

# AGRICULTURE CYBER SECURITY

## Agriculture Under Cyber Attack



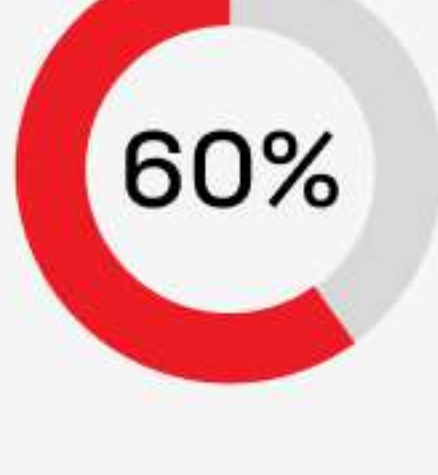
607%

Increased cyberattacks against the food and agriculture sector in 2020.



98%

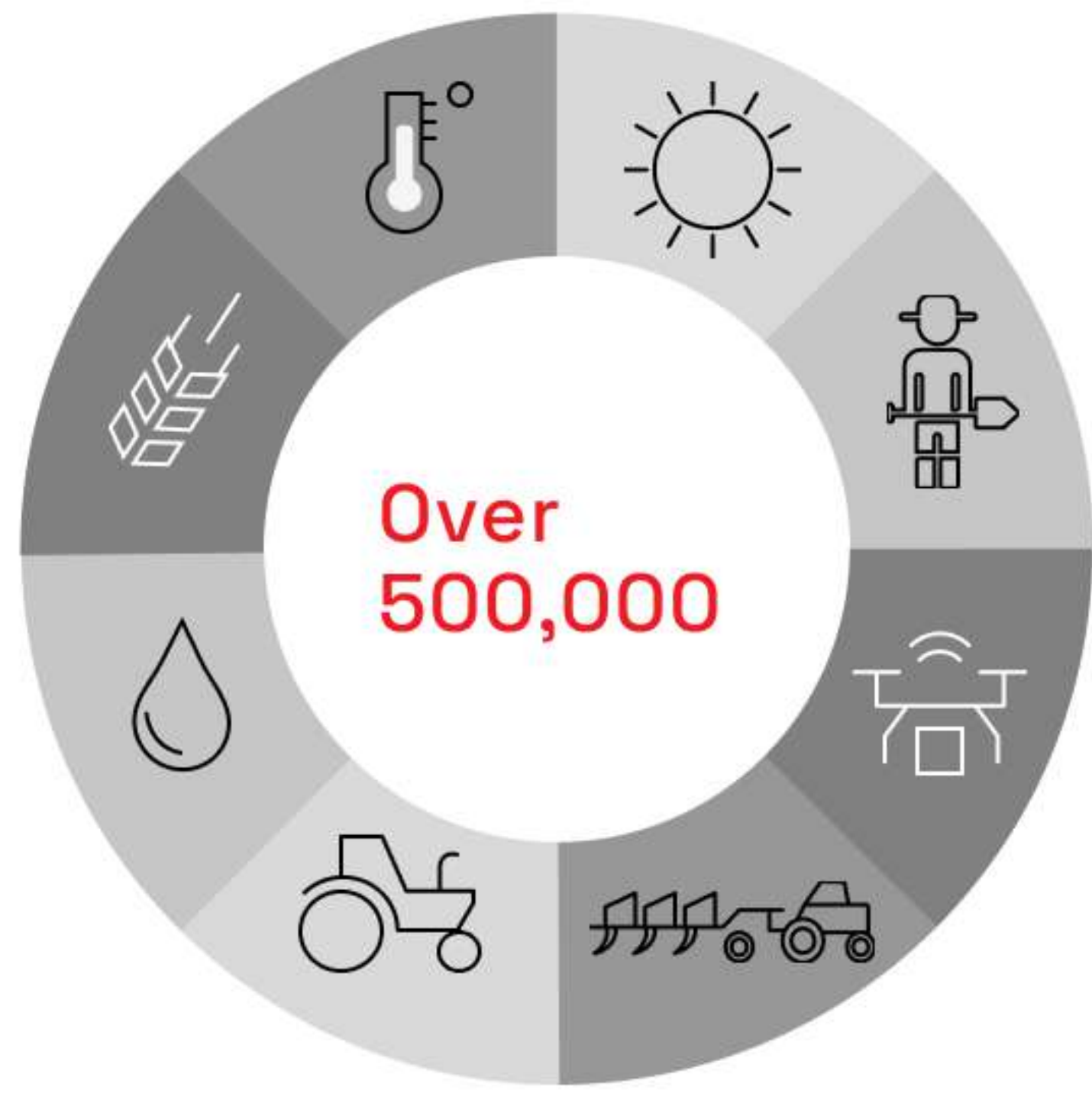
of respondents working in agriculture, forestry, and fishing have experienced a security incident in the last 12 months.



