

HOW DO NON-IONIZING ELECTROMAGNETIC FIELDS AFFECT TREES AND OTHER PLANTS? A NUMBER OF EFFECTS HAVE BEEN OBSERVED BUT NOT WELL-STUDIED. SOME RESEARCHERS HAVE SAID THAT THE NEEDLE AND LEAF/RIB STRUCTURES ARE ANTENNA-LIKE. WE ALSO KNOW HOW SENSITIVE PLANTS ARE TO LIGHT AND DARK AND THE ENTIRE VISIBLE SPECTRUM; WHY WOULD THEY NOT BE SENSITIVE TO INVISIBLE SPECTRA AS WELL?

THIS MAP OFFERS LINKS TO STUDIES PUBLISHED IN THE LAST DECADE AS WELL AS LINKS TO ARTICLES, REPORTS AND RELATED MAPS.

MORE ARTICLES

["The End Begins" Cress vs. Router](#)
[Seed garlic decline](#)
[Selection of YouTubes](#)
[MW, effect on oleander](#)
[Cellphones and Plants](#)
[MW, fake saguaro cactus](#)
[Smart Meter vs. Fruit Tree](#)
[WiFi: plants, kids, energy.](#)
[Turning trees into antennas](#)



Top picture shows tree damage next to power line. Bottom pictures shows damage near smart meter.

WHAT DOES RESEARCH SUGGEST ABOUT TREES, PLANTS, AND EMF?

Disrupts calcium homeostasis
 Alters germination
 Alters growth patterns
 Modifies water-structures
 Affects cells, tissues, systems
 Reduces chlorophyll
 Changes photosynthesis
 Changes enzymes
 Decreases seed production
 Increases stickiness of pollutants
 Changes free radical activity
 Changes plant size, crop yields

Home: [Oscillatorium](#)
 Newest version [this map](#)
 Date of this update: 08-24-17

[Blake Levitt environmental report](#)

[Special case of electrical fields \(ELE, power lines\) and pollutants](#)

[The Gibbs' Report: List of studies](#)

★ [EMF, calcium channels in plants: Pall](#)

[Shrubs don't lie](#) Reports, Letters, Articles

[Plant Deformities](#)

[The Dying Forest](#)

★ [Wireless Kills Trees](#)

[Wireless Tree Damage](#)

[RF and Aspen Seedlings](#)

[MW smog and forest damage](#)

[Wi-Fi radiation is killing trees, 1](#)

[Wi-Fi radiation is killing trees, 2](#)

[Video: Smart meter kills plants](#)

[Why our Urban Trees are Dying](#)

[Cell phones, plants, vegetables](#)

[Aspen seedlings and radiowaves](#)

["Collector Cactus" killing plant life](#)

[Effect of MW on trees, other plants](#)

[Shrubs die next to wireless routers](#)

[Pollutants cluster under power lines](#)

[Cellphones, death knell for plants, India](#)

[Electrified tiled floor affects plant growth](#)

[Electro-pollution greatest threat to biosphere](#)

[Wireless router murdering your houseplants?](#)

[Wi-Fi is harming our trees: bleeding, bark tears](#)

[The electro-bonsai affect, trees and power lines](#)

[Letter, needles and leaf ribs as resonance absorbers](#)

[Mobile internet is bad for trees: strange growth patterns](#)

[EMR Policy Network](#) Organizations

[MW, gene expression in plants](#)

[4G kills or deforms plankton \(report\)](#)

[MW, terpenes reduced \(plant stress\)](#)

[MW, micronuclei, Vicia faba root tips](#)

[Sunflower, seedling enzyme changes](#)

[RF injures trees around base stations](#)

[MW, reduced soybean seedling growth](#)

[RF, "Parrot feather" stem growth altered](#)

[HF-EMF, many plant metabolic changes](#)

[ELF-MF, increased photosynthesis, coffee](#)

[MW interferes with starch, sucrose, maize](#)

[HF, delayed, reduced growth rosa hybrida](#)

[MW, reduced mass, chlorophyll, arabidopsis](#)

[RF, reduced germination, capsicum seedlings](#)

[RF, long, short exposures, maize, different effects](#)

[MW mung beans, triticale morphology, others param.](#)



★ [Ecocide](#)

THE TREES, OTHER PLANTS, AND EMF

More Studies

New Studies

★ [RF, cotton, noxious effect](#)

★ [RF, many species, sensitive](#)

★ [RF, maize, thylakoid membranes](#)

★ [RF, tomato, cucumber, free radicals](#)

★ [RF, chickpea, genotoxic, carcinogenic](#)

★ [RF, pine, photosynthesis, mesophyll cells](#)

★ "... maize, roselle, pea, fenugreek, duckweeds, tomato, onions and mungbean plants seem to be very sensitive to RF-EMFs... plants seem to be more responsive to certain frequencies, especially the frequencies between (i) 800 and 1500 MHz... (ii) 1500 and 2400 MHz ... and (iii) 3500 and 8000 MHz..."

