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4. **Reference to a chapter in a book:** Horn, R., 2021. Soils in agricultural engineering: Effect of land-use management systems on mechanical soil processes. In Hunt, A., Egli, M., Faybishenko, B. (eds.), *Hydrogeology, Chemical Weathering, and Soil Formation*. Wiley & Sons, Hoboken, NJ, USA, pp. 187–199. <https://doi.org/10.1002/9781119563969.ch10a>
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7. **Reference to a website:** CIMMYT, 2010. Maize Doctor. International Maize and Wheat Improvement Centre. http://maizedoctor.cimmyt.org/index.php?option=com_content&task=view&id=8
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