

## Dracaena Fluoride tolerance

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### **Abstract**

Dracaena plants are found in almost every house, dentist office, and building you walk into. They are supposed to be gorgeous foliage plants to brighten up the room and give it a little life. As you will notice if you walk through buildings these plants have variously sized lesions on the leaves; these blemishes take away from their beauty. These blemishes have been attributed to fluoride damage in city water from various research done by others. The research conducted by professor Mark Starrett and myself aim to find a suitable cultivar free from these lesions. Four cultivars were chosen out of the most commonly seen dracaenas to test which one was most resistant to fluoride damage ('Janet craig', 'Lemon Surprise', Dwarf 'Janet craig' and Dwarf 'Warneckii'). Three treatments, DI, 1ppm fluoride, and 4ppm fluoride were administered to the 4 cultivars. The research is still in progress; our hypothesis is that the dwarf dracaenas will be more resistant to fluoride than the average sized plants.