Title The trypsin inhibitors present in seed of different grain legume species and cultivar
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Abstract

Trypsin inhibitors in a selection of grain legume seeds from different species and cultivars were studied. The results showed that trypsin inhibition content ranged from negligible in *Lupinus* spp. to very high in *Glycine max*. Although there is variation among cultivars, generally the highest TIU mg⁻¹ sample values occured in soybean (43–84) and common bean (21–25). Inhibitor content of different *Lathyrus* cultivars, ranged from 19–30 TIU mg⁻¹ sample. This was higher than the contents in chickpea (15–19 TIU mg⁻¹ sample) and pea (6–15 TIU mg⁻¹ sample). Lentil and faba bean had low values in most cvs (3–8, and 5–10 TIU mg⁻¹ sample, respectively). Trypsin inhibitor isoform analyses showed that the amount of TI detected, varied with legume species and variety.