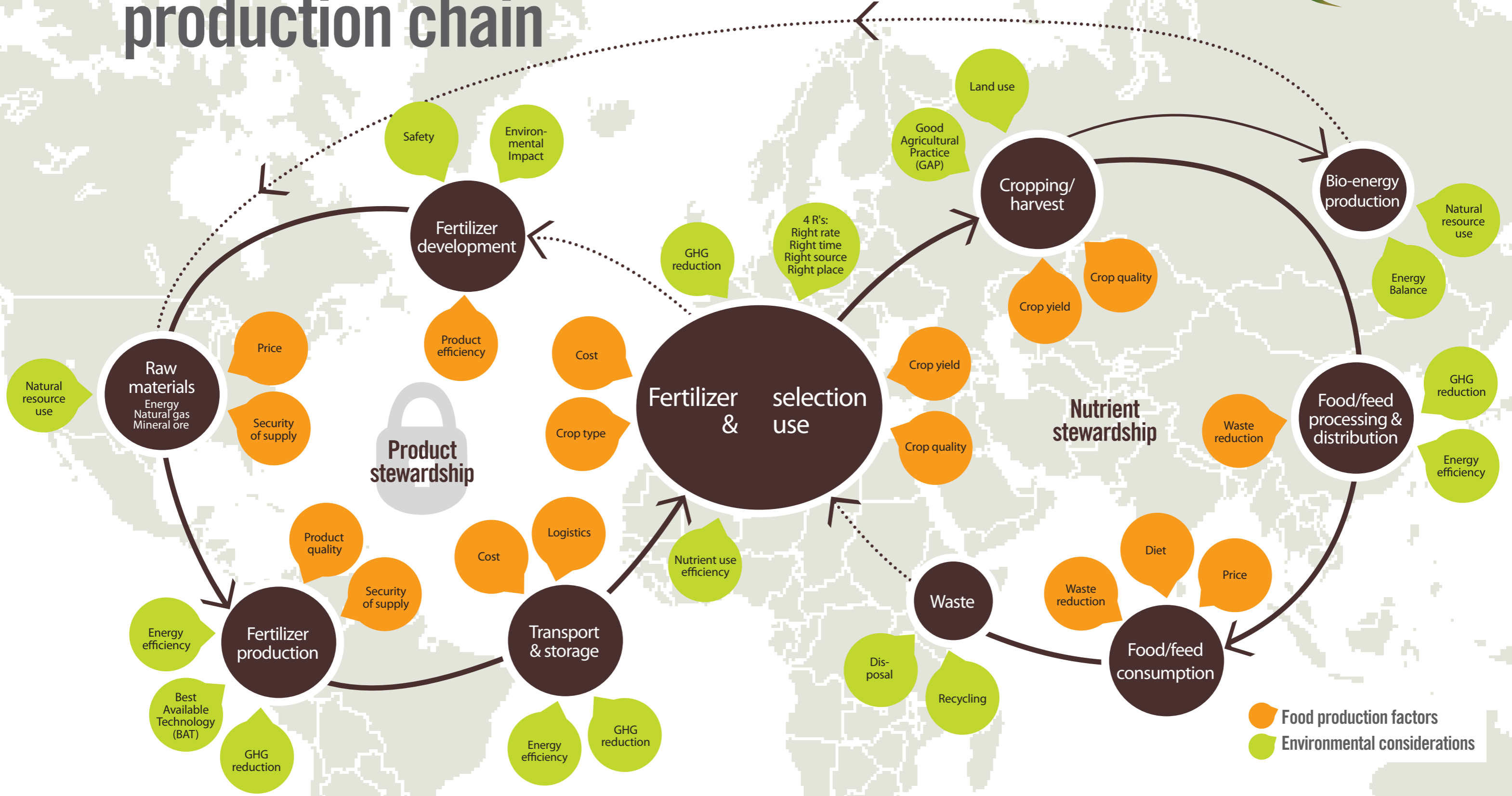


The fertilizer/food production chain



Nitrogen fertilizers are an integral part of the food and energy production chain. Analysis of their impact requires objective evaluation of all the issues related to food and biomaterials production and consideration of the complete nitrogen life-cycle. The fertilizer industry applies life-cycle assessment (LCA) principles in the development of techniques to optimise the use of reactive nitrogen – nitrogen in a form that can be used by plants. It collaborates closely with the scientific

and agricultural communities to introduce practices which maximize nitrogen-use efficiency and provide the means to meet the challenge of feeding a growing world population. As part of this process, Fertilizers Europe voluntarily submits data on the industry's energy consumption and greenhouse gas emissions to the European Commission's LCA database.