Scott Farm Data

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November 2, 2017

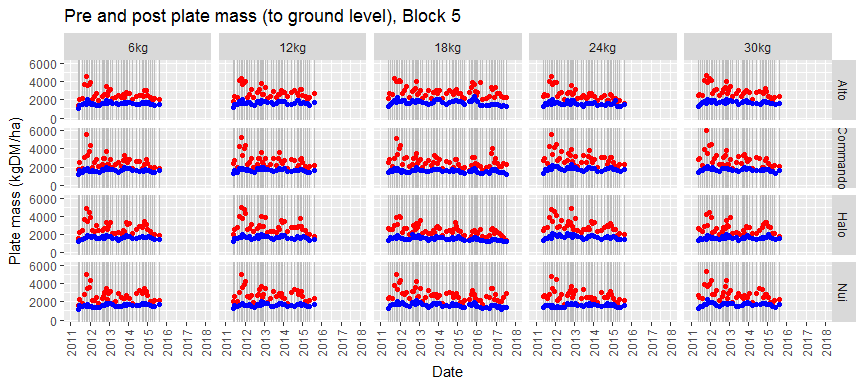
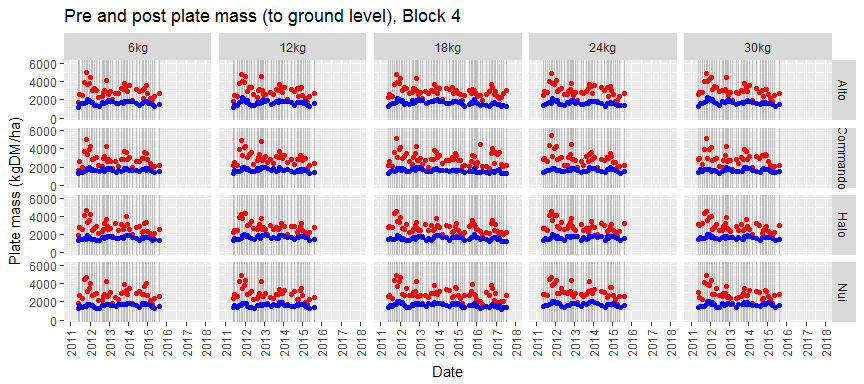
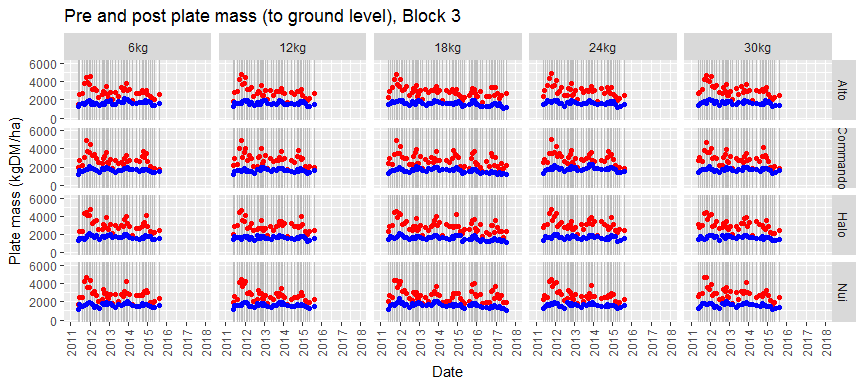
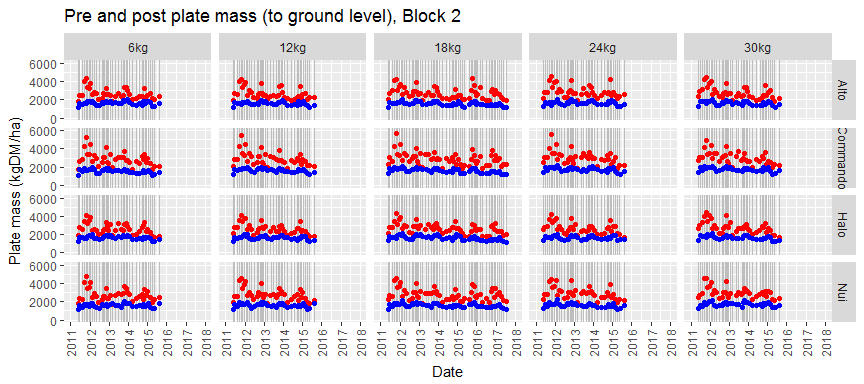
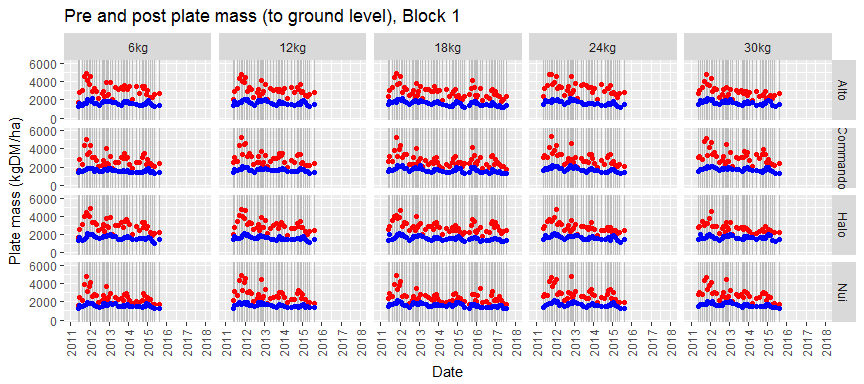
## Scott Farm Data