[MN Halgamuge](#)

★ [YouTube: Tree absorbs MW](#)

★ [RF Tree Damage in Base Station Radiation Field, Germany](#)

[Dr. Havas \(audio\): MW, Plant Stress](#)

[Vimeo: Pecha Kucha Tree Damage](#)

[2012 Symposium: EMF and Tree Damage](#)

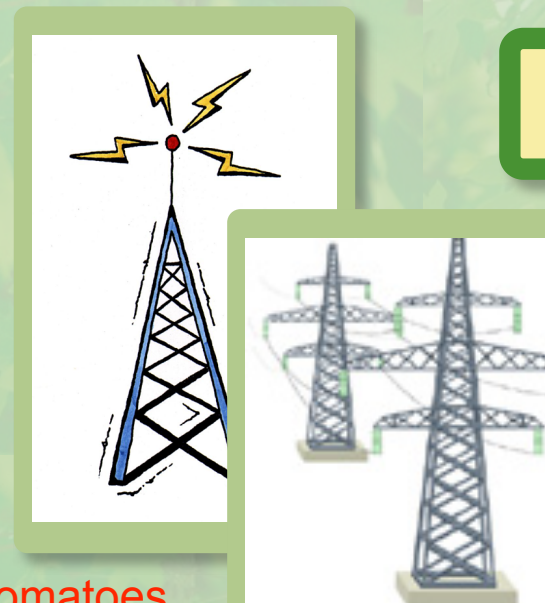
TREES MAY LIVE HUNDREDS OR THOUSANDS OF YEARS. ARTIFICIAL EMF HAS PROLIFERATED ONLY FOR DECADES. WE SIMPLY CANNOT KNOW THE EFFECT EMF WILL HAVE OVER THE FULL LIFESPAN OF TREES.

STEVEN MGEE EXPERIMENTS

[Faraday Cage](#)

[Plant injured by nearby cell tower](#)

[Wireless exposure, DC voltage, plants](#)



[HF EMF, Plant Responses](#)

★ [ELF Plant Responses](#)

[MF Plant Responses](#)

Studies (last 10 years)

[MW, injuries tomatoes](#)

[ELF, yeast proliferation](#)

[MW, stress to aromatic plants](#)

[EMF, delayed germination, cress](#)

[Cress, calcium ion concentration](#)

[EMF, seeds, germination times](#)

[RF, duckweed, oxidative stress](#)

[76 Hz, tree growth, ecosystems](#)

[ELF, kiwi, pollen tube anomalies](#)

[HF, locust, decreased chlorophyll](#)

[EKF, radish, early growth affected](#)

[ELF, pea roots, calcium disruption](#)

[ELF, radish seeds, lipid metabolism](#)

[EMF, calcium over-saturation in roots](#)

[RF, flax, increased meristem production](#)

[RF, mung beans, impaired early growth](#)

[ELF, barley, seed hydration, germination](#)

[UHF, black locust, decreased chlorophyll](#)

[E current, plants, pore and turgor changes](#)

[RF, tomato plants, stress response, mRNA](#)

[ELF-MF, thale cress, calcium ion disruption](#)

[Various EMF, mung bean, nonlinear effects](#)

[MF, wheat and bean seedlings, germination](#)

[ELF, sunflower, wheat, stimulation of growth](#)

[ELF, tobacco, stress-response to mosaic virus](#)

[MF, sunflowers, germination, enzyme changes](#)

[ELF, barley seeds, water-structure modification](#)

[ELF, wheat seeds, germination desynchronization](#)

[MF, barley, nonlinear water-structure modification](#)

[MF, tobacco, deterioration of antioxidant defenses](#)

[MF, review of magnetoreception theories in plants](#)

[MF, fava bean, membrane ion changes in root tips](#)

[MF, thale cress, photoexcitation of cryptochromes](#)

[Transmission line proximity, corn, wheat, lower yield](#)

[LF, duckweed, alanine accumulation indicating stress](#)

[RF, duckweed, nonlinear effects on peroxidase activity](#)

[ELF, SF, barley, small plants, less chlorophyll, dehydration](#)

RELATED MAPS

[Bees](#)

[Birds](#)

[Clusters](#)

[Nonlinearity](#)

[Membranes](#)

[Marine Life](#)

[Environment](#)

[Cryptochrome](#)

[Living Antennas](#)

[Toxic Interactions](#)

ANTENNA DESIGNS:
 NATURAL
 AND
 ARTIFICIAL

