

**Table S1.** Volatile compounds in control and PEF-treated samples of Red Bunching onions (immediately after PEF and 24 h after PEF).

Cultivar	Compound	Mean $\pm$ SEM*							
		T0				T24			
		Control	Low PEF	Medium PEF	High PEF	Control	Low PEF	Medium PEF	High PEF
Red Bunching	Nonane	0.61 $\pm$ 0.01 <sup>ab</sup>	0.065 $\pm$ 0.02 <sup>a</sup>	0.064 $\pm$ 0.02 <sup>a</sup>	0.07 $\pm$ 0.003 <sup>a</sup>	0.07 $\pm$ 0.01 <sup>a</sup>	0.06 $\pm$ 0.01 <sup>a</sup>	0.05 $\pm$ 0.01 <sup>bc</sup>	0.05 $\pm$ 0.01 <sup>c</sup>
	Decane	0.05 $\pm$ 0.004 <sup>ab</sup>	0.06 $\pm$ 0.004 <sup>ab</sup>	0.06 $\pm$ 0.003 <sup>ab</sup>	0.06 $\pm$ 0.01 <sup>ab</sup>	0.064 $\pm$ 0.01 <sup>a</sup>	0.05 $\pm$ 0.01 <sup>ab</sup>	0.05 $\pm$ 0.01 <sup>b</sup>	0.05 $\pm$ 0.001 <sup>b</sup>
	Undecane	0.004 $\pm$ 0.001 <sup>b</sup>	0.004 $\pm$ 0.001 <sup>a</sup>	0.01 $\pm$ 0.001 <sup>a</sup>	0.01 $\pm$ 0.001 <sup>a</sup>	0.004 $\pm$ 0.001 <sup>a</sup>	0.004 $\pm$ 0.001 <sup>a</sup>	0.01 $\pm$ 0.001 <sup>a</sup>	0.01 $\pm$ 0.001 <sup>a</sup>
	PSO	0.01 $\pm$ 0.01 <sup>cd</sup>	0.02 $\pm$ 0.01 <sup>b</sup>	0.02 $\pm$ 0.002 <sup>ab</sup>	0.023 $\pm$ 0.002 <sup>a</sup>	0.01 $\pm$ 0.01 <sup>cd</sup>	0.02 $\pm$ 0.03 <sup>bc</sup>	0.02 $\pm$ 0.001 <sup>bc</sup>	0.01 $\pm$ 0.001 <sup>d</sup>
	2M2P	0.04 $\pm$ 0.01 <sup>bc</sup>	0.05 $\pm$ 0.01 <sup>a</sup>	0.05 $\pm$ 0.002 <sup>ab</sup>	0.06 $\pm$ 0.003 <sup>a</sup>	0.05 $\pm$ 0.01 <sup>ab</sup>	0.04 $\pm$ 0.01 <sup>cd</sup>	0.04 $\pm$ 0.01 <sup>cd</sup>	0.03 $\pm$ 0.01 <sup>d</sup>
	DMT	0.2 $\pm$ 0.01 <sup>cd</sup>	0.24 $\pm$ 0.01 <sup>a</sup>	0.21 $\pm$ 0.01 <sup>abc</sup>	0.22 $\pm$ 0.01 <sup>abc</sup>	0.2 $\pm$ 0.01 <sup>bc</sup>	0.23 $\pm$ 0.01 <sup>ab</sup>	0.21 $\pm$ 0.01 <sup>abc</sup>	0.2 $\pm$ 0.02 <sup>c</sup>