# file name  
file\_name <- 'FD1004 Data For Modelling.xlsx'  
  
# seed rates in order  
seed\_rate\_levels <- c('6kg', '12kg', '18kg', '24kg', '30kg')

## Rising Plate Meter

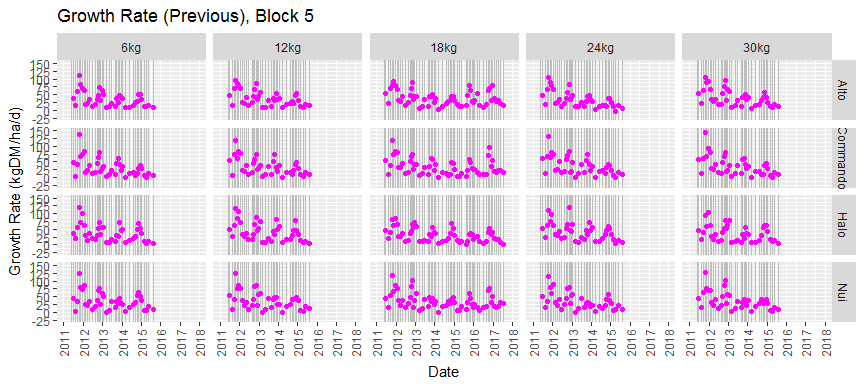
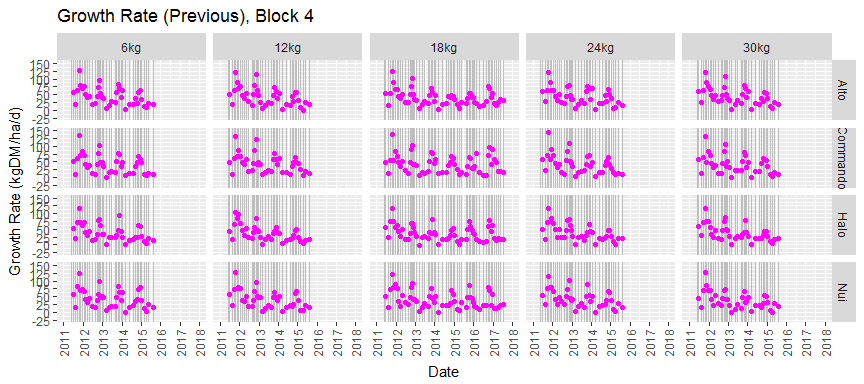
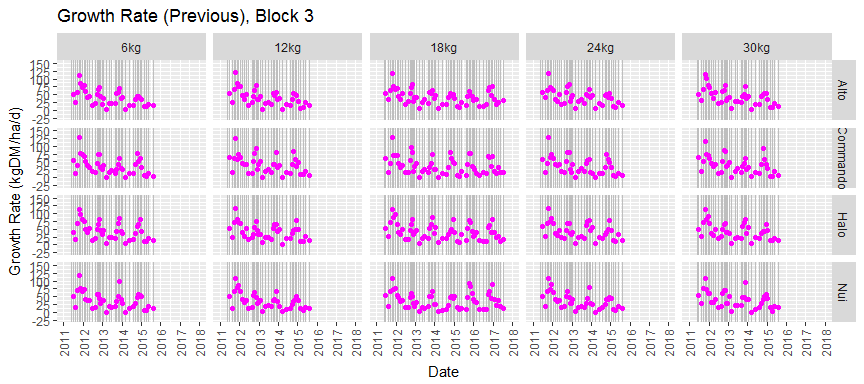
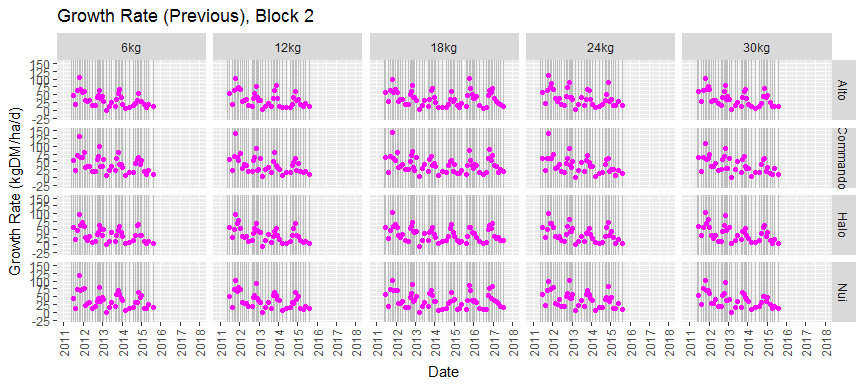
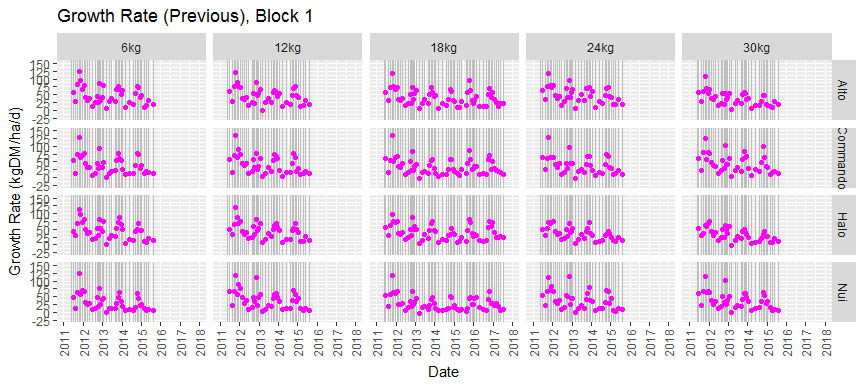
Average pre-graze mass = 2854

Average post-graze mass = 1651



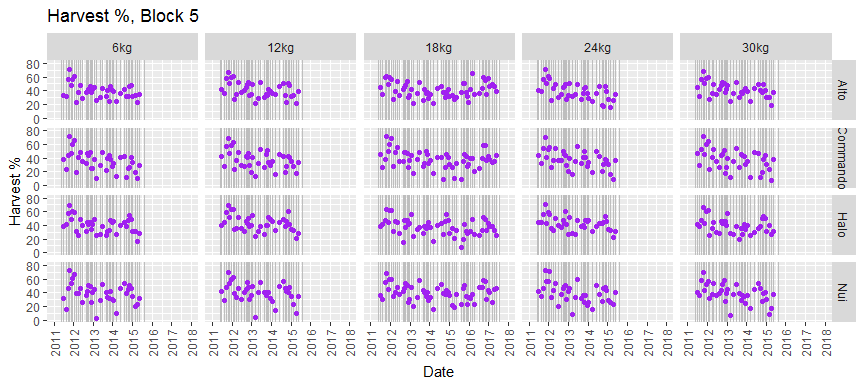
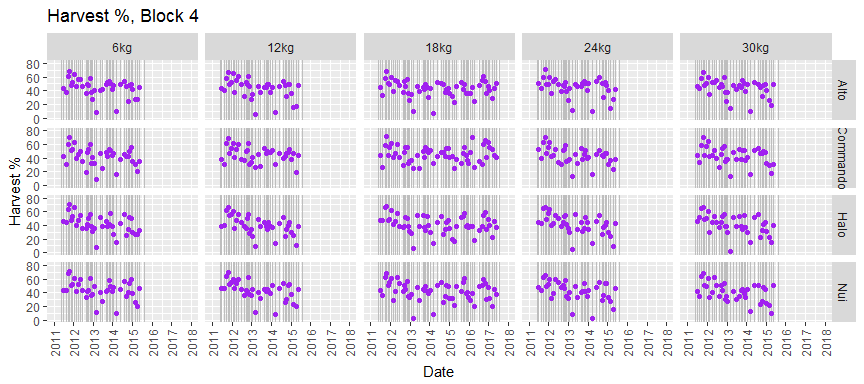
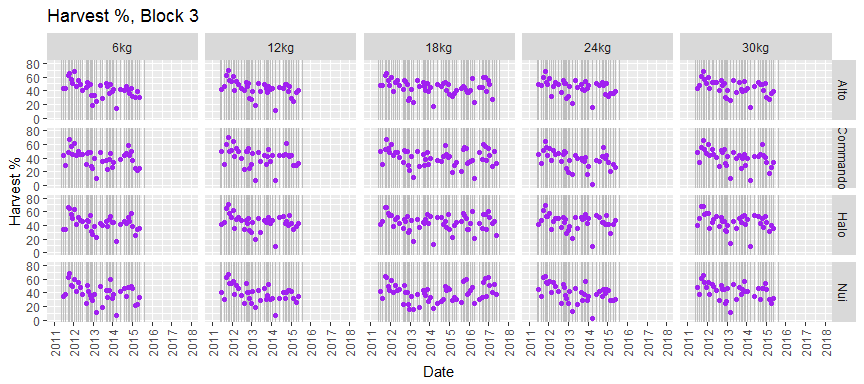
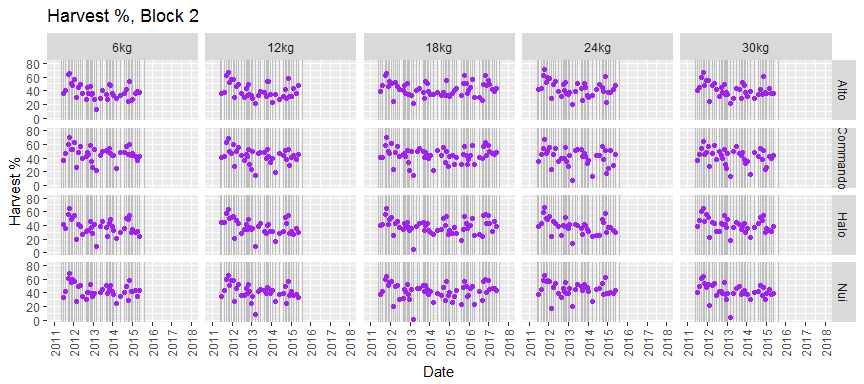
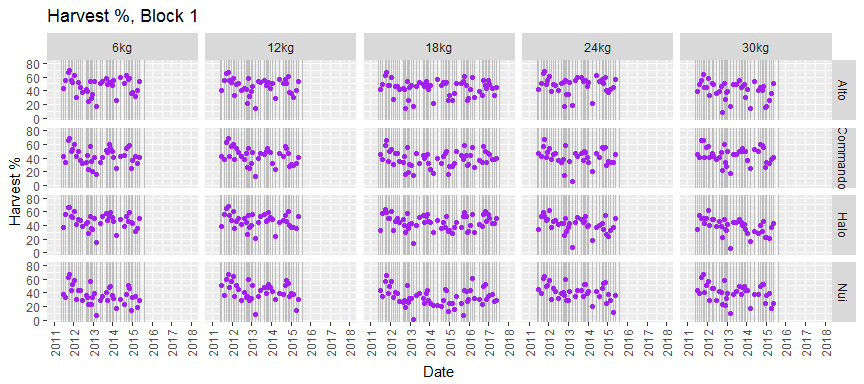
## Rising Plate Meter Growth Rate

