

## Features & Benefits

### A Proven Record

'Basic Slag' is today's equivalent to the basic slag used by farmers as a fertiliser throughout the 20th century, and is regarded by many as the best ever grassland fertiliser. Grassland tests by Newcastle University over 3 years showed increases in dry matter yield up to 3 times greater than by using limestone or Triple Super Phosphate.

<b>Calcium Lime Comparison</b>									
Not all liming materials are equal and some are hardly worth using at all, if you value the calcium content.									
Source	Agri-Slag	Lancs	Herefordshire	Dorset	Newcastle	Kent	Norfolk	Limex-70	Gypsum
Neutralising Capacity As CaO	50+	51.4	54.4	47.1	41.9	51.1	47.4	34.3	2.9
Fineness Factor	50	50.3	49.9	22.2	52.8	21.2	24.2	66.6	84.3
Total Calcium When Applied at 4 t/ha	1400	1200	1360	1000	1100	1200	1200	800	800
'Available' Calcium When applied at 4 t/ha	600 Kg/ha	120 Kg/ha	0.5 Kg/ha	8 Kg/ha	15 Kg/ha	143 Kg/ha	149 Kg/ha	450 Kg/ha	360 Kg/ha

2003 saw the conclusion of a 5 year study by the Scottish Agricultural College to evaluate the effectiveness of using steelworks slag dust as a soil conditioner to promote grass growth in grassland farming.

The study concluded that it is an excellent single application liming agent and provider of base phosphate. It was also shown to provide and facilitate the uptake of major and trace elements to grass.

This saves time and cost compared to the annual use of chemical fertilisers whose phosphate levels diminish during the year.

Steelworks slag, when crushed down to less than 3.35mm is agronomically effective, safe to handle and is easy to spread. It is further factory conditioned to optimise particle size and reduce windbourne loss.

Remember, derived from the steel-making process, this product is a fine particulate, lime-based product which boasts a rich mix of phosphate, calcium, sulphur, magnesium, essential minerals and trace elements.

With such an impressive recipe it has been proven to significantly increase crop yield, sweeten pastures and ultimately benefit grazing livestock.

Free from nitrates and harmful leachates, 'Basic Slag' is the superior performing and environmentally friendly alternative to chemical fertilisers.

### Application

Apply 1000 Kg/Ha per year or 3 tonnes every 3-4 years (to save application costs).

As with many fertilisers and soil conditioners the spreading of 'Basic Slag' should be performed while the fields are free of livestock and grazing can recommence once the grass has been well washed by rain.

Parameter	Units	Average Analysis Value	Kg/Ha 1 tonne	Kg/Ha 3 tonnes
Drymatter	%	97		
Neutralising Value as CaO	T.N.V	50 +		
pH	12.7			
Total Calcium CaO	%	48	466	1397
Calcium as Ca	%	35	340	1020
“Available” Ca in year 1	%	15	145	435
Phosphate P <sup>2</sup> O <sup>5</sup>	%	2.5	25	75
“Available” P <sup>2</sup> O <sup>5</sup> in year 1	%	1.6	15	45
Magnesium as Mg	%	2.5	24	72
Manganese as Mn	%	2.0	20	60
SO <sup>3</sup>	%	1.2	12	36
Silica	%	6	58	174
Boron	%	.580	0.56	1.7
			<b>Mg/Ha 1 Tonne</b>	<b>Mg/Ha 3 Tonne</b>
Copper	Mg/Kg	5.2	5000	15000
Zinc	Mg/Kg	1.6	1550	4650
Selenium	Mg/Kg	0.24	230	690
Cobalt	Mg/Kg	0.2	190	580
Plus useful amounts of: Iodine, Potassium, Sodium, Iron, Chromium, Molybdenum and Vanadium				
<b><u>Paramagnetic value 6,000 CGS (excellent to re-energise your soil)</u></b>				

**Note : 330 Kg Ca is equivalent to approximately 1 Tonne of Calcium Lime**

