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Climate variability as precipitation and fertilization impacts on pea (Pisum sativum L.) yield

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Impacts of precipitation and NPK fertilization changes were investigated on a calcareous chernozem soil in a long-term field experiment at Nagyhörcsök in a Hungarian agricultural region, Mezõföld from 1971 to 2003. The rainfall x ferilizer x yield interactions can be described by quadratic models for each nutrition level. "R" values were as follows: control: 0.9388***, N: 0.8850***, NP: 0.9038***, NK: 0.8470*** and NPK: 0.8747***.