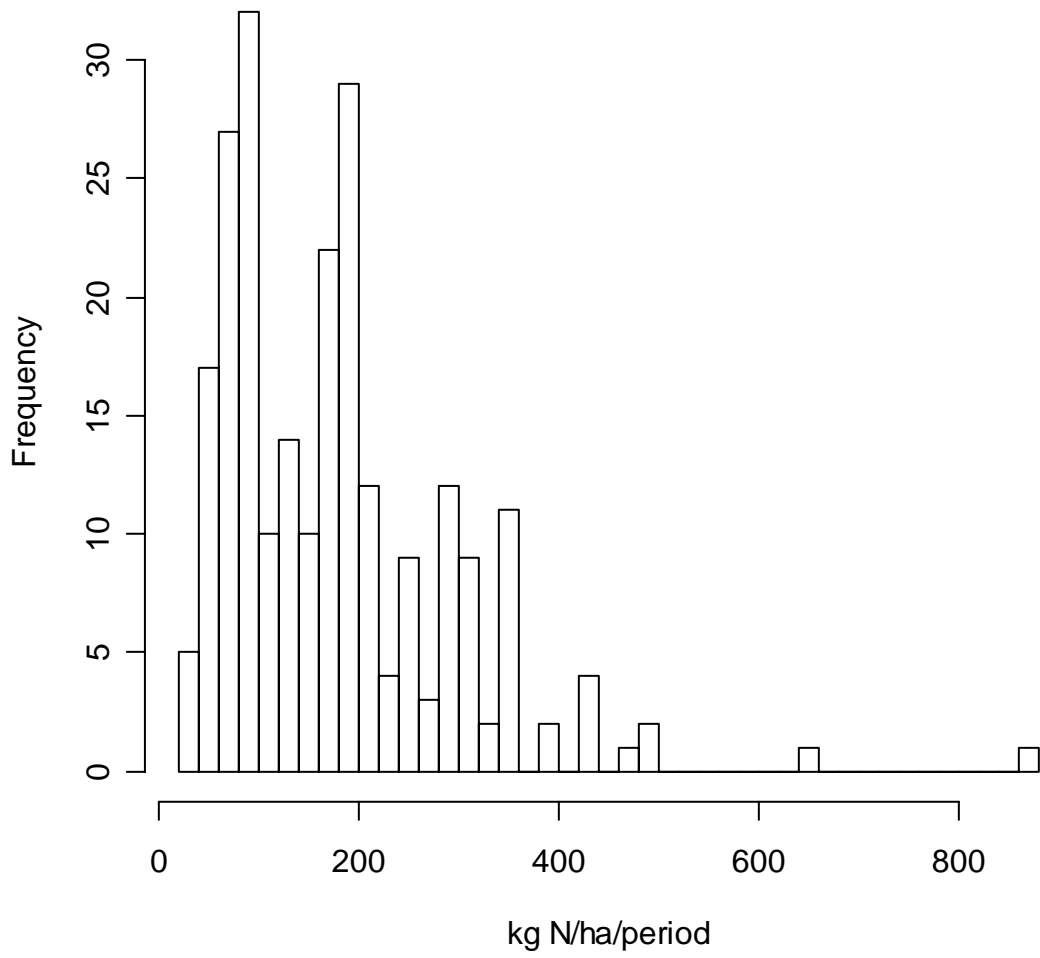


Ammonium Nitrate

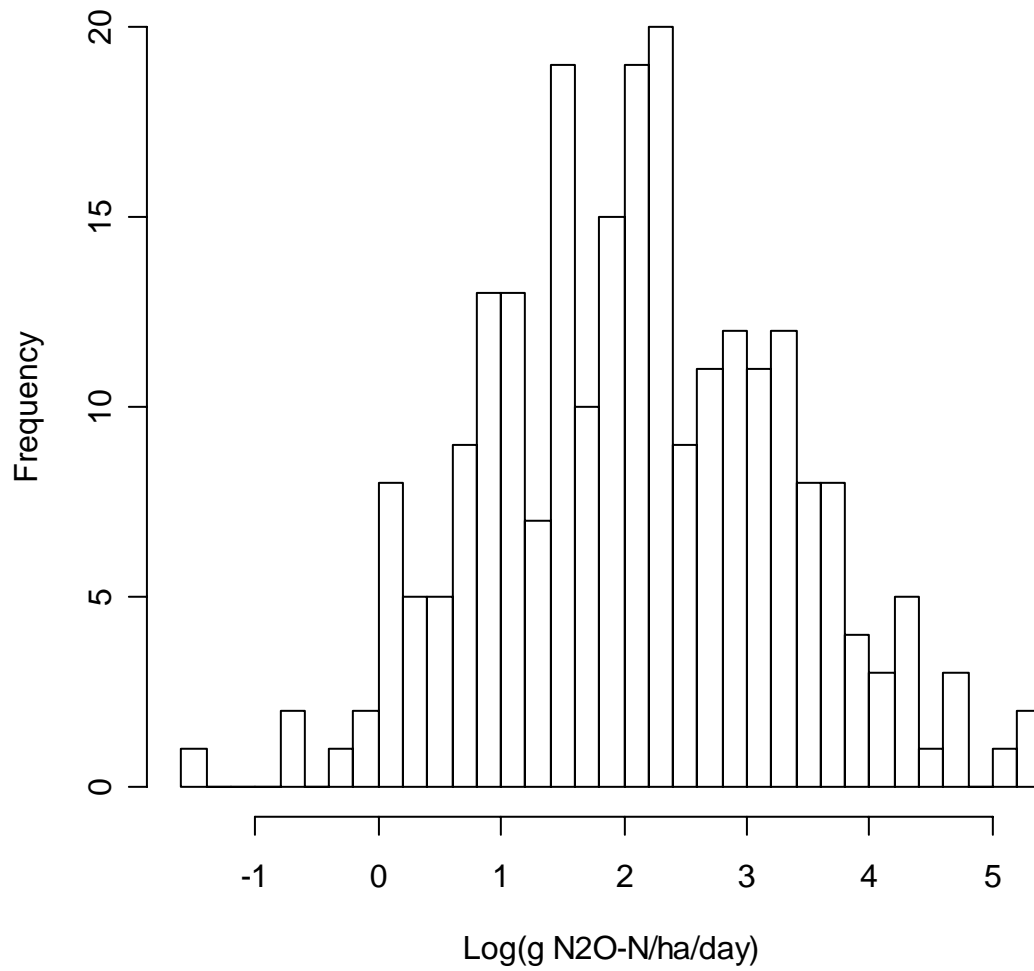
AN Average Daily N2O Emissions Histogram



