

Índice de Peligrosidad Anual de Heladas (IPAH): Concepto y utilidad

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Summary

Agricultural production is conditioned by the impact of the meteorological adversities. Frosts in Argentina cause severe losses at the beginning and the end of crops cycles. It's mainly due to their considerable interannual variability, while the sensitivity to damage varies according to the phenological stage. Because of this, localities with a similar probability of frost occurrence can present different hazards. For its assessment, this work presents an annual frost hazardous index (AFHI), which associates the probability of frost occurrence with the sum of average daily meteorological temperatures during the cultivation period. The effect of thermal integration raised in this index allows distinguishing the evolution in the development of a crop and its danger beyond the equality of temperatures between dates and / or locations. The results obtained show the AFHI as a potentially ductile methodology for the interannual assessment, using only two variables of easy interpretation, simple calculation and precise result.

Palabras clave: Frost risk, ICK, thermal time, phenological stage