

Part One Data

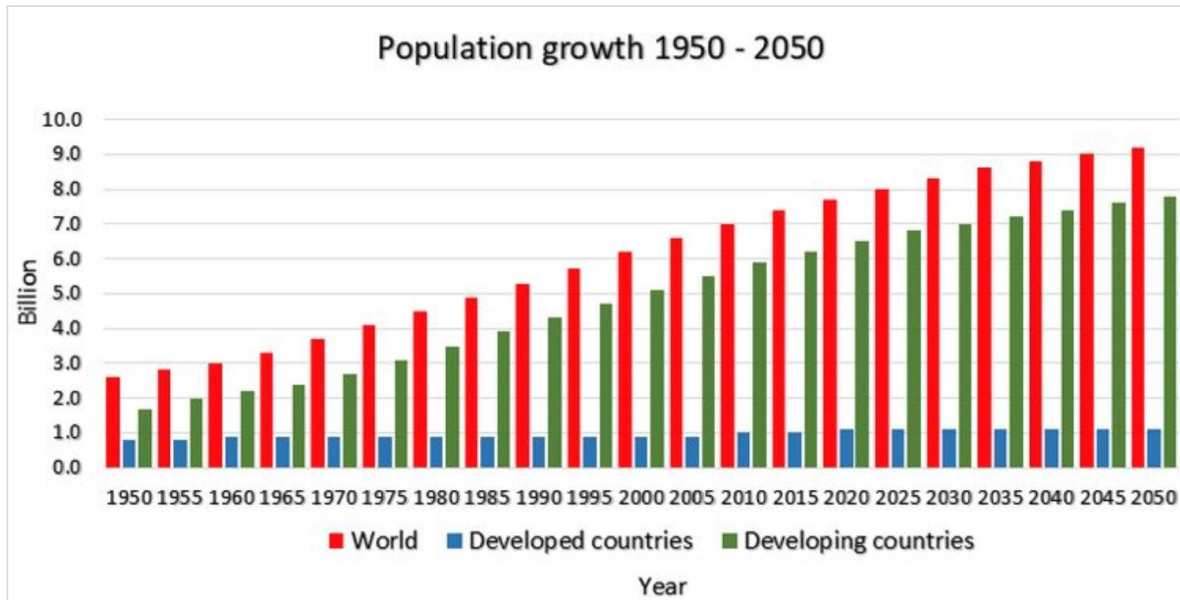


Figure 1. Population growth 1950 – 2050. Data source: Food and Agriculture Organization (FAO) and World Bank.