Average pre-graze growth rate = 39



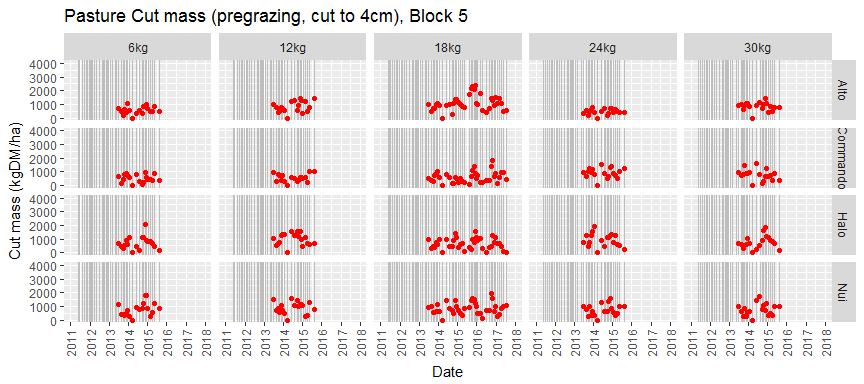
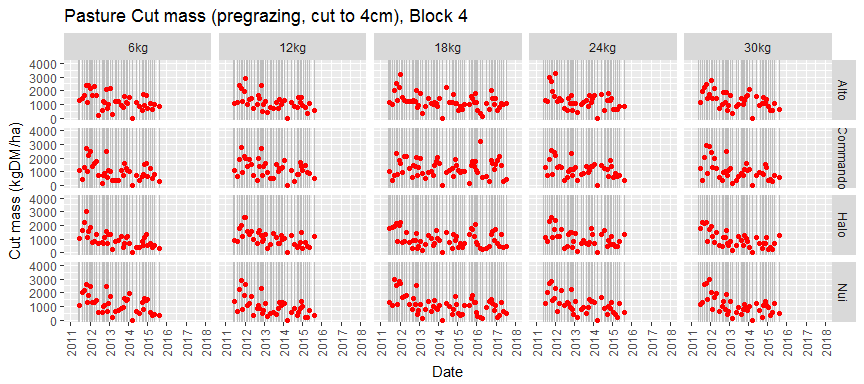
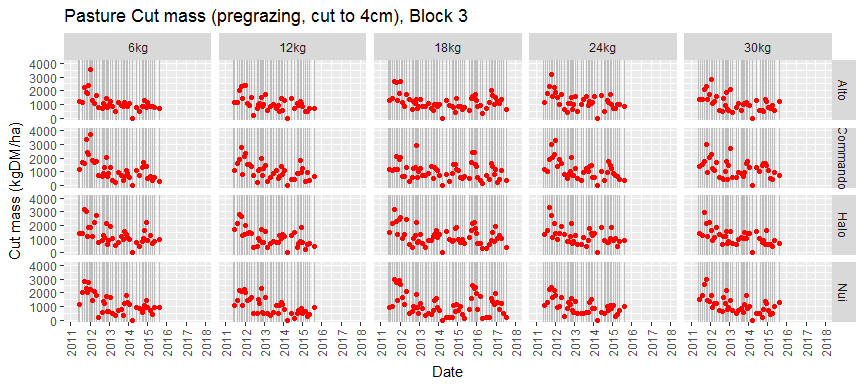
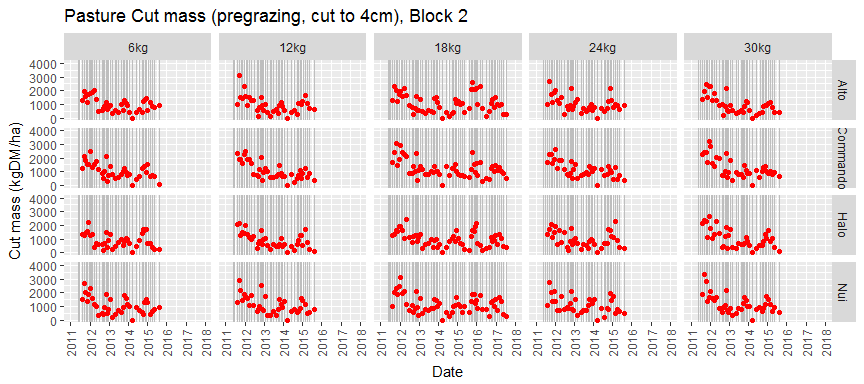
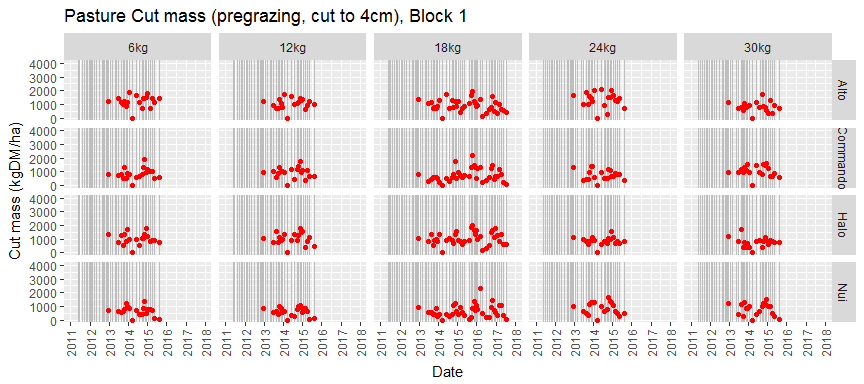
## Rising Plate Meter Harvest %

