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Risk Assessment Report

Pigsty Spray containing an active substance, *d · d*-T-Cyphenothrin (CarboJet, Farm Clean) (Veterinary Medicinal Product)

Food Safety Commission of Japan (FSCJ)
March 2023

ABSTRACT

The FSCJ conducted a risk assessment of a pigsty spray formulation containing the active substance, *d · d*-T-Cyphenothrin (CarboJet, Farm Clean), based on application documents for approval of manufacturing and marketing a veterinary medicinal product.

This formulation is expected to be used only in empty pigsties after all pigs have been moved out. After use, the pigsty must be washed out with water before introducing new pigs.

The FSCJ has specified an acceptable daily intake (ADI) of 0.015 mg/kg bw per day for *d · d*-T-Cyphenothrin, the main substance of this formulation.

The FSCJ presumed that the additives included in this formulation would have negligible effects on human health when ingested as components of the formulation, considering its usage, existing toxicity assessments, directions and dosage.

Although a residue test of this formulation has not been conducted, the results of tests undertaken by the applicant confirmed that the residual amount of *d · d*-T-Cyphenothrin as an active substance is subtle in the structural object of the pigsty after washing. Consequently, the FSCJ speculated that the amount of *d · d*-T-Cyphenothrin transmitted to pigs would be small.

Safety studies of this formulation have not been conducted because pigs are not directly exposed to it. Meanwhile, in its clinical tests, no adverse effect was observed on farmed animals brought into pigsties after treatment with this formulation.

Given the above, the FSCJ concluded that the probability of affecting human health through food would be negligible as long as this formulation is appropriately used.