## International Conference on Enhanced-Efficiency Fertilizers

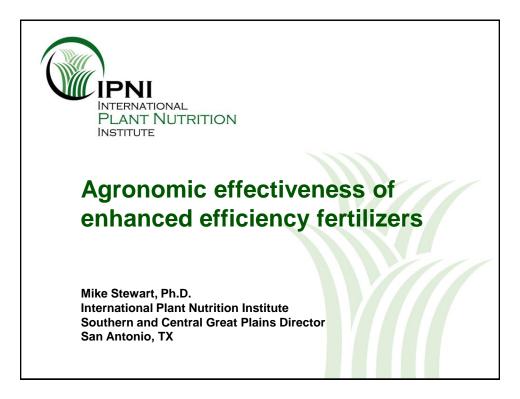
An IFA-New Ag International Event 23-24 March 2010 Hotel Hyatt Regency, Miami, FL, USA

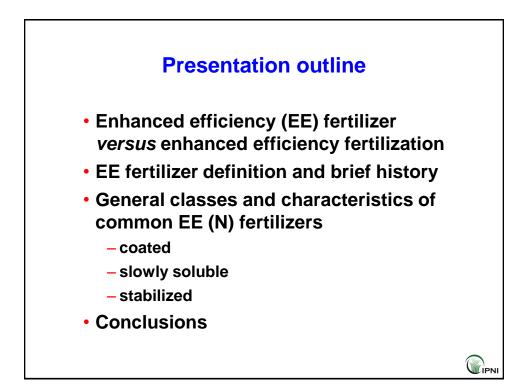
## AGRONOMIC EFFECTIVENESS OF ENHANCED EFFICIENCY FERTILIZERS

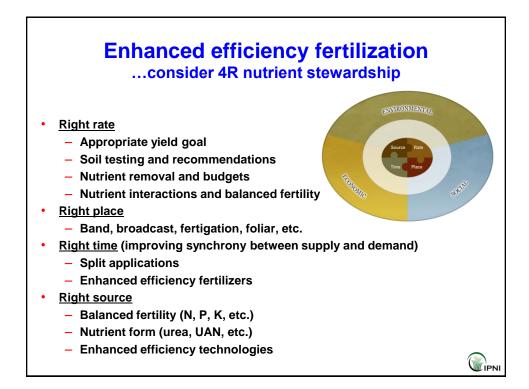
Mike STEWART International Plant Nutrition Institute (IPNI), USA

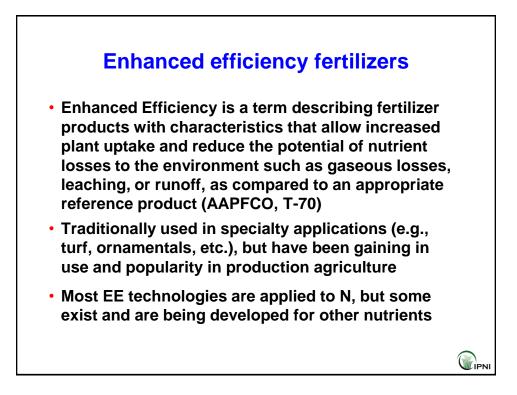












## History of slow-release N

Year	%N	Product
1924	12-40	Urea-formaldehyde (European patent)
1955	12-40	Urea-formaldehyde (commercial use in USA)
1961	32-38	Sulfur-coated urea (TVA)
1960's	32-34	Crotonylidene diurea (32-0-0)
1960's	31	Isobutylidene diurea (31-0-0; IBDU)
1967	9-19	Osmocote®
1985	14-22	Nutricote®, Meister®, Prokote®, Escote®
1990	37-44	Polyon®
1990	10-42	Multicote®
1990's	44	VCote®, TR2®, ESN®, Duration®

Adapted from Dr. James Robbins, University of Arkansas, 2005

