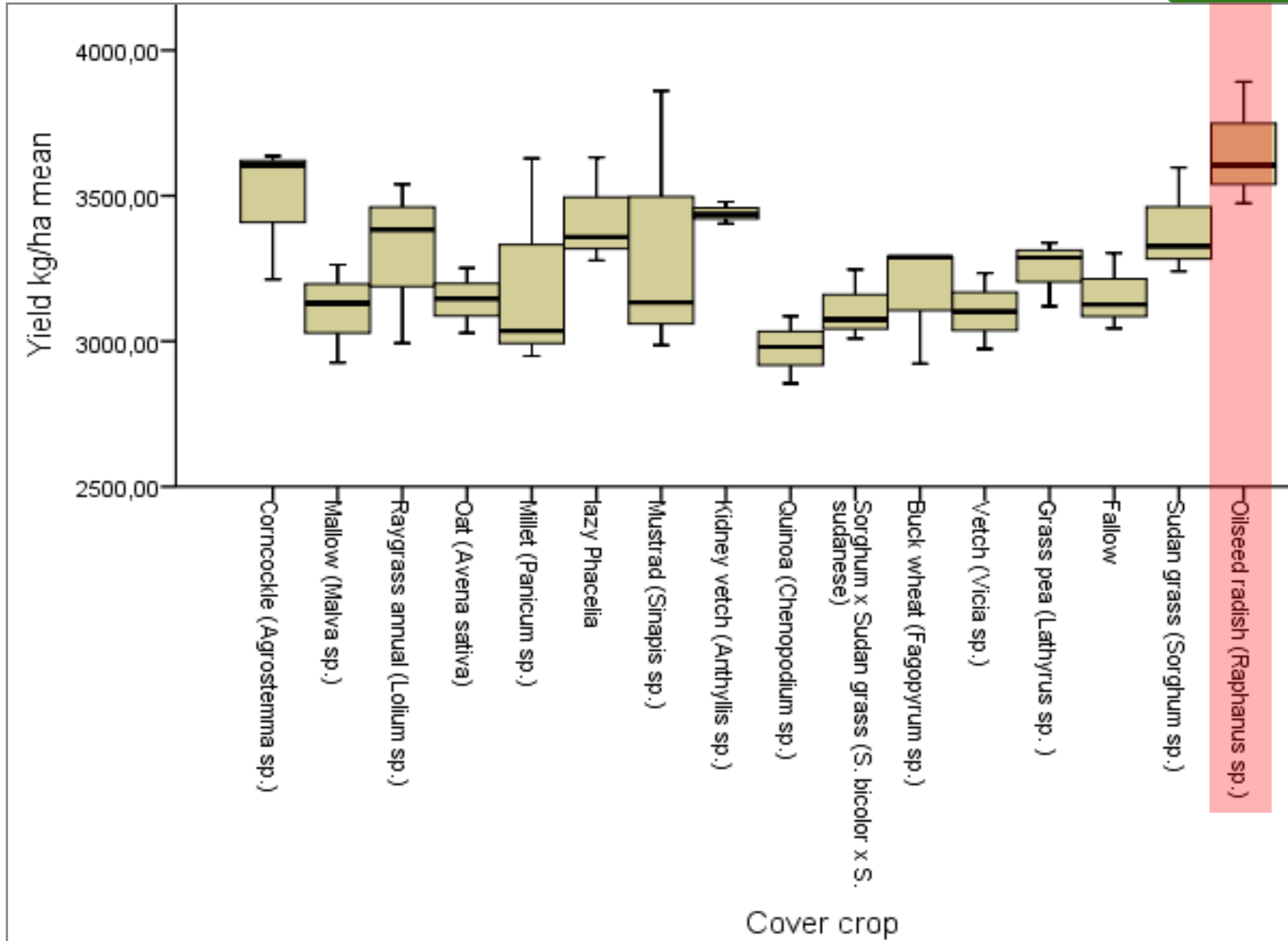


The influence of cover crops on soybeans

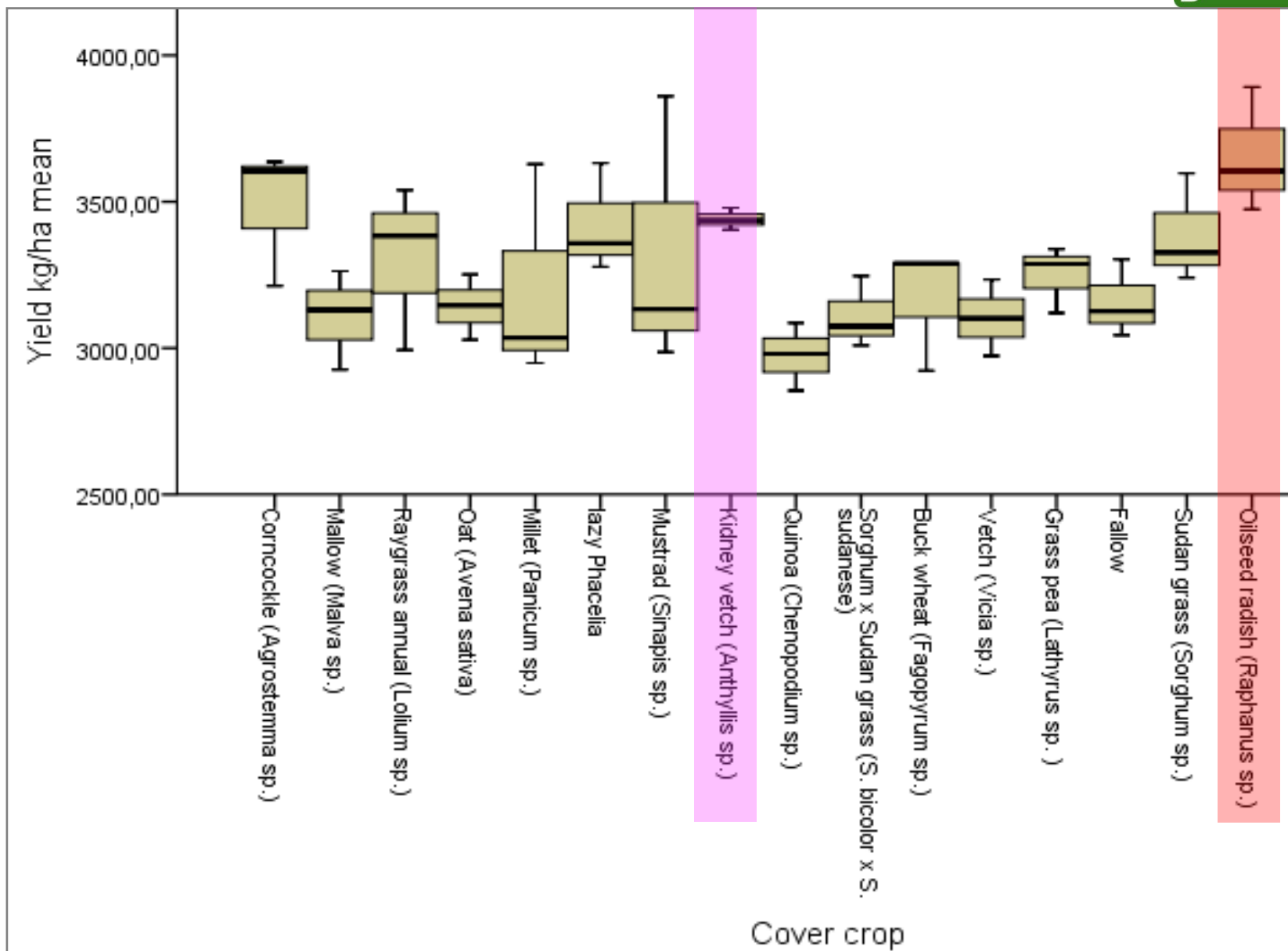
Pia Euteneuer Msc.

