MLA INTERNATIONAL WEBSITES

NORTH AMERICA

www.australian-meat.com

JAPAN

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www.aussiebeef.jp

KOREA

www.ilovebeef.co.kr

MIDDLE EAST AND NORTH AFRICA

www.lambandbeef.com

SOUTH EAST ASIA AND GREATER CHINA

www.loveaustralianlambandbeef.com

AUSTRALIA

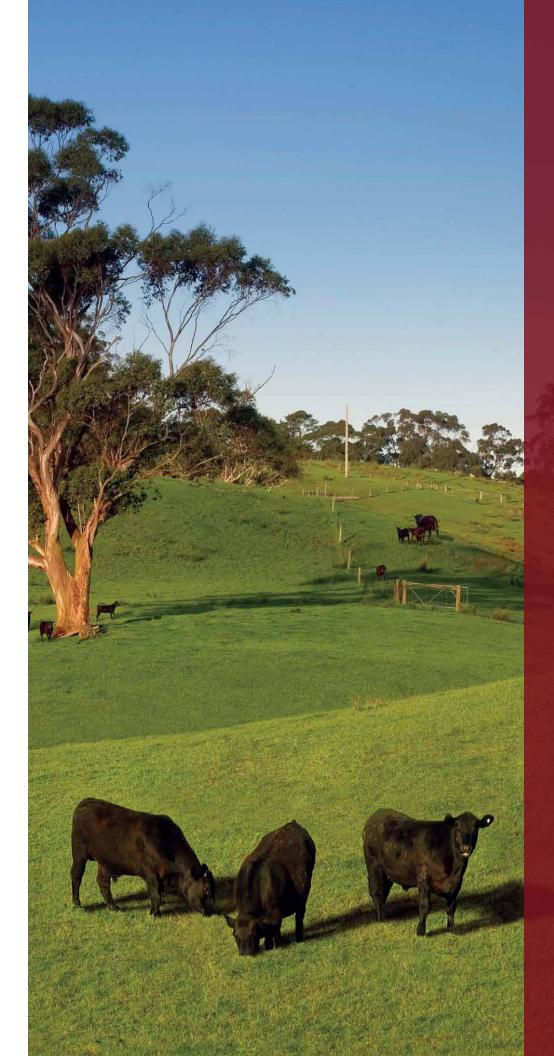
www.beefandlamb.com.au



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Australian Beef

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Safe,Healthyand Delicious







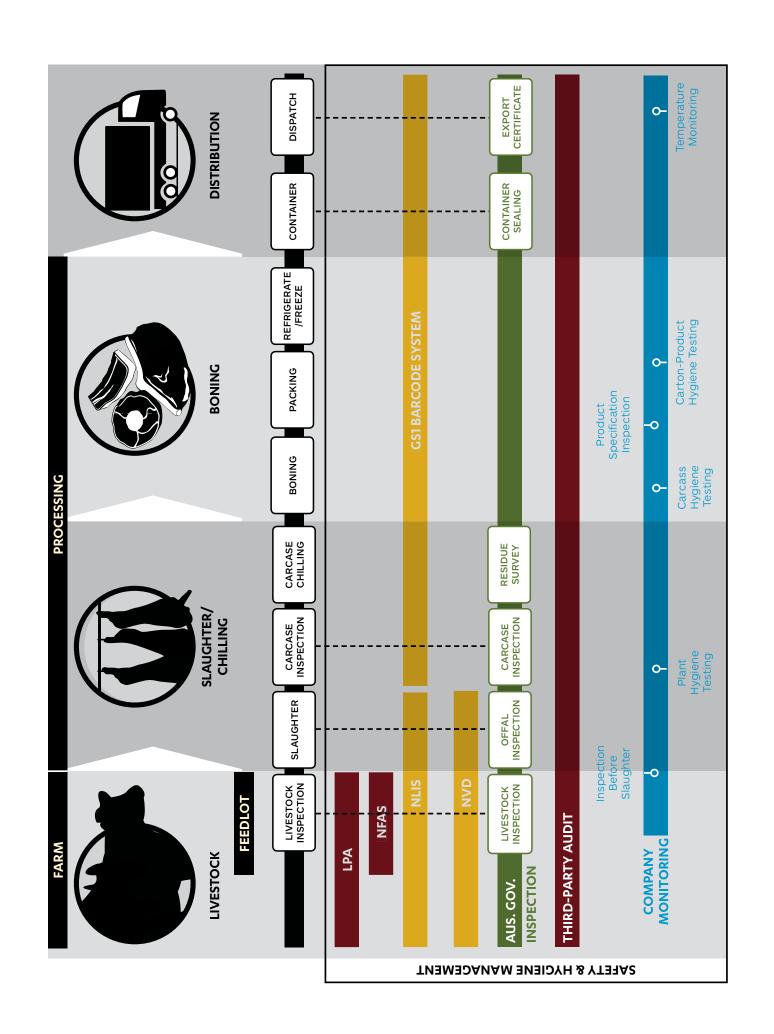
Australia is one of the world's largest beef exporters, supplying over 100 markets globally. The Australian livestock and meat industry is committed to providing beef that is of exceptional quality, with high nutritional value. The quality of our products complements our focus of meeting the demands of our international customers, including requirements for food safety, integrity and traceability.

