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Opportunities and Challenges in the Use of Mineral Nutrition for Minimizing Arsenic Toxicity and Accumulation in Rice: A Critical Review

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- Factors affecting arsenic uptake and accumulation in rice grains are discussed
- Nutrients effect speciation of arsenic in soil and thereby uptake by rice
- Iron, manganese and sulfur effectively reduce As accumulation in rice
- Excessive application of phosphorus may lead to higher grain arsenic
- Nutrient optimization is a cost-effective strategy to lower arsenic in rice grain

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