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(54) Title: INSECTICIDAL COMPOSITIONS AND METHODS FOR MAKING INSECT-RESISTANT TRANSGENIC PLANTS

(57) Abstract: The present invention provides isolated polynucleotide sequences encoding ET37, TIC810 and TIC812 proteins from *Bacillus thuringiensis*, and nucleotide sequences for use in expressing TIC809, ET37, TIC810 and TIC812, and fusions of various insecticidally effective combinations of these proteins such as TIC 127, in plants. Methods of making and using the polynucleotide sequences and the proteins in the development of transgenic plant cells and transgenic plants exhibiting improved insect resistance against (1) Coleopteran insects including Western Corn Rootworm (*Dibrotica virgifera*), Southern Corn Rootworm (*Dibrotica undecimpunctata*), Northern Corn Rootworm (*Diabrotica barbed*), Mexican Corn Rootworm (*Diabrotica virgifera zea*), Brazilian Corn Rootworm (*Diabrotica balteata*) and Brazilian Corn Rootworm complex (*Diabrotica viridula* and *Diabrotica speciosa*), and against Hemipteran insects such as *Lygus* bugs, are disclosed.

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