Throughout the development of Australia's beef industry, producers, processors and

Throughout the development of Australia's beef industry, producers, processors and government have worked together to respond to the changing expectations of both domestic and international markets. This has included diversification of breeds, the adoption of sustainable animal husbandry practices, the development of meat quality grading processes and stringent standards and systems, all of which ensure food safety, integrity and traceability of the product throughout the supply chain.

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OVERVIEW OF AUSTRALIA'S BEEF SAFETY SYSTEM





FOOD SAFETY, INTEGRITY AND TRACEABILITY

The cornerstones of Australia's beef industry are food safety, integrity and traceability in all sectors including farms, feedlots, transportation, saleyards, processing plants, independent boning facilities and export distributors.

Food safety, integrity and traceability are all guaranteed through the range of standards and systems that have been adopted by industry. These standards and systems are based on an assessment of risk and sound science to meet the requirements of our customers both domestically and internationally. Furthermore, key aspects of these systems are independently audited for verification.

FOOD SAFETY

The safety of Australian beef is ensured through a number of mechanisms.

The Australian Government and industry established SAFEMEAT, a joint partnership consisting of representatives from government and industry, to ensure that all red meat products achieve the highest safety and hygiene standards from the farm to the consumer. More information can be found about SAFEMEAT at www. safemeat.com.au

Furthermore, the Meat & Livestock Australia (MLA) Food Safety Program is designed to assist all participants in the Australian red meat industry build expertise in food safety management and implement new, scientifically proven technologies.

INTEGRITY

The integrity of Australian beef is assured through the commitment by all participants of the supply chain to provide products of consistent quality with accurate descriptions of the systems used in the production and processing of the cattle and the meat and products that the system produces. The commitment is backed up with sophisticated systems to ensure customers can have complete confidence.

TRACEABILITY

The ability to trace products from their origin has been increasingly sought after by domestic and international customers. Australia has developed rigid systems to ensure that the traceability of its livestock and red meat is fail proof. Product traceability is a requirement under Australian state and territory legislation.



ONFARMS AND AT FEEDLOTS

The Australian beef industry has a number of programs in place from the beginning of the supply chain to protect product integrity and ensure traceability and food safety. These programs have been developed in partnership with the Australian industry, government and other relevant organizations and are independently audited.

The systems in place on the farm and at the feedlot that contribute to the integrity of Australian beef include:

- Animal Health Programs
- Livestock Production Assurance
- · National Feedlot Accreditation Scheme
- LPA National Vendor Declaration and Waybill
- National Livestock Identification System
- Pasturefed Cattle Assurance System
- Feed and fodder vendor declarations
- Agricultural and veterinary chemical registration and control
- Export slaughter intervals and withholding periods
- Animal welfare and environmental management

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ANIMAL HEALTH **PROGRAMS**

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The Australian beef herd has an enviable health status.

Australia is internationally recognized as being free of the significant exotic and notifiable diseases of cattle such as Foot and Mouth Disease (FMD), Rinderpest, Contagious Bovine Pleuro-pneumonia, tuberculosis and brucellosis and being at a 'negligible' risk of Bovine Spongiform Encephalopathy (BSE). Considerable monitoring of animal diseases is carried out in the field and at the processing plants to verify that this remains the case. The programs in place to control existing diseases are managed nationally.

