

What is the acidity levels in your soils?

Lime planning – First step to good soil fertility!

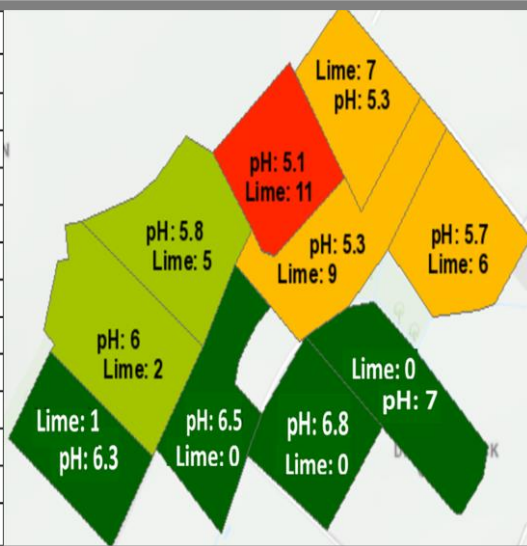
Target grassland pH: 6.3 mineral soils, 5.8 peats

Planning lime applications


- What field, What lime type, What rate & When?
- Utilize all opportunities to lime!

Farm Liming Plan





Field No.	Soil pH	Lime (t/ha)	Lime Total (t)	Time of Application		
				2016	2017	2018
1	5.1	11	55	30		25
2	5.3	7.0	35	20		15
3	5.3	9.0	45	25		20
4	5.7	6.0	30	30		
5	5.8	5.0	25		25	
6	6.0	2.0	10		10	
7	6.3	1.0	(5)			Re-Test
8	6.5	0	0			
9	6.8	0	0			
10	7.0	0	0			
Total Lime (t)			200	105	35	60
Total Cost (€)			€5,000	52.5%	17.5%	30%



How much P & K to replace off-take

Stocking Rate (LU/ha)	1.5-2.0	2.0-2.5	2.5-3.0	> 3.0
	Dairy Milking platform P – K advice			
P - K kg/ha	14 – 30	19 – 35	23 – 40	27 – 45
P - K units/ac	11 – 24	15 – 28	18 – 32	22 – 36

P-K-S removed by Silage?

Grass Silage (t DM/ha)	1	3	5
	x5 	x15 	x25 
P kg/ha	4	12	20
<i>units/ac</i>	3.2	9.6	16
K kg/ha	25	75	125
<i>units/ac</i>	20	60	100
S kg/ha	3	9	15
<i>units/ac</i>	2.4	7.2	12