Average pre-graze growth rate = 42



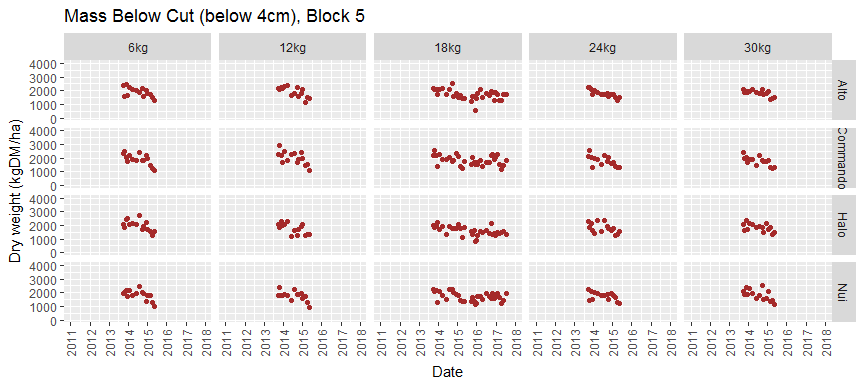
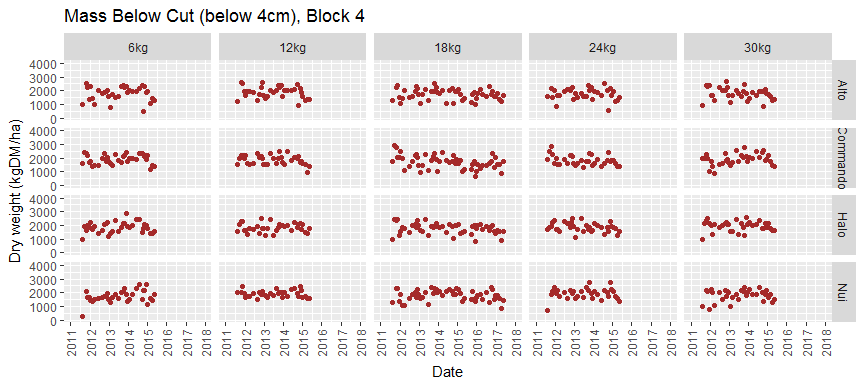
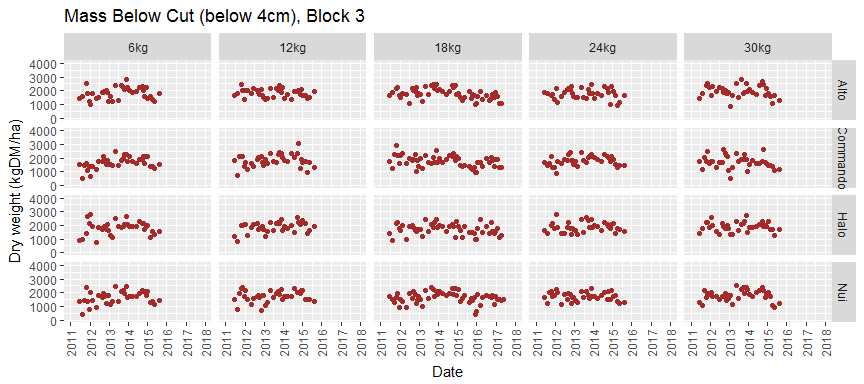
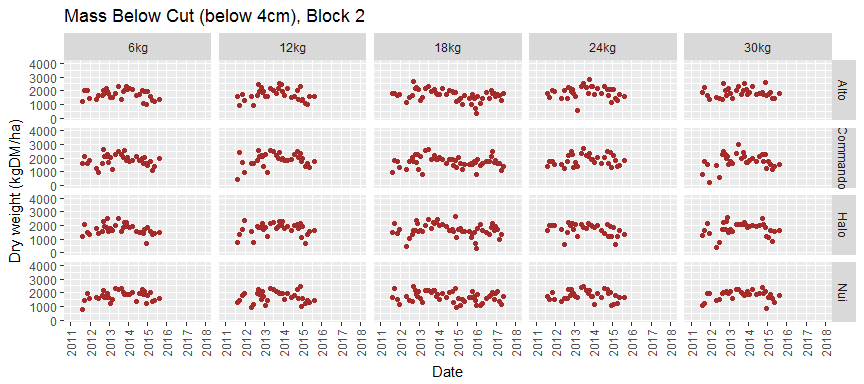
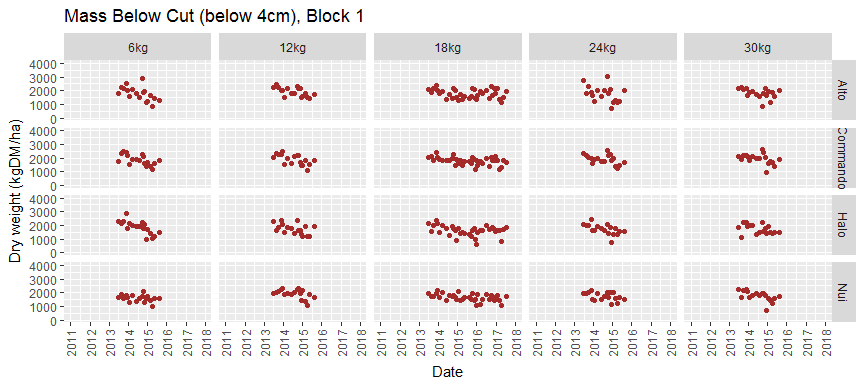
## Pasture Cut Mass

Average cut mass = 1030



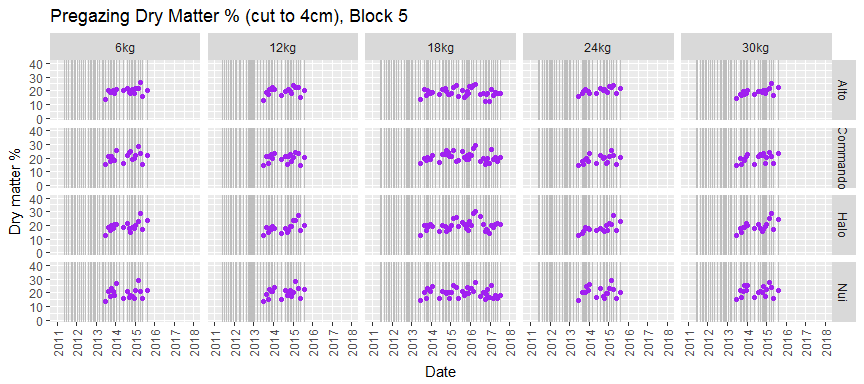
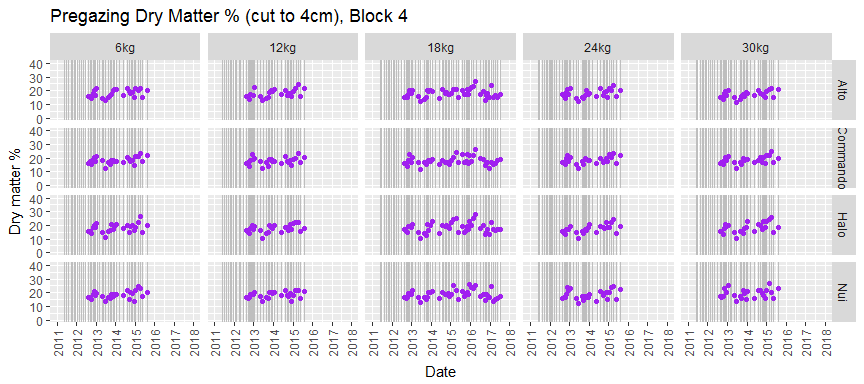
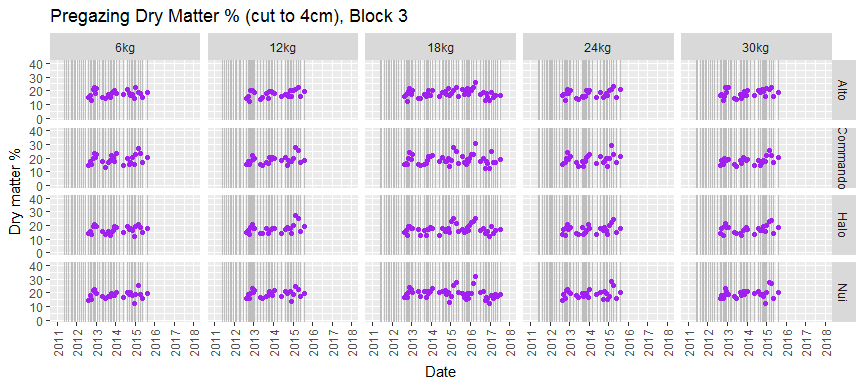
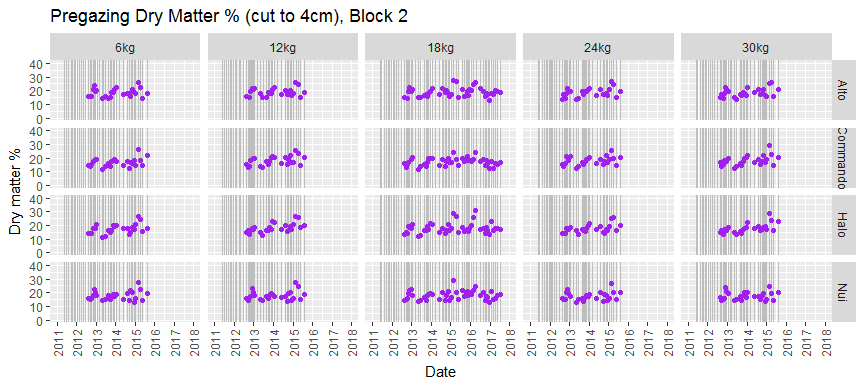
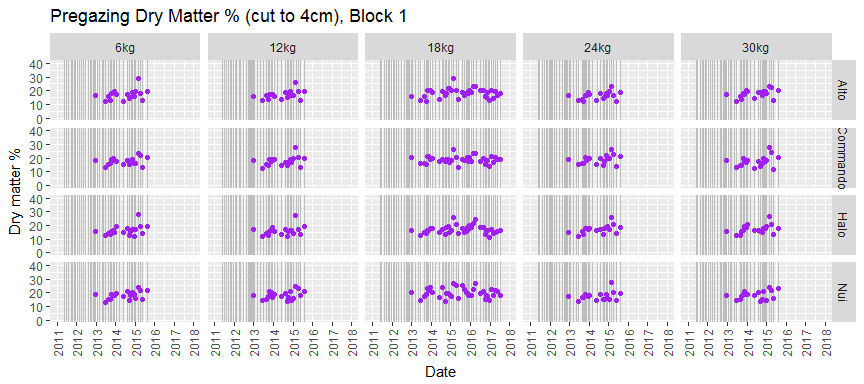
## Estimate Mass Below Cutting Height