More information on animal health can be found at www.animalhealthaustralia.com.au.

LIVESTOCK **PRODUCTION ASSURANCE**

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Livestock Production Assurance (LPA) is an on-farm food safety and quality assurance accreditation program.

LPA enables farmers to comply with the stringent requirements necessary when supplying animals for human consumption.

The LPA program was developed in accordance with hazard analysis and critical control point (HACCP) principles as the on-farm food safety program for extensively raised cattle. Independent audits, both random and targeted, are conducted to ensure the program's integrity is maintained.

The LPA on-farm food safety standard focuses on food safety management and consists of five elements:

- 1. Assessing risks that may occur on the farm
- 2. The safe and responsible use of animal treatments
- 3. The safe and responsible use of fodder crop, grain and pasture treatments, and stock foods
- 4. Dispatching of livestock that are suitable for sale
- 5. Recording of livestock transactions and movements

More information on the LPA program can be found at www.mla.com.au/lpa.

NATIONAL FEEDLOT ACCREDITATION SCHEME

A feedlot is an intensive production system where the cattle are fed a prepared feed ration for a specific length of time depending on the final customer requirements.

The National Feedlot Accreditation Scheme (NFAS) is a quality assurance system for feedlots producing grainfed beef for all export markets.

Health and production controls for grainfed cattle are applied through stringent checks of feed and water quality and safety. Strict regulations for the use of chemicals are adhered to, with monitoring for veterinary treatments and inspection for pesticides or trace metals.

Under the scheme, feedlots are independently audited annually to ensure compliance with animal welfare, environment, biosecurity, food safety and product integrity codes and legislation. Animals sold under NFAS must be accompanied by an NFAS Delivery Docket which includes a declaration from the vendor that the cattle have been raised in accordance with the program requirements.

NFAS requirements are continually updated as developments in legislation, codes of practice, guidelines, technology, best management practice and science occur.

More information on the NFAS can be found at www.feedlots.com.au.

LPA NATIONAL **VENDOR DECLARATION AND WAYBILL**

When livestock are transferred, either from one property to another, between owners or to a processing facility, traceability, as required through the LPA and NFAS programs is provided through the use of the LPA National Vendor Declaration and Waybill (LPA NVD/Waybill).

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	AND NO DESCRIPTION OF THE STREET	7 in the past \$0 days, have any of the cattle in this consignment consumed any material that
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2 Have the cattle in this consignment over in their lives been fed feed containing animal fats?		I am the person in chance of the cattle during the
Ves		am the person in charge of the cattle during the movement and declare all the information in Part B is true and correct.
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(if purposed at different times, took took song ago, were the cactor coctained or purchased? (if purposed at different times, took the bins apresponding to the time of the most recent purchases)		PART C Agents declaration for cattle well at auction. (Completion of Part C is optional.)
A Less than 2 months 🔲 8.2-5 months 🔲 C. 6-12 months 🖂 D. more than 12 months 🖂		Agants completing Plant C should notain the original or a scanned copy of the original declaration or a summary for a minimum of two (2) years, or those (3) years in 16A and supply a copy or summary to any buyer on request.
In the past 60 days, have any of these cattle been fed by-product stockfeeds?		
Yes No Section 2 The attent a lend the opposited excitions, then when take the and a range of an analysts report of excition. In the past 6 months have any of these animals been on a property fisted on the ERP database or placed under any restrictions because of chemical residues?		Vendor code / No.'s Agent's code
		Stock agent company
		Buyer's name Destination PIC
Yes □ No □ If Yes, give details:		No. of cattle purchased Saleyard arrival time (am/pm)
		Agent's signature Date / 20

The LPA NVD/Waybill contains information about the location of the property, the vendor, the unique Property Identification Code (PIC), exposure of the livestock to agricultural and veterinary chemicals, and grazing and supplementary feeding history. The LPA NVD/Waybill is a declaration that the vendor has met the requirements of LPA.

NATIONAL LIVESTOCK IDENTIFICATION SYSTEM

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The National Livestock Identification System (NLIS) enables livestock to be traced from their property of birth to slaughter.

