

1. **Misiewicz, P. A.**, Richards, T. E., Hann, M. J. and Godwin R. J. 2007. Techniques for estimating the equivalent pressure from tyre carcass stiffness. XXXII CIOSTA & CIGR Section V Conference, "Advances in labour and machinery management for a profitable agriculture and forestry", Slovak University of Agriculture, Nitra, Slovakia, 17-19th September 2007
2. **Misiewicz, P. A.**, Richards, T. E., Blackburn, K., Brighton, J. L., Hann, M. J. and Godwin, R. J. 2008. Techniques for estimating contact pressure resulting from loaded agricultural tyres. *ASABE Annual International Meeting, Rhode Island, Providence, June 2008* (No. 083511)
3. **Misiewicz, P. A.**, Richards, T. E., Blackburn, K., Hann, M. J. and Godwin, R. J. 2009. Evaluation of the Contact Pressure Distribution of a Rear Combine Tyre on a Hard Surface *28th Annual Meeting and Conference on Tire Science and Technology, Akron, Ohio, 15–16 September, 2009*
4. **Misiewicz, P. A.**, Richards, T. J., Blackburn, K., Hann, M. J. and Godwin, R. J. J 2009. Soil contact pressure resulting from loaded agricultural tyres *IV International Scientific Symposium on Sustainable Agriculture, 19 – 20 November, 2009, Lublin, Poland*
5. Mantovani, E. C., **Misiewicz, P. A.** and White, D. R. and Godwin, R. J. 2011. Measuring spatially-variable N requirements of maize. *Open Fields*
6. Mantovani, E. C., **Misiewicz, P. A.** and White, D. R. and Godwin, R. J. 2012. Results of preliminary study to assess spatially variable Nitrogen application rates during the growth of forage maize in commercial fields in the UK *International Conference of Agricultural Engineering, CIGR-AgEng2012, Valencia, 8-12 July, 2012*
7. Kristof, K., Smith, E. K., **Misiewicz, P. A.**, Kroulik, M., White, D. R. and Godwin, R. J. 2012. Establishment of a long term experiment into tillage and traffic management. Part two: Evaluation of spatial heterogeneity for the design and layout of experimental sites *International Conference of Agricultural Engineering, CIGR-agENG2012, Valencia, 8-12 July, 2012*
8. Kroulik, M., Kviz, Z., Masek, J. and **Misiewicz, P. A.** 2012. Benefits of GPS Agricultural Guidance for Sustainable Agriculture *Agrociencia* 16 (3)
9. Smith, E. K., Kristof, K., **Misiewicz, P. A.**, Chaney, K., White, D. R., Godwin, R. J. 2012. Establishment of a long term experiment into tillage and traffic management. Part One: study background and experimental design *International Conference of Agricultural Engineering, CIGR-AgEng2012, Valencia, 8-12 July, 2012*
10. Norton, T. and **Misiewicz, P.A.** 2012. Ozone for water treatment and its potential for process water reuse in the food industry, published in Ozone in Food Processing, First Edition. Edited by Colm O'Donnell, B.K. Tiwari, P.J. Cullen and Rip. G. Rice, Blackwell Publishing Ltd
11. Smith, E. K., **Misiewicz, P. A.**, Chaney, K., White, D. R., Godwin, R. J. 2013. An investigation into the effect of traffic and tillage on soil properties and crop yields – conference abstract. *Association of Applied Biologists (AAB) Conference, Harper Adams University, October 2012*
12. Smith, E. K., Kristof, K., **Misiewicz, P. A.**, Chaney, K., White, D. R. and Godwin, R. J. 2013. An investigation into the effect of traffic and tillage on soil properties and crop

yields. *First International CTF Conference CTF2013, Toowoomba, Queensland, 25-27 February 2013*