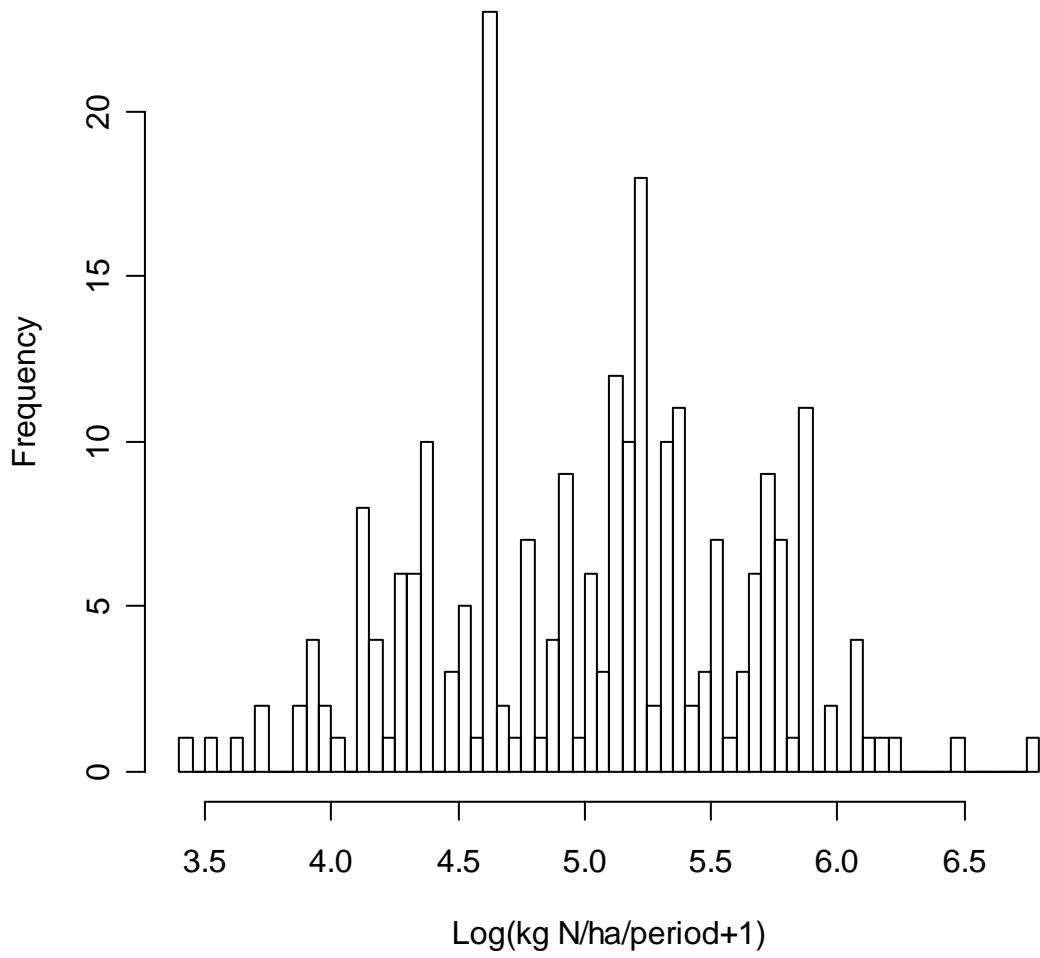
AN Nitrogen Input Histogram



AN Log(Average Daily Emissions) Histogram

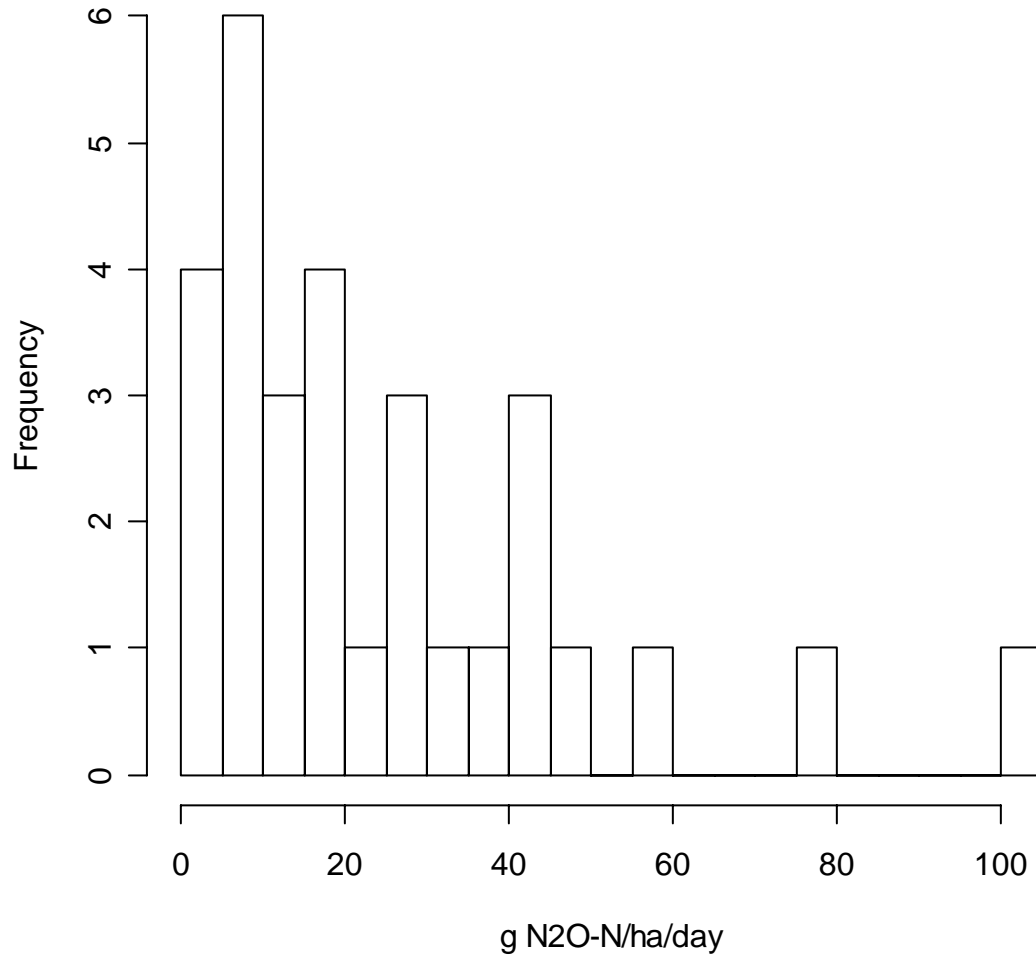


AN Log(N Input+1) Histogram

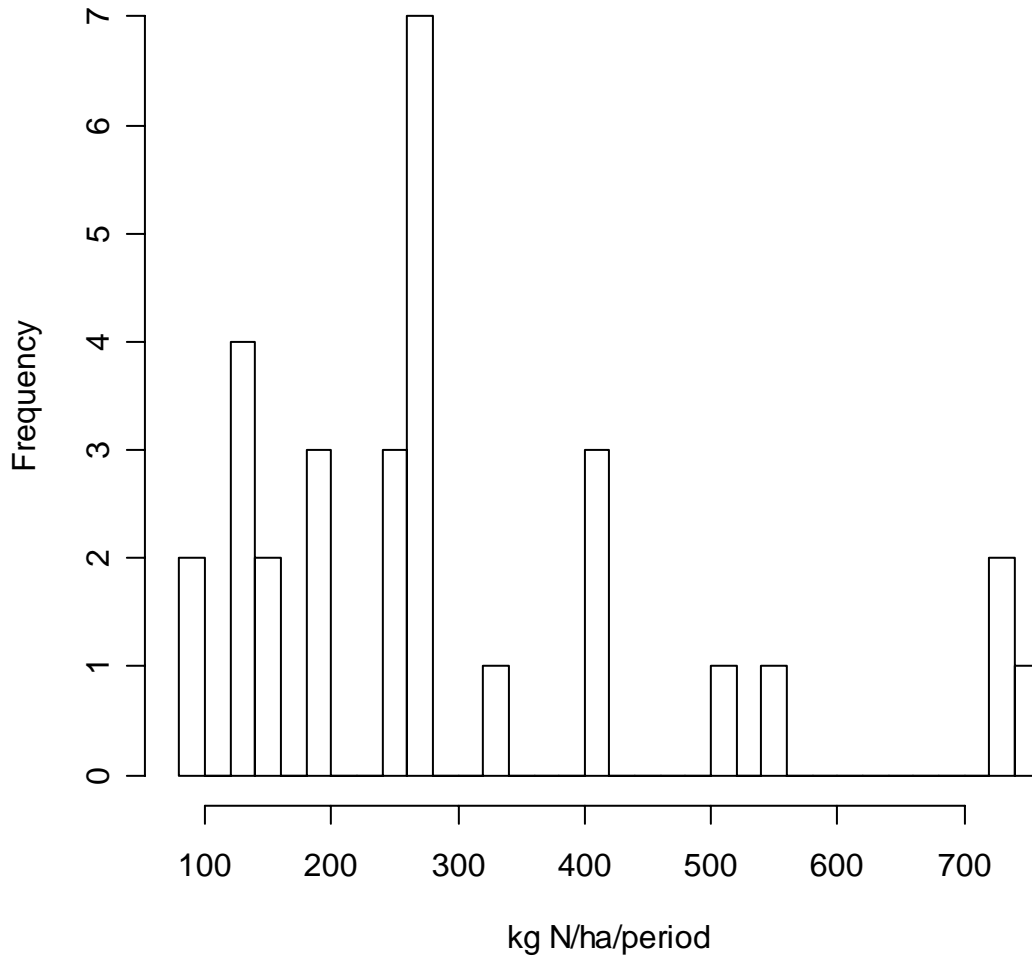


Ammonium Nitrate – Manure

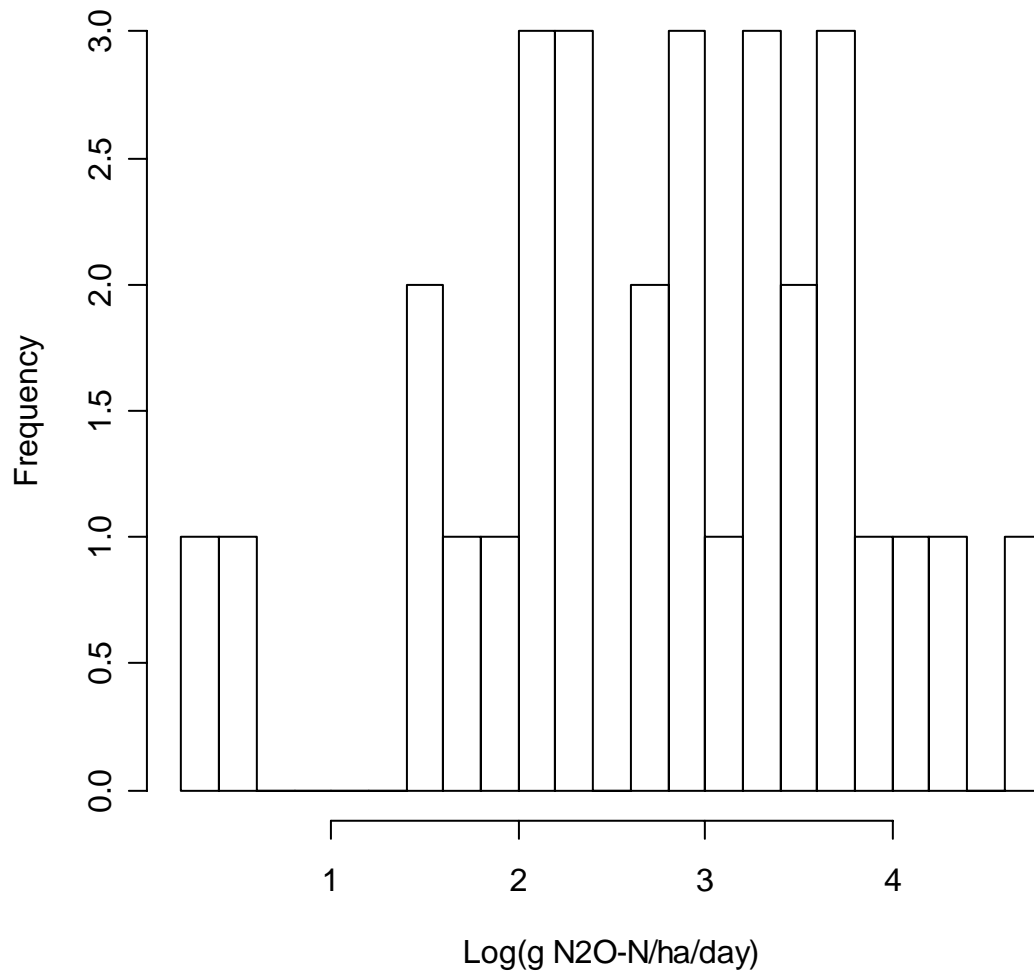
ANM Average Daily N₂O Emissions Histogram



