SPEAR® LEP

BIOINSECTICIDE MODE OF ACTION

VESTARON®

THE POWER OF PEPTIDES™

The active ingredient in Spear® is GS-omega/kappa-Hxtx-Hv1a. Spear® products are the first peptide-based insecticides, and the first bioinsecticides that affect a specific neuromuscular target. Spear® delivers an entirely new mode of action for crop protection (IRAC group 32), which means no cross resistance to any other active ingredient, and a novel tool for insecticide resistance management. Because of its biological origins, Spear® is lethal to insect and mite pests, but non-toxic to bees, fish and mammals.

Nicotinic acetylcholine receptors (nAChR) are channels found in the nerves of insects that respond to neurotransmitters. These receptors are essential for transducing certain electrical signals, such as the muscle contraction.