



[Portal](#) > [Knowledgebase](#) > [Air purifying plants](#) > [General Information](#) > [Can air purification be optimized by plants?](#)

Can air purification be optimized by plants?

Micha - AIRY Customer Care - 2019-01-31 - in [General Information](#)

The more optimal the environment is for a plant, the better it feels and shows this with growth and flowering, with flowering indoor plants such as the single leaf (*Spathiphyllum*).

The more optimal the plant conditions such as location, irrigation, fertilization, light, etc. are, the better the plant will also break down pollutants.

Some factors that reduce the degradation of pollutants

Dry potting soil, mechanical stress (such as jerky switching, touching or transporting), particularly dry air, high temperatures, mould infections or insect infestation. A plant that does not get enough water will close the stomata and thus contribute even less to air purification than a plant that is sufficiently watered.

After an abrupt change, the plant itself will stop purifying the air, as it takes care of its own well-being during stress. Only after the plant has come to rest, the plant becomes active again.

A plant can also clean the air in the dark.

The soil organisms are also active at night.

There are also nocturnal plants like Aloe Vera and Sansevieria which also absorb CO₂ at night and produce oxygen.