

ACKNOWLEDGEMENTS The research leading to these results has received funding from UBA 01/W789 and CONICET PIP0227 Projects. Thornthwaite's classification (Moisture Index) gave the best representation of the climatic zones. Changes in the analyzed variables lead to modifications in the water balance, showing the second period wetter than the first one. In effect, Moisture Index shows the impact of these changes: some of the eastern stations changed from "humid-wet" to "wet" while some western stations changed from "humid-dry" to "wet humid".

DISCUSSION

In the mean values, there has been a greater difference in minimum rainfall between warm and cold semester for the second period. However, these differences were not enough to show a change in Köppen-Geiger sub-classification. By contrast, the relationship between the maximum rainfall of warm semester and minimal rainfall of cold one still indicates the absence of a dry season, in almost all the stations.

The high variability highlights the vulnerability of this area in terms of agricultural planning and representativeness of the climatic classification. In general, changes would indicate a transition to a wetter climate and stronger seasonality.