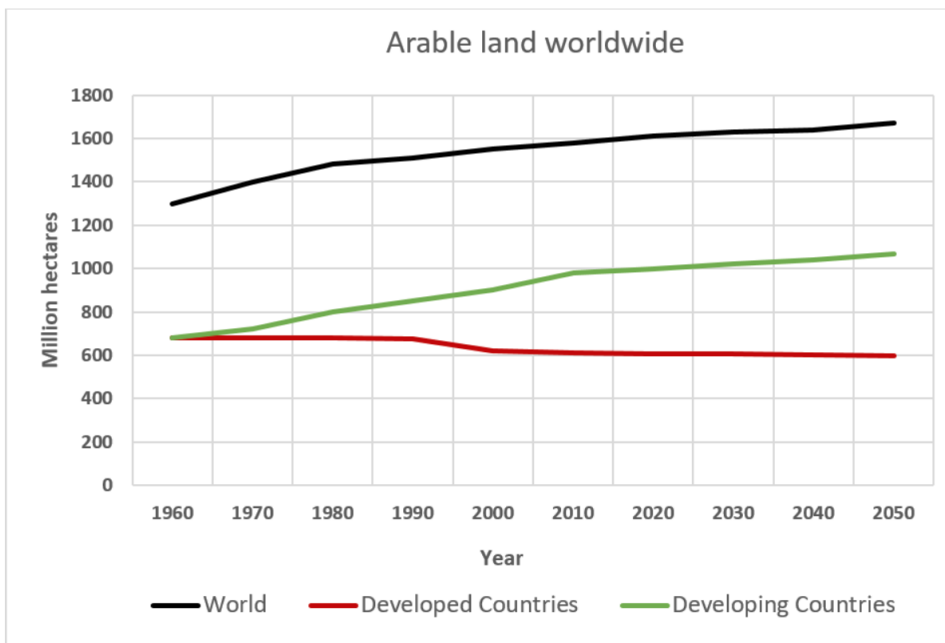


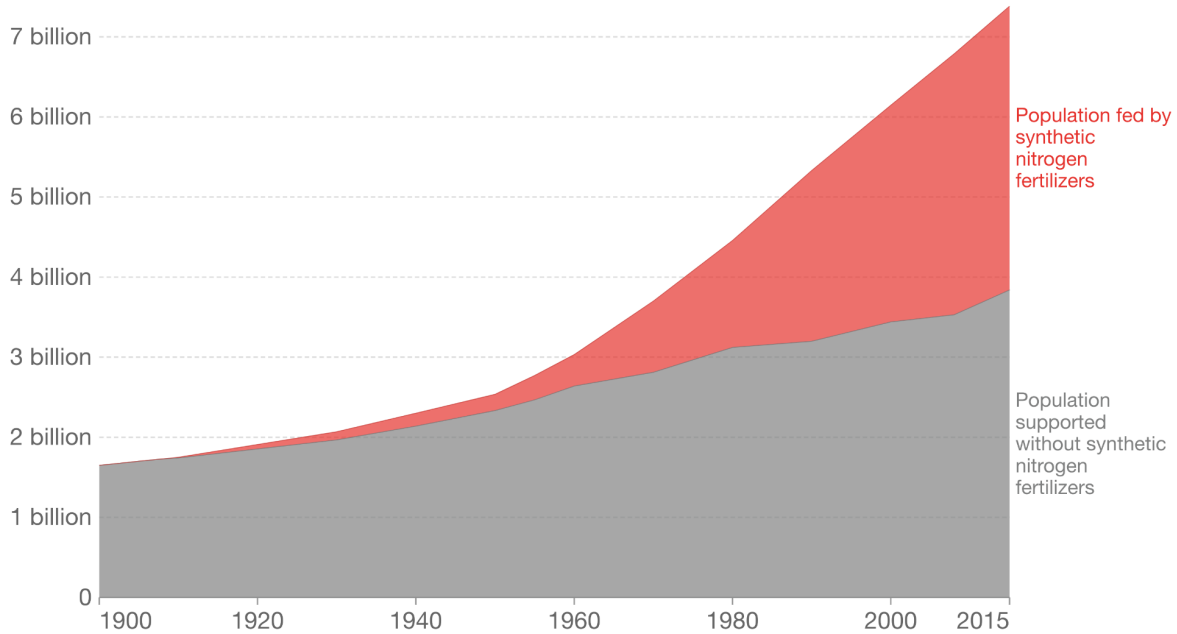
Figure 3. The availability of arable land. Data source: Food and Agriculture Organization (FAO) and World Bank.

Part Two Data

World population supported by synthetic nitrogen fertilizers

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Estimates of the share of the global population which could be supported with and without the production of synthetic nitrogen fertilizers (via the Haber-Bosch process) for food production. Best estimates project that just over half of the global population could be sustained without reactive nitrogen fertilizer derived from the Haber-Bosch process.



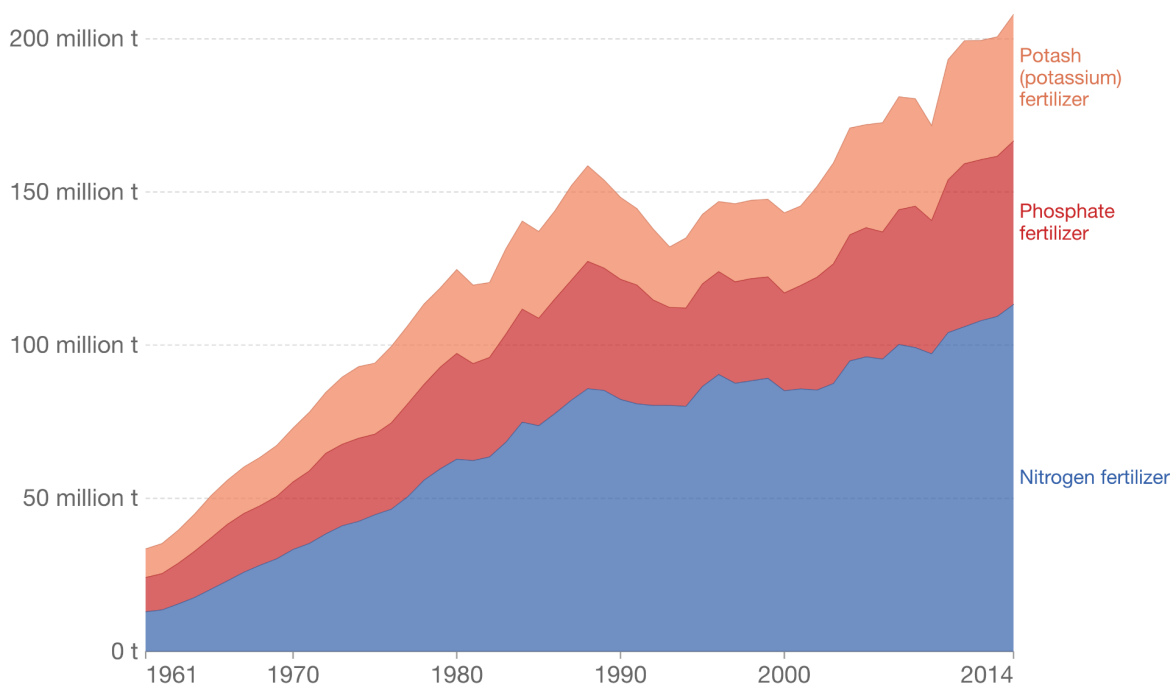
Source: Erisman et al. (2008); Smil (2002); Stewart (2005)

