

Vitaplex-Grass = Liquid BetterGrass

Many of the grassland areas in the UK are deficient in essential trace minerals, which means either animal health is being compromised or you have to feed stock supplements.

Not only that but often palatability is poor and stock do not do as well as they should. At Soil Fertility Services we managed to overcome this problem using the **BetterGrass** dry blend range of products. However, these are just not cost effective for farmers with less than 100 hectares of grassland.

WE CAN NOW OFFER A SOLUTION:

An essential food for your grassland that includes everything your grass needs to produce highly palatable, mineral-rich grass in order for you to raise healthy stock.

NEW Vitaplex-Grass is a liquid soil conditioner for your grassland, providing ALL the essential minerals required PLUS biological activators which include the magnificent Megabactors.

These natural micro-organisms include Megatarium which is the natural phosphate fixing microbe, working in the soil to feed your pant.

Contains **ALL** essential minerals including:

- ◆ Selenium
- ◆ Cobalt
- ◆ Iodine
- ◆ Zinc
- ◆ Copper
- ◆ Manganese

PLUS Biological Activators to 'free-up' some of the 'locked-up' nutrients in your soil e.g phosphate and nitrogen

- * Application rate: 35 litres per hectare
- * Delivered in 1,000 litre containers
- * 1,000 litres will treat 28 hectares (70 acres)
- * Cost : £1.25 per litre = £17.50/acre

ALL of these in a complex solution of Humic and Fulvic compounds and soil conditioners.

To Supply:	N	K	Mg	SO ₃	Mn	Cu	Zn	B	I	Se	Co
	kg/ha				g/ha						
	5	4	4	10	200	400	800	100	50	40	100

“Feed your soil and your soil will feed your crop”



It is **ALWAYS** better for your animals to get their mineral requirement in the right balance from every bite they take.

“GRASS FED COWS PRODUCE A HIGHER QUALITY MILK GRASS FED BEEF PRODUCES HIGHER QUALITY MEAT ALL HERBIVORES SHOULD BE GRASS FED”

The above statement is all very well but how good is the grass they are eating? If the grass is lacking in minerals then your livestock will not do as well as they should, consequently the end result will be inferior stock. Not only that but it will cost you more to produce.

Vitaplex-Grass is designed specifically to improve the nutritional quality of your grass for the benefit of your livestock.

It is no different to humans, if the minerals in the food you eat are not in balance, you will not feel as well as you would otherwise.

Did You Know:

- 75% of ALL UK grass is too **LOW** in Selenium
- 80% is too **LOW** in Cobalt
- 60% is too **LOW** in Iodine
- 60% is too **LOW** in Magnesium

Not Only That But:

- 40% is too **HIGH** in Potassium

IT IS THESE IMBALANCES

THAT CAUSE ILL-HEALTH AND LOW YIELDS

A soil analysis does not tell you what is in the plant itself; for example - a SOIL that is HIGH in magnesium will produce CROPS that are LOW in magnesium! The answer is NOT to apply more magnesium to the soil as would seem logical, but to 'free-up' some of the magnesium in the soil reserves.

Another example is phosphate - just because a soil analysis may show a LOW level of phosphate, does NOT mean that the soil is lacking in phosphate. It is the AVAILABILITY that is the problem. The answer is to find out what is causing the 'lock-up' of the phosphate and fix that.

Again as with humans there is no point just treating a pain, you need to know what is causing the pain and treat that.

VITAPLEX-GRASS :

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Forage Mineral Analysis - Sample date: September 2017						
Lab Ref: 251263		Sample Name : Front Field				
Forage Type : Grazed Grass Cattle						
Element	Assay	Very Low	Low	Moderate	Good	High
Nitrogen	N %	2.52				
Phosphorous	P %	0.34				
Potassium	K %	2.54				
Calcium	Ca %	0.34				
Magnesium	Mg %	0.16				
Sodium	Na %	0.06				
Sulphur	S %	0.21				
Manganese	Mn mg/kg	120.2				
Copper	Cu mg/kg	6				
Zinc	Zn mg/kg	27.8				
Iron	Fe mg/kg	474				
Boron	B mg/kg	3.8				
Molybdenum	Mo mg/kg	1.46				
Cobalt	Co mg/kg	0.11				
Iodine	I mg/kg	0.07				
Selenium	Se mg/kg	0.05				

The above analysis is a typical mineral analysis of a regular grass crop. It shows the imbalances of the minerals in the grass.

Especially note the HIGH potassium and LOW magnesium but also the VERY LOW levels of selenium, cobalt and iodine. How are your animals going to get these essential minerals if they are not in the forage they are eating?

Cows and sheep should spend large amounts of time lying down. If they are continuously wandering about the paddock they are NOT getting the correct nutrition.



An application of the **Vitaplex Grass** will supply **ALL** of the essential minerals.



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UK CENTRE FOR BIOLOGICAL AGRICULTURE

