

**YIELD AND FRUIT QUALITY RESULTS FROM CANOPY – CROP LOAD STUDY: PLUM ‘ANGELENO’**

Table 4 presents production results (yield, fruit quality) for plum ‘Angeleno’ under crop load treatments (high, medium, low) for Vase and Tatura Trellis canopy systems for seasons 2016/17, 2017/18, 2018/19, 2019/20 and 2020/21, respectively at Tatura, Victoria, Australia.

Table 4. Production parameters in response to crop load treatments (Low, Medium, High) of ‘Angeleno’ plum under two canopy architectures (Tatura Trellis, Vase) during seasons 2016/17, 2017/18, 2018/19, 2019/20 and 2020/21 (season 1 – 5).

<b>Crop load</b>	<b>Fruit number (#/tree)</b>	<b>Fruit weight (g)</b>	<b>Yield (kg/tree)</b>	<b>Sweetness (°Brix)</b>	<b>Maturity (I<sub>AD</sub>)</b>	<b>Firmness (kgf)</b>	<b>Skin colour (% red)</b>	<b>Premium grade (%)</b>
<i>Season 1: Vase</i>								
Low	53	80 b	4.2	17.2	1.3	3.0	10	71
Medium	75	78 b	5.9	17.5	1.3	3.0	11	65
High	93	73 a	6.8	17.3	1.3	3.0	13	60
ANOVA	ns	*	ns	ns	ns	ns	ns	ns
<i>Season 1: Tatura Trellis</i>								
Low	177 a	66 b	11.7 c	18.8	1.1 b	3.0 b	8 a	38 c
Medium	260 b	62 b	16.1 b	18.4	1.1 b	3.1 ab	10 a	26 b
High	423 c	51 a	21.6 a	18.2	1.2 a	3.0 a	17 b	10 a
ANOVA	***	***	***	ns	*	*	***	***
<i>Season 2: Vase</i>								
Low	61 a	71	4.2 a	19.6	1.3	4.7	4	53
Medium	79 b	72	5.6 b	19.6	1.3	4.8	4	55
High	108 c	70	7.4 c	19.3	1.3	4.7	4	51
ANOVA	***	ns	***	ns	ns	ns	ns	ns
<i>Season 2: Tatura Trellis</i>								
Low	146 a	69 b	9.8 a	21.1 b	1.1 b	4.0 c	5 ab	45 b
Medium	160 a	71 b	11.2 a	21.0 b	1.1 b	3.8 b	4 a	50 b
High	267 b	65 a	16.6 b	20.6 a	1.1 a	3.7 a	5 b	33 a
ANOVA	***	***	***	***	*	***	*	***
<i>Season 3: Vase</i>								
Low	107 a	56	6.0 a	21.3 b	1.4	3.7 b	13 a	4 a
Medium	177 b	56	9.9 b	20.9 b	1.4	3.6 b	13 a	6 ab
High	288 c	53	15.2 c	20.2 a	1.4	3.4 a	16 b	9 b
ANOVA	***	ns	***	***	ns	***	*	**
<i>Season 3: Tatura Trellis</i>								
Low	146 a	42 b	6.1 a	21.8 c	1.5 a	3.8 c	22 a	1
Medium	186 b	41 b	7.6 b	21.5 b	1.5 b	3.7 b	23 a	1
High	302 c	37 a	11.1 c	21.0 a	1.5 b	3.5 a	29 b	1
ANOVA	***	***	***	***	**	***	*	ns
<i>Season 4: Vase</i>								
Low	87 a	66	5.7 a	19.1 b	1.2 b	3.1	4 a	0
Medium	138 b	65	8.8 b	18.8 a	1.1 a	3.1	5 b	0
High	127 b	65	8.1 b	18.7 a	1.1 a	3.1	4 ab	0
ANOVA	***	ns	***	*	***	ns	*	ns
<i>Season 4: Tatura Trellis</i>								

Low	96	50	4.8	21.1 b	1.1 b	3.6	10 b	0
Medium	100	51	5.0	21.1 b	1.1 b	3.6	10 b	0
High	102	51	5.1	20.8 a	1.1 a	3.5	8 a	0
ANOVA	ns	ns	ns	***	***	ns	***	ns
<i>Season 5: Vase</i>								
Low	73 a	76	5.5	21.7	0.9	3.6	7	62
Medium	99 ab	75	7.4	21.4	0.9	3.6	6	62
High	111 b	75	8.1	21.4	0.9	3.6	5	61
ANOVA	*	ns	ns	ns	ns	ns	ns	ns
<i>Season 5: Tatura Trellis</i>								
Low	231 a	61 b	13.9 a	22.2 b	1.0 a	3.6 b	16	26 b
Medium	181 a	63 b	11.2 a	22.4 b	1.0 a	3.7 b	17	31 b
High	528 b	49 a	25.3 b	21.4 a	1.1 b	3.4 a	16	7 a
ANOVA	***	***	***	**	***	***	ns	***

ns, \*, \*\* and \*\*\* indicate non-significant or significant differences at  $P < 0.05$ , 0.01 or 0.001, respectively, for the two-way interaction crop load treatments.