**Caption for data, Leverkus & Cralwey 2020 Ecology**

The "data.Leverkus.Crawley.2020.txt" file contains the data from 1992 to 2013 of the Nash's Field split-plot experiment. To load the data into R, first set the working directory to the folder that contains the file and then type:

> data<-read.table("data.Leverkus.Crawley.2020.txt",header=T)

The file contains the following variables:

* year: the year of sampling (1992 through 2013 with some exceptions). See for which years there are data:

> levels(factor(data$year))

[1] "1992" "1993" "1994" "1995" "1996" "1997" "1999" "2000" "2004" "2005" "2006" "2008" "2012" "2013"

* plot: factor with eight levels. These are the largest-scale plots, at which the insecticide and molluscicide treatments were implemented.
* insecticide: insecticide treatment with two levels (insects/ spray).
* molluscicide: molluscicide treatment with two levels (molluscs/ pellets).

> table(data$molluscicide,data$plot,data$insecticide)

, , = insects

k l m n p q r s

molluscs 1130 1130 0 0 0 0 0 0

pellets 0 0 0 1130 1130 0 0 0

, , = spray

k l m n p q r s

molluscs 0 0 1130 0 0 1130 0 0

pellets 0 0 0 0 0 0 1130 1130

* fencing: fencing treatment with two levels (fenced/ rabbits).
* lime: liming treatment with two levels (limed/ unlimed).
* herbicide: herbicide treatment with three levels (control, min.grass, min.herb).
* nutrient: nutrient treatment with twelve levels (all.nutr for N, P, K, and Mg combined; no.nutr for no nutrient addition; min.k for all nutrients added except K, and the same rationale applies to min.mg, min.n, min.p, and min.pk; plus.k for only K added, and the same rationale for plus.mg, plus.n, plus.p, and plus.pk).
* data.type: factor with two levels (biomass/ cover). This corresponds to the measurement performed in a given year. In 1992 through 2000 and 2013 the response variables are the biomass weights in grams of each species, harvested in 25 x 25 cm squares (to transform into metric tonnes per hectare, multiply by 0.08). In 2000 through 2012, the responses are visual estimates of percent cover in each 2 x 2 m plot (see Methods inthe paper). This factor is used to separate the data of 2000, the only year in in which both biomass and percent cover data were obtained.
* All the rest are species abundances, i.e., the response variables.

In some years, all the 1152 plots were sampled, and in other years a subset was made, leaving out one or more levels of one or more of the factors. The dataframe is constrained to the following treatment combinations:

* 1992: Fenced plots with either all or no nutrients added
* 1993: Herbicide control plots
* 1994: All nutrients, no nutrients, plus N, and minus N plots
* 1995: All nutrients and no nutrients plots
* 1996: All nutrients, no nutrients, plus N, and minus N plots
* 1997: All plots
* 1999: Herbicide control, unlimed plots, with all nutrient combinations except minus PK, plus PK, and plus Mg
* 2000 (biomass): All plots
* 2000 (cover): All plots
* 2004: Unlimed and either all nutrients, no nutrients, plus K, plus N, plus P, or plus PK plots
* 2005: All plots
* 2006: All plots
* 2008: All nutrients and no nutrients plots
* 2012: All plots
* 2013: Herbicide control plots with either all or no nutrients added