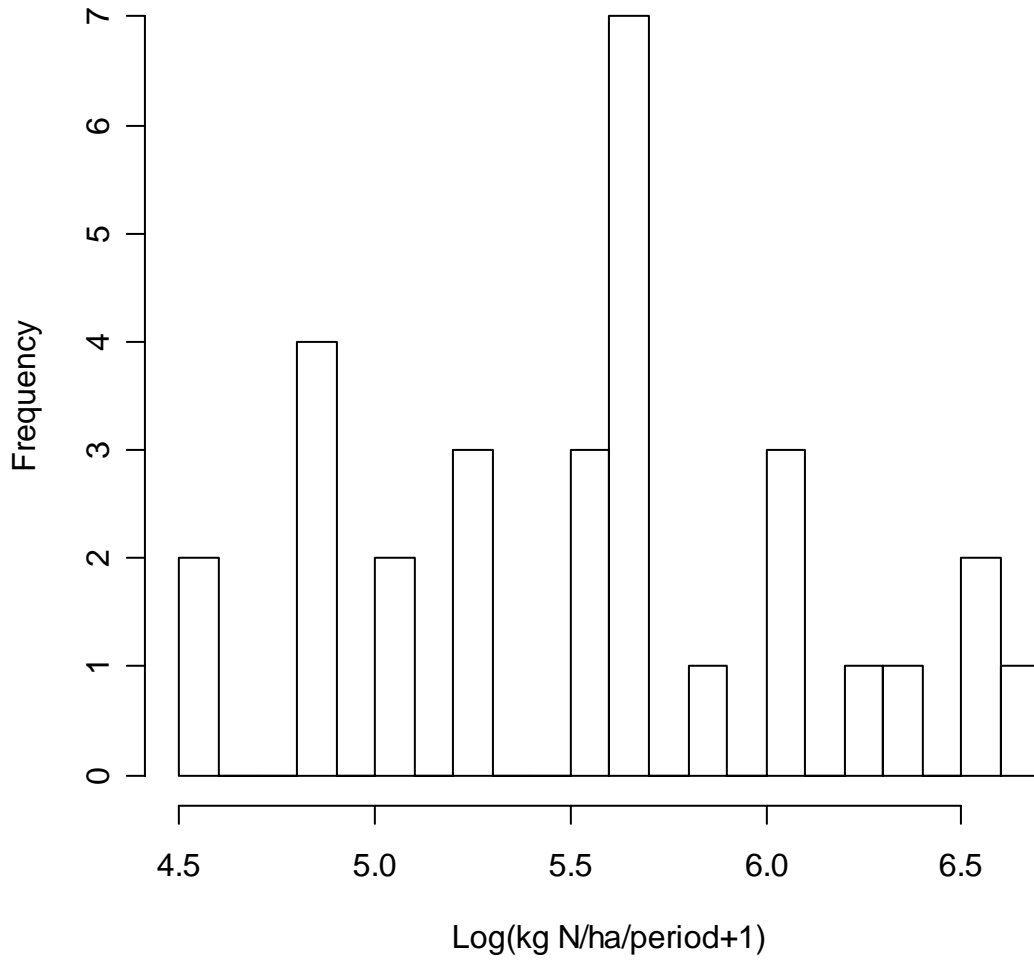
ANM Nitrogen Input Histogram



Log(ANM Average Daily Emissions) Histogram

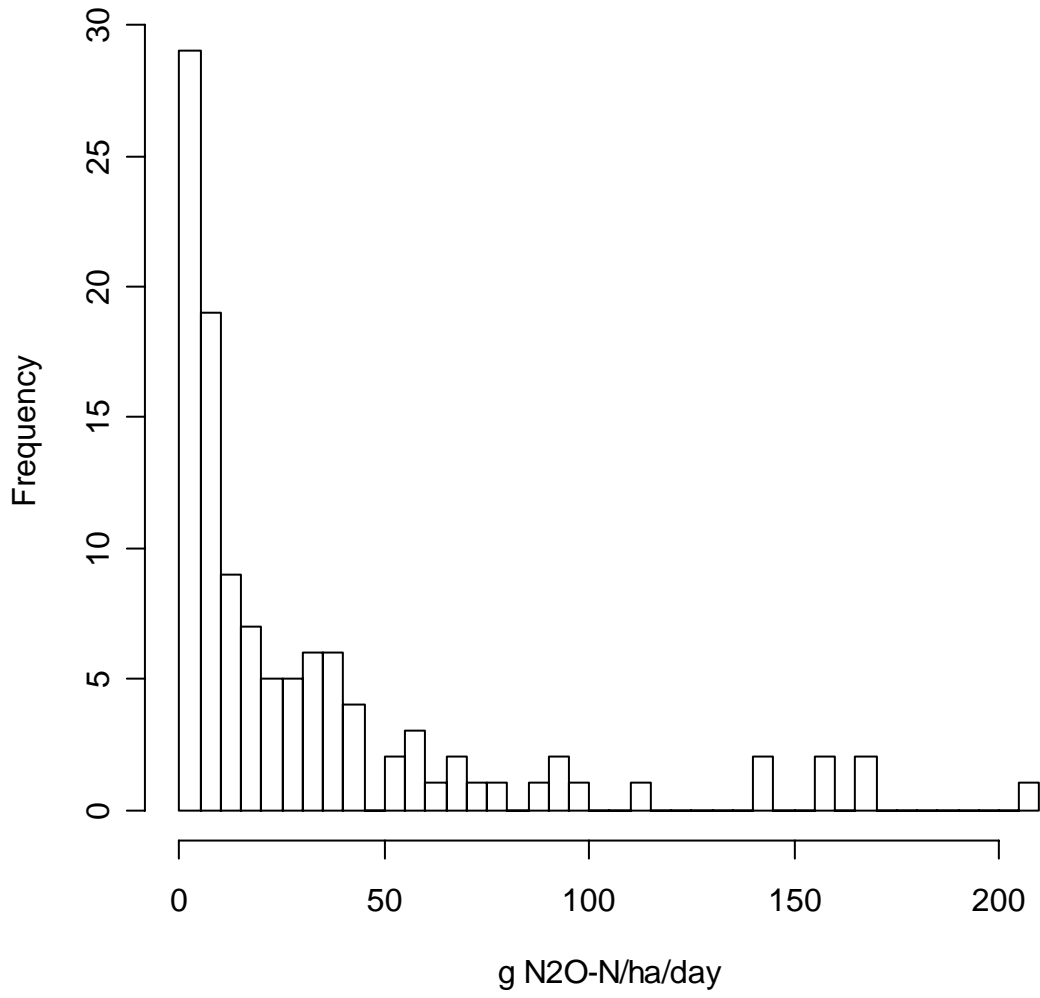


Log(ANM Input+1) Histogram

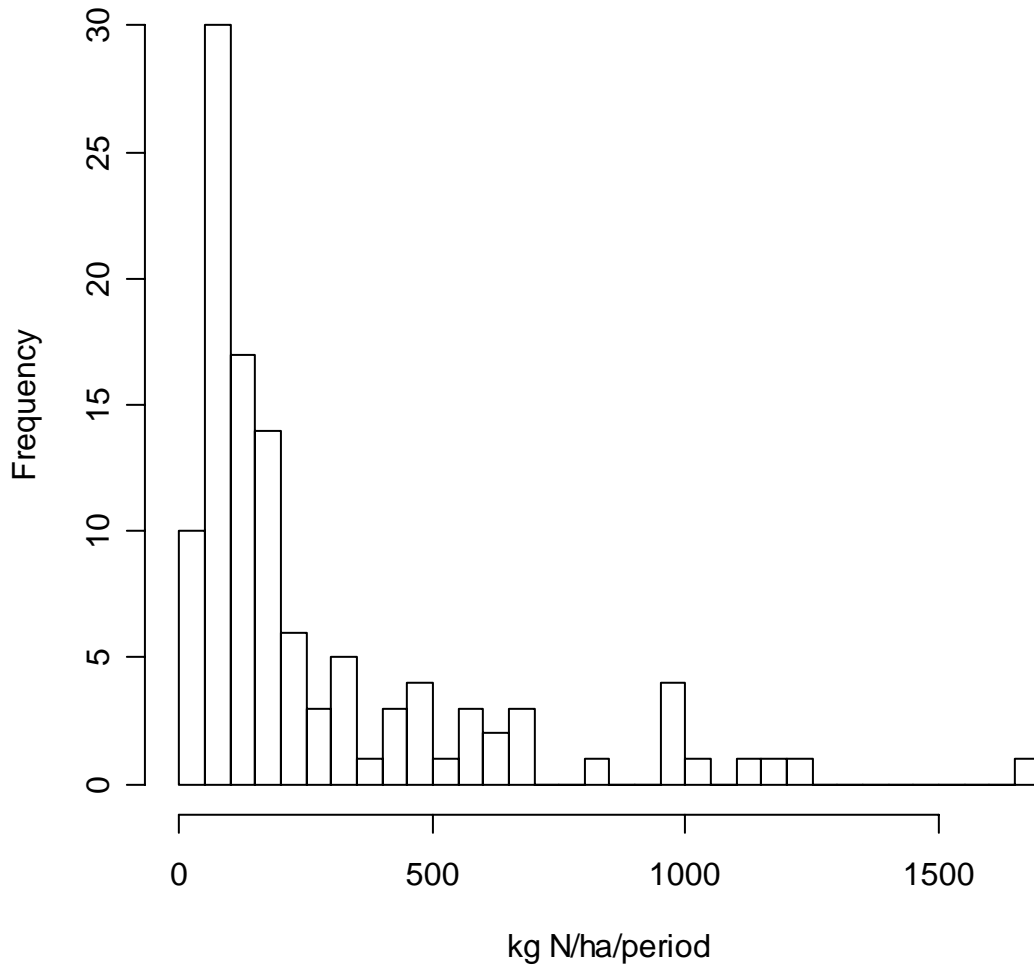


Manure

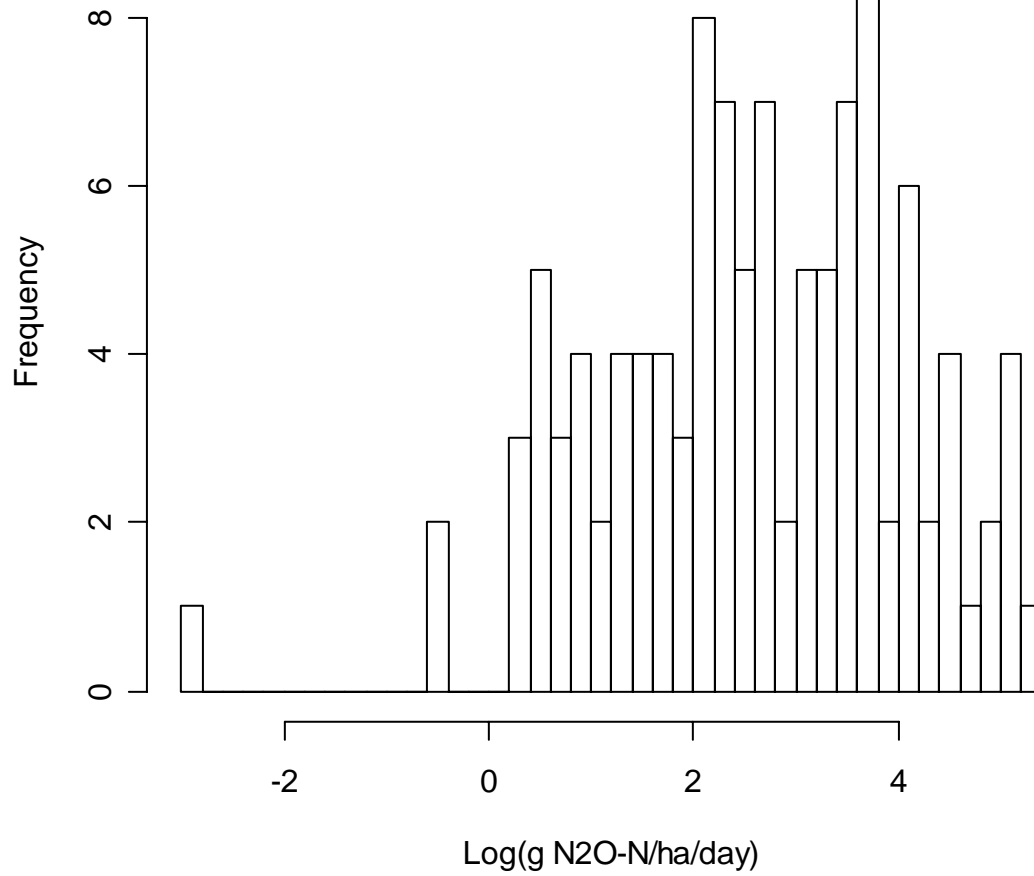
Manure Average Daily N₂O Emissions Histogram



