

Publication record on 12.05.2016

*Journal publications:*

- 1) **Hoffmann, M.P.**, Castaneda Vera, A., van Wijk, M.T., Giller, K.E., Oberthür, T., Donough, C., Whitbread, A.M., (2014) Simulating potential growth and yield in oil palm with PALMSIM: Model description, evaluation and application. *Agricultural Systems* 131: 1-10. doi:10.1016/j.agsy.2014.07.006
- 2) **Hoffmann, M.P.**, Jacobs, A., Whitbread, A.M., (2015) Crop modelling based analysis of site-specific production limitations of winter oilseed rape in northern Germany. *Field Crops Research* 178: 49-62. doi:10.1016/j.fcr.2015.03.018
- 3) **Hoffmann, M.P.**, Donough, C., Oberthür, T., Castaneda Vera, A., van Wijk, M.T., Lim, C.H., Asmono, D., Samosir, Y., Lubis, A.P., Moses, D.S., Whitbread, A.M. (2015) Benchmarking Yield for Sustainable Intensification of Oil Palm Production in Indonesia using PALMSIM. *The Planter* 91: 81-96.
- 4) Kollas, C., Kersebaum, K., Nendel, C., Manevski, K., Müller, C., Palosuo, T., Armas-Herrera, C., Beaudoin, N., Bindi, M., Charfeddine, M., Conradt, T., Constantin, J., Eitzinger, J., Ewert, F., Ferrise, R., Gaiser, T., Garcia, I., de Cortazar-Atauri, Giglio, L., Hlavinka P., Hoffmann, H., **Hoffmann, M.P.**, Launay, M., Manderscheid, R., Mary, B., Mirschel, W., Moriondo, M., Olesen, J., Öztürk, I., Pacholski, A., Ripoche-Wachter, D., Roggero, P., Roncossek S., Rötter, R., Ruget, F., Sharif, B., Trnka, M., Ventrella, D., Waha, K., Wegehenkel, M., Weigel, H.J., Wu, L., (2015) Crop rotation modelling - a European model intercomparison. *European Journal of Agronomy* 70: 98-111. doi:10.1016/j.eja.2015.06.007
- 5) **Hoffmann, M.P.**, Llewellyn, R., Davoren, C.W., Whitbread, A.M. (2016) Assessing the potential for zone-specific management of cereals in low rainfall South-eastern Australia: Combining on-farm results and simulation analysis. *Journal of Agronomy and Crop Science*. Early View. doi: 10.1111/jac.12159
- 6) Euler, M., **Hoffmann, M.P.**, Fathoni, Z. Schwarze, S. (2016) Exploring yield gaps in smallholder oil palm production systems in eastern Sumatra, Indonesia. *Agricultural Systems* 146: 111-119. 10.1016/j.agsy.2016.04.007
- 7) Zeng, W., Wu, J. **Hoffmann, M.P.**, Xu, C., Ma, T., Huang, J., (2016) Testing of the APSIM sunflower model on the saline soils of Inner Mongolia, China. *Field Crops Research* 192: 42-54. doi:10.1016/j.fcr.2016.04.013

*Conference contributions:*

Oral:

- 1) Hoffmann, M.P., Jacobs, A., Whitbread, A.M., (2014) Modelling winter oilseed rape (*Brassica Napus* L.) in Germany to develop site-specific nitrogen fertiliser strategies. ESA conference, 25.-29. August, Debrecen, Hungary.
- 2) Rhebergen, T., Hoffmann, M.P., Zingore, S., Oberthür, T., Acheampong, K., Dwumfour, G., Zutah, V., Adu-Frimpong, C., Ohipeni, F., Fairhurst, T., (2014) The effects of climate, soil and oil palm management practices on yield in Ghana. International oil palm conference (IOPC) 17 to 19 June, Bali, Indonesia.
- 3) Lekalakala, G., Hoffmann, M.P., Odhiambo, J., Ayisi, K., Whitbread, A.M., (2014) Can in-situ rainwater harvesting or conservation tillage practices reduce climate-related risk for maize based systems in the Limpopo Province, RSA? Tropentag. September 17-19 in Prague, Czech Republic.
- 4) Euler, M., Hoffmann, M.P., Fathoni, Z. Schwarze, S.; (2015) Exploring yield gaps in smallholder oil palm production systems in eastern Sumatra, Indonesia. Tropentag, Berlin.

5) Zhao, G., Hoffmann, M.P., Schellberg, J. (2016) Vulnerability of grain maize yield under meteorological droughts: a comparison of commercial with subsistence farms in South Africa. ICROP. Berlin.

Poster:

1) Hoffmann, M.P., Kühne, R.F., Simarmata, T., Whitbread, A.M. (2011). Maintenance of soil quality in an intensive horticultural system in the highlands of West Java (Indonesia). Tropentag. Poster Presentation. 5-7. October 2011. Bonn.

2) Hoffmann, M.P., Oberthür, T., Donough, C., Pasuquin, JM., Abdurrohman, G., Ramadsyah, Lubis, A., Dolong, T. van Wijk, M., Whitbread, A. (2012). Simulating potential yield in oil palm with PALMSIM: its application in yield gap analysis and the limitations. Tropentag. Poster Presentation. 19.-21. September. Göttingen.

3) Pasuquin, JM., Prabowo, N., Oberthür, T., Donough C., Hoffmann, M.P., Rahmadsah, Lubis, A. (2012) Evaluation of a yield prediction model to support yield gap analysis in oil palm. Japanese Society of Soil Science and Plant Nutrition (JSSSPN) Annual Conference.