13. Smith, E. K., Kristof, K., **Misiewicz, P. A.**, Chaney, K., White, D. R., Godwin, R. J. 2013. An investigation into the effect of traffic and tillage on soil properties and crop yields – conference abstract. AgriFood Charities Partnership (AFCP) Forum, NIAB-TAG, March 2013
14. Smith, E. K., Kristof, K., **Misiewicz, P. A.**, Chaney, K., White, D. R., Godwin, R. J. 2013. An investigation into the effect of traffic and tillage on soil properties and crop yields. *ASABE Annual International Meeting, Kansas City, Missouri, 21 – 24 July 2013*
15. Godwin, R. J., **Misiewicz, P. A.**, White, D. R. and Underhill, T. 2013. The prediction of the force and energy requirements to fill soil engaging buckets. *ASABE Annual International Meeting, Kansas City, Missouri, 21 – 24 July 2013*
16. Chyba, J., Kroulík, M., Kristof, K., **Misiewicz P.A.**, Chaney K. 2014. Influence of soil compaction by farm machinery and livestock on water infiltration rate on grassland. *Agronomy Research* 12(1), 59-64
17. Girardello, V.C., Amado, T.J.C., **Misiewicz, P.A.**, Smith E.K. 2014. Tráfego controlado de máquinas agrícolas: a experiência inglesa e perspectivas de adoção no Sul do Brasil. *Revista Plantio Direto* 137, 42-50
18. Smith, E.K., **Misiewicz, P.A.**, Girardello, V., Arslan, S., Chaney, K., White, D.R., Godwin, R.J. 2014. Effects of traffic and tillage on crop yield (winter wheat *Triticum aestivum*) and the physical properties of a sandy loam soil. *ASABE – CSBE/ASABE Annual Meeting (Paper No: 1912652), Montreal, Quebec Canada, 13-16 July, 2014*
19. Smith, E.K., **Misiewicz, P.A.**, Chaney, K., White, D.R., Godwin, R.J. 2014. Effect of tracks and tyres on soil physical properties in a sandy loam soil. *ASABE – CSBE/ASABE Annual Meeting (Paper No: 1912659), Montreal, Quebec Canada, 13-16 July, 2014*
20. Smith, E.K., **Misiewicz, P.A.**, Chaney, K., White, D.R., Godwin, R.J. 2014. The effect of traffic and tillage on crop growth and yield in a sandy loam soil. [On-line]. Beyond Agronomy. Available from:
<http://beyondagronomy.com//cmsFiles/documents/document525c22c6c07fd.pdf>
21. Arslan, S., **Misiewicz, P.A.**, Smith, E.K., Tsiropoulos, Z., Girardello, V.C., White, D.R., Godwin, R.J. 2014. Fuel consumptions and draft power requirements of three soil tillage methods and three field traffic systems. *ASABE – CSBE/ASABE Annual Meeting (Paper No: 1900051), Montreal, Quebec Canada, 13-16 July, 2014*
22. SULAIMAN, N, CROOK, M, **MISIEWICZ, P**, WHITE, D and R GODWIN 2014. The effect of tillage systems on soil strength properties and the anchorage moment of winter wheat. *ASABE and CSBE/SCGAB Annual International Meeting, July 13 - 16, 2014 Montreal, Quebec Canada, 13-16 July, 2014*
23. SULAIMAN, N, CROOK, M, **MISIEWICZ, P**, WHITE, D and R GODWIN 2014. Effect of Soil Type and Bulk Density on the Above Ground Properties Associated with Lodging and on the Anchorage Strength of Wheat. *ASA, CSSA, & SSSA International Annual Meeting, Long Beach, CA, USA, Nov. 2 – 5, 2014*
24. Chyba, J., Kroulík, M., **Misiewicz, P.A.**, Smith, E.K., Krištof, K. 2014. Farm machinery passes, compaction and water flow through arable soil. OpenFields

25. Kroulik, M., **Misiewicz, P.A.**, Chyba, J., White, D.R. 2014. Field traffic intensity for forage harvesting in the UK. *OpenFields*
26. **Misiewicz, P.A.**, Blackburn, K., Richards, T.E., Brighton, J.L., Godwin, R.J. 2015. The evaluation and calibration of pressure mapping system for the measurement of the pressure distribution of agricultural tyres. *Biosystems Engineering*, 130, p. 81 – 91