	DPDS	3.2 $\pm$ 0.5 <sup>d</sup>	9.52 $\pm$ 0.6 <sup>c</sup>	9.9 $\pm$ 0.5 <sup>c</sup>	10.8 $\pm$ 0.9 <sup>c</sup>	4.02 $\pm$ 0.5 <sup>d</sup>	22.1 $\pm$ 3.3 <sup>b</sup>	28.4 $\pm$ 2.6 <sup>a</sup>	28.8 $\pm$ 2.3 <sup>a</sup>
	MPDS	0.041 $\pm$ 0.01 <sup>d</sup>	0.123 $\pm$ 0.01 <sup>cd</sup>	0.114 $\pm$ 0.01 <sup>cd</sup>	0.19 $\pm$ 0.02 <sup>c</sup>	0.04 $\pm$ 0.02 <sup>d</sup>	0.18 $\pm$ 0.02 <sup>c</sup>	0.33 $\pm$ 0.02 <sup>b</sup>	0.6 $\pm$ 0.1 <sup>a</sup>
	MPrDS	0.04 $\pm$ 0.01 <sup>d</sup>	0.05 $\pm$ 0.01 <sup>d</sup>	0.05 $\pm$ 0.01 <sup>cd</sup>	0.06 $\pm$ 0.01 <sup>bc</sup>	0.04 $\pm$ 0.01 <sup>d</sup>	0.07 $\pm$ 0.01 <sup>abc</sup>	0.08 $\pm$ 0.01 <sup>ab</sup>	0.08 $\pm$ 0.01 <sup>a</sup>
	PrPTs	0.01 $\pm$ 0.01 <sup>ef</sup>	0.012 $\pm$ 0.01 <sup>def</sup>	0.02 $\pm$ 0.02 <sup>de</sup>	0.03 $\pm$ 0.02 <sup>cd</sup>	0.01 $\pm$ 0.01 <sup>f</sup>	0.04 $\pm$ 0.01 <sup>c</sup>	0.1 $\pm$ 0.01 <sup>b</sup>	0.11 $\pm$ 0.02 <sup>a</sup>
	PPrDS	1.4 $\pm$ 0.1 <sup>d</sup>	3.9 $\pm$ 0.3 <sup>b</sup>	4.4 $\pm$ 0.26 <sup>b</sup>	5.7 $\pm$ 0.5 <sup>a</sup>	1.26 $\pm$ 0.1 <sup>d</sup>	2.85 $\pm$ 0.2 <sup>c</sup>	4.2 $\pm$ 0.3 <sup>b</sup>	5.4 $\pm$ 0.3 <sup>a</sup>
	MPTS	0.002 $\pm$ 0.001 <sup>d</sup>	0.003 $\pm$ 0.002 <sup>d</sup>	0.003 $\pm$ 0.002 <sup>d</sup>	0.01 $\pm$ 0.001 <sup>d</sup>	0.002 $\pm$ 0.001 <sup>d</sup>	0.02 $\pm$ 0.003 <sup>c</sup>	0.03 $\pm$ 0.003 <sup>b</sup>	0.05 $\pm$ 0.004 <sup>a</sup>
	DPTS	0.1 $\pm$ 0.02 <sup>cd</sup>	0.18 $\pm$ 0.02 <sup>c</sup>	0.18 $\pm$ 0.02 <sup>c</sup>	0.26 $\pm$ 0.03 <sup>c</sup>	0.08 $\pm$ 0.01 <sup>cd</sup>	1.58 $\pm$ 0.2 <sup>b</sup>	2.78 $\pm$ 0.44 <sup>a</sup>	3.3 $\pm$ 0.3 <sup>a</sup>
	PPrTS	0.01 $\pm$ 0.001 <sup>d</sup>	0.01 $\pm$ 0.001 <sup>d</sup>	0.01 $\pm$ 0.001 <sup>d</sup>	0.01 $\pm$ 0.001 <sup>d</sup>	0.01 $\pm$ 0.001 <sup>d</sup>	0.04 $\pm$ 0.004 <sup>c</sup>	0.06 $\pm$ 0.01 <sup>b</sup>	0.08 $\pm$ 0.01 <sup>a</sup>