Average mass below cutting estimate = 1781



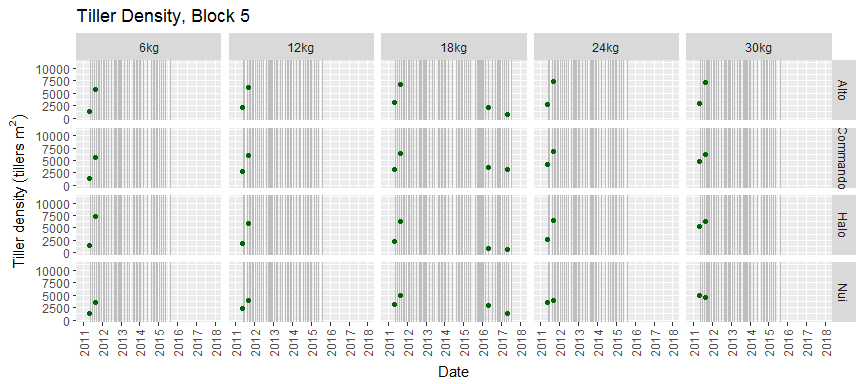
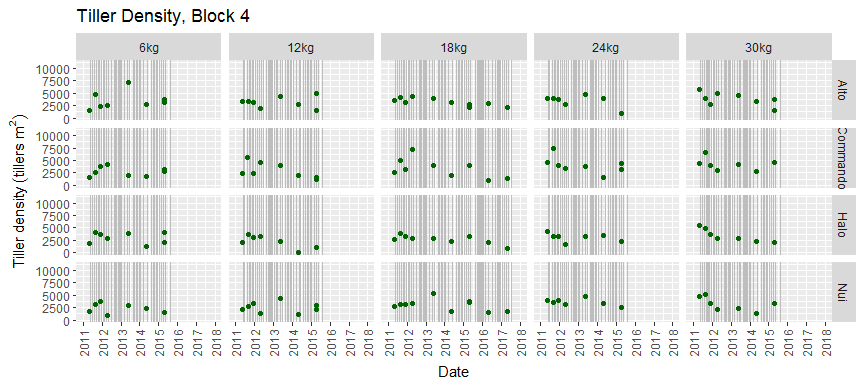
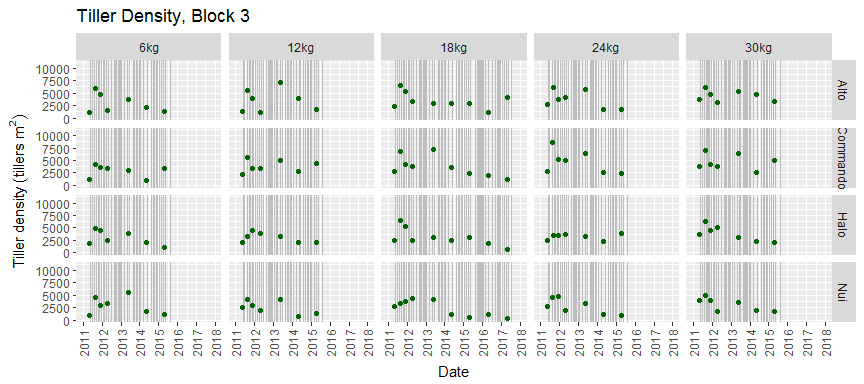
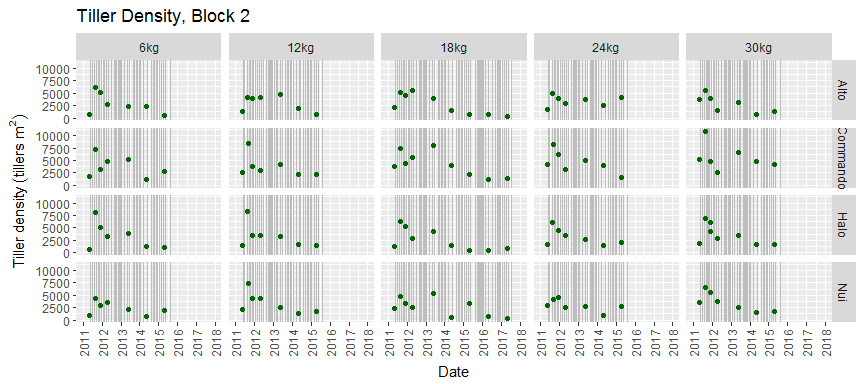
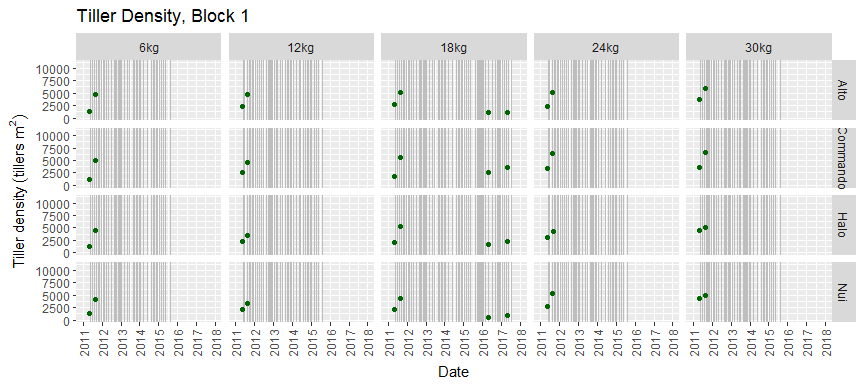
## Pasture Cuts DM%

