







RESEARCH ARTICLE

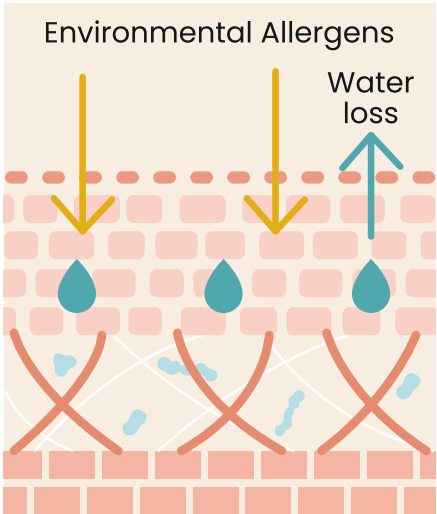
# Short-term effects of weather and air pollution on Atopic Dermatitis symptoms

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 <b>Study objective</b>	The effects of weather and air pollution on the severity and persistence of Atopic Dermatitis (AD)
 <b>No. of subjects</b>	177 children with AD (110 boys and 67 girls) were enrolled, 5 years or younger
 <b>Duration</b>	17 months
 <b>Test Method</b>	The severity of AD was assessed using the SCORing Atopic Dermatitis (SCORAD) index. Meteorological data including hourly outdoor temperature, hourly outdoor RH and daily rainfall were obtained

Result:

- A 5mm increase in rainfall is linked to a **7.3% ↑ in AD symptoms** as disrupted barrier in AD allows more environmental allergens.<sup>1</sup>
- Rise in rainfall leads to the increase in the concentration of environmental allergens

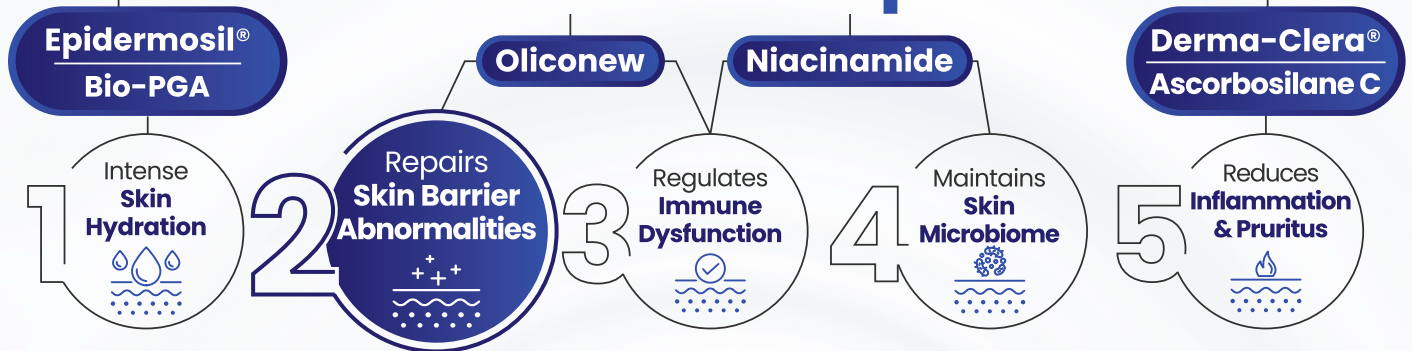


1. PLoS ONE 12(4): e0175229

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