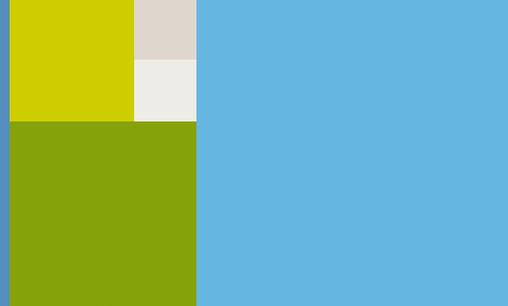




Knowledge grows

Healthier livestock and  
improved performance with

# Booster Fertilizers



# How can fertilizer help promote healthier livestock? Make every bite count with Yara's booster range

*'You are what you eat' is as true for livestock as it is for humans. So it is essential that you ensure the grass your livestock eats, carries all the nutrients they need to stay healthy.*

Did you know, 88% of soils were deficient in selenium?\*

Selenium deficiency in livestock can result in:

- Stillbirth and retention of afterbirth.
- Increased milk cell count.
- Increased levels of clinical mastitis.
- White muscle disease (nutritional myopathies) in calves.
- Local myopathies may involve skeletal or cardiac muscle in lambs and calves aged under six months.

## Prevention is better than cure

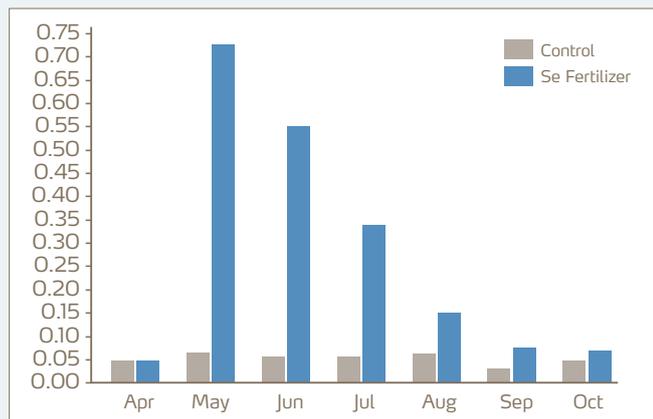
Yara's Booster range of fertilizers all include selenium. By enriching your grass, you're increasing the availability of selenium to your livestock, improving their health and fertility.

To increase selenium availability in livestock diet, there is a clear need to maximise the levels of selenium in your grass.

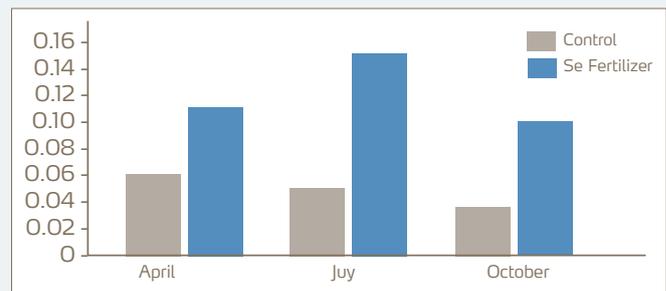
## Yara Trials

Yara conducted trials to review how the application of fertilizer with added selenium (in the selenite form) to grassland, increased the levels in grass and had an impact on the amount of selenium in livestock blood.

Effect of selenium fertilizer on Se content of herbage in mg/kg DM



Effect of selenium fertilizer on Se concentration in blood in mg/l



\*Soil data collected in 2015 by Lancrop Laboratories



## The financial cost of unhealthy livestock

- AHDB Dairy have calculated the cost of treating a case of mastitis to be £250-£300.
- On average, the herd infertility cost for a 100-cow herd was estimated at £18,000, £180 per cow. (David Mackey, CARFRE/AFBI Fertility Benchmarking Online)

	Selenium deficient cows	Cows with selenium supplied	Savings
Cows treated for mastitis	32	17	
Cost	£9,600	£5,100	£4,500
Cows with fertility problems	41	19	
Cost	£7,380	£3,420	£3,960

## Add sodium to encourage better grazing and promote health

With the addition of sodium in your fertilizer, you'll achieve more productive grazing. Sodium makes your grass more palatable and easily digestible, ensuring that your livestock eats more of it, delivering big advantages:

- Maximising the amount of nutrient-enriched grass your livestock eat, will increase the nutrients they ingest, leading to healthier livestock.
- Increases the productivity of a grazing-based dairy system.
- Sodium is more effective in improving milk yields when applied directly to the grass compared to sodium containing feed concentrates.

## Sodium: Effect on Grazing Time, Yield and Weight Gain

	No Sodium Supplied	Sodium added to feed	Sodium added through fertilizer
Grazing (minutes/day)	521	522	544
Mean Milk Yield (kg/day)	17.5	18	20.1
Weight Gain (kg/day)	-0.09	0.14	0.22

## Effect of Sodium on Grass and Milk Contents

	Grassland fertilized with straight Nitrogen	Grassland fertilized with straight nitrogen and sodium
D-Value of Grass	71.6	72.9
Sugar Content %	29.4	32.3
Grass uptake (kgDM/day)	14	16.6
Milk Yield (litres/day)	22.6	24.7
Butter Fat Content (g/day)	833	963
Protein Content (g/day)	760	833



# Booster Range of Fertilizers



## YaraMila™ STOCK BOOSTER (25-5-5 + Na + Se)

is a compound prilled NPK fertilizer containing sodium and selenium for use on grassland to supplement selenium levels.

## YaraMila™ SILAGE BOOSTER (20-4.5-14.5 + 7.5% SO<sub>3</sub> + Se)

is a compound granular NPK fertilizer containing selenium for use on grassland to supplement selenium levels.

## YaraBela™ NUTRI BOOSTER (25% N + 5% SO<sub>3</sub> + Na + Se)

is a unique fertilizer for use on grass, based on CAN as the nitrogen source it offers the farmer the option of applying nitrogen and sulphur coupled with selenium and sodium.

## Delivering Guaranteed Quality

- Our compound fertilizers deliver all stated nutrients in each and every granule so you can achieve widespread and even application of nutrients across your field for maximum benefits.
- What's on the bag, is in the bag – all our fertilizers are formulated to the declaration, so you can be sure that you are getting exactly what you pay for.

## Did you know?

Yara commissioned an independent analysis of 23 different fertilizer blends which found that:



**64%**  
of bags had illegal  
nutrient analysis



**36%**  
of bags tested  
were underweight

For more details about Yara's booster range of fertilizers, please contact your area manager, local distributor or agent.

