

# List of Publications

Dr. agr. Kathrin Grahmann

## Journal articles (peer reviewed)

- Grahmann, K.**, Rubio, V., Terra, J., Quincke, A. 2020. Long-term observations in contrasting crop-pasture rotations over half a century 1. Statistical analysis of chemical soil properties and implications for soil sampling frequency. *Agriculture, Ecosystems and Environment* 287, XX.
- Grahmann, K.**, Dittert, K., Verhulst, N., Govaerts, B., Buerkert, A., 2019. <sup>15</sup>N Fertilizer recovery in different tillage–straw systems on a Vertisol in north-west Mexico. *Soil Use and Management* 35, 482–491.
- Grahmann, K.**, Verhulst, N., Dittert, K., Govaerts, B., & Buerkert, A. 2018. High N fertilizer application to irrigated wheat in Northern Mexico for conventionally tilled and permanent raised beds: Effects on N balance and short-term N dynamics. *Journal of Plant Nutrition and Soil Science* 181, 606-620.
- Grahmann, K.**, Verhulst, N., Mora Palomino, L., Bischoff, W.A., Govaerts, B., Buerkert, A. 2018. Ion exchange resin samplers to estimate nitrate leaching from a furrow irrigated wheat-maize cropping system under different tillage-straw systems. *Soil & Tillage Research* 175, 91-100.
- Grahmann, K.**, Govaerts, B., Fonteyne, S., Guzman, C., Galaviz Soto, A.P., Buerkert, A., Verhulst, N., 2016. Nitrogen fertilizer placement and timing affects bread wheat (*Triticum aestivum*) quality and yield in an irrigated bed planting system. *Nutrient cycling in Agroecosystems* 106, 185-199.
- Grahmann, K.**, Verhulst, N., Peña, R. J., Buerkert, A., Vargas-Rojas, L., Govaerts, B., 2014. Durum wheat (*Triticum durum* L.) quality and yield as affected by tillage-straw management and nitrogen fertilization practice under furrow-irrigated conditions. *Field Crops Research* 164, 166-177.
- Grahmann, K.**, Verhulst, N., Buerkert, A., Ortiz-Monasterio, I., Govaerts, B., 2013. Nitrogen use efficiency and optimization of nitrogen fertilization in conservation agriculture. *CAB Reviews* 8, No. 053, Online ISSN 1749-8848.

## Journal articles (other)

- Grahmann, K.**, Quincke, A., Ciganda, V., 2018. Nitrate-nitrogen losses through leaching in continuous cropping systems and crop-pasture rotation. Technical report in INIA magazine Nr.55, ISSN - 1510 - 9011, in Spanish. <http://www.inia.uy/Publicaciones/Documentos%20compartidos/Revista-INIA-55-diciembre-2018.pdf>
- Verhulst, N., Francois, I.M., **Grahmann, K.**, Cox, R., Govaerts, B., 2014. Nitrogen use efficiency and optimization of nitrogen fertilization in conservation agriculture. ii, 6 p. Mexico, DF (Mexico). CIMMYT.

## Conference Proceedings

- Grahmann, K.,** Schwalm, H., Sawchik, J., Quincke, A., 2019. Erosión a largo plazo en agricultura con siembra directa en Uruguay (Engl. Long-term erosion under conservation agriculture in Uruguay). Latin-American Congress of Soil Science, Montevideo, Uruguay; 7-11 October 2019, Oral presentation
- Grahmann, K.,** Quehl, H., Quincke, A., 2019. Método simplificado para determinar longitud y biomasa radicular en condiciones de invernáculo para sorgo (*Sorghum bicolor*) (Engl. Simplified method to determine root length and biomass of Sorghum under greenhouse conditions). Latin-American Congress of Soil Science, Montevideo, Uruguay; 7-11 October 2019, Poster presentation
- Grahmann, K.,** Sawchik, J., Rubio, V., Barro, R., Terra, J., Quincke, A., 2019. 55 years of continuous soil surveys: lessons learned and future considerations for the management of long-term experiments. 6th International Symposium for Farming System Design, Montevideo, Uruguay, 18-21 August 2019, Oral presentation and full paper
- Grahmann, K.,** Quehl, H., Schwalm, H., Quincke, A., Quincke, M., 2019. Breeding progress in Uruguayan wheat cultivars over the last century. 1<sup>st</sup> International Wheat Congress, Poster presentation, Saskatoon, Canada, 21-26 July.
- Grahmann, K.,** Verhulst, V., Govaerts, B., Dittert, K., Bürkert, A., 2018. Challenges of <sup>15</sup>N field studies to measure N fertilizer recovery under irrigated conservation agriculture. In: ISTRO 21th Triennial Conference Proceedings, Paris, France, 24-28 September.
- Vizuite Jaramillo, E., **Grahmann, K.,** Mora Palomino, L., Encinas Arballo, A., Robles Morúa, A., 2017. Evaluation of Nutrient Availability Using Ion Exchange Resins in a Seasonal Period in the Cuchujaqui River Basin. In: Annual Meeting of the Mexican Geophysical Union, Puerto Vallarta, Mexico, 22-27 October.
- Grahmann, K.,** Vizuite Jaramillo, E., Robles Morúa, A., 2016. Evaluación de disponibilidad de nutrientes en el suelo en la cuenca del Cuchujaqui con cajas acumuladoras de iones. In: Third International Congress in Environmental Engineering, Guaymas, Mexico, 17-18 March.
- Grahmann, K.,** Verhulst, V., Mora Palomino, L., Bischoff, W.A., Govaerts, B., Bürkert, A., 2015. Ion exchange resins to estimate mineral-nitrogen leaching from an furrow irrigated wheat-maize cropping system under different tillage-straw management in Northern Mexico. In: ISTRO 20th Triennial Conference Proceedings, Nanyang, China, 14-18 September.
- Grahmann, K.,** Verhulst, N., Peña, J., Buerkert, A., Govaerts, B., 2012. Effects of Tillage-Residue Management and Dose and Timing of Nitrogen Fertilization on Durum Wheat Yield and Grain Quality in an Irrigated Bed Planting System in Northwestern Mexico. In: ISTRO 19th Triennial Conference Proceedings, Montevideo, Uruguay, 24-28 September.
- Ahl, C., **Grahmann, K.,** Ernst, O. 2012. Influence of grazing intensities on soil properties of a no tillage grassland site in western Uruguay. In: ISTRO 19th Triennial Conference Proceedings, Montevideo, Uruguay, 24-28 September.