



Recommended Readings and Online Resources

Description

Recommended readings for unit 3 of the [Course on Genomics, Ethics, and Society](#).

Body

Recommended Readings:

- Altman, A. & Hasegawa, P. M. (Eds.) (2012). *Plant biotechnology and agriculture*. Oxford: Academic Press/Elsevier Press.
- Dunwell, J. M. (2010). Crop biotechnology: prospects and opportunities. *The Journal of Agricultural Science*, 149, 17-27.
- Gouse, M., Pray, C., & Schimmelpfennig, D. (2004). The distribution of benefits from Bt cotton adoption in South Africa. *AgBioForum*, 7, 187-194.
- Gouse, M., Pray, C., Schimmelpfennig, D., & Kirsten, J. (2006). Three seasons of subsistence insect-resistant maize in South Africa: Have smallholders benefited? *AgBioForum*, 9, 15-22.
- Hansson, S. O., & Joelsson, K. (2013). Crop biotechnology for the environment? *Journal of Agricultural and Environmental Ethics*, 26, 759-770.
- Kimenju, S. C., & De Groote, H. (2008). Consumers' willingness to pay for genetically modified food in Kenya. *Agricultural Economics*, 38, 35-46.
- Kushwaha, S., Musa, A. S., Lowenberg- DeBoer, J., & Fulton, J. (2008). Consumer acceptance of genetically modified (GM) — Cowpeas in sub-Saharan Africa. *Journal of International Food & Agribusiness Marketing*, 20, 7-23.

- Lusser, M., Parisi, C., Plan, D. & Rodríguez-Cerezo, E. (2012). Deployment of new biotechnologies in plant breeding. *Nature Biotechnology*, 30, 231-239.
- Meenakshi, J. V., Johnson, N. L., Manyong, V. M., DeGroot, H., Javelosa, J., Yanggen, D. R., et al. (2010). How cost-effective is biofortification in combating micronutrient malnutrition? An ex ante assessment. *World Development*, 38, 64-75.
- Morrell, P.L., Buckler, E.S. & Ross-Ibarra, J. (2012). Crop genomics: advances and applications. *Nature Reviews Genetics*, 13, 85-96.
- Qaim, M. (2009). The economics of genetically modified crops. *Annual Review of Resource Economics*, 1, 665-694.
- Qaim, M., & Zilberman, D. (2003). Yield effects of genetically modified crops in developing countries. *Science*, 299, 900-902.
- Stein, A. J. & Rodríguez-Cerezo, E. (2010). International trade and the global pipeline of new GM crops. *Nature Biotechnology*, 28, 23-25.
- Tabashnik, B. E., Brévault, T., Carrière Y. (2013). Insect resistance to Bt crops: lessons from the first billion acres. *Nature Biotechnology*, 31, 510-521.

Online Resources:

- The International Maize and Wheat Improvement Centre (CIMMYT): <http://www.cimmyt.org/en/>
- European Commission on GM Crops: http://ec.europa.eu/food/food/biotechnology/index_en.htm
- Organisation for Economic Co-operation and Development, Biotechnology Policies: <http://www.oecd.org/sti/biotech/>
- International Service for the Acquisition of Agri-Biotech Applications: <http://www.isaaa.org>
- Food and Agriculture Organization of the United Nations: <http://www.fao.org/home/en/>
- USDA field tests of GM crops: <http://nbiap.biochem.vt.edu/search-release-data.aspx>

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Use of Materials on the OEC

Resource Type

Instructor Materials

Topics

Emerging Technologies

Environmental Justice

Sustainability

Discipline(s)

Genetics and Genomics

Life and Environmental Sciences