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*Full Length Research Paper*

## Determination of residues of deltaméthrin in wheat and potato by HPLC

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### Abstract

Residues of deltamethrin, a pyrethroid insecticide commonly used to protect stored grains, have been determined in wheat and potato by high -performance liquid chromatography with UV detection at 233 nm after extraction by chloroform and a silica gel clean-up. Recoveries from fortified samples spiked with 1 ppm of deltamethrin exceeded 75% for both products. The control carried out on imported products showed the presence of this insecticide that sometimes exceeded the maximum limits of residues authorized by the OMS/FAO (0.10 ppm in potatoes and 1.00 in wheat).

**Key words:** deltamethrin, residues, wheat, potato, HPLC.

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