University of Natural Resources and Life
Science, Vienna

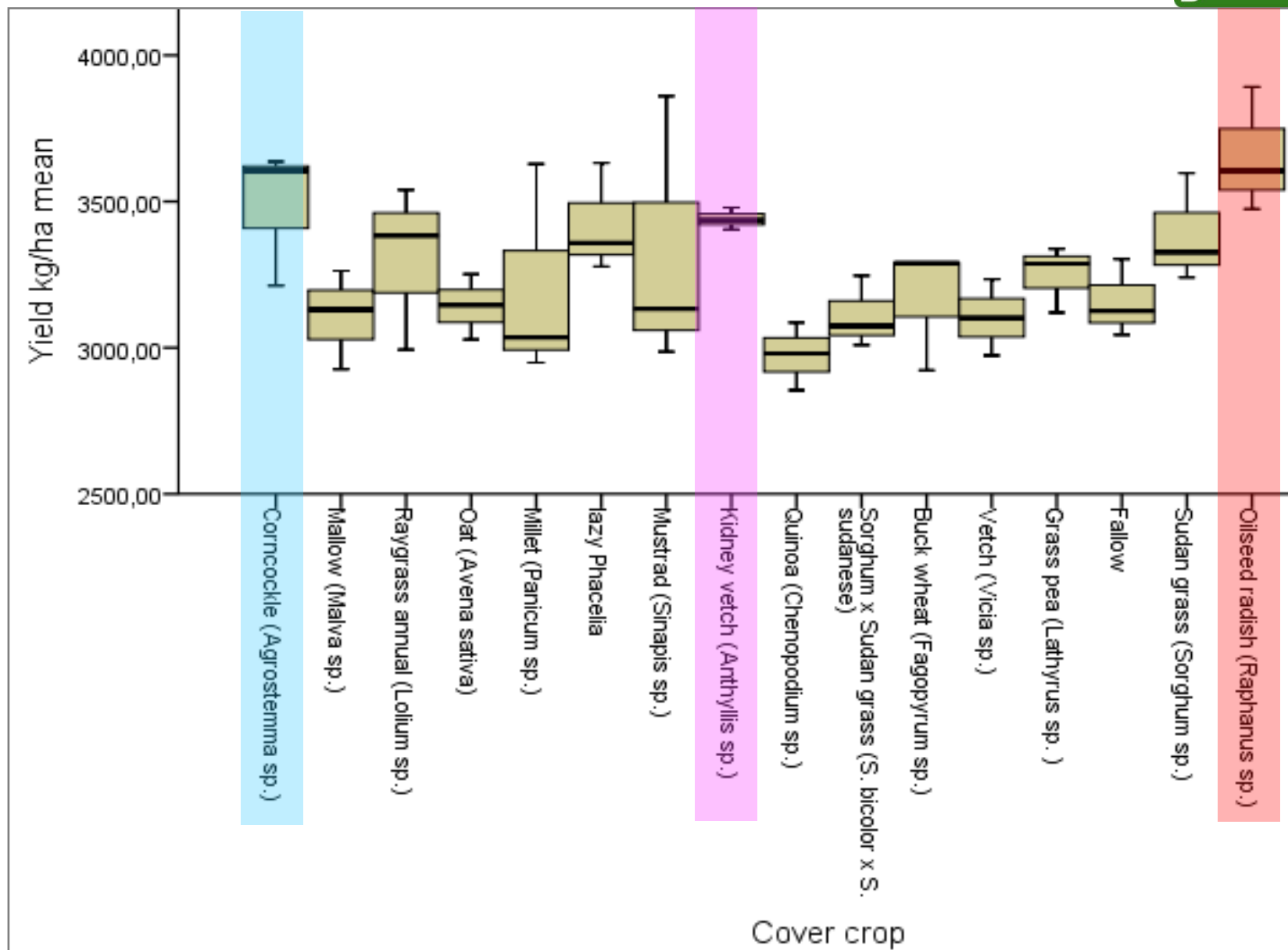
Soybean yield 2015



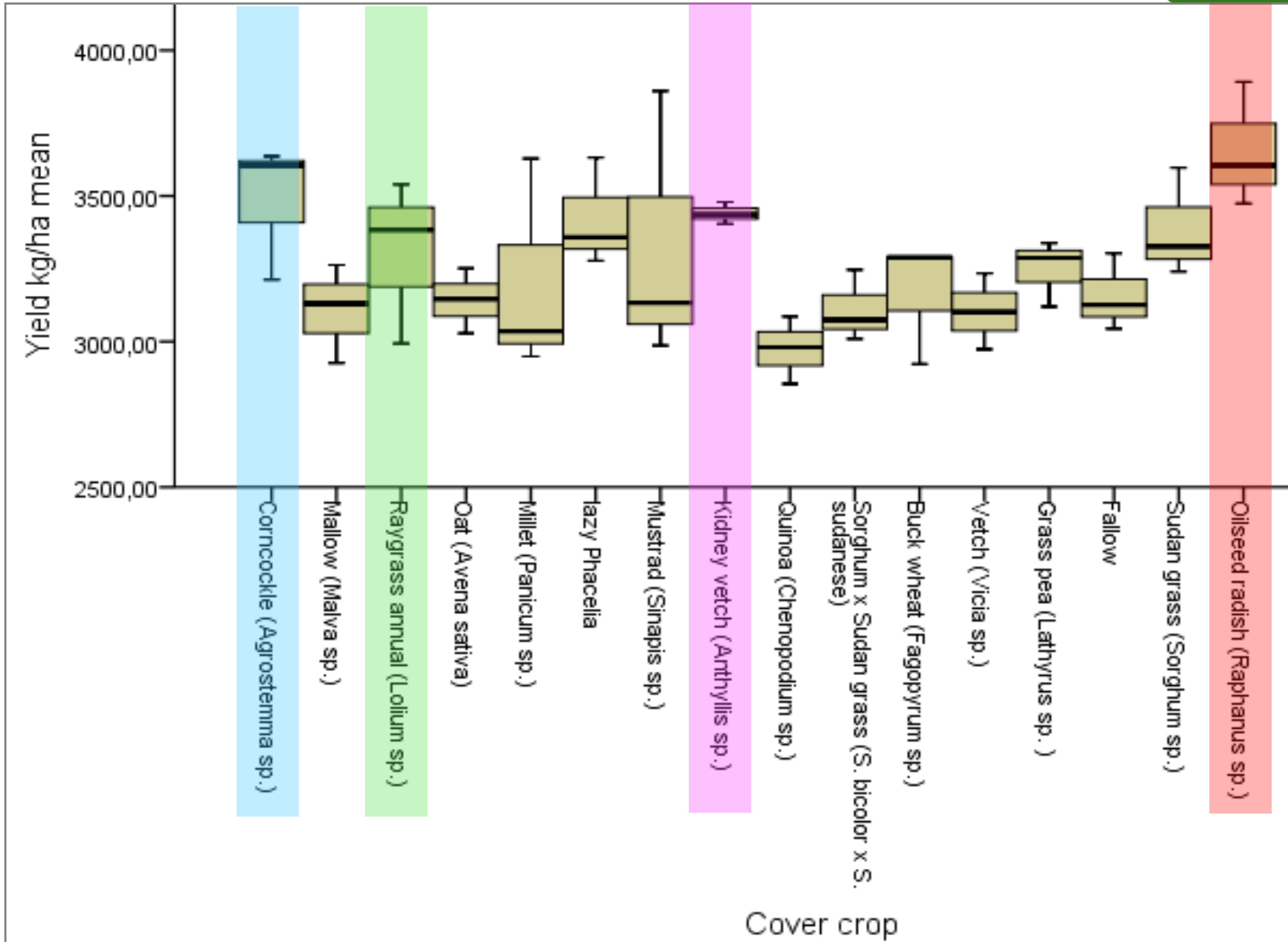
Soybean yield 2015