Livestock must be identified with an approved radio frequency NLIS device (such as an ear tag or rumen bolus) before they leave their property of birth. These devices allow animal movements to be recorded in a central. national database.

NLIS provides whole-of-life traceability for biosecurity, food safety and product integrity purposes.

NLIS is underpinned by state and territory legislation which forms the regulatory framework for the system.

More information about NLIS can be found at www.mla.com.au/nlis.



PASTUREFED CATTLE ASSURANCE SYSTEM



The Pasturefed Cattle Assurance System (PCAS) is an assurance program that enables the extensive beef cattle industry to validate claims relating to pasturefed or grassfed production methods.

PCAS is underpinned by standards which govern the on-farm feed requirements and traceability of the cattle as well as pre-slaughter handling practices which influence eating quality. The PCAS Standards also include two optional modules to support claims that the animals have never in their lives been treated with antibiotics and hormone growth promotants (HGPs).

If a producer wants to make claims relating to pasturefed or grassfed production methods, they can be certified under PCAS. This requires the producer to keep good records about how the cattle were raised, have an independent audit carried out and provide a declaration when animals are consigned for sale using a Certified Pasturefed label claim.

More information about PCAS can be found at www.certifiedpasturefed.com.au



AGRICULTURAL AND VETERINARY **CHEMICAL** REGISTRATION AND CONTROL

Australia has a comprehensive system of registration and control of agricultural and veterinary chemicals, which include veterinary medicines.

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An important aspect of this control is the comprehensive food safety and market assessments of any chemical proposed for use on or near livestock. Those assessments must also include the establishment of withholding periods and export slaughter intervals.

More information about agricultural and veterinary chemical registration and control can be found on the Australian Pesticide and Veterinary Medicines Authority (APVMA). www.apvma.gov.au



EXPORT SLAUGHTER INTERVALS AND WITHHOLDING **PERIODS**

Consumers demand that products from farms be free of unacceptable chemical residues.

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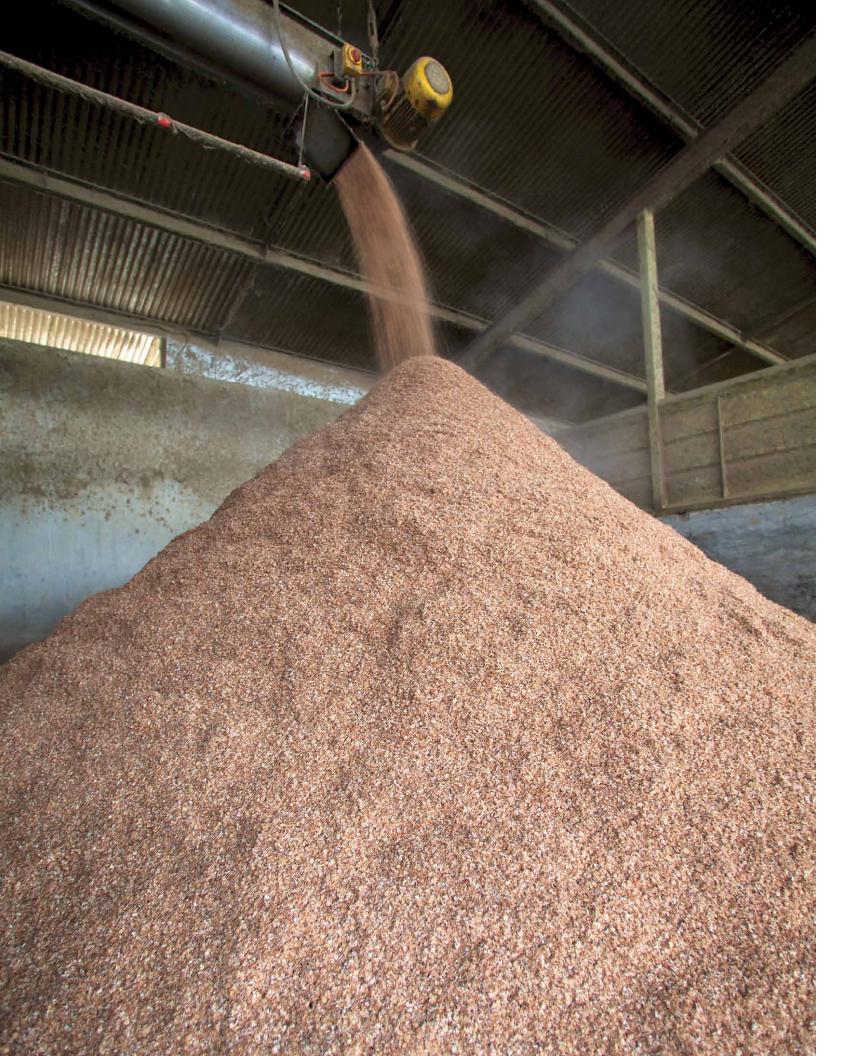
Australia's ability to meet these stringent demands underpins our excellent agricultural and food safety reputation.

