





ALLERGENIC POLLEN OF WEEDS IN NORTH EAST ITALY



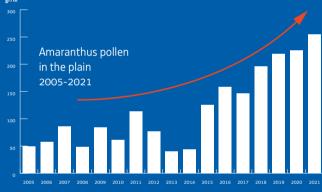
AMBROSIA AND AMARANTHUS: AN EVOLVING STUDY

The pollen grains of some weeds such as Ambrosia and Amaranthus are frequently by the palynologists of the Italian POLLnet network.

Ambrosia has been studied throughout Italy for years and its distribution shows that it is mainly present in the

Amaranthus has shown a significant increase in recent years, due to the pesticide resistance of this plant, a typical crop pest.

In recent years, specific courses and tests have been carried out to improve the competence of operators in the recognition of some taxa, such as Ailanthus, Xanthium, Broussonetia, Maclura.



SEARCH FOR NEW PLANTS

The reports of botanists have been useful in searching for new plants like Baccharis, Impatiens, Senecium.

Still other genera are not part of the Italian flora, but sometimes their pollen is found in the air due to transboundary transport phenomena neighboring territories, where plants are present: this is the case of the Iva genus.

In the routine palinological monitoring, these taxa are often not considered individually, but the counts refer to generic classes "Other pollen grains" or "Other Asteraceae"



WEED ANALYSIS



In order to investigate the diffusion of many alien weeds, both quantitative sampling data and reports of their presence on the territory were collected; some information was reworked to obtain geographic distribution maps; the possible impacts on human health and the ecosystem were assessed as



In some cases, measures have been taken to contain the spread and consequent damage.