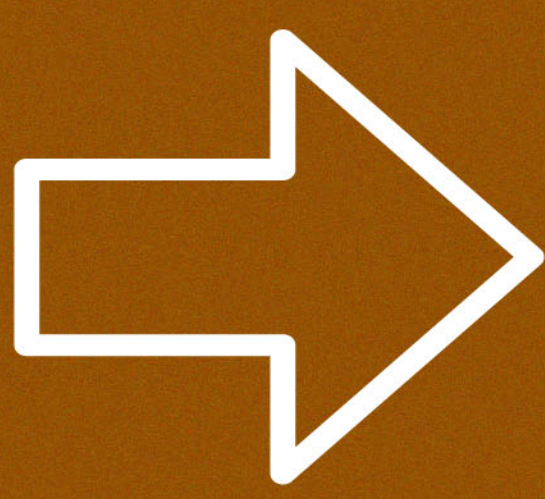



Making efficient use of natural resources

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

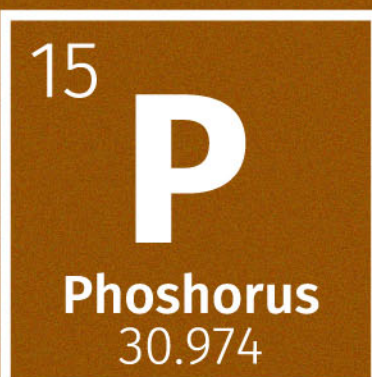
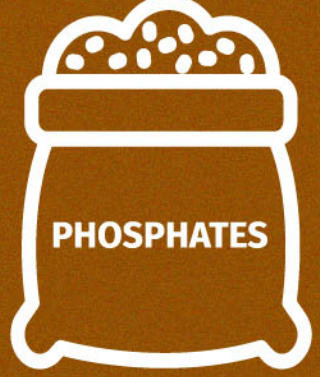



Limit the use of our finite natural resources
+
Reduce the pressure of crop production on biodiversity by:

-  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

