



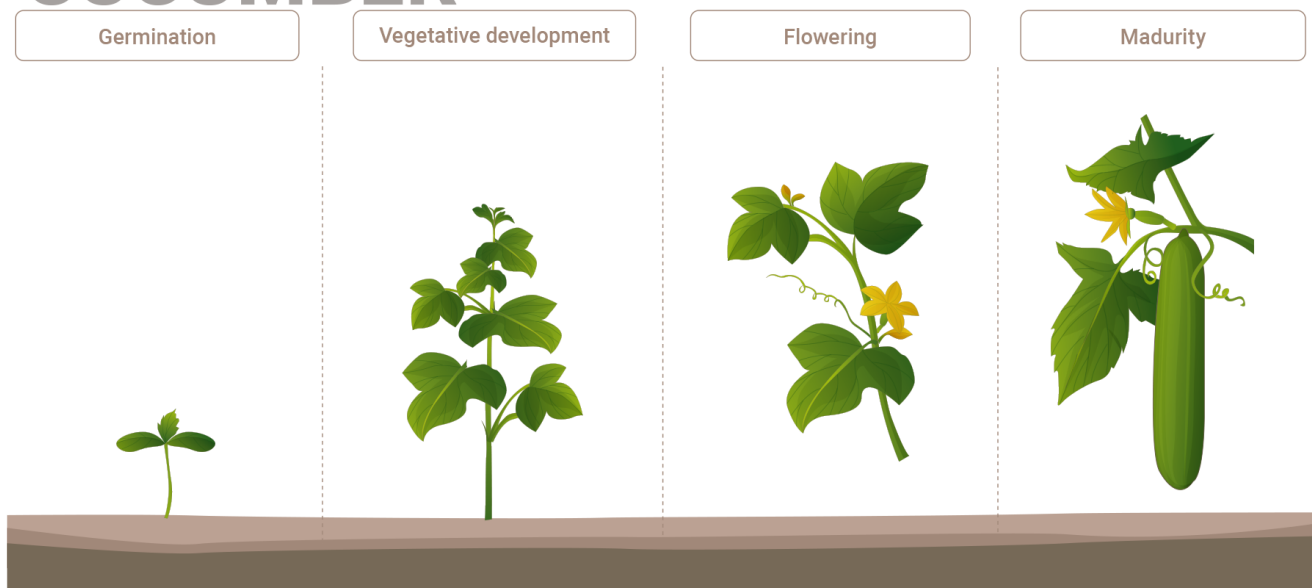
Cucumber phenological phases and their nutrition requirements

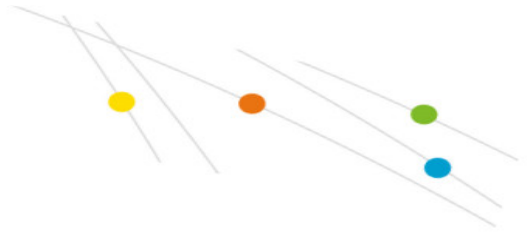
Recommendations for mineral nutrition by micro-irrigation and fertigation, of open-field- grown cucumbers, at yield level of 40-50 MT/ha

Development stage	Physical application rates (kg/ha)				Proportional application rates			
Base dressing	N	60	P ₂ O ₅	160	N	1	P ₂ O ₅	2,67
	K ₂ O	200	CaO	60	K ₂ O	3,3	CaO	1,0
	MgO	50			MgO	0,83		
Transplanting - Flowering	N	40	P ₂ O ₅	10	N	1	P ₂ O ₅	0,25
	K ₂ O	60	CaO	30	K ₂ O	1,5	CaO	0,75
	MgO	10			MgO	0,25		
Flowering to fruit-set	N	70	P ₂ O ₅	20	N	1	P ₂ O ₅	0,29
	K ₂ O	140	CaO	40	K ₂ O	2,0	CaO	0,57
	MgO	40			MgO	0,57		
Fruit set to harvest	N	80	P ₂ O ₅	20	N	1	P ₂ O ₅	0,25
	K ₂ O	200	CaO	50	K ₂ O	2,5	CaO	0,63
	MgO	30			MgO	0,38		
Total uptake rate (kg/ha)	N	142	P₂O₅	210	N	1	P₂O₅	0,84
	K₂O	260	CaO	180	K₂O	2,4	CaO	0,72
	MgO	72			MgO	0,52		

Recommendations for mineral nutrition by micro-irrigation and fertigation, of protected (tunnel/greenhouse) soilless- grown cucumbers, at yield level of 200-250 MT/ha

-CUCUMBER





* 80-90% as NO_3^- , 10-20% as NH_4^+

** Final concentrations, including the original Ca and Mg contents of the irrigation water.