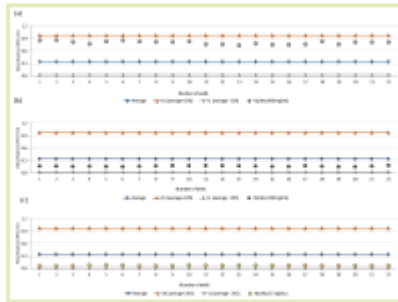


Validation and Application Of A Sensitive Elisa For Vip3AA Toxin Quantification In Corn Plants Resistant To Spodoptera Frugiperda



By

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ABSTRACT *Bacillus thuringiensis* is a Gram-positive bacterium that produces toxins (e.g. Vip3Aa) that are able to induce resistance to insect plagues (e.g. *Spodoptera frugiperda*) in commercial crops. However, the Vip3Aa quantification in different plant tissues and phenological stages using a validated quantification assays have not been reported yet. Therefore, this study sought to validate and apply a sensitive immunoassay to quantify Vip3Aa expressed in genetically modified corn plants (GMCP). Methodologically, immunoassay validation was done following analytical technique validation regulations...

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