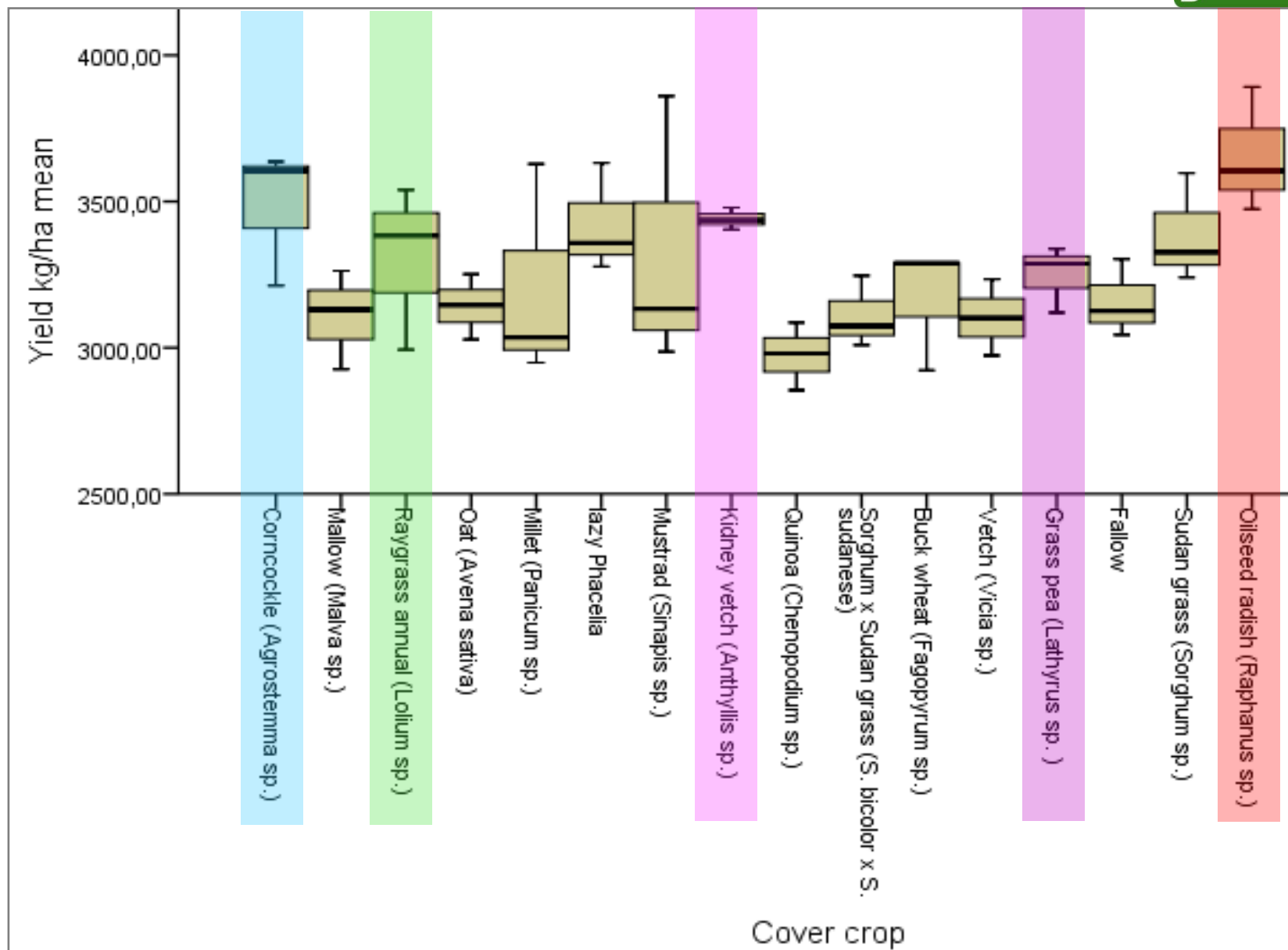
Soybean yield 2015



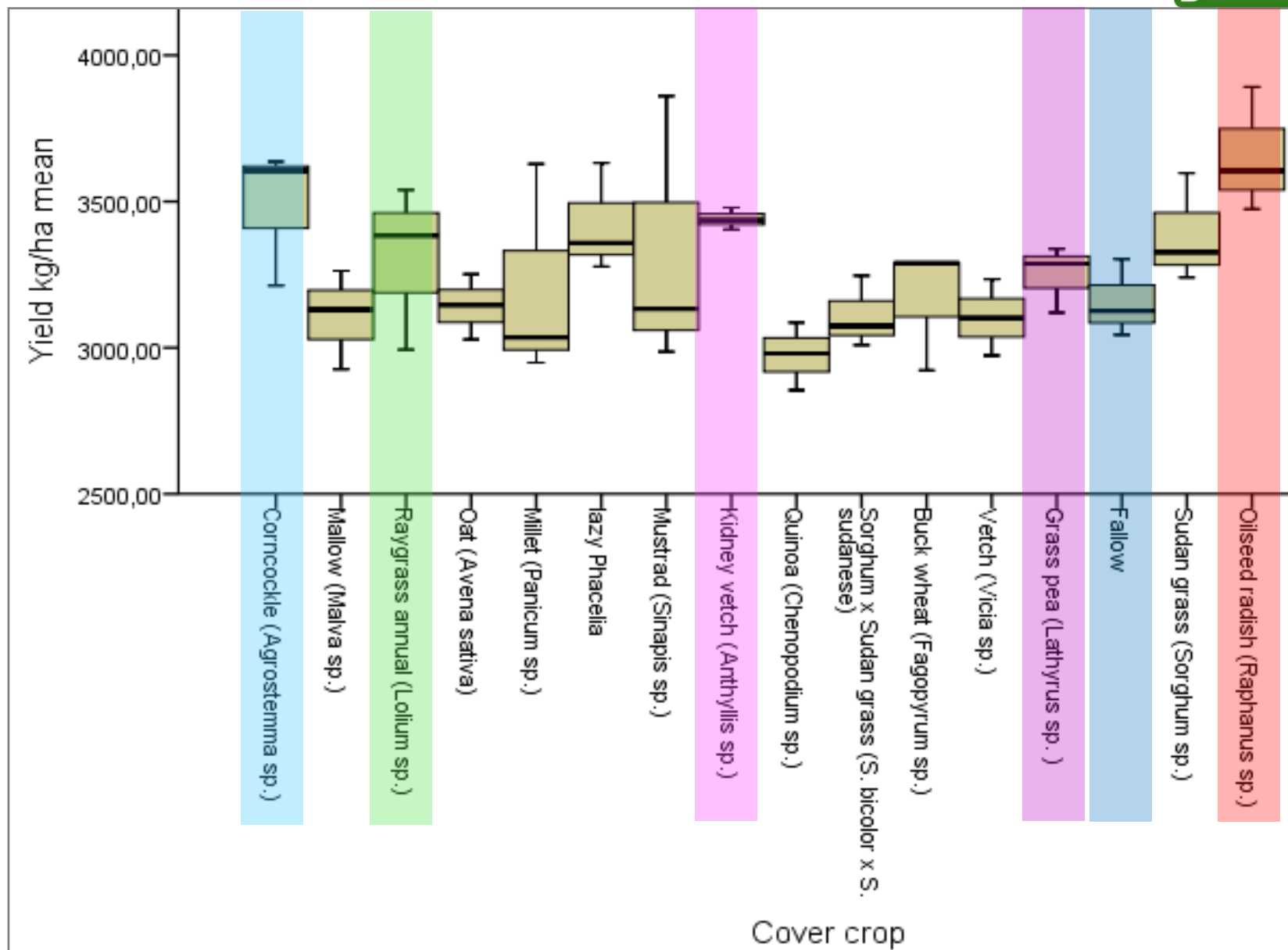
Soybean yield 2015



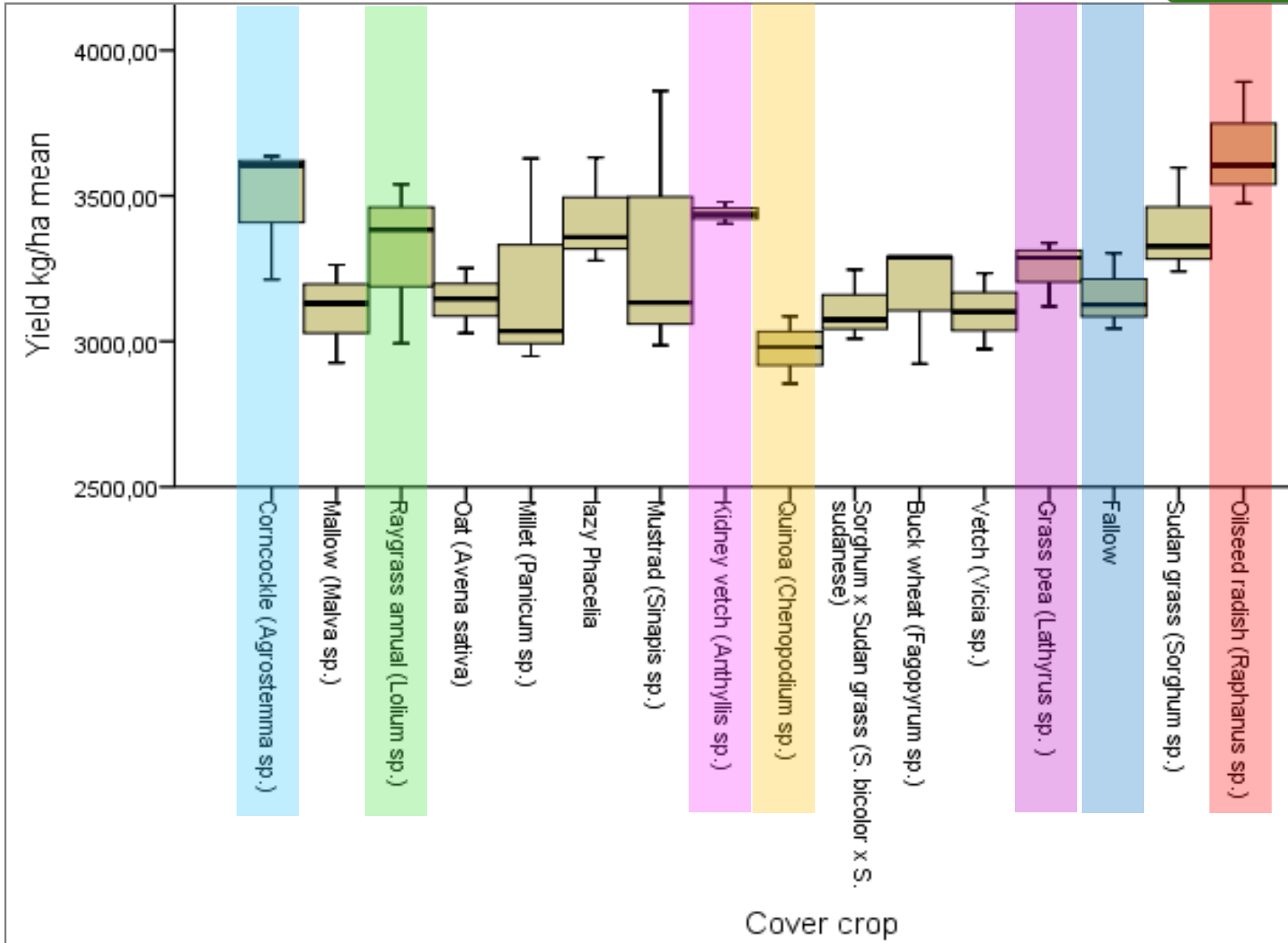
Soybean yield 2015



Soybean yield 2015



Soybean yield 2015





Annual raygrass (*Lolium multiflorum* var. *westerwoldicum*)

Poaceae



Corncockle (*Agrostemma githago*)

Caryophyllaceae



Kidney vetch (*Anthyllis vulneraria*)

Fabaceae



Quinoa (*Chenopodium quinoa*)

Chenopodiaceae



Grass pea (*Lathyrus sativus*)

Fabaceae



Fallow



Oilseed radish (*Raphanus sativus* *var. oleiformis*)

