

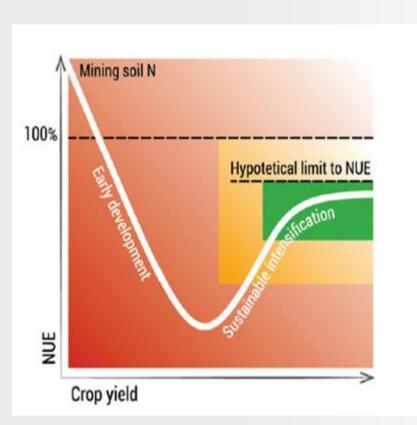
Improving nutrient use efficiency for sustainable agricultural systems

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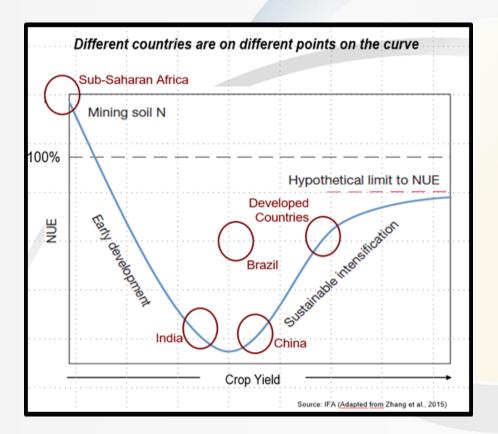




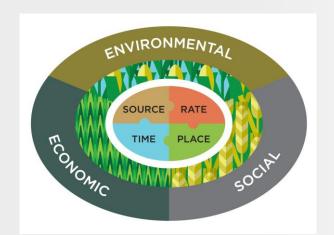
Crucial to improve fertilizer use efficiency (NUE) worldwide



NUE= N input/N output



Fertilizer Best Management Practices: 4Rs



Right fertilizer Source, at the Right Rate, at the Right time and in the Right Place









Conservation practices include: Cover crops; No-till; Strip-till; Grass waterways; Drainage water management etc

Fertilizer Best Management Practices

Also part of the 4R toolbox:

- ➤ Integrated Plant Nutrient Management (IPNM): applying on-farm organic fertilizers and supplementing them with mineral fertilizers
- ➤ Balanced fertilization, i.e. assuring a proper supply of all macronutrients and micronutrients in a balanced ration;
- > Site-specific nutrient management (SSNM), i.e. supplying plants with nutrients to optimally match their needs for nutrients;
- > Fertigation, entails combining fertilizers with irrigation water.

