

**Supplementary Material****ASSESSMENT OF MANCOZEB EXPOSURE, ABSORBED DOSE AND OXIDATIVE DAMAGE IN GREENHOUSE FARMERS**Chiara Costa<sup>1</sup>, Michele Teodoro<sup>2</sup>, Federica Giambò<sup>2</sup>, Stefania Catania<sup>2</sup>, Silvia Vivarelli<sup>2\*</sup>, Concettina Fenga<sup>2</sup>**Supplementary Table S1.** Electrospray ionization interface (ESI) voltage settings.

MS detection parameters	
Capillary (kV)	0.3
Cone (V)	31
Extractor (V)	3
RF Lens (V)	0.4
Source temperature (°C)	130
Desolvation temperature (°C)	450
Cone gas flow (l/h)	51
Desolvation gas flow (l/h)	800

**Supplementary Table S2.** Mass spectra (MS) detection and selected ion.

Selected ion	Parents (m/z)	Daughter (m/z)	Identifier (m/z)	Collision (V)	Retention time (min)
ETU	102.9	<b>44.1</b>		22	
		59.9	44.1	31	2.045
		102.9		11	
		48.1		22	
[ <sup>2</sup> H <sub>4</sub> ]-ETU	106.9	<b>63.9</b>	63.9	22	1.95
		106.9		12	

Note: Bold characters are used for daughter ions quantifiers

**Supplementary Table S3.** Limit of detection (LOD) and limit of quantification (LOQ) for pad and urine samples.

Matrix	LOD (µg/l) (n=10)	Accuracy (% ± SD)	Precision %CV	LOQ (µg/l) (n=10)	Accuracy (% ± SD)	Precision %CV
Water (pads)	0.2078±0.0135	103.90±0.065	20.40	0.2497±0.0039	99.88±0.016	5.65
Urine	0.2086±0.0085	101.80±0.0229	6.8	0.2545±0.0058	101.80±0.0229	6.8

SD, Standard deviation; CV, Coefficient of variation

**Supplementary Table S4.** Intraday accuracy and precision of the assay at three different concentration levels.

Matrix	n	Concentration ( $\mu\text{g/l}$ )	ETU Concentration Mean obtained ( $\mu\text{g/l}$ )	Accuracy (% $\pm$ SD)	Precision %CV
Water (pads)	15	0.5	0.507	101.48 $\pm$ 1.07	5.58
		5	5.091	101.41 $\pm$ 1.51	5.42
		50	50.433	100.87 $\pm$ 0.93	4.16
Urine	15	0.5	0.544	108.76 $\pm$ 2.82	8.62
		5	5.122	102.45 $\pm$ 1.51	5.38
		50	50.464	100.93 $\pm$ 0.93	4.16

**Supplementary Table S5.** Interday precision and accuracy of the assay at three different concentration levels.

Matrix	n	Concentration ( $\mu\text{g/l}$ )	Mean obtained ETU Concentration (ng/ml)	Accuracy (% $\pm$ SD)	Precision %CV
Water (pads)	18	0.5	0.510	102.09 $\pm$ 2.65	6.50
		5	4.956	99.12 $\pm$ 3.52	9.03
		50	50.085	100.17 $\pm$ 4.30	9.34
Urine	18	0.5	0.508	101.63 $\pm$ 2.76	6.14
		5	4.997	99.94 $\pm$ 3.58	9.25
		50	50.917	101.83 $\pm$ 2.07	2.84