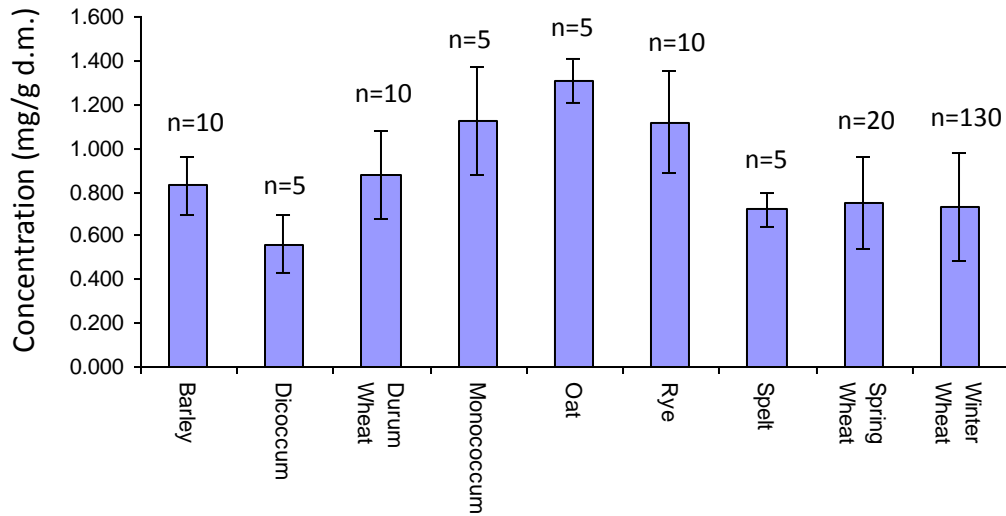
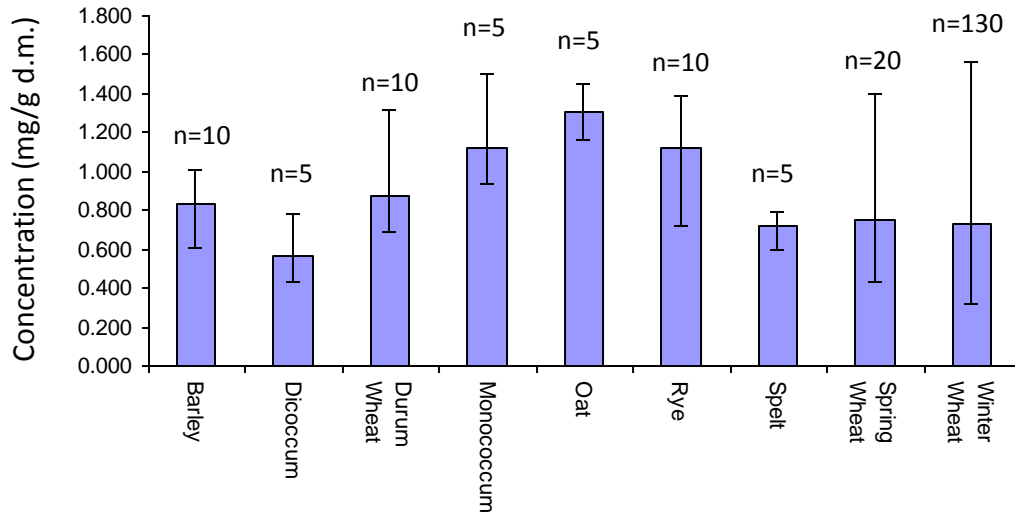


Figure S1. Mean concentrations (mg/g d.m.) of asparagine in different cereal wholemeal samples grown at a single site in Hungary in 2005. A: error bars represent mean concentration  $\pm$  standard deviation; B: Error bars represent the range observed across cultivars. Number of analysed cultivars are indicated at the top of each bar

