

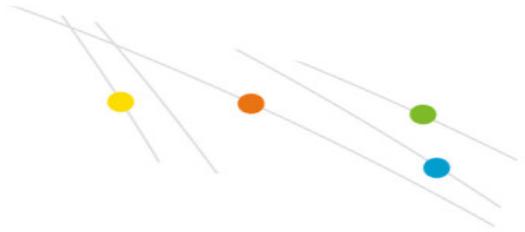


Strawberry phenological phases and their nutrition requirements

Recommended N-P-K-Ca-Mg ratios, applied by fertigation via drip irrigation, across main growth stages of field-grown strawberries, with a life span of 210 days, and an expected yield of 25-30 MT/ha.

Days after transplanting & phenological stage	N:P ₂ O ₅ :K ₂ O:CaO:MgO				Reasoning
0 - 70 establishment & vegetative growth	N	1	P ₂ O ₅	0,58	Relatively high requirement for all nutrients, for establishing root system and building shoot biomass
	K ₂ O	1,3	CaO	1,13	
	MgO	1,05			
71 - 75 1° wave: flowering & fruit-set	N	1	P ₂ O ₅	0,30	Lower P because root system is already established; high K demand for fruit formation; continuous demand for Ca, and Mg for vegetative organs
	K ₂ O	0,91	CaO	1,04	
	MgO	0,55			
76 - 119 1° wave: fruit growth	N	1	P ₂ O ₅	0,28	High K requirement for K, which is required for bulking up of the bulbs, and for P as a preparation for future seeds production
	K ₂ O	0,84	CaO	1,0	
	MgO	0,51			
120 - 165 2° wave: fruit-set & fruit growth	N	1	P ₂ O ₅	0,28	Higher P requirement, now for seed production; high K demand for fruit formation and its bulking up; continuous demand for Ca and Mg for vegetative organs
	K ₂ O	0,84	CaO	1,0	
	MgO	0,51			
166 - 210 4° wave's: fruit-set & fruit growth	N	1	P ₂ O ₅	0,40	
	K ₂ O	1,05	CaO	1,4	
	MgO	0,78			
Total application range kg/ha	N	142	P₂O₅	100	
	K₂O	260	CaO	95	
	MgO	72			

Potassium nitrate should be used as the primary source of potassium, and a partial source of nitrogen. The balance of nitrogen should be sourced from calcium nitrate, magnesium nitrate and ammonium nitrate, as per the above-mentioned phase-specific rates.



-STRAWBERRY

Floral bud

Flowering

Fructification

Maturity