Average cut DM% = 18

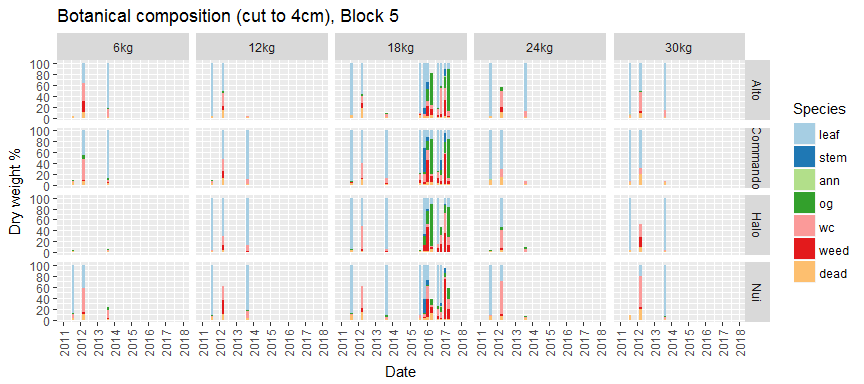
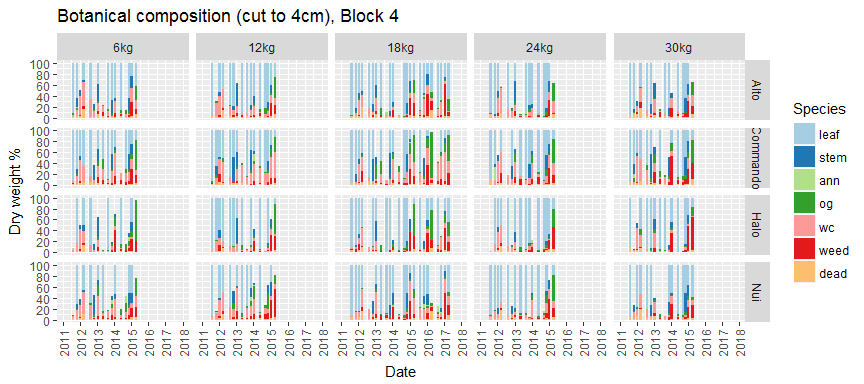
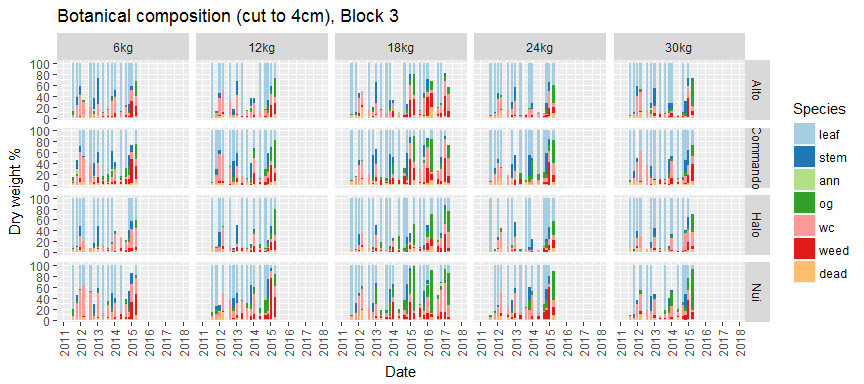
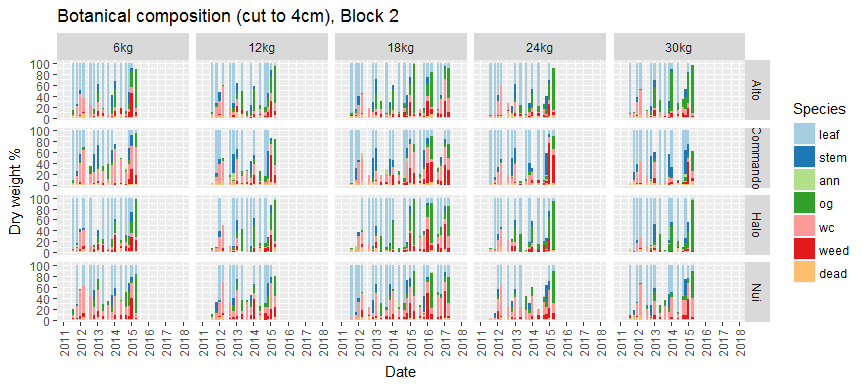
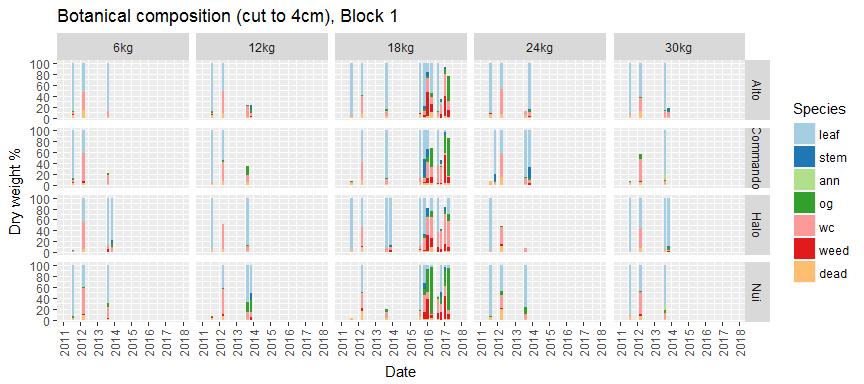


