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| Interaction between fixed factors No interaction between factors |
| Nutrient Crop Crop residue management Residue fate Tillage type |
| CT-IN CT-OUT RT-IN RT-OUT IN OUT CT RT |
| N [g/kg] WW 2010-11 17.18 ± 0.29 16.8 ± 0.25 17.75 ± 0.26 17.1 ± 0.15 17.46a ± 0.21 16.95a ± 0.15 16.99a ± 0.19 17.43a ± 0.19  WW 2011-12 16.4 ± 0.5 17.28 ± 0.06 17.33 ± 0.23 16.38 ± 0.63 16.86a ± 0.31 16.83a ± 0.34 16.84a ± 0.29 16.85a ± 0.36  Faba 2013 40.08 ± 0.61 39.58 ± 0.41 39.15 ± 1.15 40.7 ± 0.16 39.61a ± 0.63 40.14a ± 0.3 39.83a ± 0.35 39.93a ± 0.61  WW 2013-14 20.88 ± 0.15 20.9 ± 0.26 20.88 ± 0.27 20.4 ± 0.31 20.88a ± 0.14 20.65a ± 0.21 20.89a ± 0.14 20.64a ± 0.21  Maize 2015 12.98 ± 0.21 12.48 ± 0.13 12.3 ± 0.48 12.3 ± 0.36 12.64a ± 0.27 12.39a ± 0.18 12.73a ± 0.15 12.3a ± 0.28  P [g/kg] WW 2010-11 2.78 ± 0.02 2.7 ± 0.03 2.8 ± 0.03 2.69 ± 0.06 **2.79a ± 0.02 2.7b ± 0.03** 2.74a ± 0.02 2.75a ± 0.04  WW 2011-12 2.93 ± 0.04 2.91 ± 0.05 2.87 ± 0.05 2.93 ± 0.02 2.9a ± 0.03 2.92a ± 0.03 2.92a ± 0.03 2.90a ± 0.03  Faba 2013 5.58 ± 0.07 5.72 ± 0.07 5.57 ± 0.14 5.58 ± 0.15 5.58a ± 0.07 5.65a ± 0.08 5.65a ± 0.05 5.57a ± 0.09  WW 2013-14 3.55 ± 0.14 3.47 ± 0.05 3.51 ± 0.08 3.38 ± 0.13 3.53a ± 0.07 3.42a ± 0.07 3.51a ± 0.07 3.44a ± 0.07  Maize 2015 2.25 ± 0.27 2.16 ± 0.09 2.03 ± 0.14 2.26 ± 0.13 2.14a ± 0.15 2.21a ± 0.08 2.20a ± 0.13 2.15a ± 0.1  K [g/kg] WW 2010-11 3.78 ± 0.03 3.74 ± 0.04 3.87 ± 0.04 3.84 ± 0.1 3.82a ± 0.03 3.79a ± 0.05 3.76a ± 0.02 3.86a ± 0.05  WW 2011-12 3.82 ± 0.2 4.03 ± 0.24 4.25 ± 0.08 4.22 ± 0.09 4.03a ± 0.13 4.13a ± 0.12 **3.92b ± 0.15 4.23a ± 0.06**  Faba 2013 11.42 ± 0.23 11.35 ± 0.31 11.5 ± 0.3 11.17 ± 0.2 11.46a ± 0.18 11.26a ± 0.18 11.39a ± 0.18 11.33a ± 0.18  WW 2013-14 3.66 ± 0.19 3.66 ± 0.08 3.82 ± 0.15 3.58 ± 0.1 3.74a ± 0.11 3.62a ± 0.06 3.66a ± 0.09 3.70a ± 0.09  Maize 2015 3.47 ± 0.2 3.39 ± 0.12 3.65 ± 0.18 3.79 ± 0.26 3.56a ± 0.13 3.59a ± 0.15 **3.43b ± 0.11 3.72a ± 0.15** |