

Figure S1. Comparison of fungicide responses obtained in ACN, EtAc, Hexane:acetone (50:50, v/v) and MeOH, for standards solutions at 100 µg L⁻¹

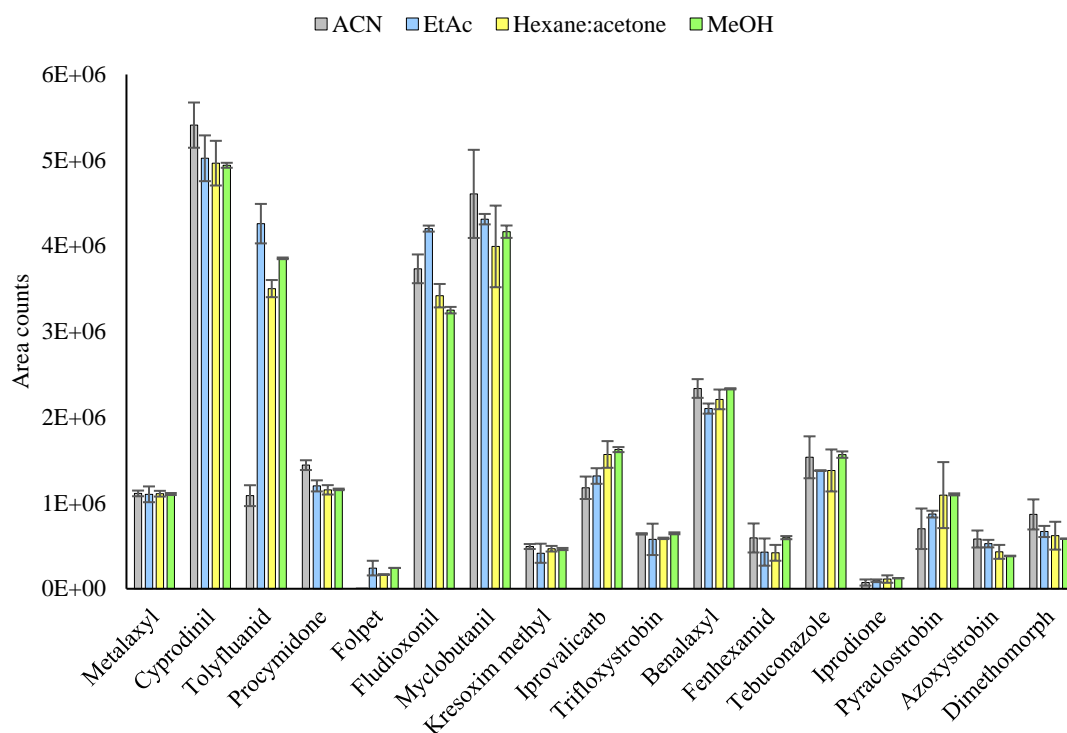


Table S1. MS/MS transitions of target fungicides. Underlined MS/MS transition is the selected for quantification.

Fungicides	MS/MS transitions (Collision energy, eV)
Metalaxyl	<u>206.1 → 132.0 (15)</u>
	234.1 → 174.1 (10)
Cyprodinil	<u>224.1 → 208.1 (20)</u>
	225.1 → 210.1 (18)
Tolyfluanid	<u>137.0 → 91.0 (20)</u>
	238.0 → 136.0 (15)
	238.0 → 137.0 (10)
Procymidone	<u>283.0 → 96.0 (15)</u>
	283.0 → 255.0 (10)
Folpet	146.9 → 102.9 (10)
	<u>259.9 → 94.9 (20)</u>
	259.9 → 129.9 (16)
Fludioxonil	<u>248.0 → 127.0 (30)</u>
	248.0 → 154 (20)
Myclobutanil	<u>179.0 → 125.05 (15)</u>
	179.0 → 152.0 (15)
Kresoxim methyl	<u>206.1 → 116.0 (15)</u>

