**PHASED-RELEASE NITROGEN: EFFICIENT & ECONOMICAL**

Grass plants can take up Nitrogen in two forms; either as Ammonium Nitrogen (NH$_4^+$) or as Nitrate (NO$_3^-$). Without any controlling influence, the majority of fertilizer Nitrogen is converted into the Nitrate form by soil bacteria, in a process known as Nitrification.

Nitrate Nitrogen is readily taken up and used by the plant, but this can result in rapid grass growth (top diagram). Ammonium Nitrogen is also taken up by the grass plant but is used less quickly, thus grass growth tends to be slower. In addition, the Ammonium Nitrogen is held tightly in the soil which reduces the risk of Nitrogen being lost through leaching.

'Didin' inhibits the growth of the bacteria *Nitrosomonas*. This bacteria is essential for the breakdown of Ammonium Nitrogen to Nitrite Nitrogen. As a result the plant takes up Ammonium Nitrogen which is used less quickly and is not leached (lower diagram). Because of these effects, 'Longlife' fertilizers containing 'Didin' are both efficient and economical.
Organised by the British and International Golf Greenkeepers Association in conjunction with the National Turfgrass Council.

Sponsored by ICI Professional Products.

SESSION 3 19th JANUARY PM

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| 1.30 | COMMUNICATIONS  
D Blackmur  
Plumpton College |
| 2.00 | Y.T.S. SCHEMES ON GOLF COURSES  
A H Thomson  
Training Commission |
| 2.45 | COFFEE |
| 3.00 | F.E.P.A. 1985  
N Rigden  
Cannington College |
| 3.30 | USE OF GRASS RETARDANTS ON GOLF COURSES  
P Goldsworthy  
Technical Services Manager, ICI Professional Products |
| 4.00 | TURF DISEASES  
N Baldwin  
Sports Turf Research Institute |
| 5.00 | FINISH |

SESSION 4 20th JANUARY AM

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| 9.30 | HEALTH & SAFETY AT WORK  
R G Oddy  
Principal Agricultural Inspector, H M Agricultural Inspectorate |
| 10.30 | PAY AND PLAY  
R Kates  
Course Manager, Wexham Park Golf Club |
| 11.00 | COFFEE |
| 11.15 | 'ARE YOU BEING FAIR TO YOUR FAIRWAYS?'  
D Archer  
Course Manager, Whitchurch Golf Club |
| 12.20 | NUTRITION OF SAND GREENS  
T Colclough, S.T.R.I. |
| 12.55 | MAINTENANCE OF SAND GREENS AND PROBLEMS OF SAND CONSTRUCTIONS  
J Perris  
Sports Turf Research Institute |
| 1.30 | FINISH |

LONGLIFE

The Next Generation, from

ICI Professional Products

'Longlife' Plus contains 2,4-D and dicamba
READ THE LABEL BEFORE YOU BUY: USE PESTICIDES SAFELY

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'Longlife' is a trade mark of Imperial Chemical Industries PLC