

*ANIMAL WELFARE*



## PERFORMANCE

43%

of the pork production system uses collective gestation. This represents approximately 190 thousand females.

R\$ 30.5  
MILLION

was invested in improving Animal Welfare in 2016.

2,600

people were trained in Animal Welfare in 2016, including company employees and producers.

**BBFAW**

The *Business Benchmark on Farm Animal Welfare (BBFAW)*, a global, annual report, has been evaluating JBS since 2014 and the company has raised its score and now scores above average for the industry.

**BIOSECURITY  
MANUAL**

The Animal Welfare and Biosafety Manual was also implemented in 2016 at all proprietary and integrated chicken farms, reinforcing the company's commitment in this area.

**Fleets**

JBS has expanded its two-storey cattle truck fleet to provide animals with more comfort and safety.



A photograph of a brown chicken with a red comb and wattle, standing in a field of tall green grass. The chicken is facing left. The text "HIGHLIGHTS PROJECTS" and "2016" is overlaid on the left side of the image.

*HIGHLIGHTS PROJECTS*  
*2016*

# CATTLE

## FARM TRAINING

The company offers training courses based on [the Best Handling Practices Manual](#) from the **Etco Group (Animal Ecology and Etiology Study and Research Group)**, which is the result of work done by the Faculty of Agricultural and Veterinary Sciences at the Paulista State University “Julio Mesquita Filho” (FCAV-Unesp) focusing on Animal Welfare through on-farm training courses.

## CATTLE TRANSPORTATION

JBS is leading a first-of-a-kind project in Brazil and has launched a truck that has been developed specifically to ensure Animal Welfare, offering more space and quality during cattle transportation. The fleet is operated by JBS Transportadora, a group company that provides transportation for products and animals, and was developed to make travelling as comfortable as possible for the animals with more internal head height, internal dividers without sharp edges and a hydraulic elevator, for better organization during animal embarkation and disembarkation, while making it easier to handle the cattle. Additionally, increased occupation saved 46 thousand liters of diesel per month, reducing greenhouse gas emissions.



# CATTLE

## RESEARCH AND DEVELOPMENT

In Brazil, JBS is carrying out a study to improve the animal stunning procedure. Partnering with the ETCO Group - Animal Ecology and Etiology Study and Research Group, and the Paulista State University (Unesp), other project participants include Neville George Gregory and Troy John Gibson, who are professors from the University of London and two of the world's foremost specialists in cattle stunning. The project, which is scheduled to conclude in 2017, will provide a more efficient stunning procedure that adheres to Animal Welfare principles.

## FACTORY TRAINING AND NEW PROCEDURES

New procedures have been adopted at our plants to reinforce our efforts and improve day-to-day management of this issue. The company has therefore produced a manual to standardize its equipment, facility infrastructure and Animal Welfare identification at production units. The company has also supplied the people directly involved in Animal Welfare with different uniforms, and has implemented a set of management indicators, a daily log and automatic reporting for Animal Welfare indicators.

## TECHNICAL SUPPORT AND INTERNAL AUDITS

In 2016, the corporate Quality Assurance team visited all company meatpacking units to guarantee efficient implementation of Animal Welfare practices. The visits included internal audits, corral and slaughter room employee and cattle truck driver training courses and adoption of humane animal handling documents, procedures and techniques.

# POULTRY

## SUPPORT FOR PRODUCERS

In 2016, the company implemented initiatives to improve aviary acclimatization, adapt infrastructure, standardize records and control documents, train incubator and farm teams, replace subcutaneous vaccination for breeder hens with egg vaccination and certify suppliers of “wood shavings” (the material used in aviary “beds”, among other steps to improve Animal Welfare at a number of aviaries in the production chain. New projects to further improvement are constantly being evaluated and implemented by the company or in partnership with universities.

## FACTORY TRAINING

Poultry unit employees are trained by the World Animal Protection NGO (WAP). To guarantee training efficiency and application of the questionnaires and obtain high quality Animal Welfare information, two audits were carried out in 2016 at each meatpacking unit.



# POULTRY

## ANIMAL WELFARE ASSESSMENT

The company has developed and implemented an Animal Welfare assessment at all production units to monitor adoption of recommended practices. The company also carried out periodic monitoring and verification in line with the Official Self-Control program, which provides internal quality control and Animal Welfare procedures at factories. A specific check list was also created for the Quality Assurance area, which carries out a quarterly Animal Welfare indicator assessment and develops structured action plans if any issues arise. The checklist was based on current legislation, recommendations from the WAP - World Animal Protection NGO and customer requirements and certifications. In 2016, the company held two audits at each poultry meatpacking unit.

## CONSULTANCY TO VALIDATE THE STUNNING PROCESS

Working with F&S Consulting, the company organized a project to confirm that the stunning process employed during the poultry slaughter procedure is effective. It was possible to scientifically prove that the animals had been stunned when they were slaughtered using electroencephalograms (EEGs).



# PORK

## PRODUCER TRAINING COURSES

Working in partnership with the Brazilian Association of Hog Breeders (ABCS), the company has offered training courses on Animal Welfare and other production practices throughout the pork supply chain, including animal transportation and driver training at its Mid-West units. Training course will be held at other company units throughout 2017.

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