

ANIMAL WELFARE
2017



Collective gestation

45% of reproductive hogs in Brazil are in a collective gestation system.

R\$ 14.7 MILLION

was invested in improving Animal Welfare in 2017.

Cage-free eggs

In 2017, JBS committed to purchasing commercial eggs used as ingredients in its products only from farms where chickens are bred without cages. **By 2020**, JBS products made in Brazil will no longer use eggs from animals bred in confinement system.

BBFAW

JBS obtained a **Level 2** classification in the Global Animal Welfare ranking (the categories range from 1 to 6). The company rose from Level 3 to Level 2 as a result of its best practices and transparency in this area.

14,800

people were trained in Animal Welfare in 2017, including Company employees and producers.

Animal Welfare Committee

Created in 2017, it includes representatives from the Sustainability, Quality, Farming and Communication areas.

Animal Welfare Week

a week-long in-house campaign and included activities at JBS plants and the head office, with area specialists.





STANDOUT PROJECTS

2017

PORK

TRAINING BY AN OUTSIDE TEAM

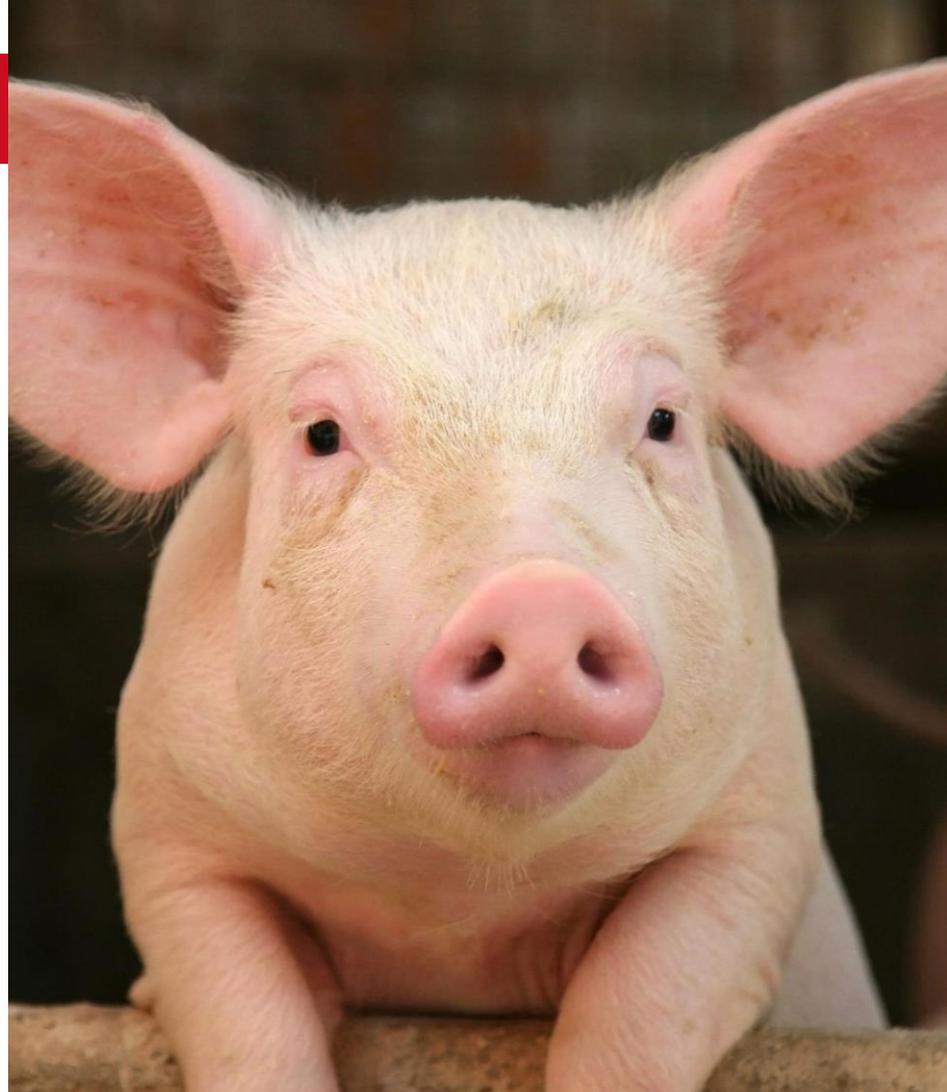
Animal Welfare teams at all company units were trained by WAP, an NGO. There were 16 hours of training in 2017, attended by 30 staff. 30 JBS staff at company production units have also been trained by the ABCS - Brazilian Pork Breeders' Association, and the ACCS - Santa Catarina Pork Breeders' Association on hog reception and slaughter.

