

# Lime Application Recommendations



Soil Type	Sands				Light Loams				Medium, Clays Deep Silty			
Lime Factor -	6.0		4.5		7.0		5		8.0		6	
Target pH -	6.5		6.5		6.5		6.5		6.5		6.5	
Product Rate	Lime t/ha	Calcifert kg/ha	Lime t/ha	Calcifert kg/ha	Lime t/ha	Calcifert kg/ha	Lime t/ha	Calcifert kg/ha	Lime t/ha	Calcifert kg/ha	Lime t/ha	Calcifert kg/ha
Field pH	Arable		Grass		Arable		Grass		Arable		Grass	
6.5	0.0	0			0.00	0			0.00	0		
6.4	0.6	60	0.45	45	0.70	75	0.50	55	0.80	100	0.60	75
6.3	1.2	120	0.90	90	1.40	150	1.00	110	1.60	200	1.20	150
6.2	1.8	180	1.35	135	2.10	225	1.50	165	2.40	300	1.80	225
6.1	2.4	240	1.80	180	2.80	300	2.00	220	3.20	400	2.40	300
6	3.0	300	2.25	225	3.50	375	2.50	275	4.00	500	3.00	375
5.9	3.6	360	2.70	270	4.20	450	3.00	330	4.80	600	3.60	450
5.8	4.2	420	3.15	315	4.90	525	3.50	385	5.60	700	4.20	525
5.7	4.8	480	3.60	360	5.60	600	4.00	440	6.40	800	4.80	600
5.6	5.4	540	4.05	405	6.30	675	4.50	495	7.20	900	5.40	675
5.5	6.0	600	4.50	450	7.00	750	5.00	550	8.00	1000	6.00	750
5.4	6.6	660	4.95	495	7.70	825	5.50	605	8.80	1100	6.60	825
5.3	7.2	720	5.40	540	8.40	900	6.00	660	9.60	1200	7.20	900
5.2	7.8	780	5.85	585	9.10	975	6.50	715	10.40	1300	7.80	975
5.1	8.4	840	6.30	630	9.80	1050	7.00	770	11.20	1400	8.40	1050
5	9.0	900	6.75	675	10.50	1125	7.50	825	12.00	1500	9.00	1125
4.9	9.6	960	7.20	720	11.20	1200	8.00	885	12.80	1600	9.60	1200
4.8	10.2	1020	7.65	765	11.90	1275	8.50	940	13.60	1700	10.20	1275
4.7	10.8	1080	8.10	810	12.60	1350	9.00	995	14.40	1800	10.80	1350
4.6	11.4	1140	8.55	855	13.30	1425	9.50	1050	15.20	1900	11.40	1425

## Further Guidance

1. These are guidelines based on crop trials carried out during 2010-2012
2. Fields testing or known to be high in Magnesium may need higher rates or Calcium rebalancing using Calcifert Sulphur as well.
3. When soil testing always test for total Calcium and relate to soil type eg sands lower, clays higher.
4. Where minimum tillage is being used lower rates can be used on arable fields.
5. Lime recommendations based on industry standard calculation below,

$$\text{Lime Required (in t/ha)} = (\text{Target pH} - \text{Field pH}) \times \text{Lime Factor for Soil Texture}$$