



NOT ALL AGRI LIME IS THE SAME

ARE YOU BUYING THE CORRECT
LIME FOR YOUR SOIL TYPE?

ARE YOU GETTING VALUE
FOR MONEY?

McGrath's Limestone has a TNV (Total Neutralization Value) of 98.5% and one of the highest calcium limestone deposits in Ireland.

ENV is a measure of "Effective Neutralizing Value", it is a measure of how effective the limestone is.

McGraths Limestone from Cong has proven to be up to 50% more effective than competitors Agri Lime on the market.

McGraths are licensed by the Department of Agriculture to sell ground limestone

Our limestone is graded and quality tested daily by XRF for a chemical and elemental analysis. This ensures a consistent premium grade limestone and a high purity calcium content with perfect granular size for Effective Neutralising Value.

McGRATHS PREMIUM GRADE LIMESTONE

CALCIUM IMPROVES FERTILISER EFFICIENCY

Acidic and Low Calcium soils inhibit the plants ability to uptake and use nutrients, including fertilisers.

TABLE 1: Effect of soil pH on N, P & K availability (%)

SOIL ACIDITY	PERCENT UTILISED			FERTILISER WASTED
	Nitrogen	Phosphate	Potash	
Strongly Acid 5.5pH	77%	48%	77%	33%
Medium Acid 6.0pH	89%	52%	100%	20%
Neutral Acid 7.0pH	100%	100%	100%	0%

CONTACT US

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McGraths Limestone



Premium Grade Limestone



Insist on the best high calcium lime from one of the best reserves of limestone in Ireland and save money on total effectiveness

www.mcgrathsquarries.ie

tel. **094 955 3900**

LIME MAKES FINANCIAL SENSE

Annual Fertilizer Spend €13,691 vs Lime €1,250

The results from the Teagasc Dairy Profit monitor 2011 showed that the average fertilizer spend on a 100 acre farm was €13,691! The annual cost of spreading 2 tons per acre of Lime on a 100 acre farm every 4 years, is €1,250.

When you consider the Nitrogen and Phosphorus savings shown in Teagasc trials, maintaining your lime status makes sense.

SOURCE "TEAGASC DAIRY PROFIT MONITOR 2011"

PHOSPHORUS

Lime has a major role in maximising the availability of P in our soils.

Phosphorus is now the most expensive nutrient to buy and world P stocks are decreasing thus making it more expensive into the future. Maintaining the correct soil pH will pay dividend in terms of increasing the utilisation of both soil and applied P as manure or bag P fertiliser. To maximise P uptake in grassland aim to maintain pH 6.3 and for tillage soils aim for pH 6.5.

SOURCE TEAGASC, JOHNSTOWN CASTLE

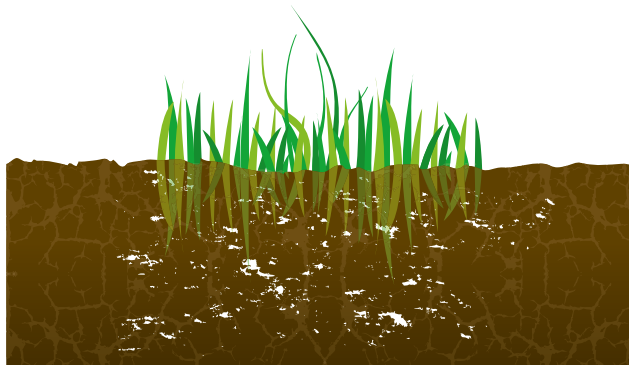
Mark Plunkett,
Soil Nutritionist at Teagasc says:

"Grassland soils maintained close to the target pH will have benefits of increased yields, more efficient utilisation of applied fertilizers and manures and better persistence of the more productive species in the sward such as perennial ryegrass and clover."

CALCIUM IS ESSENTIAL FOR GOOD SOIL STRUCTURE

GOOD SOIL STRUCTURE ASSOCIATED WITH CORRECT CALCIUM LEVELS

- **CALCIUM FLOCCULATES THE SOIL**
- **Drainage improves**
Topsoil allows excess water to pass through to subsoil, when the ratio between air, water, minerals and organic matter is correct in the soil.
- **Longer growing seasons**
Warmer soils mean growth starts earlier in spring and goes on later at the back end.
- **Soils become robust and more resistant to slumping**
Soils are harder to damage and recover sooner after poaching or compaction when exposed to traffic by machinery or animals in wet conditions.
- **Plant roots penetrate deeper**
The roots forage in the whole soil for nutrition, making the best of what's available from nature. Costs are decreased.
- **Less leaching of expensive fertilizer**
and nutrients into soil water occurs.
- **Nutritionally balanced plants result**
These are healthier for the animals consuming them. Fewer problems are experienced by farmers when balance is achieved. Profits improve!
- **Biological life in the soil improves**
Earthworms, insects, fungi and bacteria thrive and speed up the recycling process of animal and plant residues.



WILL LIMING MY LAND HELP ME TO GET BETTER RETURNS FROM FERTILISERS?

Yes! For example; 2 bags of 0:10:20 spread on well limed grassland will give about the same return as 3 bags of 0:10:20 on land needing 4 tons lime per acre.

WHEN IS THE BEST TIME TO LIME THE LAND?

After tight grazing or after silage.

WHAT PRECAUTIONS SHOULD I TAKE IN LIMING SILAGE GROUND?

Make sure no lime dust comes in with silage sward. It interferes with silage fermentation.

WHAT ABOUT LIMING LAND WHILE STOCK ARE GRAZING ON IT?

Intake of lime-dust by stock will reduce milk yield and cause digestive upset. After a few good showers the Lime will be washed off the grass and released into the soil.

CAN I SPREAD LIME AND FERTILISERS AROUND THE SAME TIME?

After spreading lime, do not spread Urea or Sulphate of Ammonia or Slurry for min. 3 months. After spreading Urea or Sulphate of Ammonia or Slurry there is no problem with spreading Lime!

