

### What is Gafsa?

Gafsa is the world's most reactive soft rock phosphate which means it starts releasing plant-available phosphate straight after application as well as providing a sustained release of nutrients for 3 – 4 years.

Gafsa is the building block of our Phosmin, New Life and Natural ranges of P, PK and NPK fertilisers.

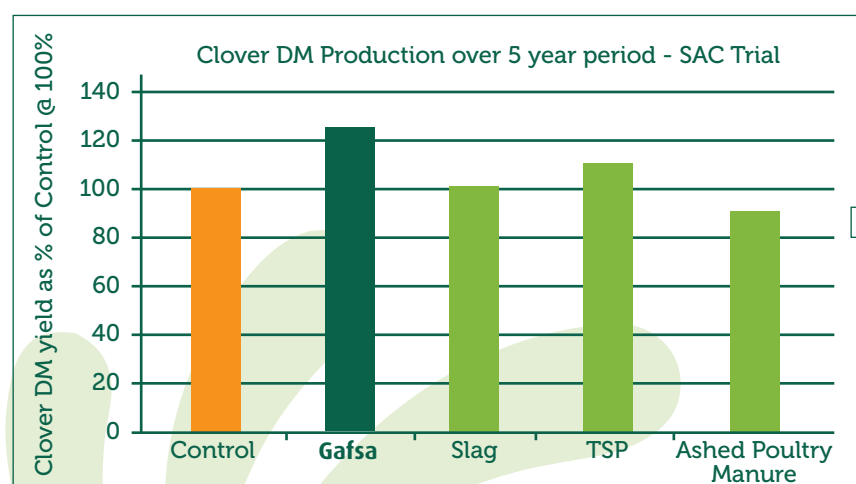
### Why use Gafsa?

- ✓ Naturally soluble = no losses due to lock up in the soil or leaching
- ✓ Improves sward palatability = tighter grazing and higher dry matter intakes
- ✓ Encourages clover = fixes 'free' nitrogen and improves feed value
- ✓ Rich source of secondary nutrients and trace elements = improves soil fertility and enriches the nutritional value and palatability of grass and forages – see below

Calcium (Ca):	Sulphur (S):	Magnesium (Mg):
✓ Buffers surface acidity and sweetens pastures	✓ Increases N uptake and efficiency	✓ Improves mineral balance within the sward
✓ Improves soil structure and fertility	✓ Optimises photosynthesis for maximum growth	✓ Reduces risk of grass tetany (staggers)
✓ Strengthens cell walls which increases resistance to stress and damage	✓ Increases protein levels in grass and forage for higher feed value	✓ Stimulates appetite leading to increased DM intake and utilisation
✓ Essential for muscle, bone and teeth development	✓ Increases DM production for better utilisation	✓ Improves palatability and aids tighter grazing

Gafsa also contains naturally occurring essential micro-nutrients, including: Boron, Cobalt, Copper, Iodine, Manganese, Selenium, Sodium and Zinc

### Gafsa: the evidence?



An independent replicated trial by SAC over 5 years proved that Gafsa significantly increased clover DM production with 25% yield increase compared to a zero-P control, 23% yield increase over slag, 14% over TSP and 34% over Ashed Poultry Manure.

P<sub>2</sub>O<sub>5</sub> was applied at 150kg/ha at the start of the 5 year period.

Nitrogen was applied at 120kgN/ha pa.

Grass was harvested, weighed and analysed 5 times pa.

Basic Powder						
Product Name	N	P	K	SO <sub>3</sub>	CaO	TE
Basic Powder	0	29.5	0	4	49	✓

Phosmin Range						
(Granular Gafsa fertiliser with all the benefits of Phosmin with added potash to suit requirements)						
Product Name	N	P	K	SO <sub>3</sub>	CaO	TE
Phosmin Granular	1	27	0	5	44	✓
Phosmin 2	0	22	12	4	35	✓
Phosmin 3	0	19	19	3	30	✓
Phosmin 4	0	14	30	2	22	✓

New Life Range						
(NPK fertilisers with dual-action phosphate, sulphur and calcium to generate the 'New Life' of early growth and establishment)						
Product Name	N	P	K	SO <sub>3</sub>	CaO	TE
New Life 2	4	25	12	3	28	✓
New Life 3	4	21	21	2	21	✓
New Life 4	3	16	30	1.5	16	✓

Organic Range						
(All the benefits of Phosmin with Sulphate of Potash added to suit requirements)						
Product Name	N	P	K	SO <sub>3</sub>	CaO	TE
Basic Powder (org)	0	29.5	0	4	49	✓
Phosmin (org)	1	27	0	5	44	✓
Natural 1*	0	22	9	11	36	✓
Natural 2*	0	18	17	15	29	✓
Natural 3*	0	13	26	25	21	✓

\* These grades are Soil Association approved but are restricted and therefore require derogation. Basic powder (org) and Phosmin (org) are fully approved and unrestricted.

TE indicates the product contains traces of: Boron, Cobalt, Copper, Iodine, Manganese, Sodium, Selenium and Zinc

Advanced nutrition for enhanced performance

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