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Accessory Publication Table 1. Comparison of linear mixed effect models for yield of Valencia orange trees

The response variable was the annual yield of each plot. Log(L) is the log-likelihood and K is the number of parameters in each model. AICc is the Akaike Information Criterion for small sample size, and Delta AICc shows the difference between the model AICc and the lowest AICc for the model set. AICc weights are the relative likelihood of each model: the bigger the Delta AICc, the smaller the weight and the less plausible the model.

Model	Log (L)	K	AICc	Delta AICc	AICc weight
Spacing + Salt	–934.63	6	1881.61	0.00	0.466
Spacing + Salt + Duration + salt x Duration	–931.09	10	1883.10	1.49	0.221
Salt	–936.75	5	1883.74	2.13	0.160
Salt + Duration + Salt x Duration	–933.29	9	1885.32	3.72	0.073
Spacing + Salt + Spacing x Salt	–933.55	9	1885.84	4.23	0.056
Spacing + Salt + Duration + Salt x Duration + Spacing x Salt	–930.04	13	1887.62	6.01	0.023
Spacing	–944.00	3	1894.09	12.49	0.001
Null	–945.97	2	1895.99	14.38	0.000

Accessory Publication Table 2. Model weighted averaged coefficients and associated standard errors for six response variables

All models receiving AIC weights >10% were used in deriving the weighted averages. The intercept indicates the yield for double-planted trees receiving salt Tr0 in Year 0. 'spacingSP' refers to single-planted trees, and Duration is duration of salt treatment in years. Salt treatment was treated as a categorical variable, with Tr0 the river water control. Trunk diameter increment was square-root transformed. Coefficients are shown as '0' where no models containing that term received >10% support

	Yield (t/ha)		Fruit number (,000 ha^{-1})		Fruit weight (kg/fruit)		Juice (%)		Sugar (°Brix)		sqrt diameter increment (cm)	
	coeff.	s.e.	coeff.	s.e.	coeff.	s.e.	coeff.	s.e.	coeff.	s.e.	coeff.	s.e.
Intercept	51.33	7.77	308.6	44.9	0.1736	0.0081	52.88	1.82	10.09	0.14	0.538	0.079
spacingSP	–2.13	1.04	–9.0	5.5	–0.0004	0.0006	–0.03	0.31	0.55	0.12	0.099	0.021
salt Tr1	1.97	2.13	22.4	12.2	–0.0074	0.0027	–0.23	0.90	0.60	0.15	–0.067	0.037
salt Tr 2	5.01	2.06	36.8	12.1	–0.0071	0.0026	0.82	0.85	0.52	0.13	–0.120	0.034
salt Tr 3	–1.29	2.11	–2.8	12.1	–0.0074	0.0026	1.19	0.88	0.63	0.13	–0.101	0.034
Duration	0.11	0.60	0		0		–0.76	0.32	0		–0.004	0.011
salt Tr 1 x Duration	–0.06	0.16	0		0		–0.02	0.14	0		–0.013	0.007
salt Tr 2 x Duration	–0.26	0.16	0		0		–0.32	0.13	0		–0.012	0.006
salt Tr 3 x Duration	–0.36	0.16	0		0		–0.19	0.14	0		–0.015	0.006
spacingSP x salt Tr 1	0		0		0		0.40	0.38	–0.25	0.11	0.010	0.020
spacingSP x salt Tr 2	0		0		0		0.39	0.41	–0.06	0.12	0.009	0.041
spacingSP x salt Tr 3	0		0		0		–0.65	0.38	–0.13	0.11	–0.059	0.038