<sup>a,b,c</sup> Different letter within the same row differ significantly using Fisher's LSD post hoc test ( $p < 0.001$ ). \* Ratio to internal standard (0.1 ppm Fenchyl alcohol); Low PEF = 0.3 kV/cm, Med PEF = 0.7 kV/cm, High PEF = 1.2 kV/cm.

**Table S2.** Volatile compounds in control and PEF-treated samples of Ishikura onions (immediately after PEF and 24 h after PEF).

Cultivar	Compound	Mean ± SEM*							
		T0				T24			
		Control	Low PEF	Medium PEF	High PEF	Control	Low PEF	Medium PEF	High PEF
Ishikura	Nonane	0.04 ± 0.002 <sup>bc</sup>	0.04 ± 0.001 <sup>ab</sup>	0.04 ± 0.002 <sup>a</sup>	0.04 ± 0.002 <sup>a</sup>	0.04 ± 0.001 <sup>bc</sup>	0.04 ± 0.003 <sup>abc</sup>	0.04 ± 0.001 <sup>c</sup>	0.03 ± 0.001 <sup>d</sup>
	Decane	0.04 ± 0.001 <sup>bc</sup>	0.05 ± 0.001 <sup>ab</sup>	0.05 ± 0.001 <sup>a</sup>	0.05 ± 0.003 <sup>a</sup>	0.042 ± 0.001 <sup>bc</sup>	0.04 ± 0.002 <sup>bc</sup>	0.04 ± 0.003 <sup>c</sup>	0.03 ± 0.001 <sup>d</sup>
	Undecane	0.003 ± 0.001 <sup>cd</sup>	0.003 ± 0.001 <sup>b</sup>	0.004 ± 0.002 <sup>a</sup>	0.004 ± 0.001 <sup>a</sup>	0.003 ± 0.001 <sup>bcd</sup>	0.003 ± 0.001 <sup>bc</sup>	0.003 ± 0.001 <sup>bcd</sup>	0.003 ± 0.001 <sup>d</sup>
	PSO	0.006 ± 0.001 <sup>c</sup>	0.007 ± 0.001 <sup>b</sup>	0.008 ± 0.001 <sup>a</sup>	0.008 ± 0.001 <sup>a</sup>	0.006 ± 0.001 <sup>c</sup>	0.007 ± 0.001 <sup>b</sup>	0.007 ± 0.001 <sup>bc</sup>	0.006 ± 0.001 <sup>bc</sup>
	2M2P	0.04 ± 0.003 <sup>b</sup>	0.05 ± 0.003 <sup>b</sup>	0.05 ± 0.003 <sup>ab</sup>	0.053 ± 0.003 <sup>a</sup>	0.05 ± 0.003 <sup>b</sup>	0.042 ± 0.001 <sup>b</sup>	0.032 ± 0.001 <sup>c</sup>	0.02 ± 0.0007 <sup>d</sup>
	DMT	0.19 ± 0.01 <sup>a</sup>	0.2 ± 0.01 <sup>a</sup>	0.21 ± 0.01 <sup>a</sup>	0.21 ± 0.01 <sup>a</sup>	0.20 ± 0.01 <sup>a</sup>	0.211 ± 0.01 <sup>a</sup>	0.2 ± 0.01 <sup>a</sup>	0.19 ± 0.01 <sup>a</sup>
	DPDS	1.42 ± 0.04 <sup>e</sup>	3.6 ± 0.1 <sup>d</sup>	4.3 ± 0.1 <sup>d</sup>	4.5 ± 0.24 <sup>d</sup>	1.2 ± 0.1 <sup>e</sup>	18.5 ± 1.1 <sup>c</sup>	23.5 ± 0.7 <sup>b</sup>	25.6 ± 0.7 <sup>a</sup>
	MPDS	0.04 ± 0.001 <sup>d</sup>	0.31 ± 0.01 <sup>c</sup>	0.37 ± 0.02 <sup>c</sup>	0.41 ± 0.01 <sup>c</sup>	0.04 ± 0.002 <sup>d</sup>	0.4 ± 0.02 <sup>c</sup>	1.5 ± 0.07 <sup>b</sup>	2.04 ± 0.07 <sup>a</sup>
	MPrDS	0.03 ± 0.004 <sup>bc</sup>	0.032 ± 0.004 <sup>abc</sup>	0.04 ± 0.003 <sup>ab</sup>	0.042 ± 0.002 <sup>a</sup>	0.03 ± 0.005 <sup>c</sup>	0.032 ± 0.003 <sup>abc</sup>	0.04 ± 0.0045 <sup>abc</sup>	0.04 ± 0.003 <sup>a</sup>
	PrPTs	0.01 ± 0.001 <sup>e</sup>	0.022 ± 0.003 <sup>d</sup>	0.031 ± 0.002 <sup>c</sup>	0.035 ± 0.001 <sup>c</sup>	0.008 ± 0.001 <sup>e</sup>	0.04 ± 0.001 <sup>c</sup>	0.12 ± 0.006 <sup>b</sup>	0.162 ± 0.006 <sup>a</sup>
	PPrDS	1.21 ± 0.1 <sup>e</sup>	3.6 ± 0.2 <sup>b</sup>	3.94 ± 0.2 <sup>b</sup>	4.5 ± 0.2 <sup>a</sup>	1.04 ± 0.07 <sup>e</sup>	1.7 ± 0.08 <sup>d</sup>	3.13 ± 0.2 <sup>c</sup>	3.7 ± 0.13 <sup>b</sup>
	MPTS	0.004 ± 0.001 <sup>c</sup>	0.006 ± 0.001 <sup>c</sup>	0.01 ± 0.001 <sup>c</sup>	0.011 ± 0.001 <sup>c</sup>	0.004 ± 0.0002 <sup>c</sup>	0.012 ± 0.001 <sup>c</sup>	0.092 ± 0.006 <sup>b</sup>	0.145 ± 0.02 <sup>a</sup>
	DPTS	0.061 ± 0.01 <sup>d</sup>	0.132 ± 0.005 <sup>d</sup>	0.16 ± 0.011 <sup>d</sup>	0.19 ± 0.01 <sup>d</sup>	0.023 ± 0.002 <sup>d</sup>	0.43 ± 0.03 <sup>c</sup>	3.9 ± 0.14 <sup>b</sup>	4.5 ± 0.1 <sup>a</sup>
	PPrTS	0.01 ± 0.001 <sup>c</sup>	0.012 ± 0.001 <sup>c</sup>	0.015 ± 0.001 <sup>c</sup>	0.016 ± 0.001 <sup>c</sup>	0.008 ± 0.001 <sup>c</sup>	0.12 ± 0.008 <sup>b</sup>	0.15 ± 0.008 <sup>a</sup>	0.16 ± 0.01 <sup>a</sup>

