Illuminate NEBRASKA
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POWER, STRUCTURE, & TECHNICAL SYSTEMS

GENERAL AG MECHANICS

CONCEPT General Ag Mechanics refers to the study and application of mechanics principles and techniques in designing, constructing and maintaining agricultural machinery and structures. This includes the use of various power sources such as engines, motors and hydraulics to operate farm machinery and equipment, as well as the development of structures such as barns, silos, and other agricultural buildings. The goal of general ag mechanics is to improve the efficiency, productivity and sustainability of agricultural operations through advanced technology and innovative engineering solutions.

BACKGROUND

The ancient Greeks developed the first agricultural machines in the 4th century BC. These machines were simple tools, such as plows and sickles, that allowed farmers to work more efficiently. In the 19th century, the Industrial Revolution brought significant advances in agricultural machinery. The invention of the steam engine led to the development of steam-powered threshing machines and reapers. In the 20th century, the development of tractors and other motorized equipment transformed agriculture again, allowing farmers to work more efficiently and on a larger scale. Today, General Ag Mechanics continues to evolve as new technologies and innovations emerge to meet the needs of modern farmers.