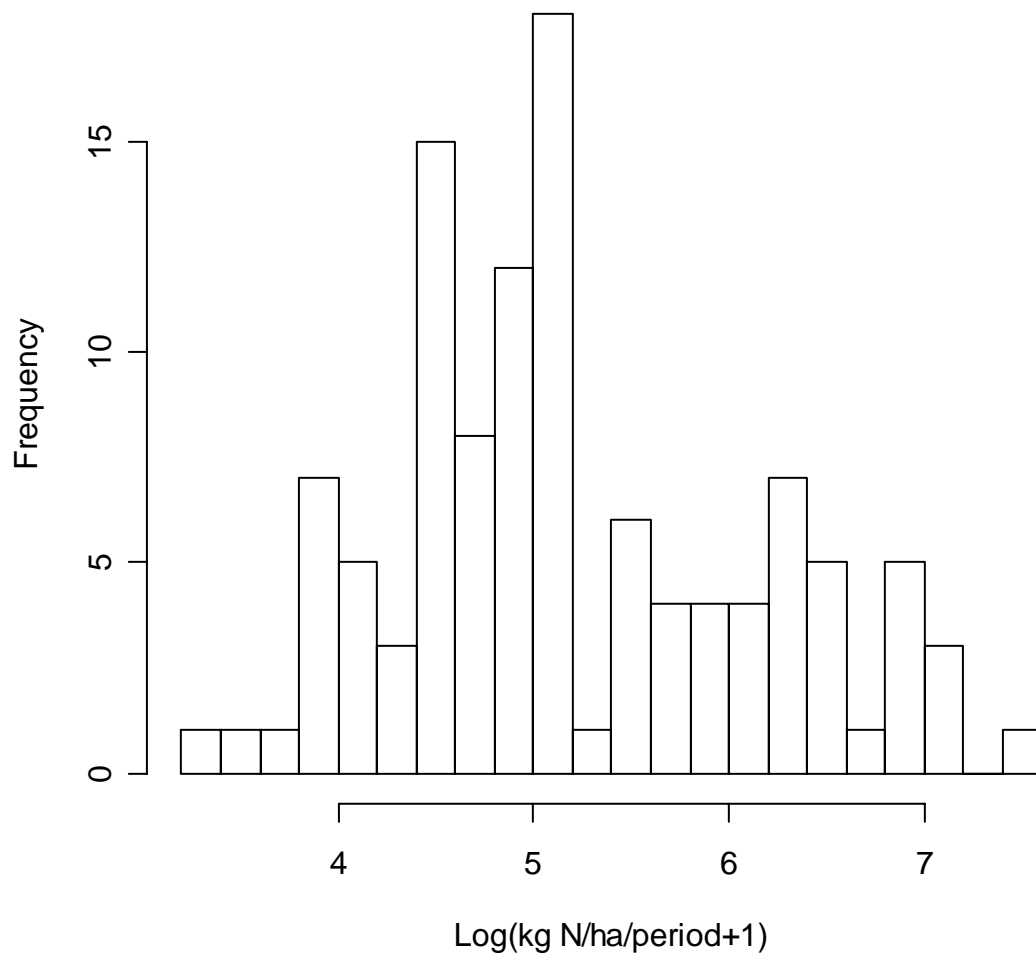
Manure Nitrogen Input Histogram



Log(Manure Average Daily Emissions) Histogram

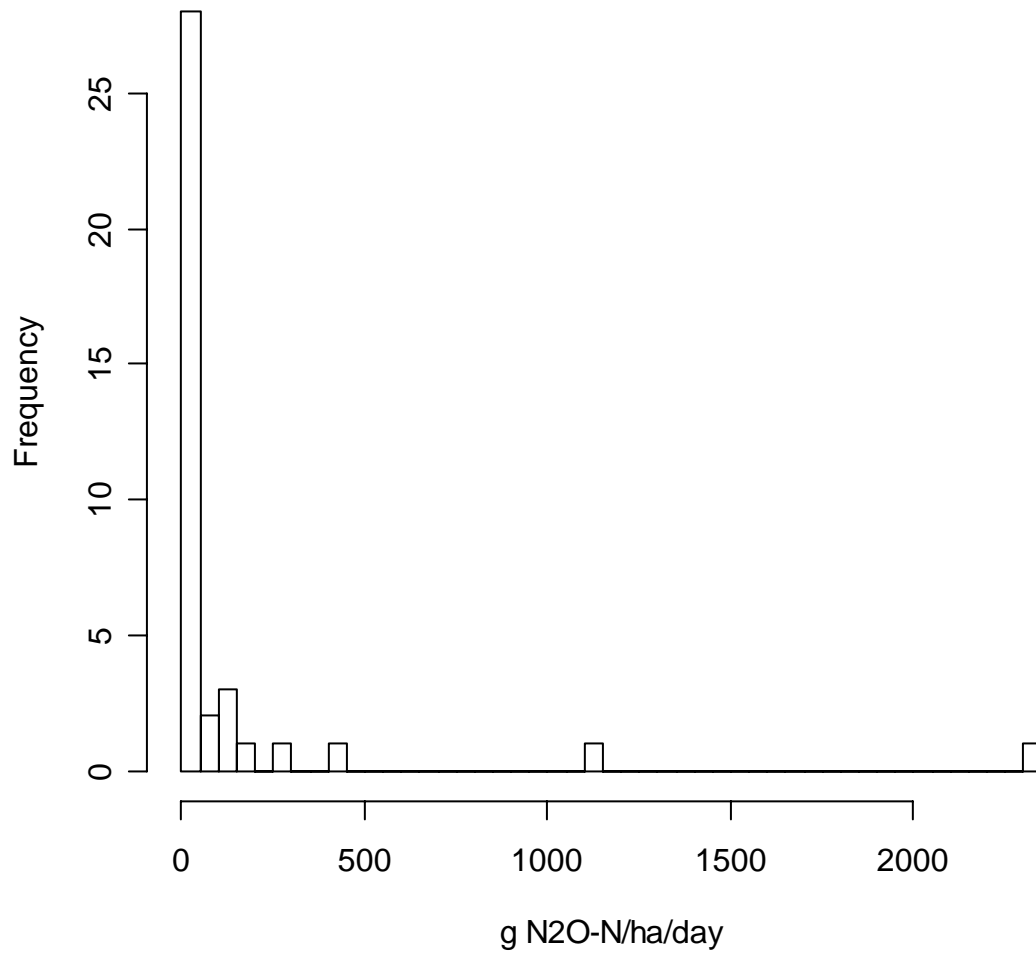