	206.1 → 131.0 (15)
Iprovalicarb	<u>116.1 → 55.1 (10)</u> 116.1 → 98.0 (10)
Trifloxystrobin	<u>222.1 → 162.1 (10)</u> 222.1 → 190.1 (4)
Benalaxyl	234.1 → 174.1 (10) <u>266.1 → 148.1 (10)</u>
Fenhexamid	<u>177.0 → 113.0 (10)</u> 178.9 → 113.1 (10) 301.1 → 97.0 (15)
Tebuconazole	<u>250.1 → 125.1 (20)</u> 252.1 → 127.1 (20)
Iprodione	187.0 → 124.0 (20) 187.0 → 159.0 (40) <u>314.0 → 245.0 (15)</u>
Pyraclostrobin	<u>132.0 → 77.0 (20)</u> 164.0 → 132.0 (15)
Azoxystrobin	<u>344.1 → 156.0 (20)</u> 344.1 → 172.0 (20) 388.1 → 345.1 (15)
Dimethomorph	<u>301.1 → 165.0 (10)</u> 387.1 → 301.1 (12)

Table S2. ANOVA (values in bold denote statistical significance: p-value < 0.05) and multiple range LSD test for the four studied solvents (* denote statistical significance).

Fungicides	F-ratio	P-value	ACN-EtAc	ACN-Hex:Acet.	ACN-MeOH	EtAc-Hex:Acet	EtAc-MeOH	Hex:Acet-MeOH
Metalaxyl	2.87	0.1674						
Cyprodinil	1.99	0.2580						
Tolyfluanid	2.93	0.1630	*				*	
Procymidone	2.16	0.2352						
Folpet	125.81	0.0002	*	*	*	*		
Fludioxonil	1.71	0.3021						
Myclobutanil	1.17	0.4262						
Kresoxim methyl	5.07	0.0754					*	*
Iprovalicarb	1.76	0.2940						
Trifloxystrobin	1.62	0.3184						
Benalaxyl	1.24	0.4064						
Fenhexamid	1.73	0.2987						
Tebuconazole	1.69	0.3052						
Iprodione	5.16	0.0735						*
Pyraclostrobin	4.67	0.0854				*	*	
Azoxystrobin	5.59	0.0649		*		*	*	
Dimethomorph	0.41	0.7554						

Table S3. Concentration \pm SD (ng g⁻¹) of Metalaxyl in tea samples.

Samples (n=3)	Metalaxyl
Tea 1	7.5 \pm 0.4
Tea 2	2.1 \pm 0.1
Tea 3	2.9 \pm 0.3
Tea 4	3.2 \pm 0.11
Tea 5	2.1 \pm 0.3
Tea 6	6.6 \pm 0.3
Tea 7	2.0 \pm 0.3
Tea 8	2.3 \pm 0.2

Table S4. Concentrations \pm SD ($\mu\text{g g}^{-1}$) of the fungicides in vine leaves extracted with UAE and VE.

Samples (n=3)	Metalaxyl	Cyprodinil	Folpet	Fludioxonil	Mycobutanil	Iprovalicarb	Benalaxyl	Fenhexamid	Tebuconazole	Iprodione	Pyraclostrobin	Azoxystrobin	Dimethomorph
L13 VE	6.7 \pm 0.3		3.0 \pm 0.1		0.010 \pm 0.002			0.045 \pm 0.008	0.0090 \pm 0.0009		0.037 \pm 0.006		0.13 \pm 0.01
L13 UAE	7.4 \pm 0.3		3.3 \pm 0.2		0.013 \pm 0.004			0.058 \pm 0.006	0.013 \pm 0.002		0.035 \pm 0.002		0.17 \pm 0.01
L14 VE	0.090 \pm 0.004		0.94 \pm 0.10										
L14 UAE	0.065 \pm 0.004		1.0 \pm 0.2										
L14 VE		0.45 \pm 0.13	17 \pm 4	2.9 \pm 0.8		48 \pm 9			529 \pm 79			787 \pm 125	0.21 \pm 0.08
L15 UAE		0.46 \pm 0.13	18 \pm 2	3.3 \pm 0.8		39 \pm 13			461 \pm 50			661 \pm 54	0.18 \pm 0.01
L14 VE	0.80 \pm 0.25		1.1 \pm 0.1				0.014 \pm 0.001	0.026 \pm 0.007	0.013 \pm 0.001	0.32 \pm 0.02	0.019 \pm 0.002		0.064 \pm 0.004
L16 UAE	0.87 \pm 0.16		1.2 \pm 0.1				0.013 \pm 0.001	0.022 \pm 0.001	0.012 \pm 0.001	0.30 \pm 0.03	0.021 \pm 0.001		0.064 \pm 0.007