## Tiller Density

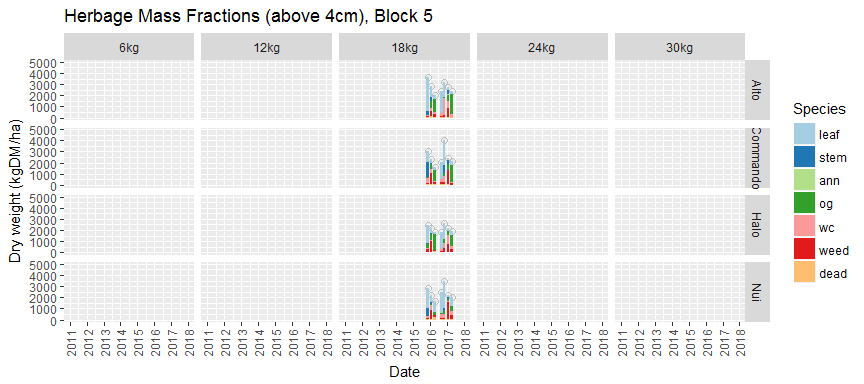
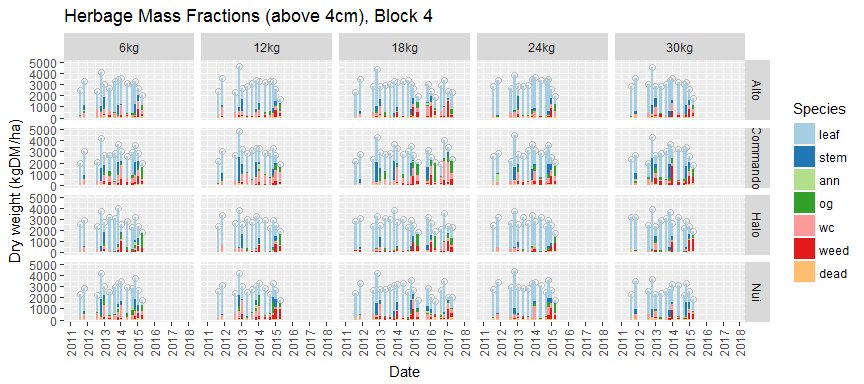
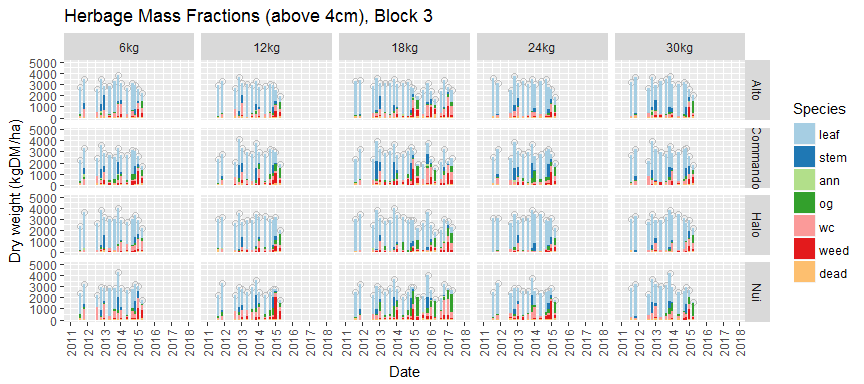
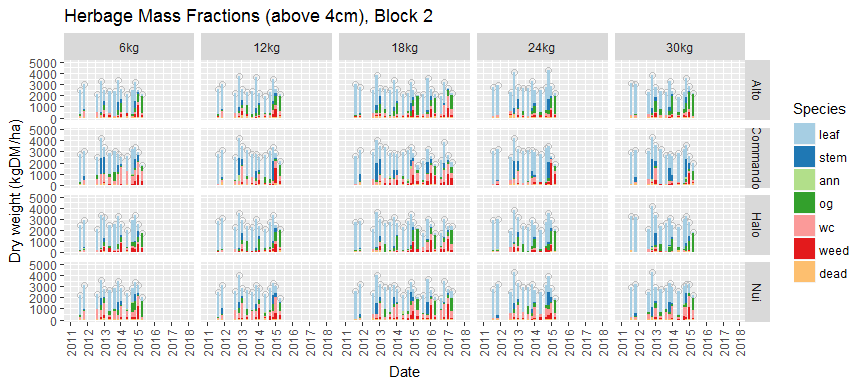
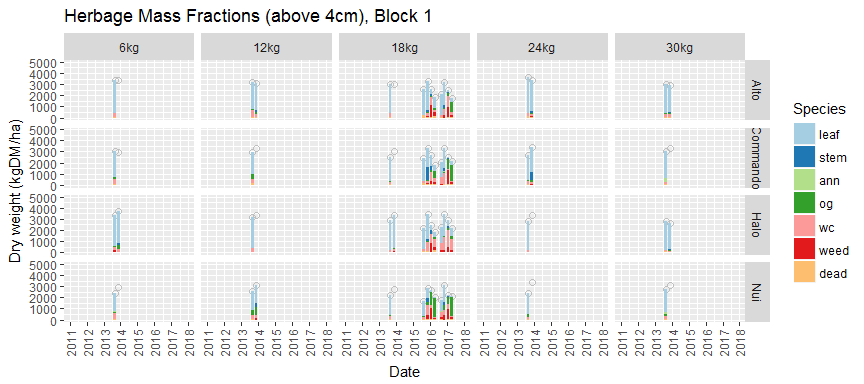
Average tiller density = 3364



## Botanical Composition

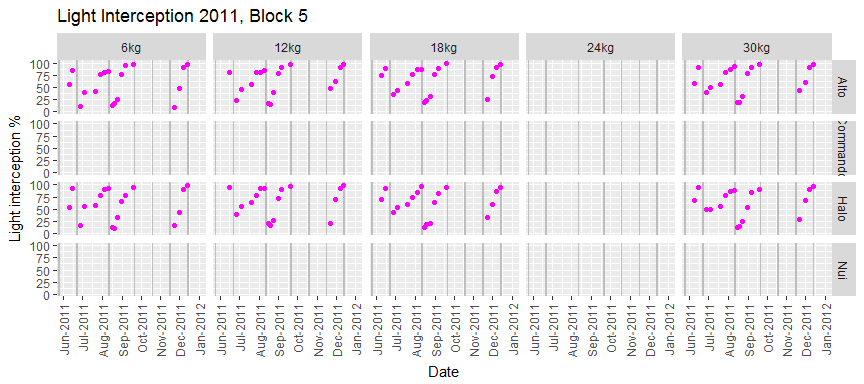
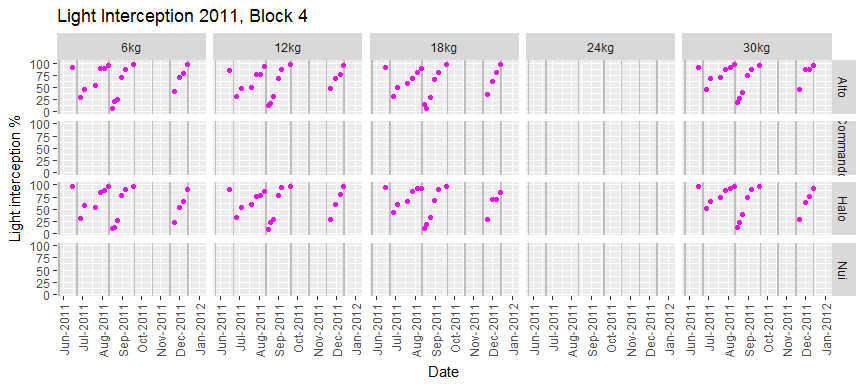
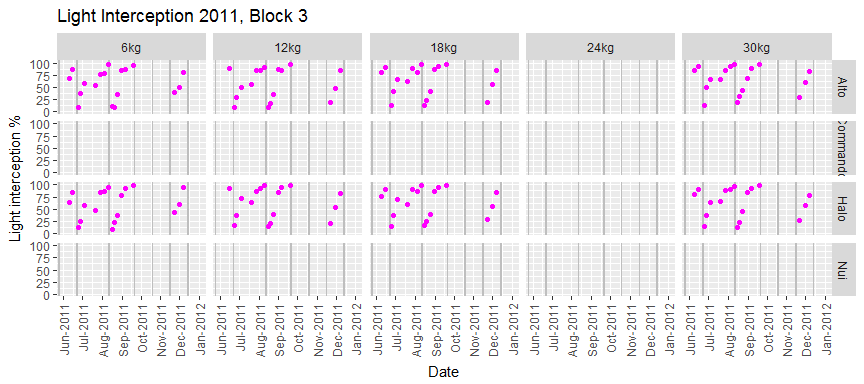
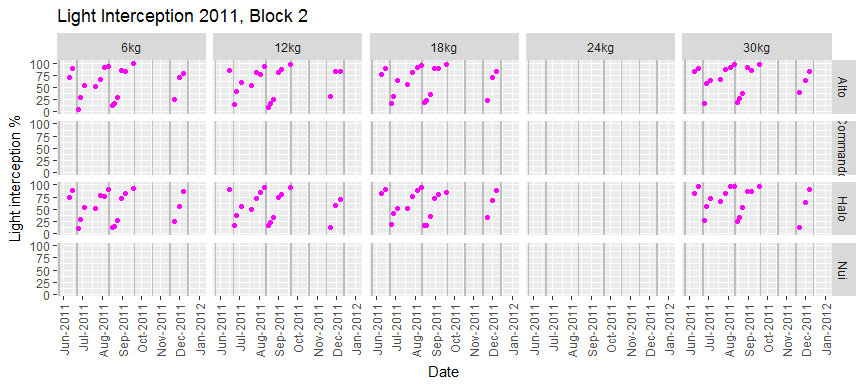
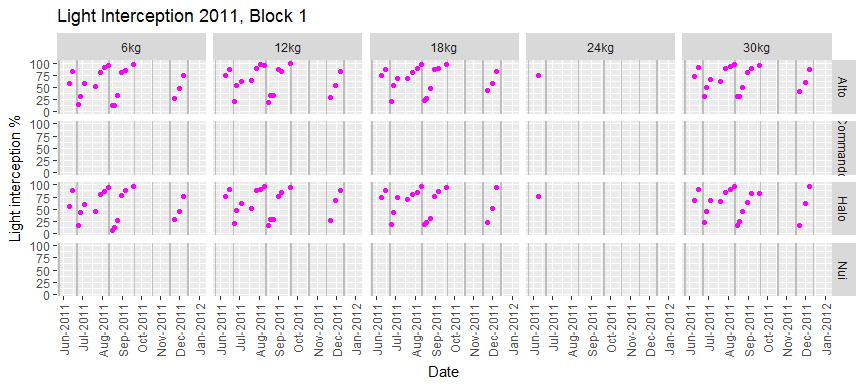