Log(Manure Input+1) Histogram

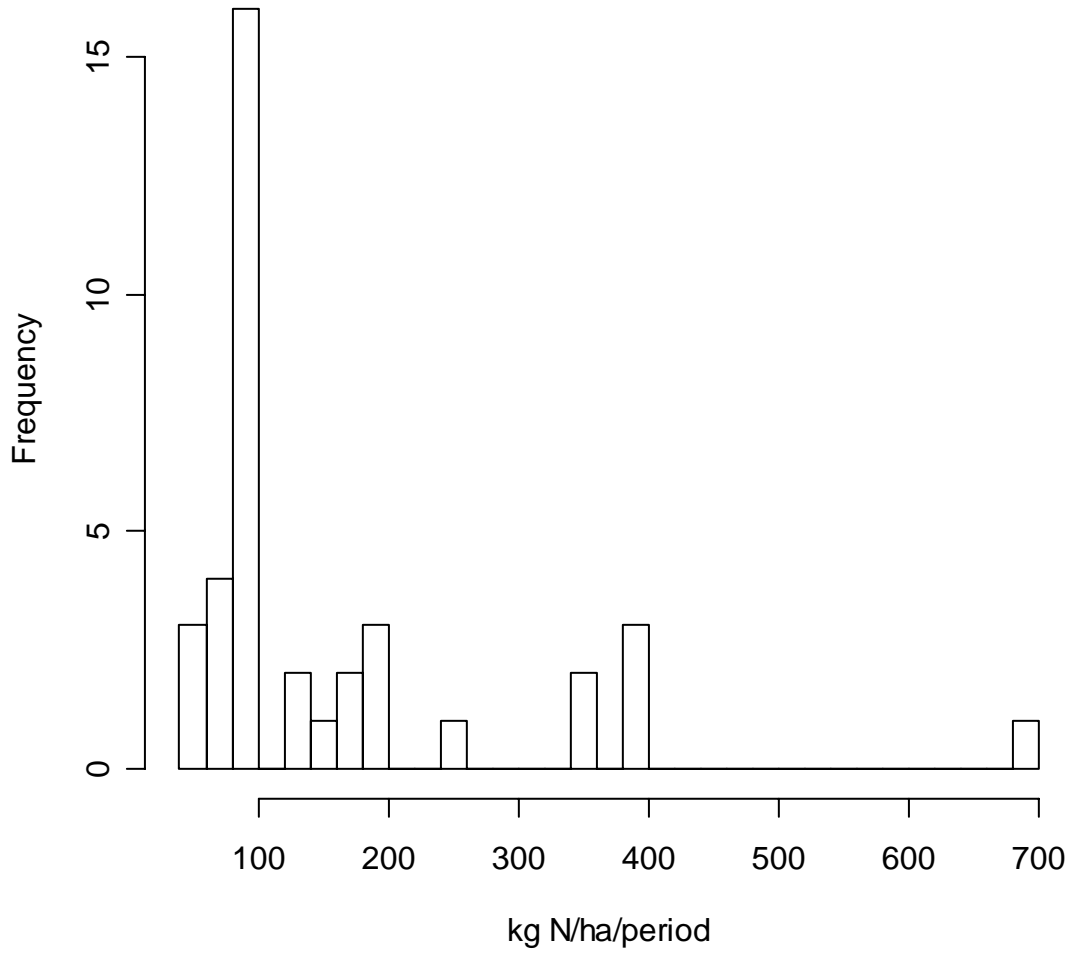


Nitrate

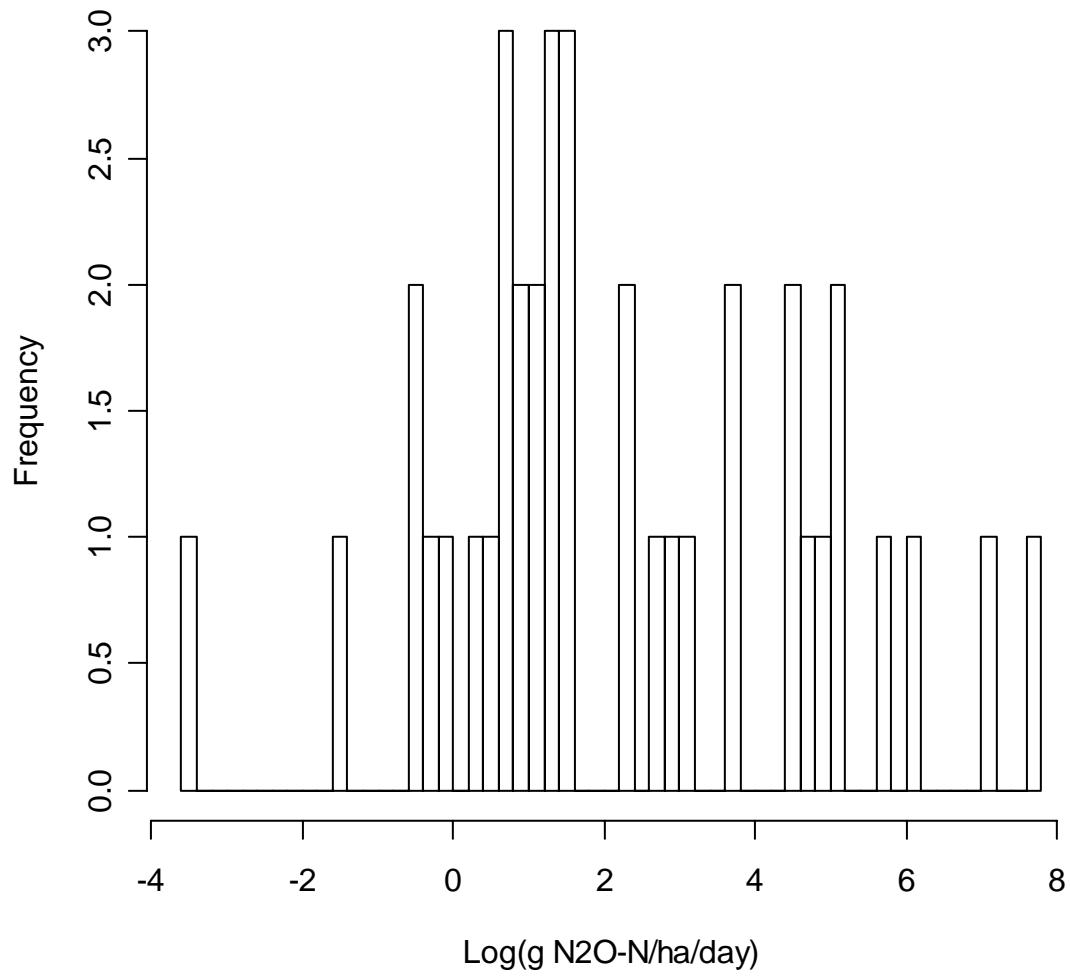
Nitrate Average Daily N₂O Emissions Histogram



