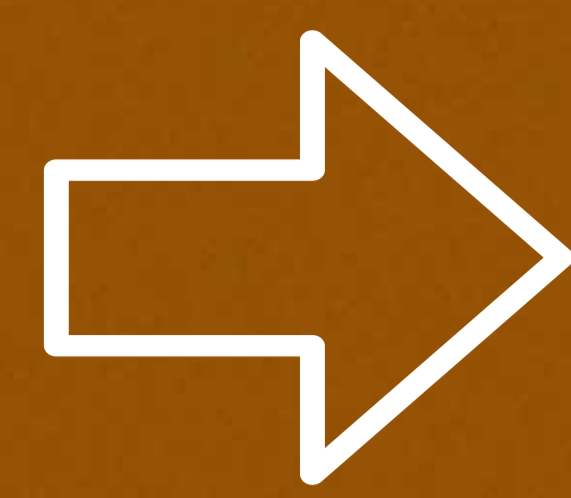


Making efficient use of natural resources

THE CONTEXT

An estimated **+70%** increase in demand for animal-based food by **2050**



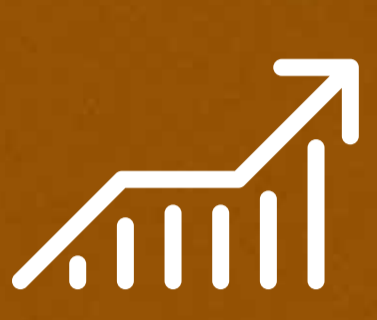
Increase needed in the amounts of cereals and grains grown for animal feed

BUT

Limited opportunity to expand crop production sustainably

OUR AMBITION

Limit the use of our finite natural resources
+
Reduce the pressure of crop production on biodiversity by:



Extracting more nutritional value from feed



Helping to lessen our reliance on soy, corn and wheat

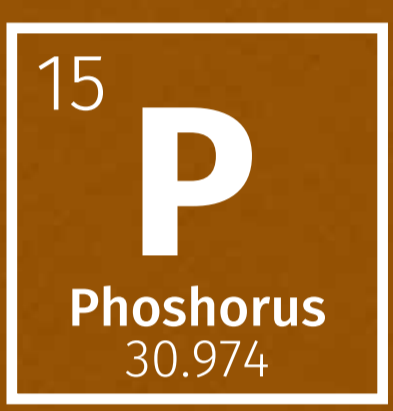


Enabling the use of a greater assortment of local feed raw materials and by products for animal feed

OUR SOLUTIONS

A UNIQUE PORTFOLIO OF FEED ENZYMES

Our Phytase Enzyme (HiPhos)



Releases natural phosphorus in plant raw materials



Reduces need for finite rock phosphates in feed



Decrease in phosphorus content from manure



Less phosphorus released into the environment



Protecting our precious water resources

Our Protease Enzyme (ProAct)



Improves feed digestibility



Increases amount of digestible protein in feed



Increases nutritional value of feed



Allows use of greater assortment of feed raw materials



Reduces need for feed raw materials and protein supplements



Decreases pressure on land use



Decrease in nitrogen content from manure

THE RESULT

More efficient use of natural resources

To supply the world with animal protein **sustainably and responsibly**



If not us, who? If not now, when?
WE MAKE IT POSSIBLE

Find out how DSM can help transform animal nutrition and health sustainably at www.dsm.com/wemakeitpossible

ANIMAL NUTRITION AND HEALTH

DSM
BRIGHT SCIENCE. BRIGHTER LIVING.