<sup>a,b,c</sup> Different letter within the same row differ significantly using Fisher's LSD post hoc test ( $p < 0.001$ ). \* Ratio to internal standard (0.1 ppm Fenchyl alcohol); Low PEF = 0.3 kV/cm, Med PEF = 0.7 kV/cm, High PEF = 1.2 kV/cm.

**Table S3.** Volatile compounds in control and PEF-treated samples of Yellow sweet Spanish onions (immediately after PEF and 24 h after PEF).

Cultivar	Compound	Mean ± SE <sub>±</sub>							
		T0				T24			
		Control	Low PEF	Medium PEF	High PEF	Control	Low PEF	Medium PEF	High PEF
Yellow sweet Spanish	Nonane	0.06 ± 0.003 <sup>cd</sup>	0.06 ± 0.004 <sup>bcd</sup>	0.06 ± 0.004 <sup>abc</sup>	0.067 ± 0.003 <sup>ab</sup>	0.062 ± 0.002 <sup>abc</sup>	0.07 ± 0.004 <sup>a</sup>	0.06 ± 0.002 <sup>abc</sup>	0.05 ± 0.002 <sup>d</sup>
	Decane	0.06 ± 0.002 <sup>cde</sup>	0.063 ± 0.003 <sup>bcd</sup>	0.064 ± 0.003 <sup>abc</sup>	0.07 ± 0.002 <sup>ab</sup>	0.062 ± 0.002 <sup>bcd</sup>	0.07 ± 0.002 <sup>a</sup>	0.06 ± 0.002 <sup>de</sup>	0.05 ± 0.002 <sup>e</sup>
	Undecane	0.004 ± 0.0002 <sup>d</sup>	0.004 ± 0.0001 <sup>cd</sup>	0.005 ± 0.0003 <sup>b</sup>	0.007 ± 0.0004 <sup>a</sup>	0.004 ± 0.0003 <sup>d</sup>	0.005 ± 0.0003 <sup>bc</sup>	0.005 ± 0.0003 <sup>bcd</sup>	0.004 ± 0.0002 <sup>cd</sup>
	PSO	0.02 ± 0.001 <sup>c</sup>	0.033 ± 0.003 <sup>b</sup>	0.04 ± 0.003 <sup>a</sup>	0.04 ± 0.003 <sup>a</sup>	0.019 ± 0.001 <sup>c</sup>	0.03 ± 0.002 <sup>b</sup>	0.03 ± 0.001 <sup>cd</sup>	0.032 ± 0.0024 <sup>b</sup>
	2M2P	0.037 ± 0.002 <sup>cd</sup>	0.062 ± 0.004 <sup>b</sup>	0.06 ± 0.005 <sup>b</sup>	0.08 ± 0.01 <sup>a</sup>	0.034 ± 0.004 <sup>cd</sup>	0.042 ± 0.005 <sup>c</sup>	0.03 ± 0.004 <sup>cd</sup>	0.03 ± 0.005 <sup>d</sup>
	DMT	0.18 ± 0.01 <sup>abc</sup>	0.2 ± 0.01 <sup>ab</sup>	0.22 ± 0.02 <sup>a</sup>	0.17 ± 0.024 <sup>bc</sup>	0.20 ± 0.023 <sup>bc</sup>	0.2 ± 0.01 <sup>bc</sup>	0.16 ± 0.02 <sup>bc</sup>	0.15 ± 0.01 <sup>c</sup>