A withholding period (WHP) is the time that must pass between a chemical application, including through the feeding of treated feed, and the slaughter, collection, harvesting or use of the animal commodity for human consumption. Chemical WHPs are mandatory for the domestic market and are included in the label information of all registered agricultural and veterinary chemical products.

An export slaughter interval (ESI) is the period that must lapse between chemical application to livestock and their slaughter for export. An export grazing interval (EGI) is the minimum time interval between application of a chemical to a crop or pasture that is continually grazed and

Producers must provide a declaration that the animals they consign to slaughter meet the ESI, EGI and WHP on the LPA NVD/Waybill that accompanies those animals. They also need to be able to provide evidence of management practices that minimize and eliminate risks of livestock residue contamination, through keeping good records of all on-farm chemical use

More information about chemical residues can be found at www.mla.com.au/Meat-safety-and-traceability/On-farmrisk-management/Residues



FEED AND FODDER DECLARATIONS

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Stock feed and fodder vendor declarations and commodity vendor declarations may be received when stockfeed is bought by a livestock producer.

These declarations are important tools in ensuring no livestock are exposed to feeds, including by-products, containing unacceptable contamination, specifically any food containing animal products and/or unacceptable chemical residues.

More information about feed and fodder declarations can be found at www.mla.com.au/Meat-safety-and-traceability/ On-farm-risk-management/Feed-and-fodder-declarations

ANIMAL HUSBANDRY AND ENVIRONMENTAL MANAGEMENT

The quality of Australia's beef is also supported by excellent animal husbandry practices, which ensure a high level of animal welfare and environmental management.

In turn, this helps guarantee that Australia's beef products are of outstanding quality, as animals are raised in environments with minimal stress and contaminants.

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The Australian beef industry undertakes considerable research and development activities at the farm and feedlot level to ensure continual improvement in the areas of product quality and consistency of supply. These activities include research into grazing practices, genetic improvement, efficient feeding regimes and animal welfare.

Since 1990 greenhouse gas emissions from Australia's sheep and cattle have decreased by 15%. For beef cattle, it is estimated that emissions have decreased by 7% for each kilogram of beef produced. Better genetics and feed quality have contributed to the higher efficiency of production with lower emissions of methane from digestion.

Australia is investing significantly in research and development to improve the environmental management within livestock industries. Research into issues such as waste management, farming systems, genetics and food alternatives, will help Australia further reduce emissions and sustainably supply red meat for customers around the world.

More information about can be found at www.mla.com.au/ Cattle-sheep-and-goat-industries/Environment and www.target100.com.au



AT SALEYARDS AND DURING TRANSPORT

As livestock leave the farm or the feedlot, their movement is governed by a number of programs and systems to ensure the integrity, traceability and welfare of the cattle and therefore, the beef produced.

The programs that are in place at the saleyard and during transportation include:

- TruckCare
- National Saleyard Quality Assurance
- National Livestock Identification System

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DURING PROCESSING AND DISTRIBUTION

The final stage in the red meat and livestock supply chain in Australia involves processing and distribution. During this stage, rigorous systems, standards and controls are in place to ensure that safe, hygienic and suitable products are provided to customers.

