

Supplementary Material to

Human biomonitoring of neonicotinoid exposures: case studies after use of a spray-agent on ornamental plants and a topical medication on pets

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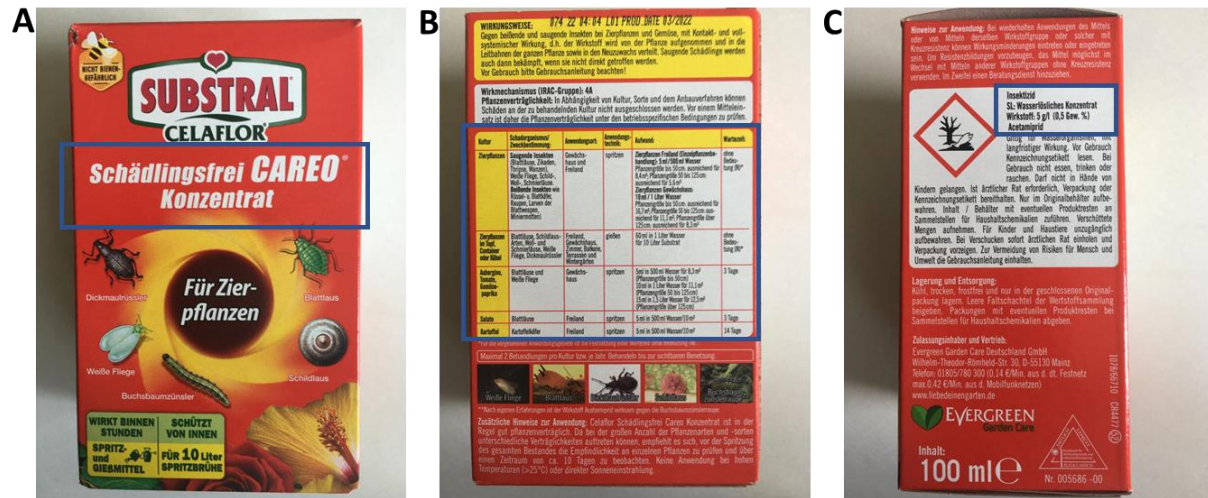
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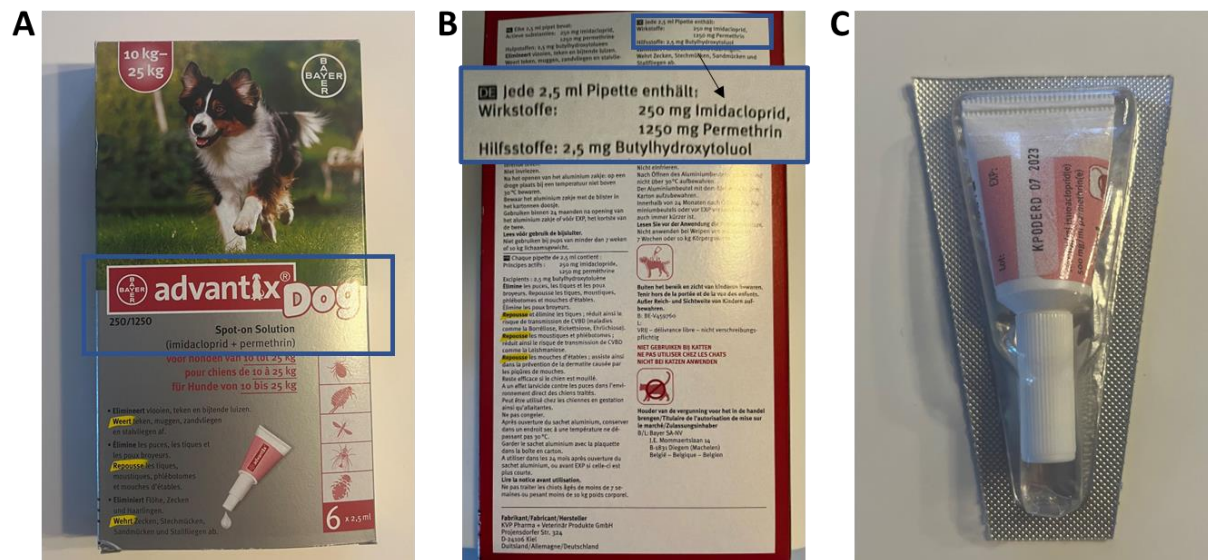
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1 Supplementary Data

1.1 Product information of the used NNI-containing agents



Supplementary Figure 1. Pictures of the commercially purchased spray-agent containing ACE for use on ornamental plants. Blue boxes indicate relevant information on the front (A), back (B), and side (C) of the package indicating the active ingredient ('Acetamiprid; 5 g/L; 0.5wt.-%') and its recommended use.



Supplementary Figure 2. Pictures of the commercially purchased spot-on solution containing IMI for use on dogs. Blue boxes indicate relevant information. **A:** Front of the package showing the name of the veterinary product ('Advantix - Dog'). **B:** Back of the package listing the ingredients of the solution (2.5 mL solution contains 250 mg of IMI). **C:** Pipette containing the spot-on solution.

1.2 Photo series on the application of solutions containing NNIs

Preparation



Treatment



Supplementary Figure 3. Depiction of the plant treatment using an ACE-containing spray-agent. Preparation of treatment solution (top) and spray-treating orchids (bottom). Due to aerial roots and to avoid stagnant water, orchids, in deviation from the manufacturer's specifications for indoor ornamental flowers, were sprayed rather than watered.



Supplementary Figure 3. Depiction of the dog treatment using an IMI-containing spot-on solution.

1.3 Volunteer and sample information

	Age [years]	Body weight [kg]	No. of samples	Total volume [L]
ACE application	52	83	16	4.943
IMI application	40	100	16	5.055

Supplementary Table 1. Age and body weight of the volunteers at time of the application and indication of the number of samples and the total urine volume during sampling.