Figure S1. Average daily **(a)** rainfall and **(b)** maximum (●–●) and minimum (○–○) temperature at Bundaberg (24°53′55″ S 152°19′20″ E), Australia, for each week of the study period. Arrows show the start, mid and end dates of the study period.

Table S1. Mineral nutrient concentrations* in flowers and leaves at 0, 6, 10 and 28 weeks after peak anthesis of Hass avocado trees treated with 0, 15 or 30 g boron per tree prior to flowering

Sample and time	Nutrient	Boron application (g/tree)		
		0	**15**	**30**
Flowers at peak anthesis	Nitrogen (N)	2.87 ± 0.06 a	2.97 ± 0.08 a	3.01 ± 0.05 a
	Phosphorus (P)	0.35 ± 0.01 a	0.36 ± 0.02 a	0.34 ± 0.01 a
	Potassium (K)	1.37 ± 0.03 a	1.43 ± 0.02 a	1.41 ± 0.04 a
	Aluminium (Al)	68.3 ± 4.8 a	76.6 ± 6.9 a	70.2 ± 6.8 a
	Calcium (Ca)	2969 ± 145 a	3153 ± 270 a	2903 ± 126 a
	Copper (Cu)	17.7 ± 0.9 a	18.5 ± 1.2 a	17.6 ± 0.7 a
	Iron (Fe)	112 ± 6 a	128 ± 12 a	112 ± 8 a
	Magnesium (Mg)	1565 ± 55 a	1668 ± 154 a	1523 ± 39 a
	Manganese (Mn)	255 ± 23 a	263 ± 17 a	256 ± 21 a
	Sodium (Na)	73.6 ± 8.3 a	98.9 ± 15.9 a	80.7 ± 10.3 a
	Sulphur (S)	2251 ± 59 a	2301 ± 80 a	2294 ± 89 a
	Zinc (Zn)	50.8 ± 0.8 a	51.8 ± 4.0 a	50.6 ± 2.4 a
Leaves at peak anthesis	Nitrogen (N)	2.51 ± 0.06 a	2.51 ± 0.07 a	2.57 ± 0.08 a
	Phosphorus (P)	0.15 ± 0.01 a	0.14 ± 0.00 a	0.15 ± 0.01 a
	Potassium (K)	0.84 ± 0.05 a	0.76 ± 0.05 a	0.76 ± 0.03 a
	Aluminium (Al)	134.1 ± 8.5 a	131.7 ± 4.9 a	136.6 ± 10.3 a
	Calcium (Ca)	16034 ± 452 a	16612 ± 982 a	16643 ± 858 a
	Copper (Cu)	14.2 ± 1.0 a	15.3 ± 1.6 a	13.7 ± 0.5 a
	Iron (Fe)	175 ± 13 a	173 ± 13 a	161 ± 8 a
	Magnesium (Mg)	4829 ± 201 a	4743 ± 231 a	4531 ± 91 a
	Manganese (Mn)	1823 ± 152 a	1986 ± 79 a	1970 ± 124 a
	Sodium (Na)	96.4 ± 5.7 a	92.2 ± 4.3 a	97.2 ± 5.9 a
	Sulphur (S)	2593 ± 180 a	2633 ± 120 a	2563 ± 139 a
	Zinc (Zn)	37.0 ± 1.4 ab	38.4 ± 1.0 a	35.2 ± 1.1 b

Table S1. *Cont*.

