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## ABSTRACT

Karnosky, David F. and T.R. Myers. 1982. **Pollution: new factor in diagnosis of tree damage.** *Weeds, Trees & Turf* 21(2): 38, 42, 46.

Air pollution is one of the many unnatural stress factors affecting the growth and survival of shade trees in and around urban areas. Concentrations of ozone, sulfur dioxide, and suspended particulates frequently exceed federal air quality standards throughout much of the United States. This article is aimed at providing practicing arborists with a better understanding of the air pollution problems they may encounter. In the second article in this series, we will examine differences in responses of trees to air pollution and describe which shade trees can best tolerate pollution problems. While there are many different types of air pollutants, arborists are unlikely to encounter tree problems for most of them. Some pollutants which commonly cause tree injury are ozone, sulfur dioxide, herbicide drift, and deicing salt spray.