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226. Pestisida Organik OrgaNeem *Organic Pesticide of OrgaNeem*

OrgaNeem merupakan pestisida nabati hasil ekstrak biji mimba (*Azadirachta indica* A. Juss) yang mengandung azaraktin 0,8 - 1,4% dengan pelarut organik, dengan cara perendaman dan pengepresan. Prosesnya sangat karakteristik tanpa melalui pendinginan.

OrgaNeem mudah larut dalam air dan mempunyai ketahanan simpan hingga 12 bulan. Keunggulan pestisida ini adalah efektif membunuh serangga resisten terhadap insektisida kimia, sulit menimbulkan resistensi, merusak perkembangan telur, larva, dan pupa; menghambat pergantian kulit, mengganggu komunikasi serangga, menghambat reproduksi serangga betina, dan bersifat mengusir serangga. OrgaNeem adalah pestisida organik yang ramah lingkungan, sehingga sesuai digunakan untuk pertanian organik, sehingga menghasilkan produk pertanian yang bebas residu pestisida.

Kehadiran biopestisida membuka peluang bagi industri biopestisida untuk tanaman kedelai, sayuran, tembakau, jeruk, dan kapas.

*OrgaNeem is a bio pesticide originated from neem seed extraction (*Azadirachta Indica* A. Juss) containing azaraktin of 0.8 to 1.4% with organic solvents. The process is very typical without refrigeration. OrgaNeem is effective in controlling some pests including pests that attack the soybean crop, vegetable and tobacco, citrus, and cotton.*

OrgaNeem is easily soluble in water and can be stored up to 12 months. The advantages are effective in killing insects that resist to chemical insecticides, hard to cause resistance, damaging the development of eggs, larvae and pupae, inhibiting the turnover of skin, disturbing insect communication, inhibiting reproduction of female insects, and getting rid of insects. OrgaNeem is an environmentally friendly organic pesticide, thus suitable for being used in organic farming system to produce agricultural products that is free from commercial pesticide residues.

It is opened to be developed in the (biopesticide) industry scale and be applied especially in soybean, vegetables, tobacco, citrus, and cotton.

