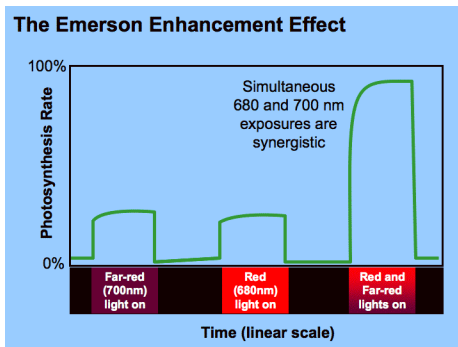


## How to Use a UV Lamp to Increase THC

**HIGH TIMES** - BY SIRIUS J · MON MAR 23, 2015

Cannabis researchers in Maryland exposed pot plants to ultraviolet radiation to see what would happen. They found that increasing doses of UVB radiation, a natural part of sunlight, made the plants produce almost **28% more THC** in the buds.

## Emerson effect



Also known as ‘The Mars Effect’, the addition of far red light (700-720 nm) may **double the rate of photosynthesis** when used in conjunction with deep red light (650 nm—670 nm). This effect only lasts for an hour or two.

## UV-C to kill pests and molds

The term "UV" refers to a relatively broad spectrum of light from 100 nm to 400 nm, divided into UV-A, UV-B, UV-C and UV-V. UV-C rays have the highest energy and artificial UV-C lamps have been shown to be super effective in the laboratory at destroying bacteria, mold, viruses and certain plant pests as well as other biological contaminants in the air, liquids, or on solid surfaces.