27. Arslan, S., **Misiewicz, P.A.**, Smith E.K., Underhill, T., Franklin, K., White, D.R., Godwin, R.J. 2015. The effect of tire tracks on draft force requirements of soil tillage and field traffic systems, *ASABE Annual International Meeting*, Paper Number: 2189648, New Orleans, Louisiana, July 26 – 29, 2015
28. **Misiewicz, P.A.**, Richards, T.E., Godwin, R.J. 2015. Estimations and Measurements of Carcass Stiffness of Agricultural Tires on a Hard Surface, *ASABE Annual International Meeting*, Paper Number: 2189648, New Orleans, Louisiana, July 26 – 29, 2015
29. Martlew, J., **Misiewicz, P.A.**, Chaney, K., Woods, S., Moore, M. 2015. Establishment of a field-scale trial to investigate the effects of traffic and tillage systems for row crops in Sub-Saharan Africa, *ASABE Annual International Meeting*, Paper Number: 2189648, New Orleans, Louisiana, July 26 – 29, 2015
30. Tsiropoulos, Z., Fountas, S., Gravalos, I., Augoustis, A., Arslan, S., **Misiewicz, P.** 2015. Importance of measuring tillage implement forces for reduced fuel consumption and increased efficiency without affecting tillage depth, published in *Precision Agriculture* 2015, pp. 353 – 360, DOI: [10.3920/978-90-8686-814-8_43](https://doi.org/10.3920/978-90-8686-814-8_43)
31. Godwin, **Misiewicz**, White, Smith, Chamen, Galambošová, Stobart, 2015. Results From Recent Traffic Systems Research And The Implications For Future Work, *Acta Technologica Agriculturae*. Volume 18, Issue 3, Pages 57–63, ISSN (Online) 1338-5267, DOI: [10.1515/ata-2015-0013](https://doi.org/10.1515/ata-2015-0013)
32. **Misiewicz, P.A.**, Richards, T.E., Blackburn, K., Godwin, R.J. 2016. Comparison of methods for estimating the carcass stiffness of agricultural tyres on hard surfaces. *Biosystems Engineering*, 147, p. 183 – 192
33. Millington, W.A.J., **Misiewicz, P.A.**, Dickin, E.T., White, D.R., Godwin, R.J., 2016, An investigation into the effect of soil compaction and tillage on plant growth and yield of winter barley (*Hordeum vulgare L.*), *ASABE Annual International Meeting*, Paper Number: 162461725, Orlando, Florida, July 17-20, 2016, DOI: [10.13031/aim.20162461725](https://doi.org/10.13031/aim.20162461725)
34. Hargreaves, P, Peets, S, Chamen WCT, **Misiewicz, PA**, White, DR, Godwin, RJ. (2016). Controlled Traffic Farming: Methods applied to Grassland Silage Management, AHDB Dairy Report. *In press*. Stoneleigh Park, Kenilworth, Warwickshire, CV8 2TL.
35. Godwin, R.J., **Misiewicz, P.A.**, Smith, E.K., Millington, W.A.J., White, D.R., Dickin, E.T., Chaney, K. 2017, Summary of the effects of three tillage and three traffic systems on cereal yields over a four-year rotation, *Aspects of Applied Biology* 134, 2017 *Crop Production in Southern Britain*.
36. Chyba, J., Kroulík, M., Krištof, K. and **Misiewicz, P.A.** 2017, The influence of agricultural traffic on soil infiltration rates, *Agronomy Research* 15(3), 664–673.

37. P.R. Hargreaves, S. Peets, W.C.T. Chamen, D.R. White, **P.A. Misiewicz**, R.J. Godwin. 2017. Potential for controlled traffic farming (CTF) in grass silage production: agronomics, system design and economics *Advances in Animal Biosciences*, **8**. pp.776-781.
38. S. Peets, W.C.T. Chamen, R.J. Godwin, D.R. White, **P.A. Misiewicz**, and P.R. Hargreaves, 2017, System design and economics of Controlled Traffic Farming in grass silage production. *Biosystems Engineering Conference in Tartu, Estonia, May 2017*. DOI:10.13031/aim.201700145.