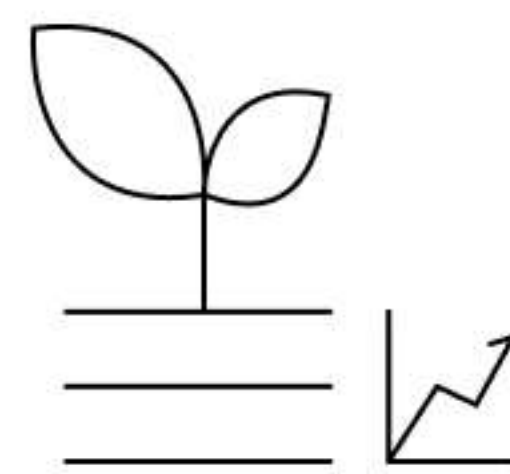
60%

of small farm businesses fail after a cyber attack.

## IoT Transforms Agriculture



of data points from IoT devices and sensors are generated on an average farm per day.

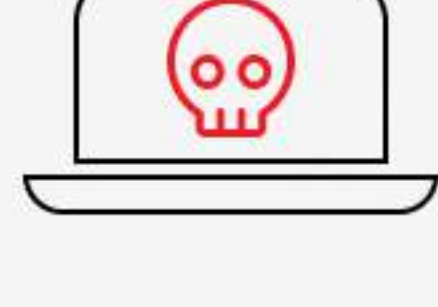


The agriculture sector is experiencing an IoT growth rate of **20%** yearly, and by 2025 there will be an estimated **224M** devices.

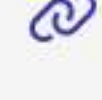


of agriculture organizations report they have already completed some IIoT/OT security projects

## Cyber Threats at a Glance



BlackMatter ransomware struck Iowa's New Cooperative in 2021, demanding **\$5.9M** in ransom. The ransomware gang reportedly stole **1,000GB** of data.



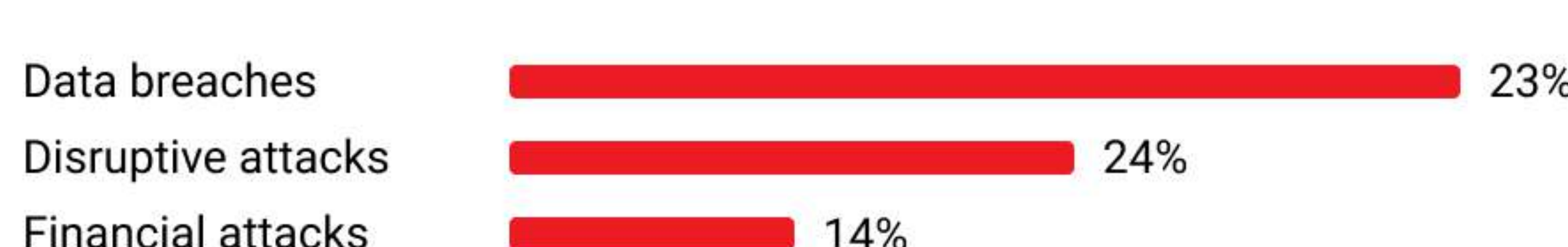
JBS paid **\$11M** worth of bitcoin in ransom to stop the cyber attack that rendered all US facilities inoperative.



