

**BRIMSTONE**

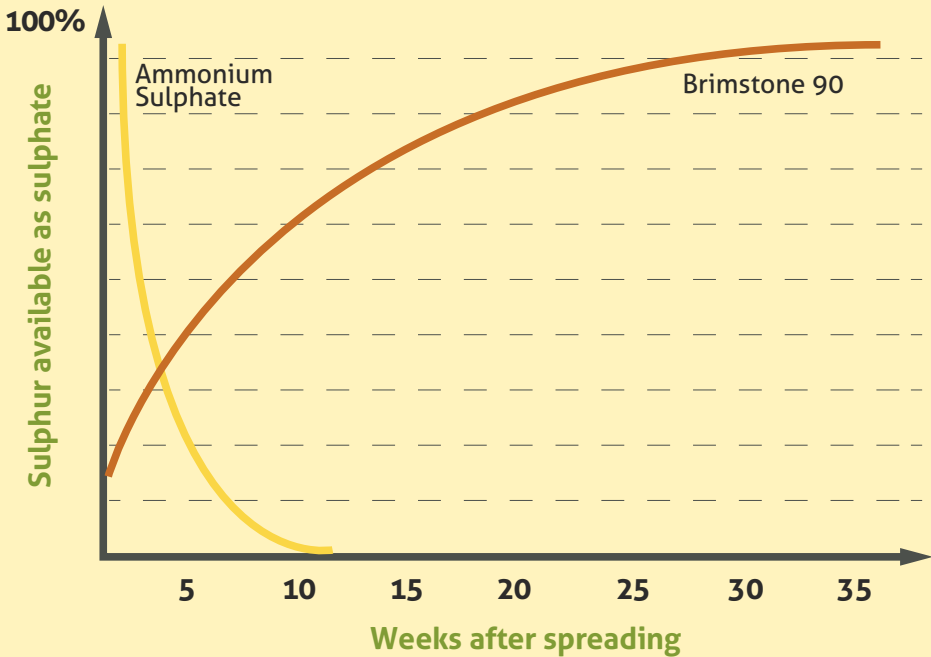


# Season Long Sulphur



Sulphur deficiency in wheat (R), HGCA trials, Suffolk, 2010 (HGCA project 3606).

## Season Long Sulphur



Brimstone90 is the state-of-the-art in sulphur fertilisers. Not only does it provide sulphur to the crop soon after spreading, but it continues to feed the crop through the growing season.

This makes it the ideal cost-effective solution to the growing problem of sulphur deficiency, which limits nitrogen uptake, impacts grain and oilseed quality and damages yields.

Being 90% elemental sulphur, Brimstone90 quickly breaks up in contact with soil moisture into fine particles, which then converts steadily in the soil to the sulphate form to be taken up by the plant. Unlike Ammonium Sulphate, this process results in little risk of leaching.

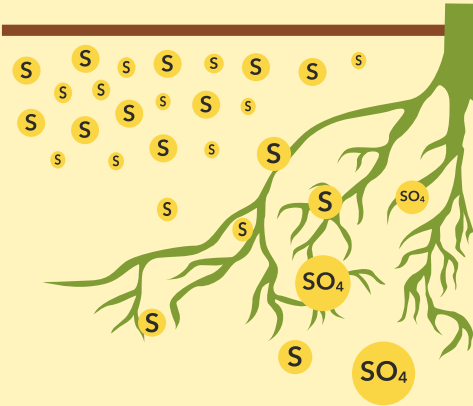
**11.5%** higher yield  
in OSR

**5:1** return  
on investment

(Harper Adams trials, 2009/2010)

## Optimum particle availability

Brimstone90 has the optimum range of Sulphur particle sizes providing a continual supply of sulphate through the season



Provides a continual supply of substrate for conversion to  $SO_4$



● <150 microns

● 150-1700 microns

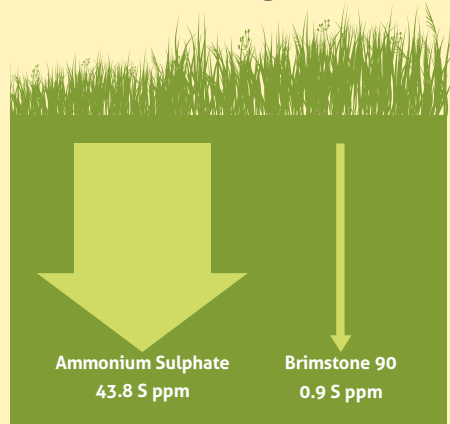
## Ultimate spreading flexibility

Brimstone90 can be spread at any convenient time in the autumn or early spring – there is no need to wait for a convenient weather window.

Formed in uniform pastilles, dust-free and easy to handle, Brimstone90 spreads well out to 36 metres. It has been fully tested by SCS, and calibration settings are available for all popular spreaders. Brimstone90 blends easily with other fertilisers.



## Minimal leaching



0.25g S/ pot applied. Leachate S (ppm) above Control (no S applied). (*Levington Agriculture Independent Trial 1998*)

**BRIMSTONE 90**™

## The sulphur problem

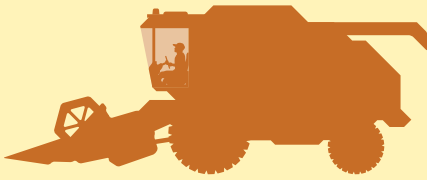
According to the HGCA, sulphur deficiency continues to become more widespread due to the rapid fall in atmospheric sulphur emissions. They are now one seventh of 1992 levels.

## Fertiliser requirements:

Crop	kg SO <sub>3</sub> /ha
Barley	25-50
Wheat	50
Oilseed rape	50-75

HGCA Recommendations, Information sheet 28, 2014

## Sulphur deficiency means:



Poorer usage of nitrogen, so poorer yields

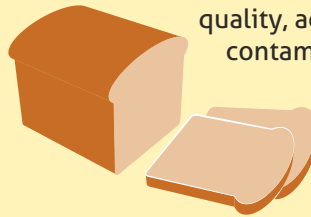


OSR: Residue chlorophyll in harvested seed

Barley: Poorer malting quality and beer flavour



Lower bread making quality, acrylamide contamination



Plants need the same amount of



as of



(Defra RB209, 2010)

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