

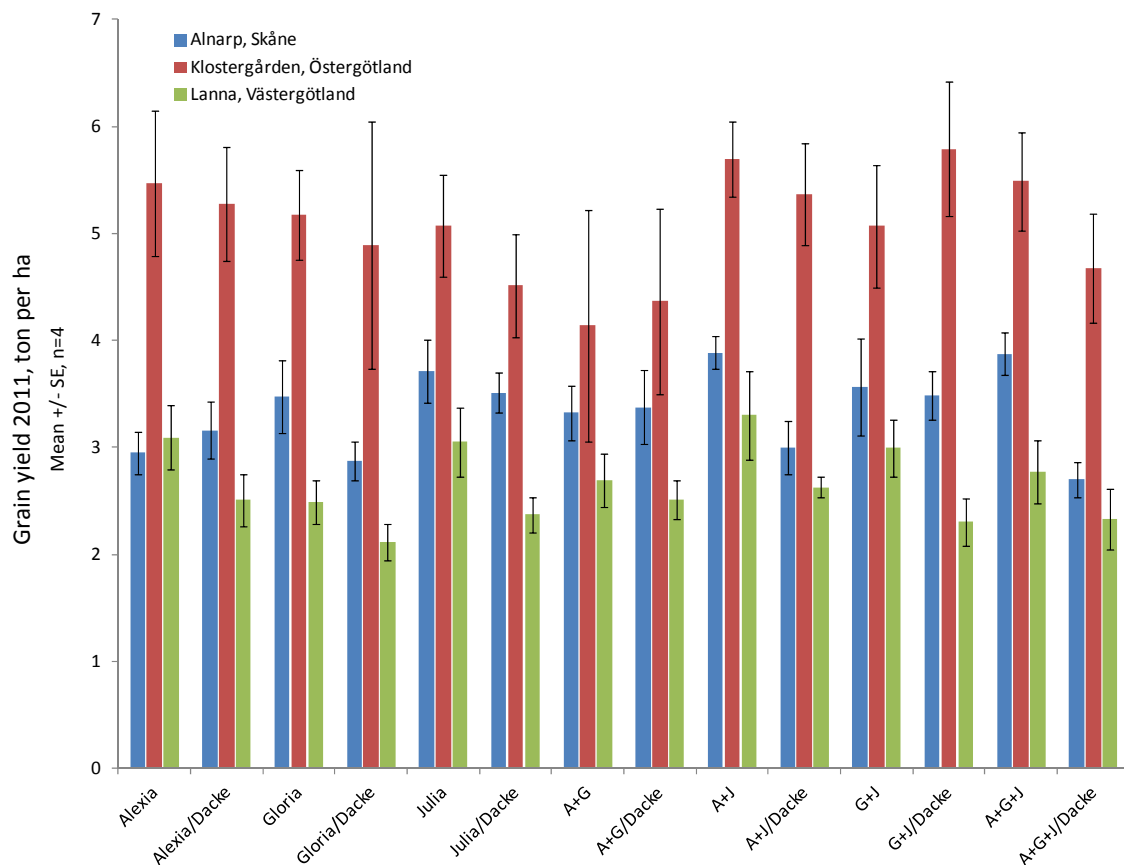
## Yield stability in varietal mixtures of *Vicia faba*.

