

THE RISE OF ROBOTS IN AG

The robots are coming! They arrived in agriculture several years ago, in fact. While they're still in their infancy in some areas, their prevalence in other areas continues to grow. Here's how robots are – and will be – used in agriculture.

– Compiled by Jessie Scott and Tharran Gaines
Infographic by BlindSalida



2018

Field-based **HIGH-THROUGHPUT PHENOTYPING** is available and may become more prevalent if it proves to be economically viable.

2020

Market adoption of **ROBOTIC STRAWBERRY HARVESTING** will start with robotic apple harvesters following in 2022.

2020: The market will take off for **AUTONOMOUS ROBOTIC WEEDERS**.

2020: **FOOD-SORTING MACHINES** will be able to detect quality issues that lie below the surface, such as sugar levels or oil content.

2022

Sales of **AUTONOMOUS TRACTORS** (in particular, follow-me tractors that trail a tractor with an operator) will start to rise.

2023

Robotics in dairy farms will be an **\$8 BILLION** industry.

2027

The agricultural **DRONE MARKET** will be worth more than **\$480 MILLION**.

More than **660,000 TRACTORS** with autosteer or tractor guidance will be sold each year.

2025

Autonomous robotic weeders combined with manned robotic weeding implements will be a \$400 MILLION industry.

2050

FARM YIELDS could rise by more than **70 percent** with advances in ag technology.

The average farm will generate **4.1 MILLION DATA POINTS** per day compared with **190,000** today.