

Bibliography

Allison, G.B., Gee, G.W., Tyler, S.W., 1994. Vadose-Zone Techniques for Estimating Groundwater Recharge in Arid and Semiarid Regions. *Soil Science Society of America Journal* 58, 6–14.

Cayuela, M.L., Aguilera, E., Sanz-Cobena, A., Adams, D.C., Abalos, D., Barton, L., Ryals, R., Silver, W.L., Alfaro, M.A., Pappa, V.A., Smith, P., Garnier, J., Billen, G., Bouwman, L., Bondeau, A., Lassaletta, L., 2017. Direct nitrous oxide emissions in Mediterranean climate cropping systems: Emission factors based on a meta-analysis of available measurement data. *Agriculture, Ecosystems & Environment* 238, 25–35.

Export.gov.il, 2020. Israeli Agricultural Export.

EU 2021. Regulation (EU) 2021/1119 of the European Parliament and of the Council of 30 June 2021 establishing the framework for achieving climate neutrality and amending Regulations (EC) No 401/2009 and (EU) 2018/1999 ('European Climate Law'), OJ L 243, 9.7.2021, p. 1-17.

Forster, P., Ramaswamy, V., Artaxo, P., Berntsen, T., Betts, R., Fahey, D.W., Haywood, J., Lean, J., Lowe, D.C., Myhre, G., Nganga, J., Prinn, R., Raga, G., Schulz, M., Van Dorland, R., 2007. The Physical Science Basis. Contribution of Working Group I to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change. IPCC, Climate Change 2007.

Gelfand, I., Cui, M., Tang, J., Robertson, G.P., 2015. Short-term drought response of N₂O and CO₂ emissions from mesic agricultural soils in the US Midwest. *Agriculture, Ecosystems and Environment* 212.

Gelfand, I., Robertson, G.P., 2015. Mitigation of greenhouse gases in agricultural ecosystems, in: *The Ecology of Agricultural Landscapes: Long-Term Research on the Path to Sustainability*. p. 310.

Heller, H., Bar-Tal, A., Tamir, G., Bloom, P., Venterea, R.T., Chen, D., Zhang, Y., Clapp, C.E., Fine, P., 2010. Effects of manure and cultivation on carbon dioxide and nitrous oxide emissions from a corn field under mediterranean conditions. *Journal of Environmental Quality* 39, 437–448.

Israeli GHG report, 2021. <https://unfccc.int/documents/370343>

Minikae, D., Zurgel, U., Tripler, E., Gelfand, I., 2021. Effect of increasing nitrogen fertilization on soil nitrous oxide emissions and nitrate leaching in a young date palm (*Phoenix dactylifera* L., cv. Medjool) orchard. *Agriculture, Ecosystems & Environment* 319, 107569.

MOAG, 2019. Date fertilization recommendations. www.moag.gov.il/, agri.arava.co.il

Robertson, G.P., 2014. Soil greenhouse gas emissions and their mitigation. *Encyclopedia of Agriculture and Food Systems*. San Diego: Elsevier. P 185–196.

Sanz-Cobena, A., Lassaletta, L., Aguilera, E., Prado, A. del, Garnier, J., Billen, G., Iglesias, A., Sánchez, B., Guardia, G., Abalos, D., Plaza-Bonilla, D., Puigdueta-Bartolomé, I., Moral, R., Galán, E., Arriaga, H., Merino, P., Infante-Amate, J., Mejjide, A., Pardo, G., Álvaro-Fuentes, J., Gilsanz, C., Báez, D., Doltra, J., González-Ubierna, S., Cayuela, M.L., Menéndez, S., Díaz-Pinés, E., Le-Noë, J., Quemada, M., Estellés, F., Calvet, S., van Grinsven, H.J.M., Westhoek, H., Sanz, M.J., Gimeno, B.S., Vallejo, A., Smith, P., 2017. Strategies for greenhouse gas emissions mitigation in Mediterranean agriculture: A review. *Agriculture, Ecosystems & Environment* 238, 5–24.

Shcherbak, I., Millar, N., Robertson, G.P., 2014. Global metaanalysis of the nonlinear response of soil nitrous oxide (N₂O) emissions to fertilizer nitrogen. *Proceedings of the National Academy of Sciences* 111, 9199–9204.

Thompson, R.L., Lassaletta, L., Patra, P.K., Wilson, C., Wells, K.C., Gressent, A., Koffi, E.N., Chipperfield, M.P., Winiwarter, W., Davidson, E.A., Tian, H., Canadell, J.G., 2019. Acceleration of global N₂O emissions seen from two decades of atmospheric inversion. *Nature Climate Change*.

Water Quality Report, 2000. <https://lib.cet.ac.il/pages/item.asp?item=4439>