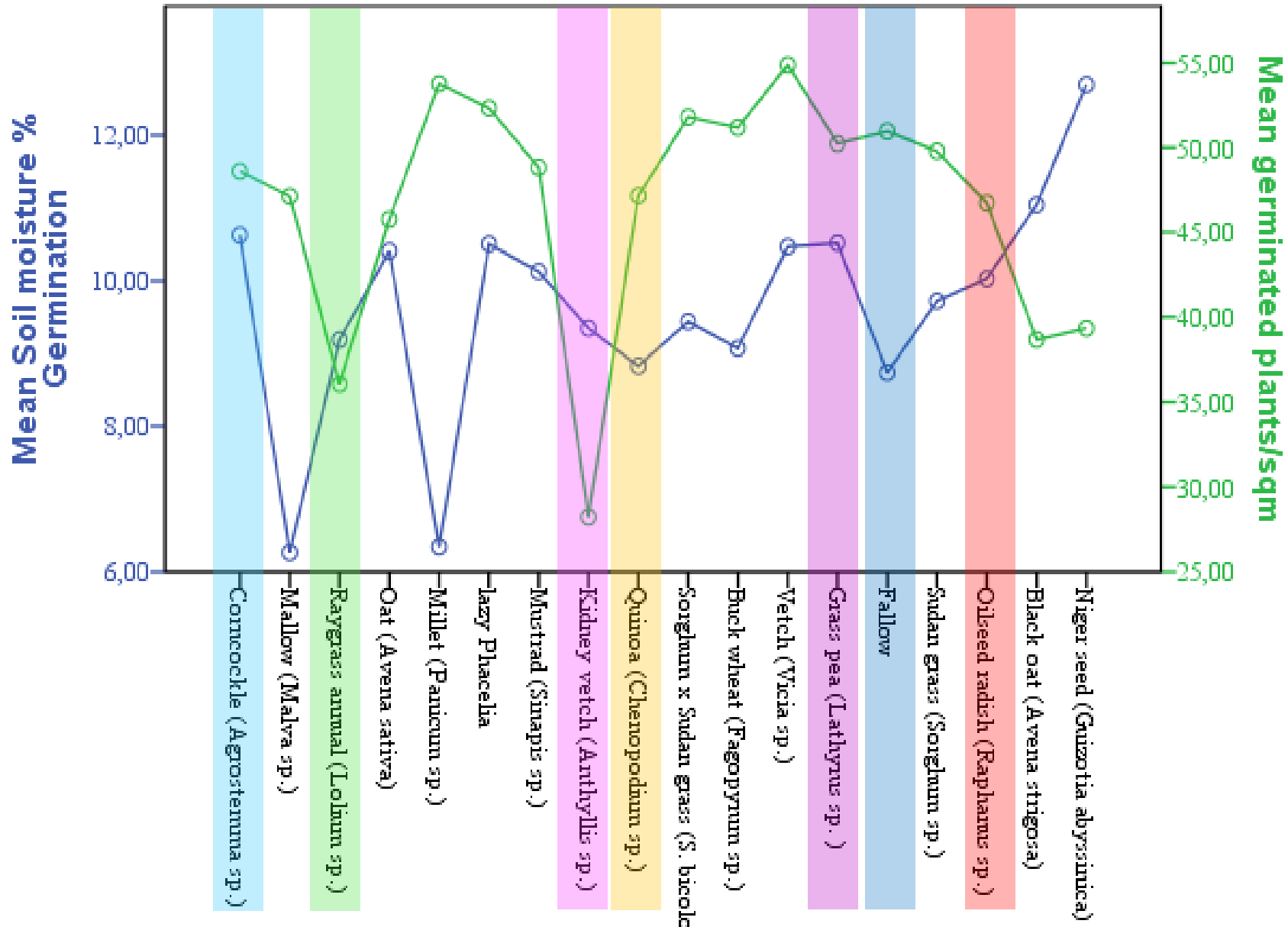
Brassicaceae



