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Effect of Duration of Pigeonpea Cultivars and Intercropping on Pod Borders

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Abstract

The pod and grain damage caused by various pod borers varied significantly among three cultivars of pigeonpea. The pod damage by *Helicoverpa armigera*, *Exelastis atonwsa* and *Melanogromyza obtuse* was significantly high in long duration pigeonpea (15.6,8,9 and 19.6%, respectively) followed by medium duration (MD) and short duration (SD) pigeonpea, The pod damage by *Maruca vitrata* was more (16.4%) in SD pigeonpea than the MD pigeonpea (5.3%) and LD pigeonpea (3.8%). The intercropping also caused significant variation in pod and grain damage by pod borers, Castor and sorghum as intercrops reduced the pod damage by *M. vitrata*, *H. armigera* and *M. obtusa*, significantly. The grain damage by lepidopteran borers was less in SD pigeonpea followed by MD and LD pigeonpeas. SD pigeonpea + sorghum, MD pigeonpea + sorghum and SD pigeonpea + castor had low pod and grain damage with significant higher equivalent yields and land equivalent ratios.

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Key words

CajanlIs cajan, Intercropping, Helicoverpa armigem.

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