OurWorldInData.org/how-many-people-does-synthetic-fertilizer-feed/ • CC BY

Total fertilizer production by nutrient, World, 1961 to 2014

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Total fertilizer production by nutrient type (nitrogen, phosphate and potash/potassium), measured in tonnes per year.



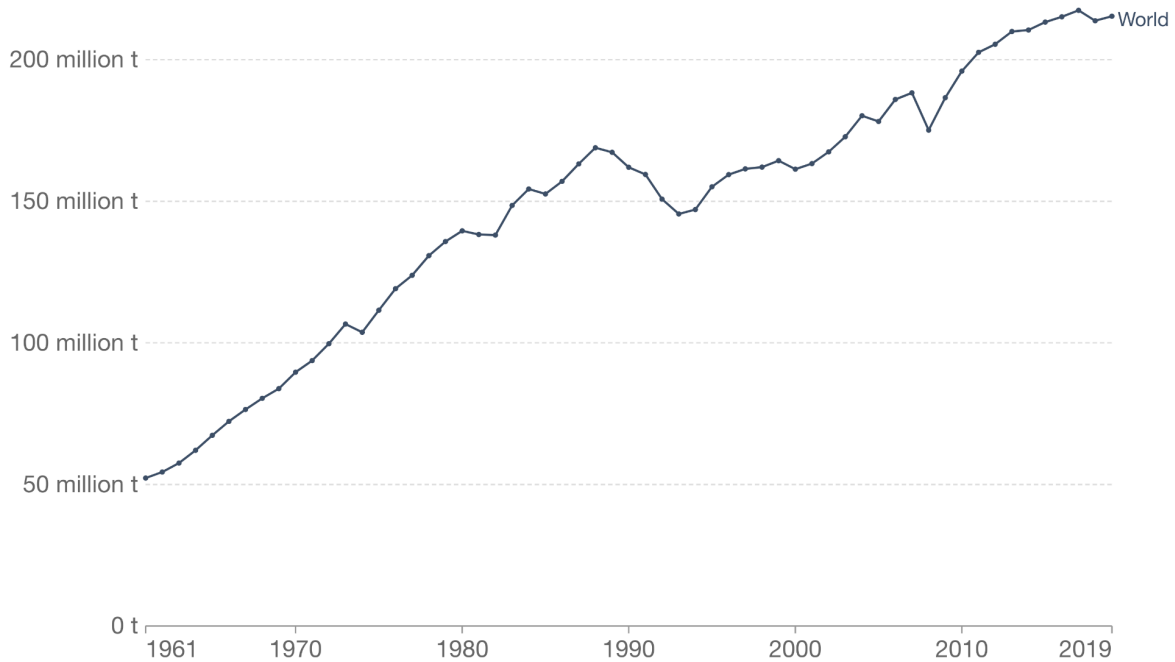
Source: UN Food and Agricultural Organization (FAO)

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Fertilizer consumption, 1961 to 2019

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Total fertilizer consumption is the sum of synthetic inputs of nitrogen, potassium and phosphorous, plus organic nitrogen inputs.



Source: Food and Agriculture Organization of the United Nations via the United States Department for Agriculture (USDA)
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