	DPDS	2.68 ± 0.5 <sup>d</sup>	4.93 ± 0.22 <sup>d</sup>	5.83 ± 0.3 <sup>d</sup>	4.2 ± 0.3 <sup>d</sup>	3.11 ± 0.2 <sup>d</sup>	30.5 ± 1.4 <sup>b</sup>	33.3 ± 1.1 <sup>a</sup>	27.7 ± 1.14 <sup>c</sup>
	MPDS	0.01 ± 0.002 <sup>d</sup>	0.13 ± 0.03 <sup>c</sup>	0.16 ± 0.012 <sup>c</sup>	0.08 ± 0.014 <sup>cd</sup>	0.014 ± 0.003 <sup>d</sup>	0.32 ± 0.04 <sup>b</sup>	0.56 ± 0.06 <sup>a</sup>	0.4 ± 0.04 <sup>b</sup>
	MPrDS	0.02 ± 0.002 <sup>c</sup>	0.023 ± 0.002 <sup>bc</sup>	0.03 ± 0.002 <sup>b</sup>	0.021 ± 0.001 <sup>c</sup>	0.02 ± 0.003 <sup>c</sup>	0.03 ± 0.002 <sup>b</sup>	0.04 ± 0.003 <sup>a</sup>	0.03 ± 0.001 <sup>b</sup>
	PrPTS	0.02 ± 0.004 <sup>c</sup>	0.058 ± 0.004 <sup>c</sup>	0.08 ± 0.003 <sup>c</sup>	0.05 ± 0.003 <sup>c</sup>	0.02 ± 0.002 <sup>c</sup>	0.4 ± 0.02 <sup>b</sup>	0.51 ± 0.046 <sup>a</sup>	0.34 ± 0.04 <sup>b</sup>
	PPrDS	1.9 ± 0.2 <sup>e</sup>	3.2 ± 0.3 <sup>d</sup>	3.4 ± 0.19 <sup>cd</sup>	2.74 ± 0.2 <sup>d</sup>	1.94 ± 0.13 <sup>e</sup>	3.9 ± 0.25 <sup>bc</sup>	4.93 ± 0.3 <sup>a</sup>	4.41 ± 0.4 <sup>ab</sup>
	MPTS	0.003 ± 0.0003 <sup>d</sup>	0.006 ± 0.0003 <sup>d</sup>	0.006 ± 0.001 <sup>d</sup>	0.034 ± 0.0003 <sup>d</sup>	0.003 ± 0.0003 <sup>d</sup>	0.03 ± 0.003 <sup>c</sup>	0.08 ± 0.007 <sup>a</sup>	0.05 ± 0.005 <sup>b</sup>
	DPTS	0.08 ± 0.013 <sup>c</sup>	0.3 ± 0.03 <sup>c</sup>	0.37 ± 0.04 <sup>c</sup>	0.26 ± 0.04 <sup>c</sup>	0.09 ± 0.01 <sup>c</sup>	6.3 ± 0.4 <sup>a</sup>	6.62 ± 0.25 <sup>a</sup>	5.13 ± 0.44 <sup>b</sup>
	PPrTS	0.013 ± 0.0013 <sup>c</sup>	0.018 ± 0.0012 <sup>c</sup>	0.025 ± 0.002 <sup>c</sup>	0.018 ± 0.003 <sup>c</sup>	0.012 ± 0.001 <sup>c</sup>	0.17 ± 0.03 <sup>b</sup>	0.27 ± 0.03 <sup>a</sup>	0.19 ± 0.02 <sup>b</sup>

<sup>a,b,c</sup> Different letter within the same row differ significantly using Fisher's LSD post hoc test ( $p < 0.001$ ).

