

Fertilizers – An in-depth introduction

2:00PM London // 9:00AM New York

Times shown below are in London

Module 1 (3 hours and 10 minutes)

14:00 – 14:10 Welcome and introduction to the course

14:10 – 14:55 Understanding agriculture, soil, and crop science

- Basics of agriculture: What the industry needs to know
- Insight into different types of soil and crop seasonality across the globe
- Types of crops and their applications
- Future trends in the agriculture sector

14:55 – 15:10 Break

15:10 – 16:10 Ammonia

- Introduction to the value chain
- Production and trade
- Factors influencing the international market and prices:
 - Billions of dollars are being poured into blue and green ammonia projects worldwide as part of an international decarbonisation drive, but where and why?
 - Designated as the vector for hydrogen transportation, ammonia has a crucial role to play in the battle against climate change
 - The race to develop ammonia-fuelled marine vessels is well underway, but what will this mean for the industry, how much extra capacity might be needed by 2050?

16:10 – 17:10 LNG market overview

- Insight into global LNG production
- Understanding trading dynamics within the LNG industry
- Factors influencing changes in market and prices: What it means for the fertilizers business
- Emerging trends in the LNG market

Module 2 (2 hours and 15 minutes)

14:00 - 14:30 Potash

- Introduction to the value chain
- Supply and major producing countries
- Factors influencing the international market and prices:
 - Global potash market: A "big-three" producer-led industry
 - How smaller projects might redefine trade flows
 - Belarusian sanctions – and their effects on future supply and demand balance
- Future trends: What lies ahead?

14:30 – 14:45 Break

- 14:45 – 16:00 Urea and other nitrogen products**
- Introduction to the value chain
 - Urea production and trade flows
 - Factors influencing the international market and prices
 - How will the global urea market be impacted by emission cuts?
 - Insight into new capacity in West Africa
 - India's buying pattern in 2021 and its impact on the global market
 - Future trends: What lies ahead?

16:00 – 16:15 Nitrates

16:15 – 16:30 Summary and conclusion

Module 3 (2 hours and 45 minutes)

- 14:00 – 15:15 Sulphur and sulphuric acid**
- Introduction to the value chain
 - Production and trade, main players
 - Factors influencing the international market and prices:
 - The difference between smelter and burner acid
 - How exposed is the global sulphuric acid market to trends in related industries?
 - Could China become a global superpower in acid?
 - Future trends: What lies ahead?

15:15 – 15:30 Break

- 15:30 – 16:15 Phosphate products**
- Introduction to the value chain
 - Phosphate products described
 - Factors influencing the international market and prices:
 - Affordability of phosphates in India with high raw material prices and the role of the domestic maximum retail price (MRP)
 - US import duties on Russian and Moroccan phosphates and how they will affect availability in North America
 - Sufficiency of global phosphates supply from China and production ramp-ups in other regions
 - Future trends: What lies ahead?

16:15 – 16:30 Summary and conclusion