39. Peets, S., Chamen, W.C.T., Godwin, R.J., White, D.R., **Misiewicz, P.A.** & Hargreaves, P.R. 2017. System design and the economics for controlled traffic farming (CTF) in grass silage production. ASABE Paper No.: 1700145. St. Joseph, MI.: 2018 ASABE Annual International Meeting, American Society of Agricultural and Biological Engineers. DOI: 10.13031/aim.201700145
40. Richard Godwin, Tim Chamen, Paul Hargreaves, Sven Peets, **Paula Misiewicz**, David White¹ 2017, SYSTEM DESIGN AND ECONOMIC BENEFITS OF CONTROLLED TRAFFIC FARMING IN GRASS SILAGE PRODUCTION, Precision Livestock Farming conference, November 2017, New Zealand
41. Millington, W.A., **Misiewicz, P.A.**, White, D.R., Dickin, E.T., Mooney, S.J. and Godwin, R.J., 2017. An investigation into the effect of traffic and tillage on soil properties using X-ray computed tomography. *ASABE Annual International Meeting, Spokane, Washington, USA, 16-19 July, 2017*, p. 1700380.
42. Md Rayhan Shaheb, Tony E. Grift, Richard J. Godwin, Edward Dickin, David R. White, **Paula A. Misiewicz**. 2018. Effect of tire inflation pressure on soil properties and yield in a corn - soybean rotation for three tillage systems in the Midwestern United States. *ASABE Annual International Meeting, Detroit, Michigan, USA, July 29 - August 1, 2018*, p. 1801834. (doi: 10.13031/aim.201801834)
43. D.L. Antille, S. Peets, J. Galambošová, G.F. Botta, V. Rataj, M. Macák, J.N. Tullberg, W.C.T. Chamen, D.R. White, **P.A. Misiewicz**, P.R. Hargreaves, J.F. Bienvenido, R.J. Godwin (2019) Review: soil compaction and controlled traffic farming in arable and grass cropping systems *Agronomy Research*, **17**. pp.653-682
44. Hargreaves, P.R., Peets, S., Chamen, W.C.T. et al. 2019. Improving grass silage production with controlled traffic farming (CTF): agronomics, system design and economics. *Precision Agric* **20**, 260–277. <https://doi.org/10.1007/s11119-018-09633-7>
45. Kaczorowska-Dolowy, M., Godwin, R. J., Dickin, E. T., White, D. R. and **Misiewicz, P. A.** 2019. Controlled traffic farming delivers better crop yield of winter bean as a result of improved root development. *Agronomy Research*, **17** (3), pp. 725-740.
46. S. Peets, **P.A. Misiewicz**, S. Woods, B. Ngwene, J. Burbidge, G.R. Barlow. 2019. Mechanization of smallholders in Sub-Saharan Africa by agrodealer development. *ASABE Annual International Meeting, Boston, Massachusetts, July 7–10, 2019*, paper: 1901285. (doi: 10.13031/aim.201901285).
47. J. Galambošová, M. Macák, V. Rataj, M. Barát, **P.A. Misiewicz**. 2020. Determining trafficked areas using soil electrical conductivity – a pilot study *Acta Technologica Agriculturae*, **23**. pp.1-6

48. Md Rayhan Shaheb, **Paula A Misiewicz**, Richard J. Godwin, Edward Dickin, David R. White, Sacha Mooney, Iwona Dobrucka, Lawrence W. Dobrucki, Tony E. Grift. 2020. A quantification of soil porosity using X-ray Computed Tomography of a Drummer silty clay loam soil. *ASABE Annual International Virtual Meeting, July 12–15, 2020*, paper: 2000875 (doi: 10.13031/aim.202000875)
49. M.A. Kaczorowska-Dolowy, **P.A. Misiewicz**, E. Dickin, D.R. White, Millington W.A.J., Smith E.K., R. J. Godwin. 2020. The effect of traffic and tillage on soil biology and crop yields in a long-term experiment on sandy loam. *ASABE Annual International Virtual Meeting, July 12–15, 2020*, paper: 2000139.