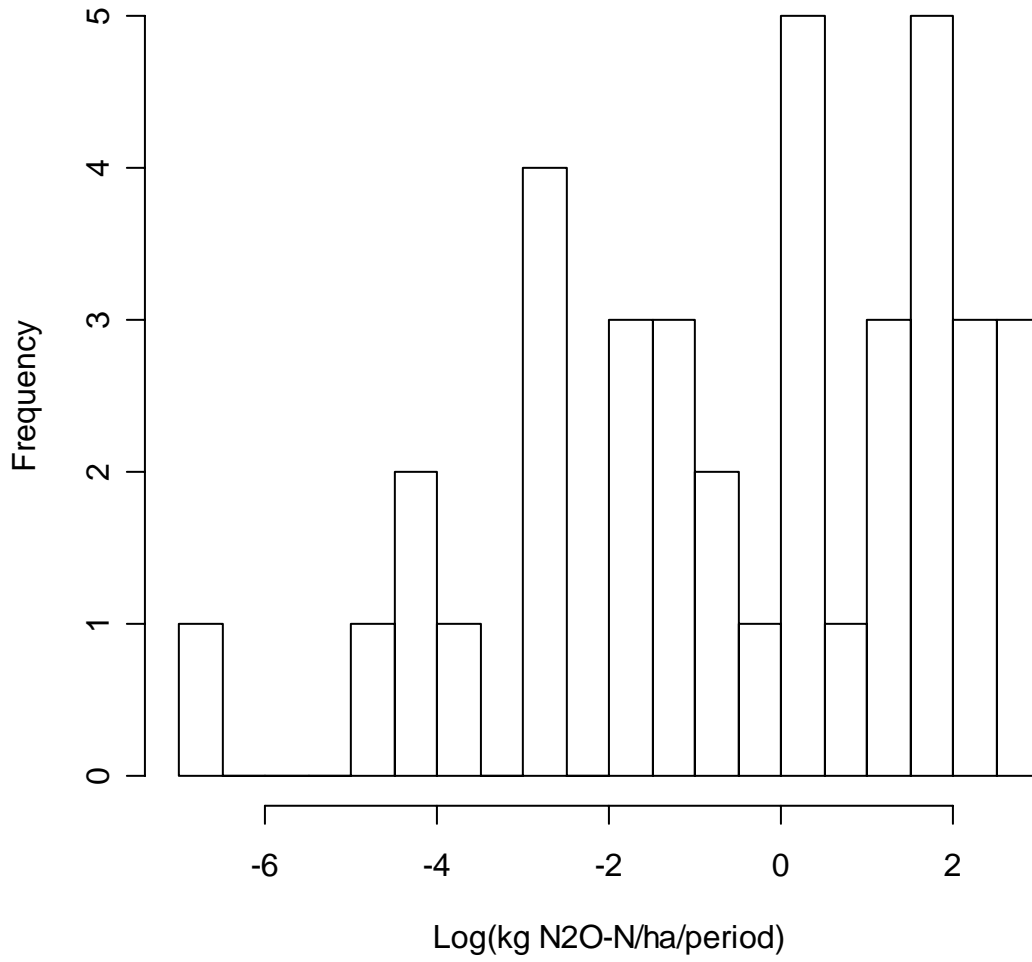
Nitrate Nitrogen Input Histogram



Log(Nitrate Average Daily Emissions) Histogram

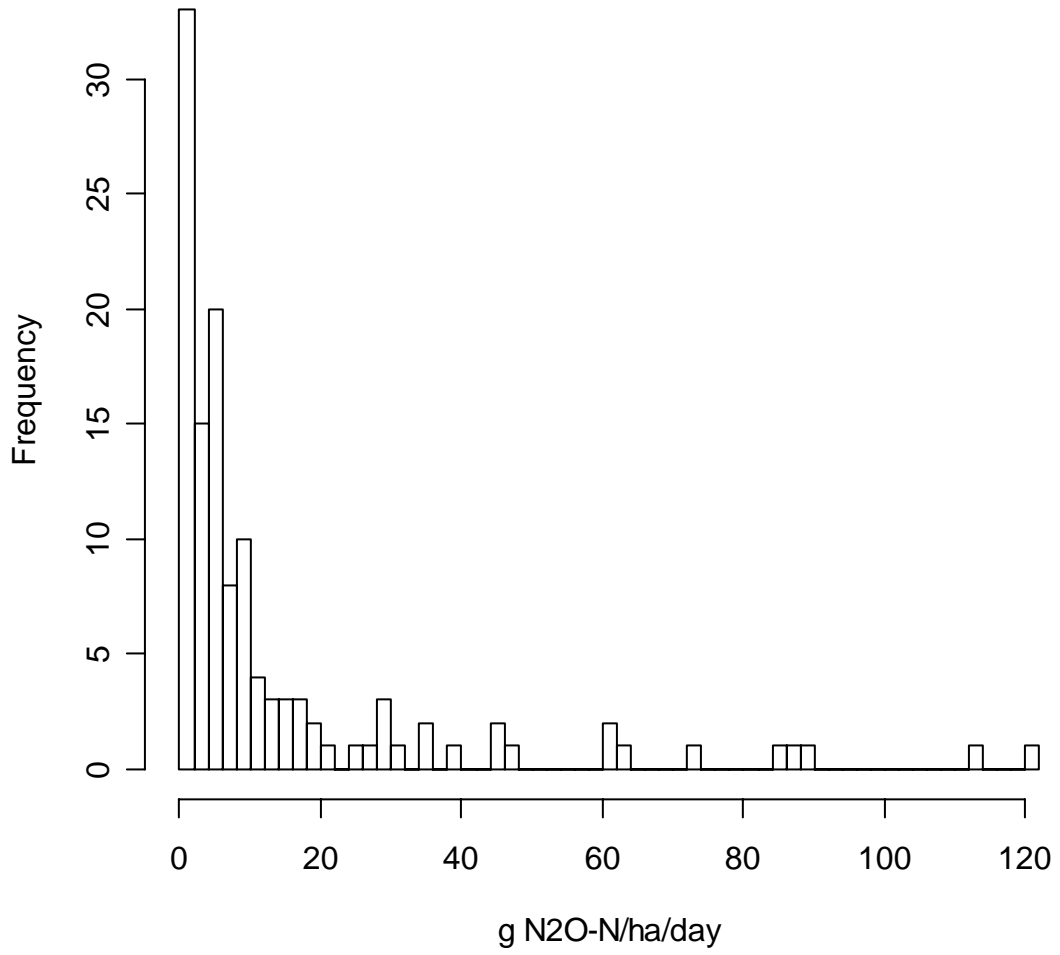


Nitrate Log(Total Emissions) Histogram

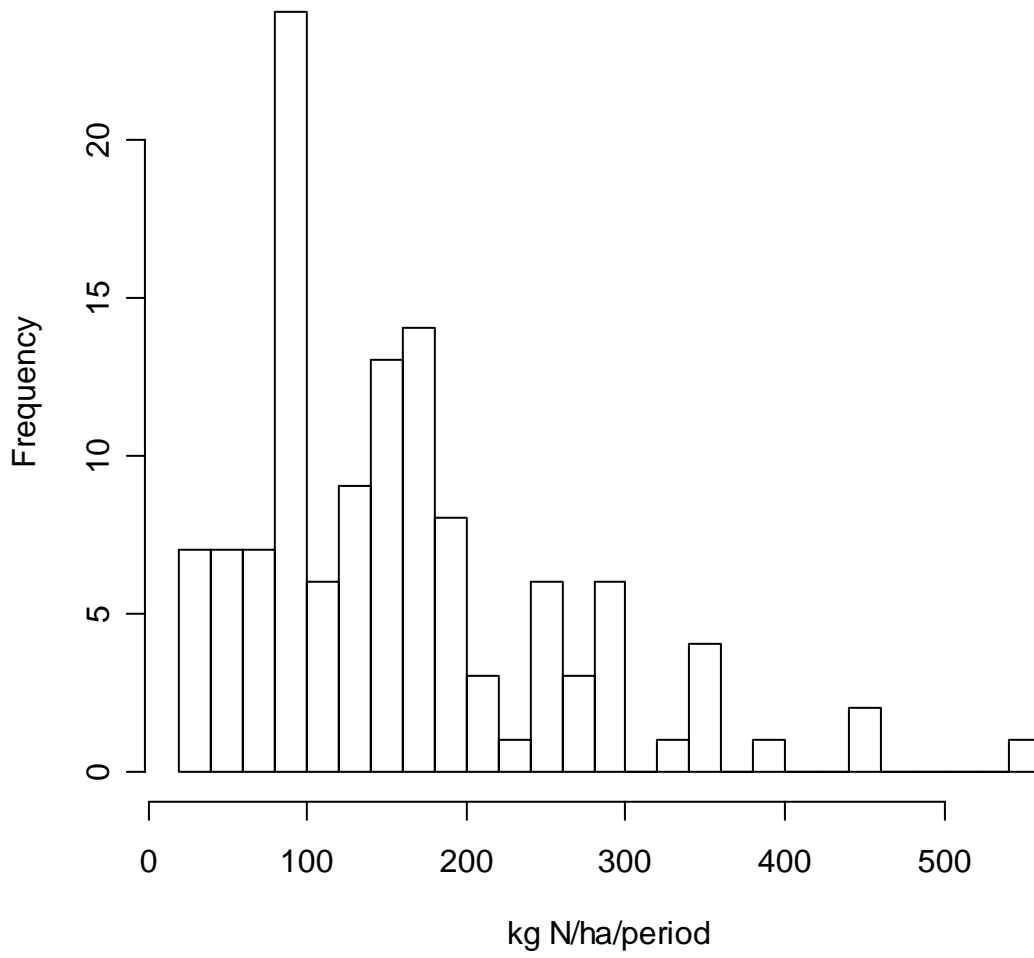


Urea

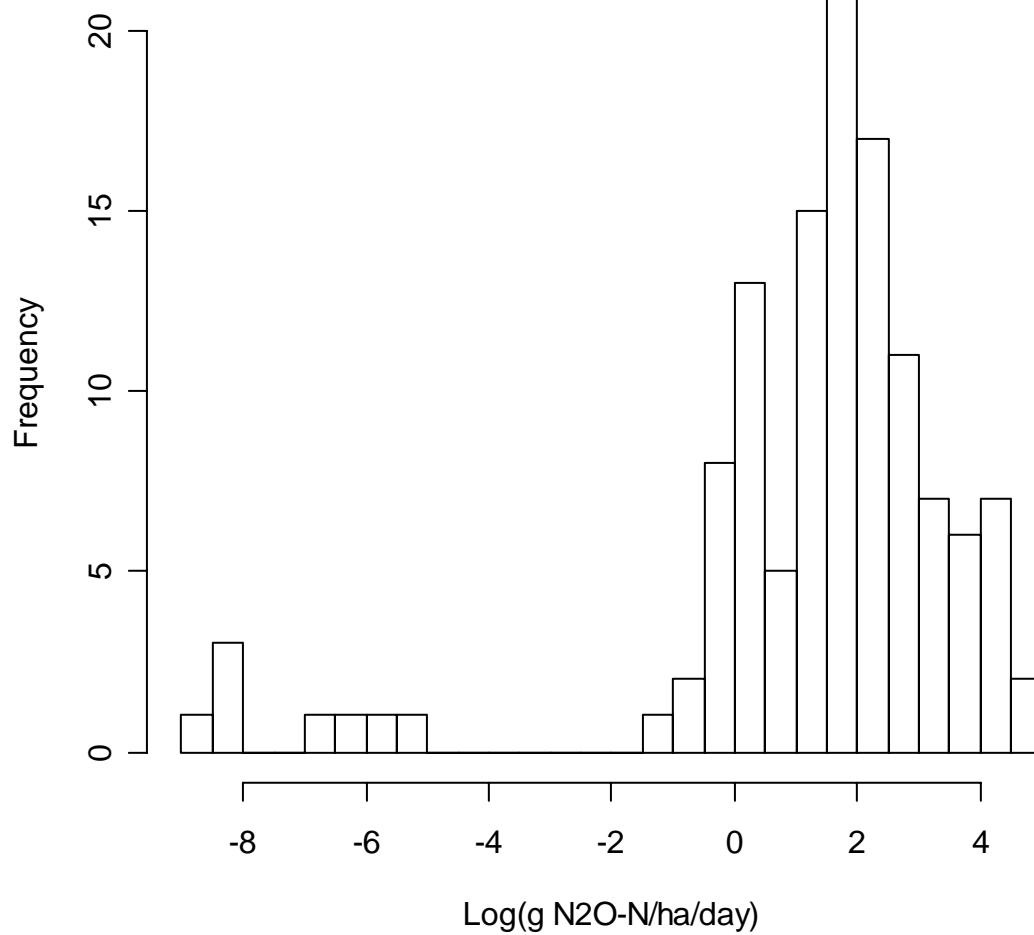
Urea Average Daily N₂O Emissions Histogram