**A**

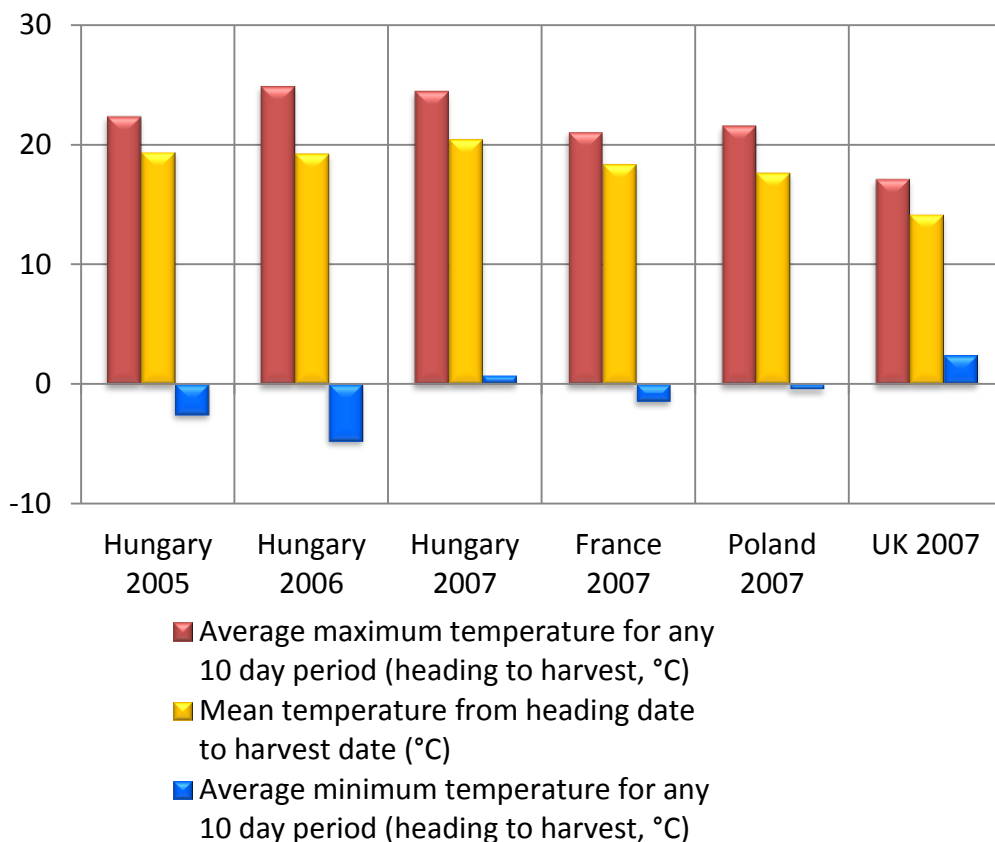


**B**



**Figure S2:** Temperature and precipitation data for 6 growing environments used (2005-2007). A: Temperature; B: Precipitation

**A**



**B**

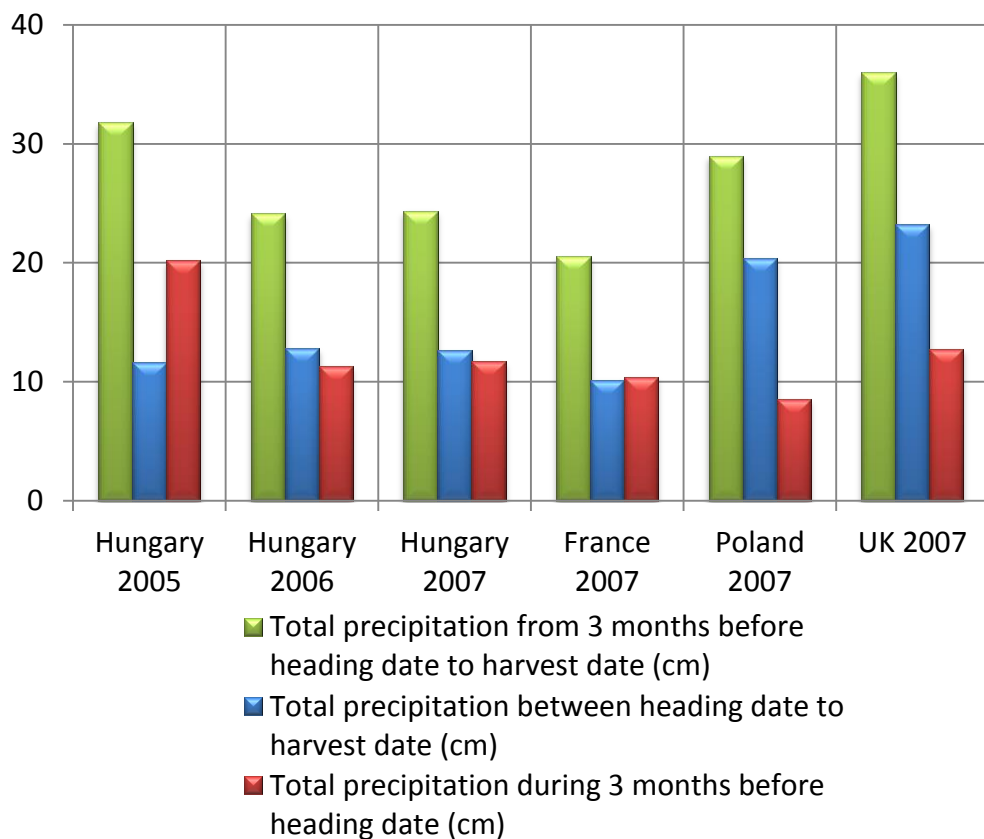


Figure S3. Mean concentrations (mg/g d.m.) of asparagine in winter and spring wheat wholemeal samples grouped by decade of registration. Number of analysed cultivars per decade are indicated at the top of each bar