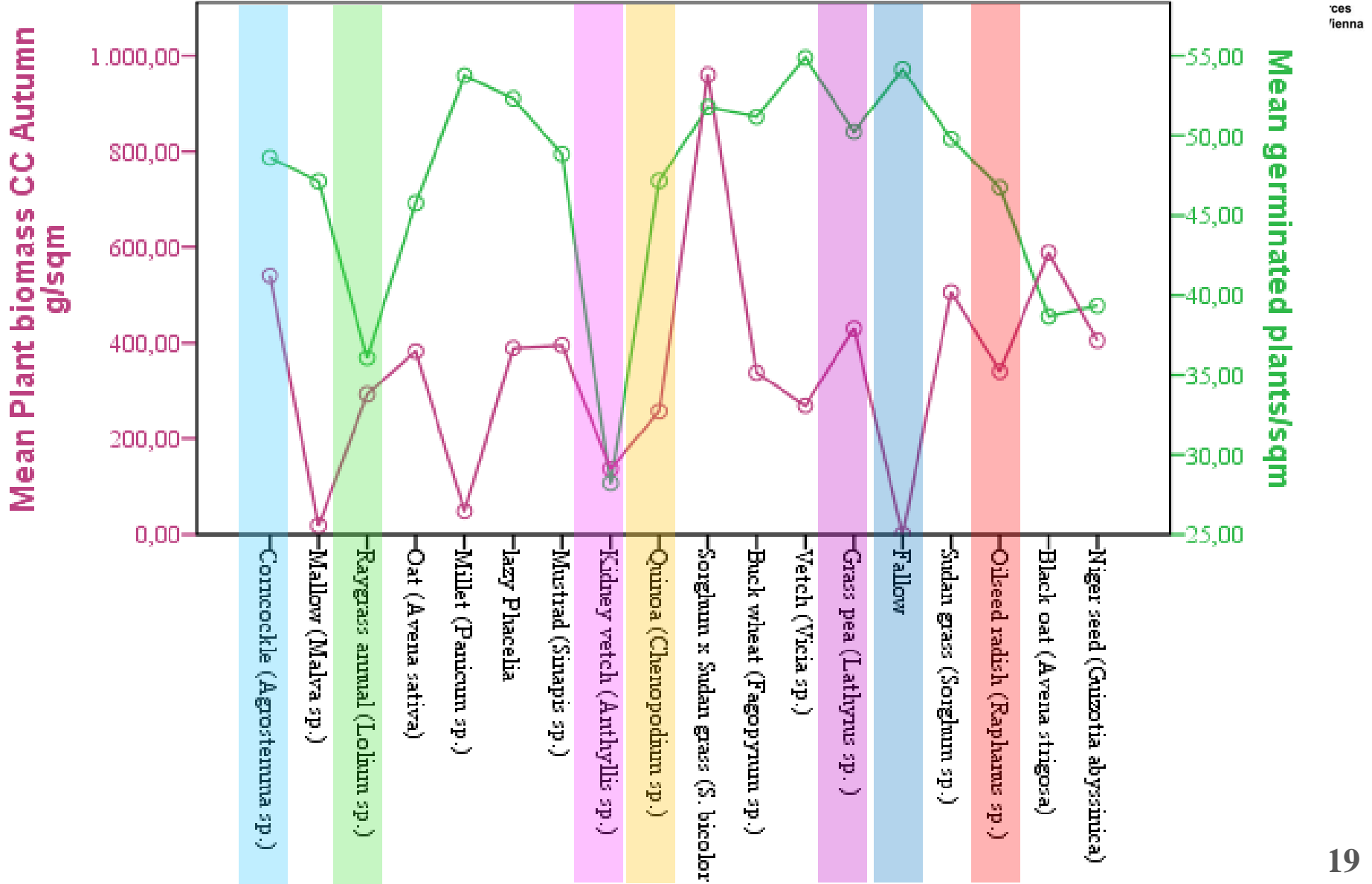
Mean germinated soybeans & soil moisture 2015+2016