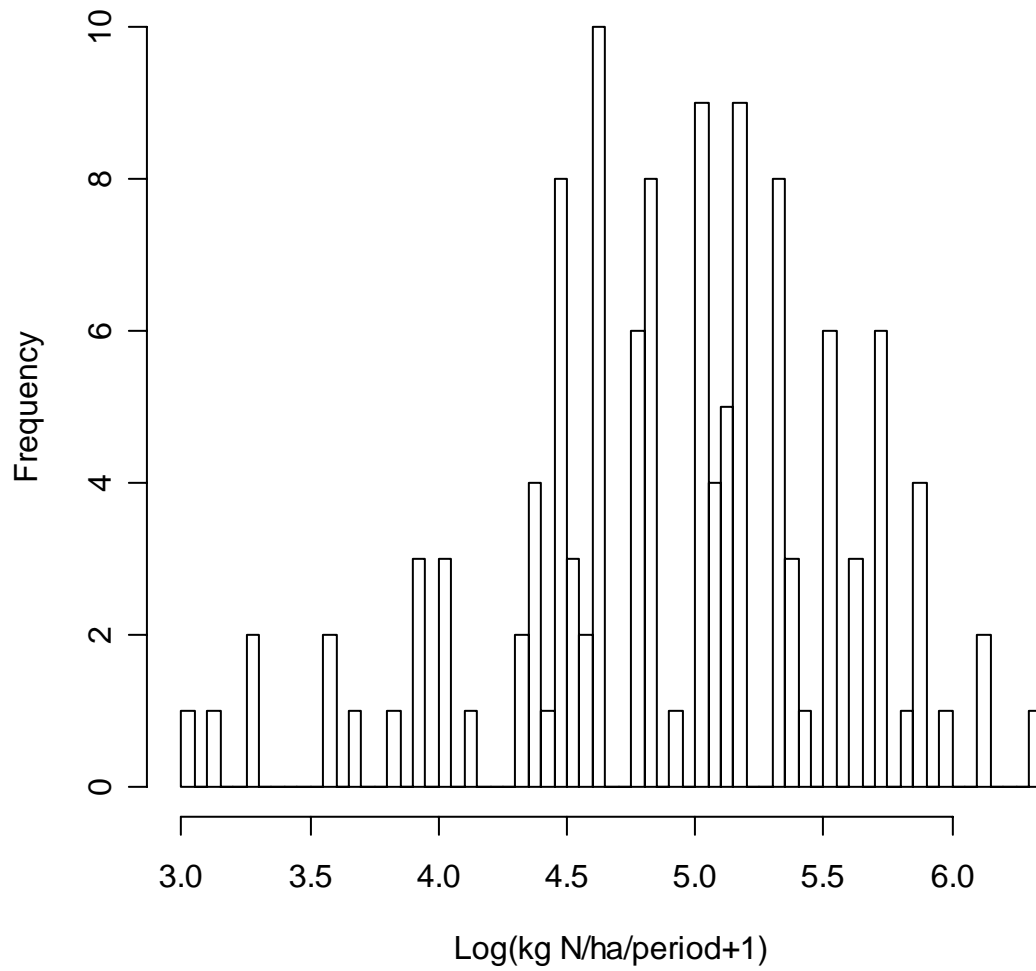
Urea Nitrogen Input Histogram



Urea Log(Average Daily Emissions) Histogram

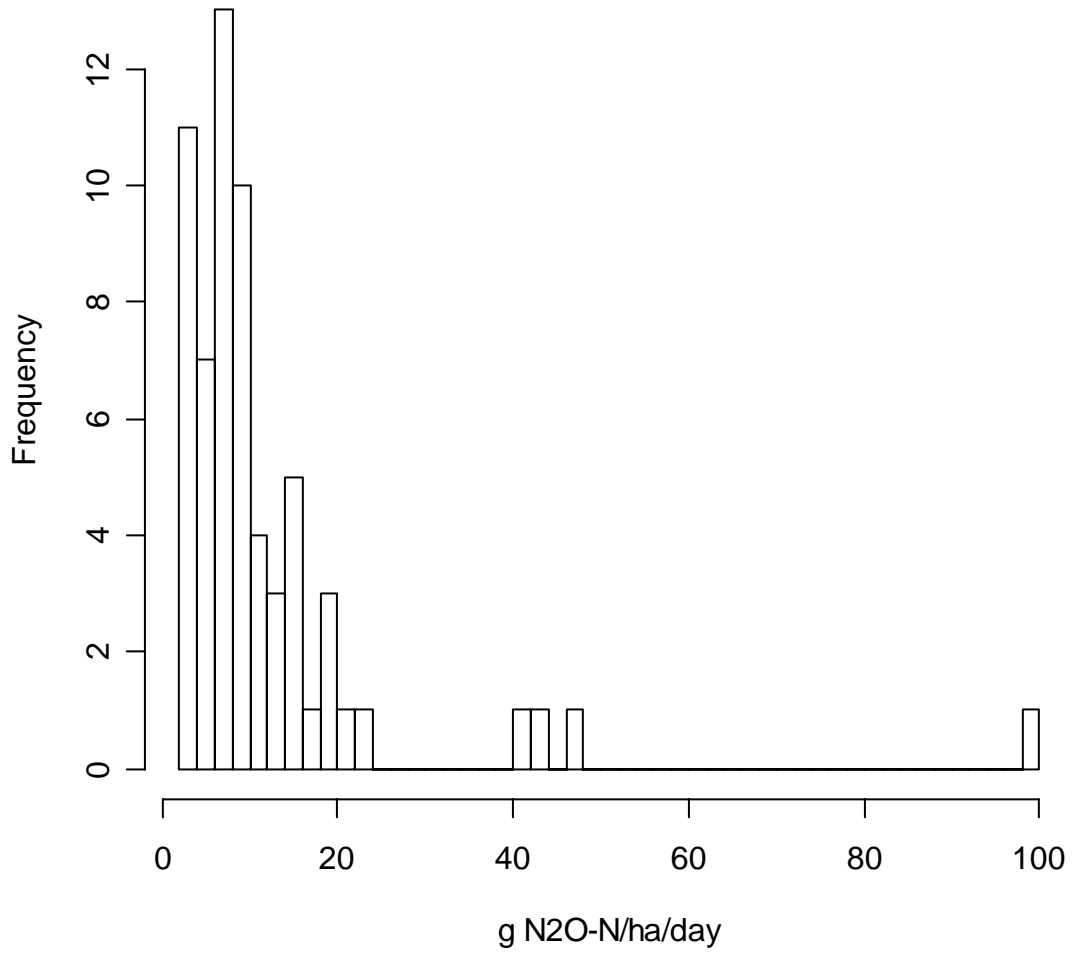


Histogram of Log(N Input+1)

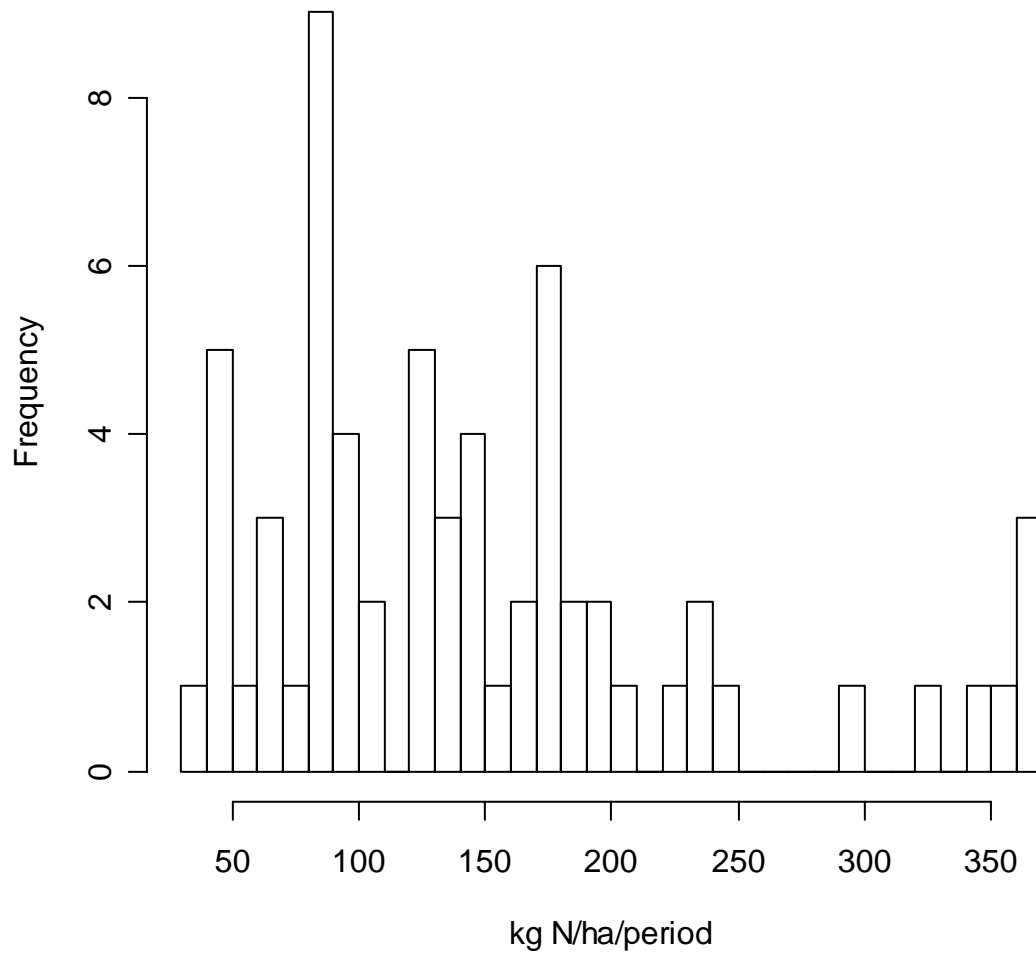