\* Ratio to internal standard (0.1 ppm Fenethyl alcohol).

‡ Low PEF = 0.3 kV/cm, Med PEF = 0.7 kV/cm, High PEF = 1.2 kV/cm.

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The explanation of \* symbol is explain in the footnote

**Table S4.** Results of ANOVA representing the volatile compounds in onion varieties upon PEF treatment.

Volatile compounds	Treatment	Timepoint	Treatment *Timepoint	Treatment	Timepoint	Treatment *Timepoint	Treatment	Timepoint	Treatment *Timepoint
	Ishikura			Red Bunching			Yellow Sweet Spanish bulbs		
Nonane	F = 2.5 <i>p</i> = 0.072	F = 26.4 <i>p</i> < 0.001	F = 9.9 <i>p</i> < 0.001	F = 3.5 <i>p</i> = 0.02	F = 6.1 <i>p</i> = 0.02	F = 6.5 <i>p</i> = 0.001	F = 1.9 <i>p</i> = 0.13	F = 0.1 <i>p</i> = 0.87	F = 6.4 <i>p</i> = 0.001
Decane	F = 2.4 <i>p</i> = 0.076	F = 27.7 <i>p</i> < 0.001	F = 8.3 <i>p</i> < 0.001	F = 0.7 <i>p</i> = 0.56	F = 0.2 <i>p</i> = 0.64	F = 1.2 <i>p</i> = 0.32	F = 4.1 <i>p</i> = 0.01	F = 2.7 <i>p</i> = 0.103	F = 10.1 <i>p</i> < 0.001
Undecane	F = 2.8 <i>p</i> = 0.055	F = 27.5 <i>p</i> < 0.001	F = 9.1 <i>p</i> < 0.001	F = 0.5 <i>p</i> = 0.61	F = 2.1 <i>p</i> = 0.16	F = 1.1 <i>p</i> = 0.4	F = 10.5 <i>p</i> < 0.001	F = 6.8 <i>p</i> = 0.012	F = 10.8 <i>p</i> < 0.001
2-Methyl-2-pentenal	F = 8.1 <i>p</i> < 0.001	F = 68.7 <i>p</i> < 0.001	F = 27.3 <i>p</i> < 0.001	F = 0.1 <i>p</i> = 0.94	F = 27.4 <i>p</i> < 0.001	F = 8.6 <i>p</i> = 0.001	F = 4.2 <i>p</i> = 0.01	F = 54.8 <i>p</i> < 0.001	F = 8.3 <i>p</i> < 0.001
Dimethyl thiophene	F = 0.4 <i>p</i> = 0.78	F = 0.3 <i>p</i> = 0.61	F = 1.7 <i>p</i> = 0.18	F = 4.2 <i>p</i> = 0.01	F = 0.9 <i>p</i> = 0.34	F = 0.5 <i>p</i> = 0.65	F = 1.3 <i>p</i> = 0.27	F = 6.8 <i>p</i> = 0.012	F = 1.5 <i>p</i> = 0.23
Propanethial S-oxide	F = 8.5 <i>p</i> < 0.001	F = 12.9 <i>p</i> < 0.001	F = 5.4 <i>p</i> = 0.003	F = 5.2 <i>p</i> = 0.003	F = 15.9 <i>p</i> < 0.001	F = 6.6 <i>p</i> < 0.001	F = 30.9 <i>p</i> < 0.001	F = 19.9 <i>p</i> < 0.001	F = 3.6 <i>p</i> = 0.02
Dipropyl disulfide	F = 298.9 <i>p</i> < 0.001	F = 1451.4 <i>p</i> < 0.001	F = 179.6 <i>p</i> < 0.001	F = 32.5 <i>p</i> < 0.001	F = 89.2 <i>p</i> < 0.001	F = 9.7 <i>p</i> < 0.001	F = 167.2 <i>p</i> < 0.001	F = 1236.2 <i>p</i> < 0.001	F = 133.4 <i>p</i> < 0.001
