



Embracing Our Global Responsibility



Can our industry reverse
the unintentional damage we've
done to the environment
and climate?





The next generation
of fertiliser stabilisers



To reach our goals we must close the innovation gap in agriculture, with new technologies and methods of producing food which protect nature.

As one of the largest greenhouse gas emitting sectors of our global economy, efforts to reach the Paris Climate Agreement must put the transformation of global food systems at the heart of change.

SOURCE: UKCOP26 GLASGOW





VERDESIAN

THE NUTRIENT USE EFFICIENCY PEOPLE®





Advancement in Technology



Agriculture is
Responsible

89%

Ammonia
Emissions

Intensive
Agriculture

x100

More
Ammonia

Inorganic
Fertilisers

18%

Ammonia
Pollution

Environmental Issues Ammonia
Pollutant | Clean Air

Nitrous
Oxide

x**300**

Drinking
Water

Agriculture is
responsible

87%

Nitrous Oxide
Emissions

Nitrous
Oxide

23%

Global
Increase

Nitrous
Oxide

20%

Atmospheric
Increase

Greenhouse Gas Issues
Nitrous Oxide | Clean Air

Maximum
Nitrate

50 MG/L

Drinking
Water

Nitrate
Level

83%

Increase
1980 - 2015

Excessive
Levels

15%

Nitrate
Pollution

UK Water
Companies

20%

Nitrate
Reduction

Environmental Issues Nitrate
| Clean Water

Phosphate
in water
0.002
MG/L
Safe Level

Phosphate
Level
0.006
Creates Algae
Bloom

Bacteria
Levels
0.006
Increased

Phosphate
Level
0.006
Depletes
Oxygen

Environmental Issues Phosphate
| Clean Water

Total Microbial
Biomass

13%

Average
Reduction

Total Bacterial
Biomass

17%

More
Ammonia

Total Fungal
Biomass

19%

Ammonia
Pollution

Soil and Microbes

Nitrogen applications lower soil pH which then reduces microbial diversity.



The results of our Global Responsibility

What we have done so far



Amonia
Emissions Reduced

85%

14 Day
Period

Nitrous Oxide
Emissions Reduced

61%

226 Day
Period

REDUCED IMPACT ON THE ENVIRONMENT | **The Air Results**

Terrestrial
Organisms

0%

12 Month
Period

Soil
Microorganisms

74%

69 Day
Period

REDUCED IMPACT ON THE ENVIRONMENT | **The Soil Results**

Aquatic
Organisms

x10

12 Month
Period

Freshwater
Fish

x10

12 Month
Period

Nitrate
Leaching

21%

290 Day
Period

Phosphate
Reduction

25%

Independent
Trials

REDUCED IMPACT ON THE ENVIRONMENT | **The Water Results**

Yield
Average Increase

5.4%

70 Field
Trials

Yield
Average Increase

3.7%

62 Field
Trials

Efficiency
Increase

23%

7 Month
Period

REDUCED IMPACT ON THE ENVIRONMENT | **The Agronomic Trial Results**



IMPACT



REDUCE



QUALITY



THANK YOU FOR LISTENING
STAND XXXX