These systems include the following:

- Animal welfare
- The Australian Standard
- Australian Government Department of Agriculture
- · In-plant product traceability
- Meat Transfer Certificates
- Australian Government Health Certificate
- Monitoring programs
- Product Hygiene Indicators
- National Residue Survey
- · Distribution and shelf-life

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ANIMAL WELFARE

Processing facilities are required under legislation to ensure the welfare of animals from receival to slaughter and throughout the slaughter process.

In order to meet regulatory requirements and ensure a high level of animal welfare, the processing industry developed an independently audited certification program that provides the necessary assurances to customers that animals are treated humanely from the time they arrive at the facility through until they are processed.

For further information visit www.amic.org.au/content_common/pg-aawcs.seo

THE AUSTRALIAN STANDARD

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All processing facilities operate under the Australian Standard (AS) for hygienic production and transportation of meat and meat products for human consumption (AS4696:2002) which is designed to ensure that meat for human consumption is safe and wholesome.

Identification, traceability and maintenance of product integrity are also requirements of the Australian Standard. The Standard emphasizes risk assessment and risk management through the application of the HACCP principles.

All facilities are required to have a written quality/food safety system that is approved and audited by the government controlling authority.

AUSTRALIAN GOVERNMENT DEPARTMENT OF AGRICULTURE

Registered export meat processing facilities in Australia operate under the Export Control Act 1982, regulated by the Department of Agriculture.

Registration and supervision was formerly provided by the Australian Quarantine Inspection Service (AQIS), an operating unit of the Department of Agriculture Fisheries and Forestry (DAFF), now the Department of Agriculture. The Department of Agriculture regulates through the Act, subordinate regulation and the Export Control (Meat and Meat Products) Orders 2005 (the Orders).

The Orders govern all aspects of facility management, quality systems, traceability, product safety and integrity through to export. Department of Agriculture veterinary officers are present in processing facilities to:

- Conduct animal health inspections prior to slaughter;
- Verify the company daily preoperational hygiene inspections;
- Verify the effectiveness of quality assurance programs and meat safety throughout the production process;
- Supervise post mortem inspections to ensure the safety and suitability of products for human consumption.

The Department of Agriculture also employs senior veterinary officers to conduct audits of facilities.

More information on the Department of Agriculture can be found at www.daff.gov.au/biosecurity/export/meat

IN-PLANT PRODUCT TRACEABILITY

When cattle are received at the processing facility, the NLIS devices and LPA NVD/ Waybills are checked to ensure that animals are identifiable and that any risks associated with those animals can be managed.

The identity of the animal and the carcase are maintained until the carcase is cut to meet customer specifications.

Meat and offal packed into cartons are labeled with a unique label that uses the GS1 barcode system and that specifies the packing facility, the time and date of packing and the contents of the carton. The use of the GS1 barcode system ensures that traceability is maintained after slaughter of the animal up to the point of distribution.

When carcases or cartons of product are moved from one facility to another they are accompanied by an official Meat Transfer Certificate issued under the general supervision of the Department of Agriculture that specifies the sending and receiving facilities, the quantity of product, market eligibility, and may also include any security seals used on the transport vehicle.

AUSTRALIAN GOVERNMENT HEALTH CERTIFICATE

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Once the meat is ready for export, the processing facility electronically requests a Health Certificate from the Department of Agriculture.

The Health Certificate states that beef was processed in a hygienic manner and was derived from animals which have been found by ante-mortem veterinary inspection to be free from disease and by post-mortem inspection to be fit for human consumption. The Health Certificate is only issued if the meat complies with both the Australian and any additional importing country requirements.

The Health Certificate includes information on the exporter, importer, processing facility, boning room, a description of the product including quantities, container marks/numbers, official container seal number, vessel or aircraft, the port of loading and discharge and any additional declarations that are required by the market. The Health Certificate is printed on security paper and guarantees that both Australian and importing country requirements have been met. In some cases, Health Certificates are provided directly to importing country authorities through secure electronic means.

MONITORING PROGRAMS

In addition to the activities undertaken within the supply chain, the Australian beef industry has implemented several assessment and monitoring programs, managed by the Department of Agriculture, to provide verification of food safety.

These include:

- Product Hygiene Indicators
- National Residue Survey

PRODUCT HYGIENE INDICATORS

The Product Hygiene Indicators (PHI) were developed to monitor the performance of slaughter and boning facilities against the outcomes required by the Australian Standard. Under the PHI program, objective measures of performance (Key Performance Indicators or KPIs) are collected by industry and are verified by the Department of Agriculture and are used to monitor hygienic performance at individual facilities.