MANAGEMENT PROCESS REVIEW

Corporate Technical Standards and the Internal Audit checklists were reviewed to include critical Animal Welfare issues, in order to establish more stringent unit audits and more effective management of any issues detected, avoiding issues that could be critical for Animal Welfare.

MANAGEMENT PANEL IMPLEMENTED

In 2017, the results from the internal Animal Welfare audits were incorporated into the Quality Management Panel to facilitate results management and monitoring by regional managers, management and the corporate team. This helped increase visibility of the units' Animal Welfare results, increasing the focus on any possible problems that might be detected and addressed through action plans. This also helps to identify areas that require additional investment and assist in the investment approval and targeting process.



POULTRY

FARM MANAGEMENT PANEL IMPLEMENTED

In 2017, a specific Animal Welfare management panel was introduced. The panel includes 20 Animal Welfare indicators looking at team training, handling, aviary infrastructure and transportation, among others. It consolidates the monthly self-assessments carried out at each of the units and provides data that can be used to monitor ongoing practices and drive continuous improvement. Most of the items that are verified involve practices that go beyond what is legally required, reinforcing JBS's commitment to pursuing best practices in this area. The management panel will be extended to the pork units in 2018.

TRAINING BY AN OUTSIDE TEAM

Over this period, the WAP, an NGO, trained the Animal Welfare teams at Company production units. There were 80 hours of training, attended by 150 staff.



POULTRY

MANAGEMENT PROCESS REVIEW

Corporate Technical Standards and the Internal Audit checklists were reviewed to include critical BEA issues, in order to establish more stringent unit audits and more effective management of any issues detected, avoiding Animal Welfare non-conformities.

MANAGEMENT PANEL IMPLEMENTED

In 2017, the results from the internal Animal Welfare audits were incorporated into the Quality Management Panel to facilitate results management and monitoring by regional managers, management and the corporate team. This helped increase visibility of the units' Animal Welfare results, increasing the focus on any possible problems that might be detected and addressed through action plans. This also helps to identify areas that require additional investment and assist in the investment approval and targeting process.



BEEF

INSTITUTIONAL VIDEO LAUNCH

The Company released an institutional video on Animal Welfare to inform the general public and explain its routines, highlighting the standards adopted in its work routines, from shipping to operations.

ANIMAL WELFARE STANDARDS

JBS has produced a set of standards that define animal handling criteria and responsibilities from shipping at farms to slaughter at meatpacking units, in order to protect Animal Welfare and make products that comply with food quality and safety standards. The Standards include penalties for any action that could undermine the five freedoms. All staff involved in handling live animals must first read and understand the Standards.

UNESP AND LONDON UNIVERSITY PARTNERSHIP

JBS Carnes sponsored a cattle stunning project to improve stunning efficiency. The study was carried out by Unesp researchers with the direct involvement of Neville Gregory and John Gibson Troy, professors at the University of London and two of the foremost specialists in the area.



BEEF

SUPPLY CHAIN SEAL

In 2017, JBS Carnes also developed the Supply Chain Seal. The seal focuses on certifying Guaranteed Sourcing (which includes Animal Welfare), streamlining the process of verifying the company meets customer and consumer requirements. Program audits are carried out by the Brazilian Certification Service (SBC).



FOOT-AND-MOUTH VACCINATION CAMPAIGN

JBS organized an educational campaign on the correct method of vaccinating cattle against foot and mouth disease. The **Vaccinate Cowboy** campaign was not restricted to Company suppliers and was available to livestock breeders nationwide. The 3-day campaign included a specific website (www.vacinapeao.com.br) hosting campaign content, such as folders, presentations and brochures. High technology syringes were also distributed to JBS suppliers responsible for 50% of the Company's meat processing volumes. The model is globally considered the safest available to reduce the risk of needle-related accidents.

MONITORING CAMERAS AT ALL PLANTS

JBS Carnes is also one of the only food industry companies in the country that uses cameras to monitor Animal Welfare indicators at all units, covering all phases from disembarkation through to slaughter. This reinforces the transparency of the Company's procedures and helps cement best practices.

CATTLE FLEET IMPROVEMENTS

The JBS fleet that transports livestock is constantly being renewed to provide better space and accommodation for cattle, with a hydraulic elevator that helps improve organization of animals' entry and departure. These characteristics help reduce the number of contusions and consequently animal stress. In 2017, the second year that trucks with elevators were in operation, the fleet purchased another 158 new vehicles complying with more modern standards. This fleet represents around 50% of all livestock transportation vehicles the company uses in Brazil. The entire fleet employs a tracking system to detect brusque braking and acceleration, vehicle speed, maneuvering around curves and door blocking. JBS has also partnered with the Unesp University to produce a study focusing on ways to make livestock trucks better, resulting in innovative improvements across the industry.



SUSTAINABILITY

e-mail: sustentabilidade@jbs.com.br

e-mail: bemestaranimal@jbs.com.br