**Table S1. Simple linear regression analysis of the association between TCPy and contributing factors**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Variable** | **B** | **SE (B)** | **Beta** | **95%CI of B** | **p** |
| Age (years) | 0,13 | 0,07 | 0.16 | -0.01 ; 0.26 | 0.073 |
| Sex | -1.76 | 2.24 | -0.07 | -6.19 ; 2.66 | 0.431 |
| CYP2B6 | -3.05 | 0.93 | -0.28 | -4.89 ; -1.21 | 0.001 |
| Cumulative exposure level – CEL | -1.64 | 1.33 | -0.11 | -4.27 ; 0.99 | 0.220 |
| Body mass index – BMI (kg/m2) | -0.57 | 0.22 | -0.22 | -1.02 ; -0.13 | 0.012 |
| Smoking habits | 3.36 | 1.30 | 0.22 | 0.78 ; 5.93 | 0.011 |
| Post-spraying days (days) | -1.25 | 0.36 | -0.29 | -1.96 ; - 0.54 | 0.001 |
| Additional pesticide to chlorpyrifos (CPF) | -2.18 | 1.50 | -0.13 | -5.15 ; 0.79 | 0.148 |
| Spraying time | -4.30 | 1.34 | -0.27 | -6.95 ; -1.64 | 0.002 |

B=Parameter estimate; SE (B)= Standard error for B; TCPy=3,5,6-Trichloro-2-pyridinol

Age in year (continuous variable)

Sex: female (reference) or male

CYP2B6: \*1/\*1 (reference) or \*1/\*6 or \*6/\*6

CEL: high (reference) or low

BMI in kg/m2 (continuous variable)

Smoking habits: smoking (reference) or not smoking

Post-spraying days (continuous variable)

Additional pesticide to CPF: > 2 pesticides (reference) or ≤ 2 pesticides

Spraying time: other than morning (reference) or morning time