

Supplementary Table 1 Effect of altitudinal variation on growing degree days for petal unfolding and Full Bloom phenophases of kiwifruit cultivars at different locations

Phenophases	GDD (°C GDD)*											
	Petal unfolding						Full bloom					
	Hayward			Allison			Hayward			Allison		
Altitude (m amsl)	2020	2021	Mean	2020	2021	Mean	2020	2021	Mean	2020	2021	Mean
A ₁ -1090	53.60	55.00	54.30	52.80	54.00	53.40	48.00	48.75	48.38	42.30	45.50	43.90
A ₂ -1275	43.20	45.50	44.35	50.50	51.30	50.90	34.00	48.90	41.45	37.50	40.30	38.90
A ₃ -1425	40.50	43.50	42.00	45.50	48.30	46.90	29.50	33.50	31.50	33.50	39.30	36.40
A ₄ -1543	37.40	40.50	38.95	41.20	45.50	43.35	25.60	27.00	26.30	30.60	35.60	33.10
A ₅ -1924	35.20	45.40	40.30	36.00	43.80	39.90	22.70	23.50	23.10	22.70	34.80	28.75
Mean	41.98	45.98	43.98	45.20	48.58	46.89	31.96	36.33	34.15	33.32	39.10	36.21
CD _{0.05}												
Altitude	1.63			1.89			1.02			1.39		
Year	1.03			1.20			0.64			0.88		
Interaction	2.31			2.68			1.44			1.97		

A₁, Bajaura; A₂, Nauni; A₃, Kandaghat; A₄, Seobagh; A₅, Phagli.

Supplementary Table 2 Effect of altitudinal variation on growing degree days for harvest maturity phenophases and accumulated growing degree days of kiwifruit

Phenophases	GDD (°C GDD)*											
	Harvest maturity						Accumulated growing degree days					
	Hayward			Allison			Hayward			Allison		
Altitude (m amsl)	2020	2021	Mean	2020	2021	Mean	2020	2021	Mean	2020	2021	Mean
A ₁ -1090	2370.00	2402.30	2386.15	2290.00	2377.00	2333.50	2832.40	2891.15	2861.78	2736.80	2847.10	2791.95
A ₂ -1275	2335.50	2398.10	2366.80	2280.00	2322.70	2301.35	2748.50	2852.90	2800.70	2695.60	2765.10	2730.35
A ₃ -1425	2280.00	2320.00	2300.00	2265.00	2278.00	2271.50	2669.00	2735.00	2702.00	2657.50	2704.30	2680.90
A ₄ -1543	2266.00	2280.00	2273.00	2243.00	2258.00	2250.50	2625.30	2661.10	2643.20	2603.90	2637.80	2620.85
A ₅ -1924	1790.00	1798.00	1794.00	1749.00	1774.80	1761.90	2116.80	2164.20	2140.50	2060.80	2127.50	2094.15
Mean	2208.30	2239.68	2223.99	2165.40	2202.10	2183.75	2598.40	2660.87	2629.64	2550.92	2616.36	2583.64
CD _{0.05}												
Altitude	61.46			65.85			65.26			66.39		
Year	38.87			41.64			41.27			41.99		
Interaction	86.91			93.13			92.29			93.89		

*GDD (growing degree days) estimation w.e.f. 1st January to harvest maturity phenophase. A₁, Bajaura; A₂, Nauni; A₃, Kandaghat; A₄, Seobagh; A₅, Phagli.