



Pioneering The Future

Fertilization of lettuce: Our recommended fertilizers

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Using Haifa's fertilizers and following the fertigation program help increase the lettuce yield

Growing medium: soil.

Plant population: 40,000-65,000 plants/Ha.

Expected yield: 30-34 Ton/ha.

Recommended total rates of nutrients (Kg/Ha)

N	P ₂ O ₅	K ₂ O
130-150	40-50	200-260

Fertigation (Kg/Ha/day)

Growth Stage	Nutrient demand			Recommended fertilizers		
	N	P ₂ O ₅	K ₂ O	Multi-K	MAP	AN
Emergence to day 15	0.5	0.4	0.9	2.4	0.65	0.3
From day 16 to day 30	1.0	0.6	1.8	3.9	1.0	1.1
From day 31 to day 45	2.0	0.8	3.6	7.8	1.3	2.4
From day 46 to day 65	0.5	0.2	1.0	2.2	0.3	0.5

Macro elements removed by 1 ton marketable product

N	P	K	Ca	Mg	S
-----Kg / ton-----					
1.5-2.5	0.2-0.4	2-4	1.0	0.4	0.6

Approximate nitrogen requirement

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Crop	Growth stage	N lbs/acre/week		N Kg /ha/week	
		low	high	low	high
Lettuce	early growth	5	10	5.6	11.2
	cupping	10	20	11.2	22.4
	head filling	15	30	16.8	33.6

Source: Blaine Hansen, 1996. Fertilizing Row Crops With Drip Irrigation Nov/Dec.
Irrigation Journal