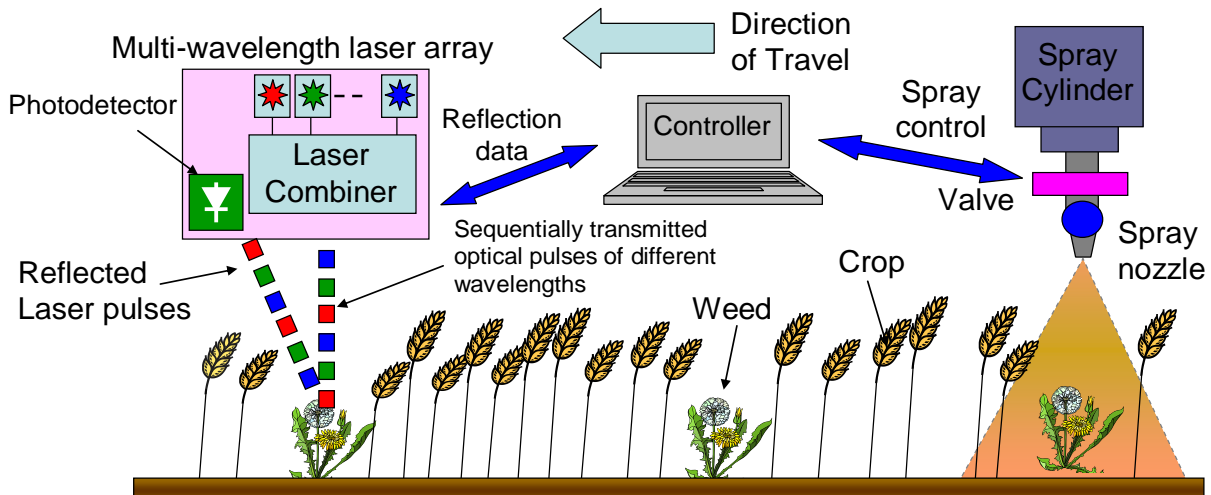


Microphotonic Plant Discrimination and Weed Control Sensor



Principle of real-time weed monitoring and spraying. The ground is illuminated by visible and infra-red laser pulses. Photo sensors detect the reflected laser intensities from the ground and different vegetations. Electronic system processes the reflected data. Once a target weed is detected, a “positive strike” signal is generated to activate a nozzle and spray that weed.