

AG CHEMICALS

AgCareers.com has identified high demand jobs in the agricultural industry. These career profiles are a helpful resource for students and job seekers to explore new roles in the industry, as well as for career educators.

Ag Aerial Applicator / Crop Duster

JOB OVERVIEW

Fly small planes at low altitudes in order to apply pesticides, fertilizers, or fungicides on fields

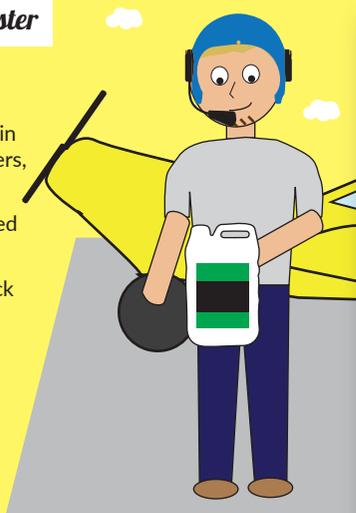
Mix & add chemicals to be applied into the plane

Record applications & report back to grower

Keep track of applications & invoice growers for services performed

Mentor & train new pilots

JOB OUTLOOK



EDUCATION NEEDED

Must have a commercial pilot license through the FAA; attend agriculture pilot training

RECOMMENDED H.S. COURSES

Ag education, business, chemistry, mathematics

TYPICAL EMPLOYERS

Ag retailers, chemical companies, or applicator companies; many are self-employed

Pest Control Advisor

JOB OVERVIEW

Scout crops & identify pests that can affect a farmer's harvest

Make recommendations on pest treatment plans based on findings

Develop fertilizer formulations based on pesticide application

Review all pesticide applications

Sell & promote company products if employed by a company

Oversee pest management research projects

JOB OUTLOOK



EDUCATION NEEDED

Bachelor's degree in agronomy or entomology; Pest Control Advisor license

RECOMMENDED H.S. COURSES

Ag education, biology, chemistry, plant science, mathematics

TYPICAL EMPLOYERS

Chemical companies, large grower operations, ag retailers, or may be self-employed & hiring contractually

Toxicologist

JOB OVERVIEW

Study chemicals & their effects on living beings & the environment

Comply, analyze & interpret field as well as laboratory toxic substances

Develop rationale & criteria for analyzing chemical hazards

Conduct exposure & risk assessments

Critically review, evaluate & interpret scientific literature, research data & investigative reports

JOB OUTLOOK



EDUCATION NEEDED

Any level of a degree in biology or chemistry, but majority require Master's or doctorate

RECOMMENDED H.S. COURSES

Ag education, English, statistics, algebra, genetics, biology, chemistry, physics

TYPICAL EMPLOYERS

Biotechnology companies, academia, animal pharmaceutical companies, government agencies

PROFESSIONALS IN AG CHEMICALS CAN EXPECT TO EARN AN AVERAGE OF \$72,700 PER YEAR