Urea – Ammonium Nitrate

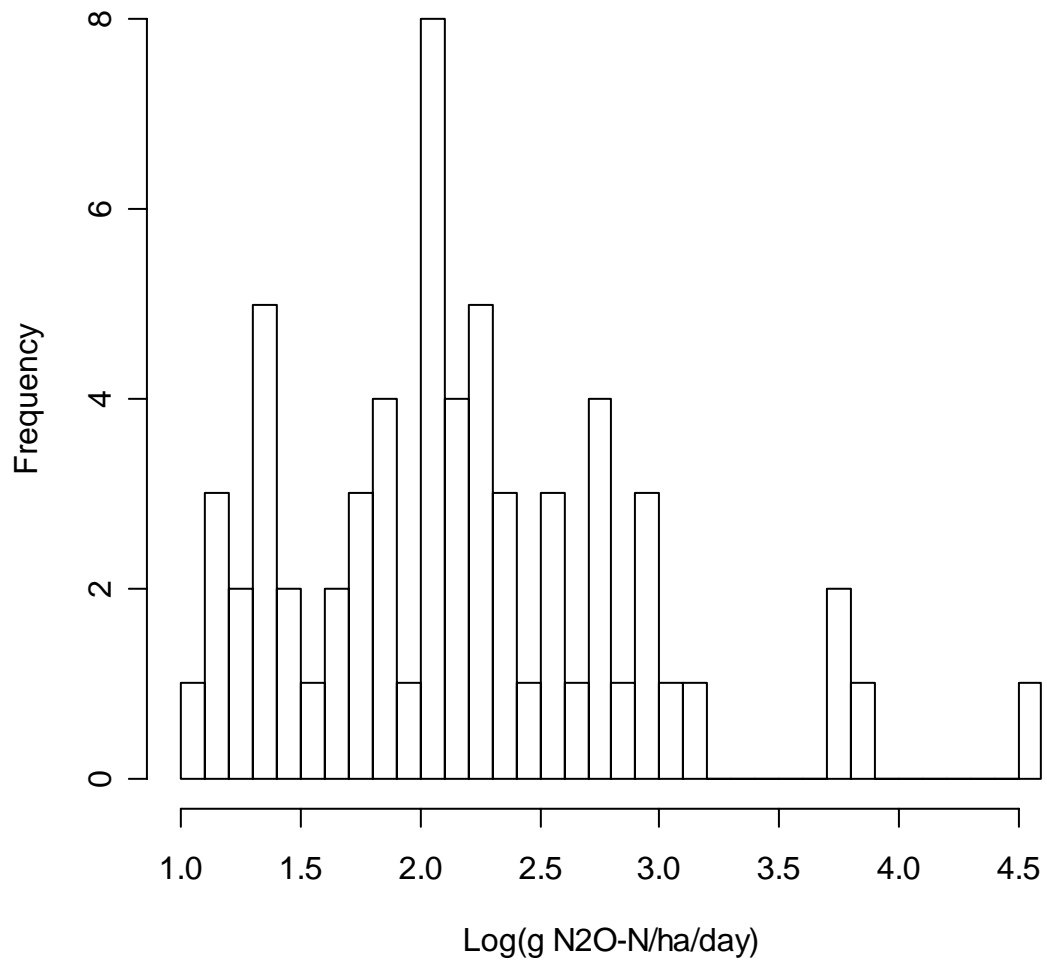
UAN Average Daily N₂O Emissions Histogram



UAN Nitrogen Input Histogram



Log(UAN Average Daily Emissions) Histogram



UAN Log(N Input+1) Histogram