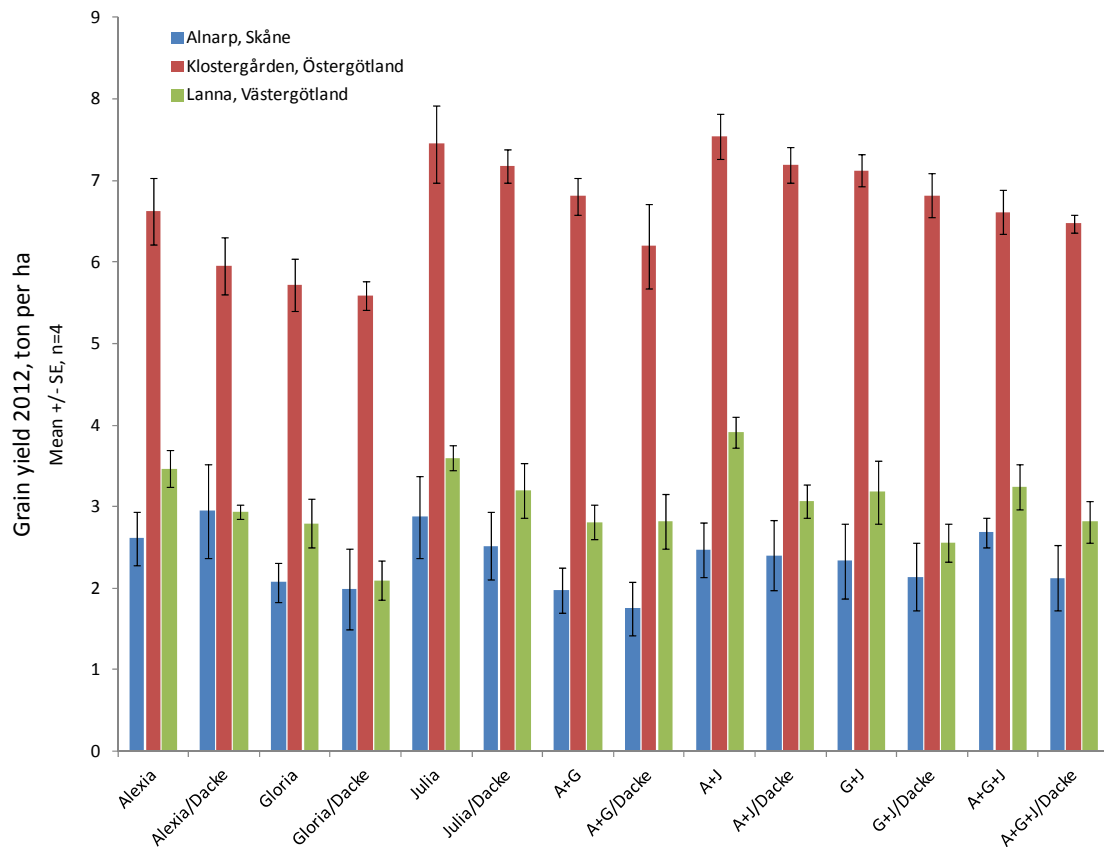
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### Status report February 2013

Field experiments have been performed during two years (2011 and 2012) at the three sites Alnarp (Skåne), Lanna (Västra Götaland) and Klostergården (Östergötland). Three faba bean (*Vicia faba* L.) varieties (Alexia, Gloria and Julia) were sown in pure stands and in two- and three-varietal mixtures, all combinations with and without spring wheat (*Triticum aestivum* L. cv. Dacke) intercropping. The grain yields before drying (*i.e.* at field moisture content) were highest at the site Klostergården in both years. Both years' data indicate that the two-varietal mixtures Alexia + Julia and the three-varietal mixture Alexia + Gloria + Julia have as high grain yield as the most productive pure varieties, at the same time as these varietal mixtures show lower variation between the blocks (smaller standard errors):





Sample and data analyses are in progress for the evaluations of N<sub>2</sub> fixation, occurrence of chocolate spot disease and product quality. Two MSc theses have been published within the project: [http://stud.epsilon.slu.se/4369/1/Dhamala\\_N\\_120625.pdf](http://stud.epsilon.slu.se/4369/1/Dhamala_N_120625.pdf); [http://stud.epsilon.slu.se/5088/1/Sarwar\\_S\\_121126.pdf](http://stud.epsilon.slu.se/5088/1/Sarwar_S_121126.pdf)



Alnarp July 21



Klostergården August 2



Lanna August 16

(Photo: G. Carlsson 2012)