* Critical N dilution curves [CNDCs] for potato are subject to G x E x M effects
* Bayesian methods can quantify uncertainty in critical N concentration [%Nc]
* Partial pooling Bayesian method enables direct comparison of G x E x M effects
* Variation in %Nc for potato due to tuber initiation timing and tuber bulking rate
* N use efficiency and N nutrition index depend on %Nc variability and uncertainty