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Bioinsektisida *Spodoptera litura* Nuclear Polyhedrosis Virus untuk Pengendalian Hama Ulat Daun Tembakau

*Spodoptera litura* Nuclear Polyhedrosis Virus Bioinsecticide (SLNPV)

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This technology is designed to provide alternatives in controlling leaf eater (*Spodoptera litura*), the main pest of tobacco. The application of this nuclear polyhedrosis virus bioinsecticide is considered effective, efficient, and environmental safe in order to minimize the use of chemical insecticide in tobacco. The formula of SLNPV is based on the utilization of virus isolated from dead larvae of *Spodoptera litura* mixed with kaolin and t alcum powder as a carrier, and molasses which acts as feeding stimulant, sticker, and trv protectant.

Pada aplikasi di lapangan, bioinsektisida ini dapat membunuh hama sasaran sekitar 60-70%, sedangkan di laboratorium 90-100%, dan kemampuan membunuhnya masih efektif pada generasi hama selanjutnya melalui infeksi pada saat peneluran serangga inang.

This bioinsecticide can control the pest target for about 60-70% under field condition and about 90-100% under laboratory condition. The following generations of this virus isolated from infected larvae of *S. litura* remains potent to infect the eggs of targeted pest.