

C O N T E N T S

| | |
|--|-----------|
| 2013 IPNI Scholar Award Recipients Announced | 3 |
| Adapt-N Uses Models and Weather Data to Improve Nitrogen Management for Corn Bianca Moebius-Clune, Harold van Es and Jeff Melkonian | 7 |
| Establishing a Scientific Basis for Fertilizer Recommendations for Wheat in China Limin Chuan, Ping He, Mirasol F. Pampolino, Adrian M. Johnston, Jiyun Jin, Xinpeng Xu, Shicheng Zhao, Shaojun Qiu and Wei Zhou | 10 |
| New Publications | 13 |
| Silicon: A Beneficial Substance Joseph Heckman | 14 |
| Crop Nutrient Deficiency Photo Contest | 16 |
| On-Farm Experimentation Simon Cook, James Cock, Thomas Oberthür and Myles Fisher | 17 |
| Nutrient Management: A New Option for Olive Orchards in North Africa Hakim Boulal, Lhassane Sikaoui and Mohamed El Gharous | 21 |
| Effect of Potassium Chloride Application for Rice, Cotton and Potato in the Irrigated Zone of Kazakhstan Abdulla Saparov, Rakhimzhan Eleshev, Beibut Suleimenov, Gennadi Peskovki and Alexey Scherbakov | 23 |
| Local Data Improves Sensor-Based Nitrogen Recommendations Olga Walsh, Robin Christiaens and Arjun Pandey | 26 |
| Fertilizing Crops to Improve Human Health | 28 |
| Improving Productivity and Profitability of the Maize-Wheat System in Jharkhand Rakesh Kumar, S. Karmakar, Sweety Kumari, A.K. Sarkar, S.K. Dutta and K. Majumdar | 29 |
| Better Crops... IPNI's Flagship Publication Terry L. Roberts | 32 |