## Estimate Botancial Mass



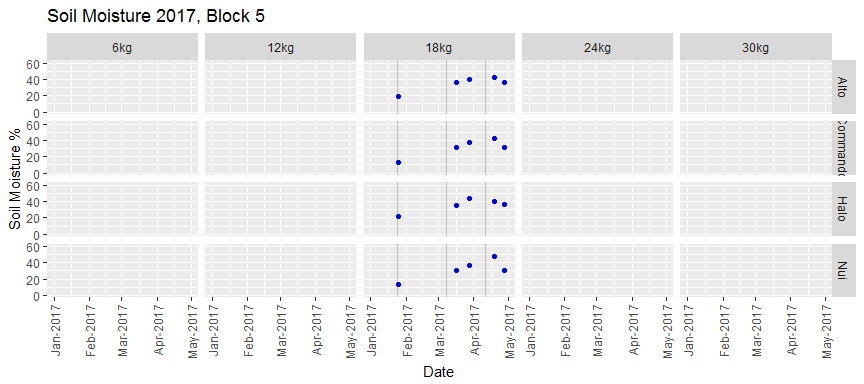
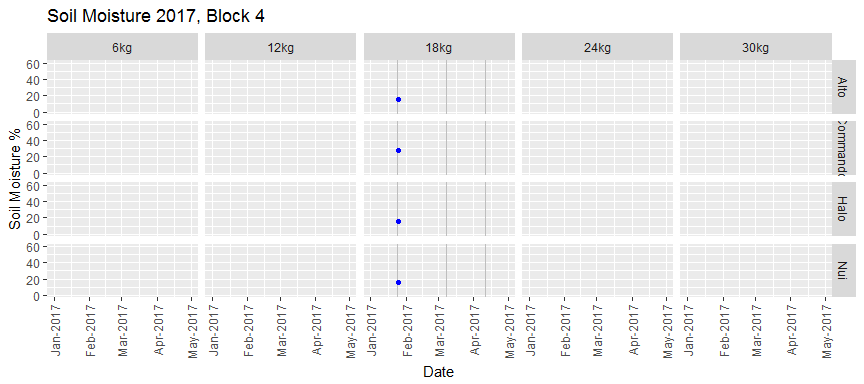
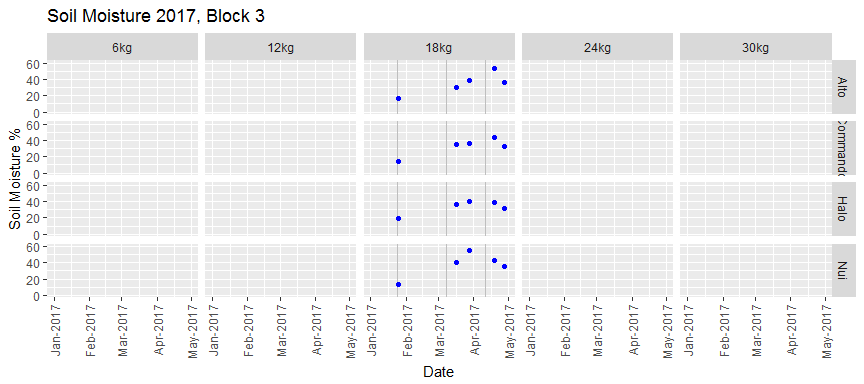
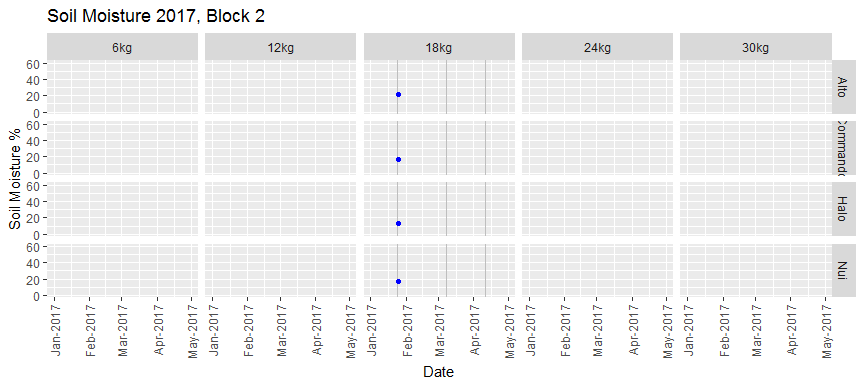
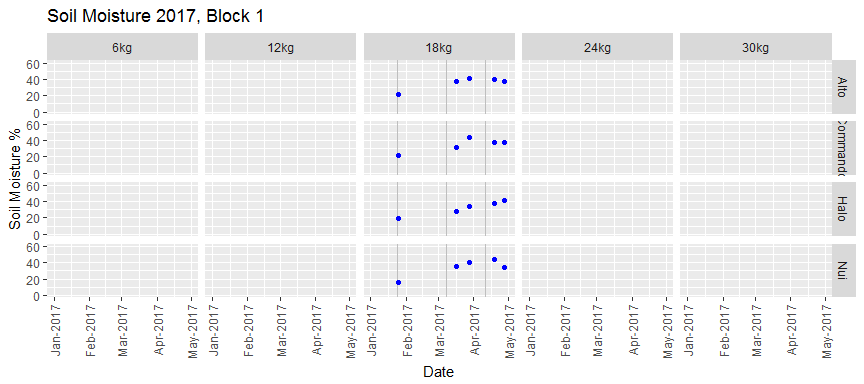
## Light Interception

Average light interception = 63



## Soil Moisture

Average soil moisture = 32



## Write Harvest Dates

# choose data  
acultivar <- 'Alto' # only Alto and Halo have light interception data  
aseed\_rate <- '18kg'  
ablock <- 3  
  
# file name  
file\_name <- "harvest\_Scott.txt"

## Write Calibration Data

# file name  
file\_name <- "data\_calibration\_Scott.txt"