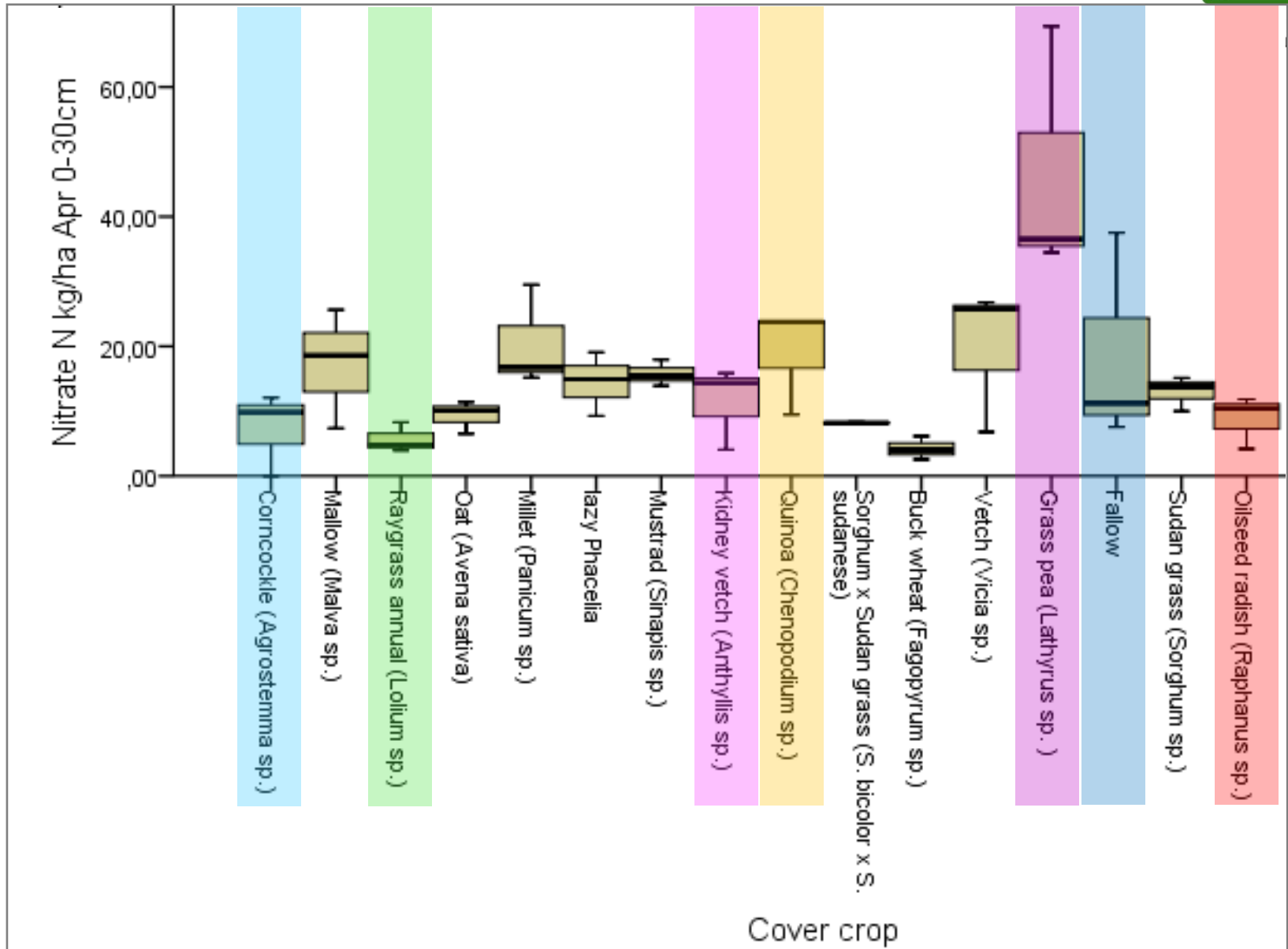
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Vienna



Mean germinated soybeans & biomass 2015+2016



NO₃ content April 2015



Sum up of findings

- Yield

Highest

Oilseed radish

Kidney vetch

Corncockle

Lowest

Quinoa

Fallow

grass pea

Sum up of findings

- Yield

Highest

Oilseed radish

Kidney vetch

Corncockle

Lowest

Quinoa

Fallow

grass pea

- Germinated plants

Quinoa

Fallow

Grass pea

Kidney vetch

Raygrass

Corncockle

Sum up of findings

- Yield

Highest

Oilseed radish

Kidney vetch

Corncockle

Lowest

Quinoa

Fallow

Grass pea

- Nitrate

Grass pea

Quinoa

Kidney vetch

Raygrass

Corncockle

Oilseed radish

- Germinated plants

Quinoa

Fallow

Grass pea

Kidney vetch

Raygrass

Corncockle