



## DECREASED STRATOSPHERIC OZONE'S AGRARIAN IMPACT



**SCHOOL:** PISCATAWAY TOWNSHIP HIGH SCHOOL

**LOCATION:** PISCATAWAY, NJ

**FLIGHT PROVIDER:** AEROSTAR

**GRADES:** HIGH SCHOOL

### STUDENT EXPERIMENT DESCRIPTION

Research suggests that there may be a direct relationship between ozone gas levels and the depletion of agricultural health. Our experiment seeks to better understand these relationships by directly measuring ozone gas molecule levels using an MQ131 sensor at 70,000 feet and comparing them with agricultural images. We hypothesize that more stratospheric ozone will lead to better agricultural health, while less stratospheric ozone will lead to the depletion of agriculture.