Sample and time	Nutrient	Boron application (g/tree)		
		0	**15**	**30**
Leaves at 6 weeks after peak anthesis	Nitrogen (N)	2.57 ± 0.04 a	2.70 ± 0.08 a	2.69 ± 0.06 a
	Phosphorus (P)	0.23 ± 0.01 a	0.24 ± 0.01 a	0.24 ± 0.01 a
	Potassium (K)	1.31 ± 0.04 a	1.34 ± 0.05 a	1.29 ± 0.05 a
	Aluminium (Al)	31.5 ± 3.1 a	29.5 ± 1.7 a	26.2 ± 1.5 b
	Calcium (Ca)	8211 ± 688 a	7046 ± 490 ab	6861 ± 387 b
	Copper (Cu)	12.4 ± 0.6 b	12.1 ± 0.5 b	13.1 ± 0.3 a
	Iron (Fe)	74.7 ± 6.0 b	96.8 ± 16.7 a	95.0 ± 17.2 ab
	Magnesium (Mg)	2467 ± 233 a	2232 ± 120 a	2274 ± 126 a
	Manganese (Mn)	670 ± 63 a	653 ± 49 a	648 ± 58 a
	Sodium (Na)	140 ± 7 b	173 ± 17 a	149 ± 12 ab
	Sulphur (S)	2560 ± 139 a	2678 ± 104 a	2496 ± 118 a
	Zinc (Zn)	50.8 ± 1.7 a	51.1 ± 0.8 a	52.9 ± 1.3 a
Leaves at 10 weeks after peak anthesis	Nitrogen (N)	2.67 ± 0.05 b	2.83 ± 0.09 a	2.82 ± 0.09 a
	Phosphorus (P)	0.22 ± 0.01 a	0.24 ± 0.01 a	0.23 ± 0.01
	Potassium (K)	1.05 ± 0.08 ab	1.11 ± 0.07 a	0.98 ± 0.05 b
	Aluminium (Al)	24.3 ± 2.7 a	20.4 ± 1.6 a	21.0 ± 1.8 a
	Calcium (Ca)	6983 ± 649 a	5445 ± 668 a	6488 ± 783 a
	Copper (Cu)	96.5 ± 8.2 a	90.3 ± 8.3 a	93.1 ± 11.2 a
	Iron (Fe)	64.4 ± 5.9 a	62.5 ± 4.7 a	59.6 ± 3.1 a
	Magnesium (Mg)	2236 ± 91 a	2174 ± 148 a	2157 ± 140 a
	Manganese (Mn)	676 ± 80 a	651 ± 74 a	728 ± 95 a
	Sodium (Na)	81.3 ± 5.5 a	80.0 ± 13.2 a	76.3 ± 9.3 a
	Sulphur (S)	2335 ± 145 a	2363 ± 121 a	2323 ± 164 a
	Zinc (Zn)	34.6 ± 1.3 a	36.8 ± 1.7 a	37.2 ± 2.5 a

Table S1. *Cont*.

Sample and time	Nutrient	Boron application (g/tree)		
		0	**15**	**30**
Leaves at 28 weeks after peak anthesis	Nitrogen (N)	2.10 ± 0.06 a	2.16 ± 0.06 a	2.02 ± 0.08 a
	Phosphorus (P)	0.20 ± 0.01 a	0.21 ± 0.01 a	0.20 ± 0.01 a
	Potassium (K)	0.94 ± 0.05 a	0.93 ± 0.03 a	0.97 ± 0.03 a
	Aluminium (Al)	28.8 ± 2.5 a	31.9 ± 3.0 a	30.2 ± 2.5 a
	Calcium (Ca)	7046 ± 562 a	6638 ± 547 a	7071 ± 577 a
	Copper (Cu)	95.8 ± 4.5 a	98.7 ± 5.3 a	98.0 ± 7.3 a
	Iron (Fe)	58.2 ± 2.5 b	67.5 ± 3.9 a	59.6 ± 3.4 b
	Magnesium (Mg)	2151 ± 111 a	2124 ± 135 a	2104 ± 126 a
	Manganese (Mn)	484 ± 56 a	579 ± 66 a	562 ± 58 a
	Sodium (Na)	121 ± 16 ab	158 ± 27 a	109 ± 8 b
	Sulphur (S)	1986 ± 105 b	2280 ± 112 a	2014 ± 179 b
	Zinc (Zn)	33.5 ± 1.4 ab	35.6 ± 0.7 a	32.6 ± 1.5 b

*Nutrient concentrations are expressed in mg/100 g fresh mass except that N, P and K concentrations are expressed as %. Means ± SE within a row with different letters are significantly different (generalised linear models; $p<0.05$; n=10 trees)