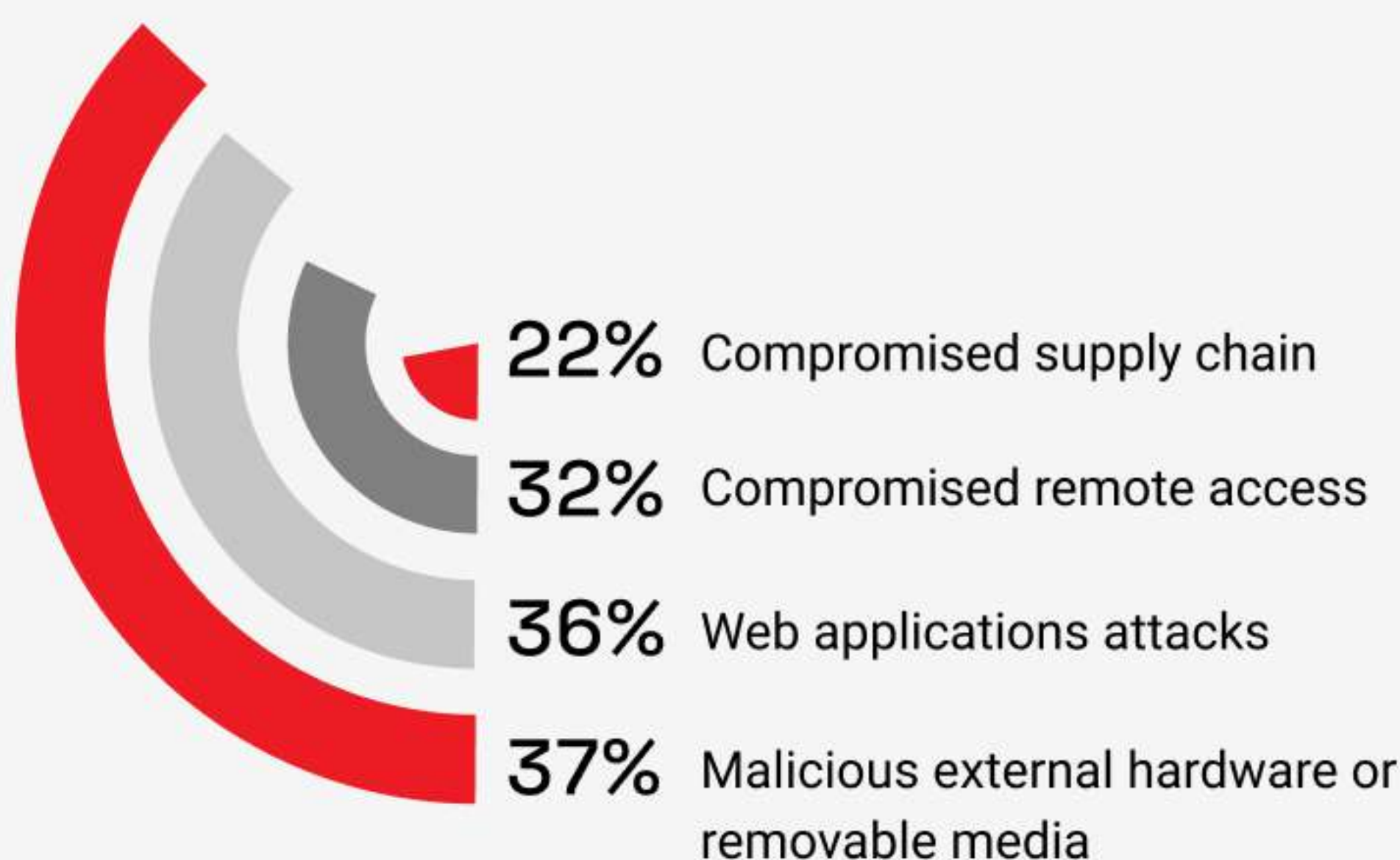
US farm loses **\$9M** in the aftermath of a ransomware attack.



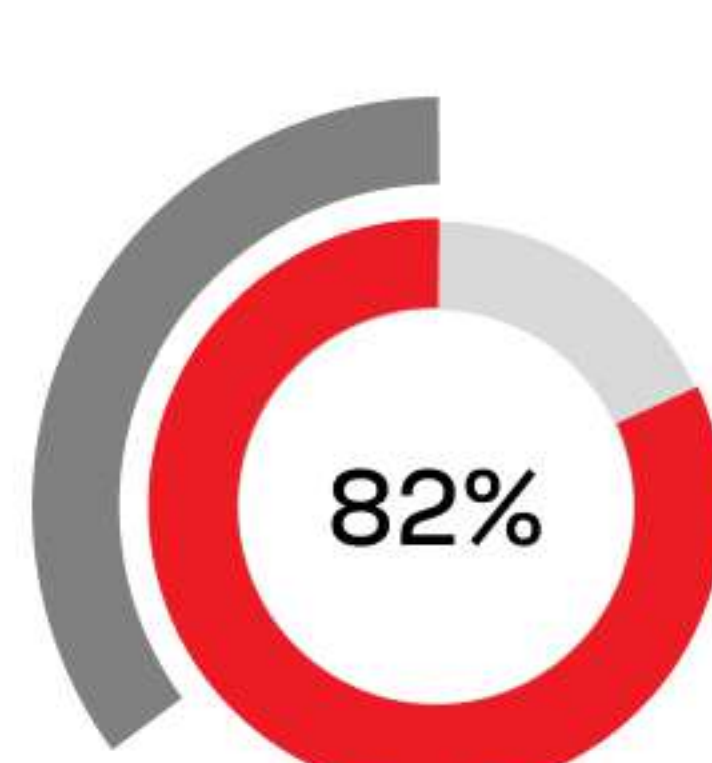
## Top Attack Types



## Top Attack Vectors:



## Agriculture Cybersecurity Landscape

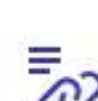


believe they are prepared to prevent cyber attacks but only **45%** actually have a plan in place.



of all agribusinesses do not have a contingency plan to manage security breaches.

87%



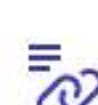
confident in their organization's ability to manage and respond to a cyber event.

80%



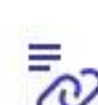
of agriculture organizations ranked cybersecurity as a top-five risk management priority.

56%



of respondents have a structured approach to managing cyber security risks.

16%



Nowadays, as cyber threats and attacks are more common because of digitization and the growing number of internet-connected devices, cybersecurity with smart technologies like artificial intelligence and deep reinforcement learning is critical.

AI EdgeLabs is a robust, enterprise-grade, and AI-based platform that brings advanced network visibility, early threat detection, and automated incident response and remediation vital for the newest technologies for agriculture and any industry.

**PROTECT YOUR EDGE  
& IOT ENVIRONMENT**