KPIs include both visual and microbiological measurements of process and product hygiene. One KPI is performance in generic E. coli and Salmonella monitoring (ESAM). Under ESAM, carcase surfaces of all species of livestock slaughtered in Australia for export are tested for aerobic plate count, generic E. coli and Salmonella.

NATIONAL RESIDUE SURVEY

The National Residue Survey (NRS) is an important part of the Australian Government program to manage the risk of chemical residues and environmental contaminants in agricultural products and meat producing animals. The purpose of residue monitoring is to facilitate the testing of animal products for pesticide and veterinary medicine residues and environmental contaminants.

Samples are collected randomly by government veterinarians throughout Australia based on processing volumes and agreements with importing countries. Thousands of meat samples are tested each year for a large number of chemicals by methods sensitive enough to detect very low concentrations. Appropriate authorities are contacted when chemicals are detected at levels approaching the allowable limits, so that corrective action can be taken and, where required, ensure the removal of affected product from the food chain.

DISTRIBUTION AND SHELF-LIFE

Once the meat is ready for export, the processing facility electronically requests a Health Certificate from the Department of Agriculture.

Once the beef has been processed, the temperature of the meat is quickly reduced to an optimal storage temperature that is maintained until the product reaches the intended market. Meat is transported between establishments and to ports under active refrigeration to ensure the integrity

The shelf life of chilled product is dependent upon the initial quality of the meat (pH, color and microbiological quality), as well as adequate vacuum packaging and temperature control during distribution. If the meat is appropriately packaged and if temperature is regulated within the optimum range, chilled beef can have a shelf

and safety of the product and prolong its shelf-life.

Meat processors are required to verify the shelf life of their products.

life of up to 20 weeks.

MLA FOOD SAFETY PROGRAM

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The MLA Food Safety Program fosters innovation and expertise in food safety throughout the Australian red meat industry.

This initiative is designed to ensure the sustainability of the industry and to assist companies along the supply chain

The objective of the Food Safety Program is to develop programs in industry that:

implement new, scientifically proven technologies.

- Improve the understanding of foodborne hazards.
- Evaluate and validate control procedures and safety practices.
- Assist industry with adoption of new technologies and processes.



SUPPORTING AGENCIES

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The Australian beef industry is supported by the following agencies in its food safety, integrity, traceability and welfare-based approach to beef production:

AUSTRALIAN PESTICIDE AND VETERINARY MEDICINES AUTHORITY

The Australian Pesticide and Veterinary Medicines Authority (APVMA) is an Australian Government statutory authority established in 1993 to centralize the registration of all agricultural and veterinary chemical products into the Australian marketplace. All agricultural and veterinary chemicals used in Australia are required by law to be registered by the APVMA.

The APVMA evaluates, registers and regulates agricultural and veterinary chemicals in Australia up to the point of sale. The state and territory government agencies are responsible for the control and use of these chemicals.

www.apvma.gov.au

ANIMAL HEALTH AUSTRALIA

Animal Health Australia (AHA) is a not-for-profit public company established by the Australian Government, state and territory governments and major national livestock industry organizations. AHA's role is to facilitate improvements in Australia's animal health policy and practice in partnership with the livestock industries, governments and other stakeholders.

www.animalhealthaustralia.com.au

LIVESTOCK BIOSECURITY NETWORK

The Livestock Biosecurity Network (LBN) helps ensure farmers and farming organizations are prepared for and understand their role in the event of exotic disease incursions or the spread of endemic diseases. This includes disease surveillance and detection, reporting and response.

The LBN works to increase farmers, and farming organizations, understanding of animal welfare issues, biosecurity, emergency animal disease responses and disease surveillance.

www.lbn.org.au

STATE/TERRITORY GOVERNMENT AGENCIES

In Australia, state and territory government agencies are responsible for developing and enforcing legislation to ensure that notifiable animal diseases (including those diseases notifiable to the World Organization for Animal Health (OIE) are notified.

These agencies may also have the responsibility to assist livestock producers become sustainable, more efficient and productive.