

Table S1. Axial deflection angle measurements at 0%, 25%, 50%, 75% and 99% of the droplet extension time for all species and treatment groups (mean±1 s.d.).

	Axial angle 0%	Matched pair 0%	Axial angle 25%	Matched pair 25%	Axial angle 50%
<i>A. aurantia</i>					
Fresh	135.7±13.1		148.8±14.8		155.7±16.5
Dark	133.9±17.1	$P \geq 0.4927$	142.5±20.6	$P \geq 0.0323$ (4)	150.9±22.4
Normal UVB	135.9±20.5	$P \geq 0.5235$	143.2±23.0	$P \geq 0.0654$	150.4±26.6
Extreme UVB	140.4±17.8	$P = 0.3035$	147.5±22.8	$P = 0.9906$	152.6±26.9
<i>L. venusta</i>					
Fresh	116.8±15.3		116.5±15.2		114.9±14.7
Dark	109.6±14.0	$P \geq 0.0665$	107.7±13.9	$P \geq 0.0293$ (2)	104.9±14.1
Normal UVB	112.5±12.6	$P \geq 0.0380$ (3)	110.6±12.1	$P \geq 0.0209$ (3)	108.6±11.9
Extreme UVB	115.5±10.5	$P = 0.8080$	115.0±10.7	$P = 0.7755$	113.8±10.9
<i>V. arenata</i>					
Fresh	143.1±9.9		139.1±11.7		134.1±13.9
Dark	145.0±10.3	$P \geq 0.2784$	140.8±11.6	$P \geq 0.3327$	136.8±12.9
Normal UVB	141.9±5.9	$P \geq 0.3492$	137.5±6.2	$P \geq 0.2841$	133.4±7.0
Extreme UVB	141.5±5.6	$P = 0.5368$	137.0±7.2	$P = 0.5220$	132.0±8.5
<i>M. gracilis</i>					
Fresh	114.8±13.9		117.6±14.5		115.7±13.9
Dark	114.3±13.6	$P \geq 0.3015$	118.7±14.2	$P \geq 0.1883$	117.1±16.9
Normal UVB	113.4±15.5	$P \geq 0.1519$	119.0±15.3	$P \geq 0.1122$	120.2±16.5
Extreme UVB	114.6±11.4	$P = 0.9076$	123.4±16.1	$P = 0.1851$	125.0±16.7
<i>N. crucifera</i>					
Fresh	116.1±14.1		111.0±15.6		103.6±16.5
Dark	124.0±15.1	$P = 0.0951$	122.0±16.3	$P = 0.0498$	113.2±16.3
Extreme UVB	118.0±19.2	$P = 0.6758$	117.5±21.5	$P = 0.2312$	115.2±21.5

Significant P-values (<0.05) are in bold. Presented for the Normal UVB and Dark treatments are means obtained

by averaging four, 1 h incremental treatment means (due to limited resolution). Individual comparisons were performed for these hourly treatments, and P-values presented are the lowest of the four comparisons; parenthesized values indicate which of the four hourly comparisons was significant, if applicable.

Table S2. Maximum mean percent axial line elongation as droplets extended during each treatment and the percent extension at which this value was expressed.

	<i>A. aurantia</i>	<i>L. venusta</i>	<i>V. arenata</i>	<i>M. gracilis</i>	<i>N. crucifera</i>
Extension	0%	99%	99%	0%	99%
Fresh	10.6	21.1	12.7	21.2	41.8
Dark					
1 h	10.9	35.8	13.0	17.5	-
2 h	10.6	34.8	9.6	23.3	-
3 h	10.4	33.4	10.8	20.9	-
4 h	12.4	30.7	10.5	26.8	31.0
Normal UVB					
1 h	10.9	28.0	13.1	19.5	-
2 h	9.2	26.2	10.2	24.9	-
3 h	13.4	34.5	12.7	18.4	-
4 h	11.2	24.9	12.6	28.6	-
Extreme UVB	8.5	22.8	12.8	20.1	28.6

For each species, maximum axial line extension occurred at the same percent extension.