Methyl propyl disulfide	F = 414.8 <i>p</i> < 0.001	F = 723.0 <i>p</i> < 0.001	F = 229.3 <i>p</i> < 0.001	F = 43.4 <i>p</i> < 0.001	F = 56.9 <i>p</i> < 0.001	F = 17.3 <i>p</i> < 0.001	F = 51.9 <i>p</i> < 0.001	F = 128.5 <i>p</i> < 0.001	F = 18.3 <i>p</i> < 0.001
Methyl propenyl disulfide	F = 5.2 <i>p</i> = 0.003	F = 0.2 <i>p</i> = 0.68	F = 0.01 <i>p</i> = 0.99	F = 13.9 <i>p</i> < 0.001	F = 17.1 <i>p</i> < 0.001	F = 1.7 <i>p</i> = 0.18	F = 14.3 <i>p</i> < 0.001	F = 11.4 <i>p</i> < 0.001	F = 1.6 <i>p</i> = 0.21
Propenyl propyl thiosulfinate	F = 290.9 <i>p</i> < 0.001	F = 558.3 <i>p</i> < 0.001	F = 156.9 <i>p</i> < 0.001	F = 40.3 <i>p</i> < 0.001	F = 84.3 <i>p</i> < 0.001	F = 15.9 <i>p</i> < 0.001	F = 50.9 <i>p</i> < 0.001	F = 269.2 <i>p</i> < 0.001	F = 32.5 <i>p</i> < 0.001
Propenyl propyl disulfide	F = 147.5 <i>p</i> < 0.001	F = 74.2 <i>p</i> < 0.001	F = 11.4 <i>p</i> < 0.001	F = 94.8 <i>p</i> < 0.001	F = 5.6 <i>p</i> = 0.02	F = 1.5 <i>p</i> = 0.22	F = 30. <i>p</i> < 0.001	F = 31.8 <i>p</i> < 0.001	F = 4.6 <i>p</i> = 0.006
Dipropyl trisulfide	F = 761.3 <i>p</i> < 0.001	F = 2355.4 <i>p</i> < 0.001	F = 700.8 <i>p</i> < 0.001	F = 29.2 <i>p</i> < 0.001	F = 142.3 <i>p</i> < 0.001	F = 21.3 <i>p</i> < 0.001	F = 105.2 <i>p</i> < 0.001	F = 774.4 <i>p</i> < 0.001	F = 89.5 <i>p</i> < 0.001
Methyl propyl trisulfide	F = 61.9 <i>p</i> < 0.001	F = 151.6 <i>p</i> < 0.001	F = 51.5 <i>p</i> < 0.001	F = 57.6 <i>p</i> < 0.001	F = 238.6 <i>p</i> < 0.001	F = 44.1 <i>p</i> < 0.001	F = 47.3 <i>p</i> < 0.001	F = 240.2 <i>p</i> < 0.001	F = 42.5 <i>p</i> < 0.001

Commented [t3]: Please explain the symbol \* in the footnote.

Volatile compounds	Treatment	Timepoint	Treatment *Timepoint	Treatment	Timepoint	Treatment *Timepoint	Treatment	Timepoint	Treatment *Timepoint
	Ishikura			Red Bunching			Yellow Sweet Spanish bulbs		
Propenyl propyl trisulfide	F = 78.1 <i>p</i> < 0.001	F = 548.3 <i>p</i> < 0.001	F = 64.9 <i>p</i> < 0.001	F = 22.3 <i>p</i> < 0.001	F = 119.8 <i>p</i> < 0.001	F = 16.9 <i>p</i> < 0.001	F = 24.9 <i>p</i> < 0.001	F = 152.9 <i>p</i> < 0.001	F = 20.9 <i>p</i> < 0.001

\* Indicates the two-way ANOVA interaction between treatment and time point.

**Commented [t3]:** Please explain the symbol \* in the footnote.

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