

Georg-August-Universität Göttingen
Department für Nutzpflanzenwissenschaften
Abt. Pflanzenernährung und Ertragsphysiologie

Verzeichnis der Veröffentlichungen
(List of publications)

2020 - 2025

2025

- Ecke J**, Well R, Maier M, Matson A, **Dittert K**, Rummel PS (2025) Determining N₂O and N₂ fluxes in relation to winter wheat and sugar beet growth and development using the improved ¹⁵N gas flux method on the field scale. BIOL FERT SOILS 10.1007: 0-0, <https://doi.org/10.1007/s00374-024-01806-z>
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- Höpker, C., Dittert, K.** & Olfs, Hans-Werner (2025). On-Farm Application of Near-Infrared Spectroscopy for the Determination of Nutrients in Liquid Organic Manures: Challenges and Opportunities. Agriculture, 15(2), 185. <https://doi.org/10.3390/agriculture15020185>
- Kleineidam K, Böttcher J, Butterbach-Bahl K, Dannenmann M, **Dittert K**, Dörsch P, Fiedler S, Frosch T, Grosz B, Henjes S, Horn MA, Ippisch O, Jansen-Willems A, Kaiser K, Kempe M, Köster JR, Geers-Lucas M, Malique F, Matson A, Merian A, Mikutta R, Müller CW, Ramm E, Rohe L, Rummel PS, Scheer C, Schimpf CM, Schlüter S, Schulze J, Surey R, Tenspolde A, van Dijk H, Vogel HJ, Well R, Wrage-Mönnig N, Yankelzon I, Zawallich J, Müller C (2025). Denitrification in Agricultural Soils – Integrated control and Modelling at various scales (DASIM). Biology and Fertility of Soils, 61(3), 329-342. <https://doi.org/10.1007/s00374-025-01894-5>
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- Li S, Geng Y, Li H, Zhou T, Li H, Ren R, Li P, Duan F, Liu Z, **Wang H**, Cheng Si B (2025) The combination of 3,4-dimethylpyrazole phosphate and alternate drip irrigation with low irrigation quotas resulted in the lowest NH₃ and N₂O emissions. AGR WATER MANAGE 323: 1-12, <https://doi.org/10.1016/j.agwat.2025.110064>
- Liu T**, **Palisaar J**, Grünhofer P, Zeisler-Diehl V, Schreiber L, **Dittert K**, Kreszies T (2026) Nitrogen availability affects aerenchyma formation and suberization in early root development of soil-grown maize. PLANT SCI 362: 112786, <https://doi.org/10.1016/j.plantsci.2025.112786>
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- Rühmann C, **Naumann M**, Peters R (2025) Welche Methode zur Krautminderung überzeugt?. Kartoffelbau : die Fachzeitschrift für den Kartoffelanbauer / Union der Deutschen Kartoffelwirtschaft e.V. Unika 76: 24-28
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- Najdenko E, Lorenz F, **Dittert K**, Olfs HW (2024) Rapid in-field soil analysis of plant-available nutrients and pH for precision agriculture - a review. *PRECIS AGRIC* 25 (6):3189-3218, <https://doi.org/10.1007/s11119-024-10181-6>
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