

Agricultural Engineers

17-2021.00



Description: Apply knowledge of engineering technology and biological science to agricultural problems concerned with power and machinery, electrification, structures, soil and water conservation, and processing of agricultural products.

Other Resources:

[ONET Link](#)

[MidLevelAware Link](#)

Sample of Reported Job Titles: Agricultural Engineer, Agricultural Systems Specialist

Job Zone

Title: 4 - Considerable Preparation Needed

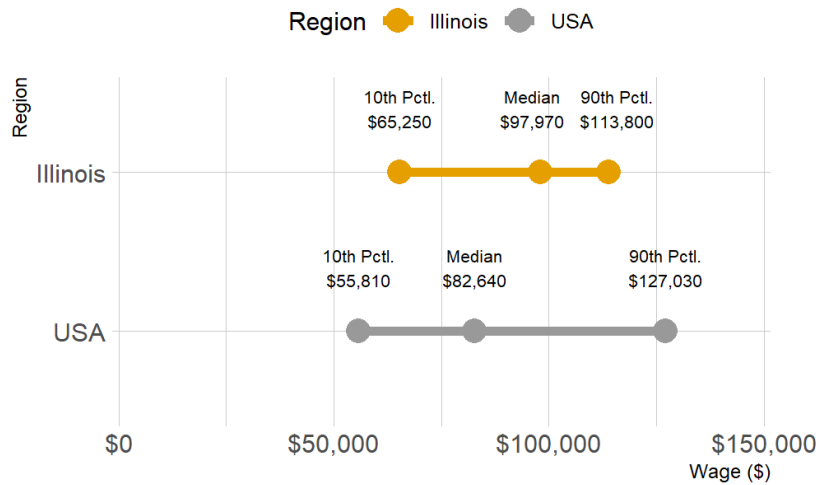
Education: Require a four-year bachelor's degree.

Experience: A considerable amount of work-related skill, knowledge, or experience is needed.

Training: Several years of work-related experience, on-the-job training, and/or vocational training needed.

Hot Technologies: Adobe Systems Adobe InDesign, Adobe Systems Adobe Photoshop, Autodesk AutoCAD, Dassault Systemes SolidWorks, Eagle Point LANDCADD

Region	Employment	Location Quotient	Median Wage
Illinois	60	1.26	\$97,970
USA	1,120	–	\$82,640



Top 5 Core Tasks According to Current Job Holders	Frequency	Importance (out of 100)
Prepare reports, sketches, working drawings, specifications, proposals, and budgets for proposed sites or systems.	More than monthly	83
Discuss plans with clients, contractors, consultants, and other engineers so that they can be evaluated and necessary changes made.	More than monthly	78
Provide advice on water quality and issues related to pollution management, river control, and ground and surface water resources.	More than monthly	76
Meet with clients, such as district or regional councils, farmers, and developers, to discuss their needs.	More than monthly	76
Plan and direct construction of rural electric-power distribution systems, and irrigation, drainage, and flood control systems for soil and water conservation.	More than yearly	73