

EUROPASS CERTIFICATE SUPPLEMENT

TITLE OF THE DIPLOMA (ES)

Técnico en Producción Agropecuaria

TRANSLATED TITLE OF THE DIPLOMA (EN)⁽¹⁾

Technician in Livestock Farming Production

(1) This translation has no legal status.

DIPLOMA DESCRIPTION

The holder of this diploma will have acquired the General Competence with regard to:

Obtaining farming products and sub products in accordance with quality and profitability criteria, performing operations of production and maintenance of facilities and equipment, applying legislation on environmental protection, labour risk protection, animal welfare and food safety.

Within this framework, the PROFESSIONAL MODULES and their respective LEARNING OUTCOMES acquired by the holder are listed below:

“Agricultural Fundamentals”

The holder:

- Characterises climate and its effect on crops analysing available information.
- Identifies types of soils and their characteristics interpreting the obtained data through analyses.
- Carries out the basic representation of topographic characteristics of the land justifying the techniques used.
- Determines water needs of species analysing the relationship water-soil-plant.
- Recognises the characteristics of ecosystems in the nearest environment analysing biotic interrelations.
- Identifies vegetable species following taxonomic criteria.
- Characterises fertilisers recognising their use.

“Zootechnics Fundamentals”

The holder:

- Identifies mammals and birds breeds of interest within the field of stockbreeding, describing their morphological external characteristics and productive suitability.
- Determines livestock food and nutrition needs, calculating the necessary portions to cover them according to their type and characteristics.
- Describes animal reproduction, considering their biological fundamentals and associated techniques.
- Classifies the most common pathologies that affect animals and their influence on them, analysing the concept of disease and its causes.
- Characterises cattle housing, relating the same with the production stage and target species.
- Identifies the different animal products, describing their characteristics and physiological basis of production.

“Organic Harvesting”

The holder:

- Defines the production orientation of the farm, identifying available resources and market demand.
- Selects crops relating them with the productive objectives of the farm.
- Carries out cropping operations without soil analysing and applying hydroponic techniques.
- Performs land suitability operations in accordance with traditional agriculture for the sowing, transplanting and planting through the analysis and application of cultivation techniques.
- Plants vegetable material, justifying the use of improved plants and seeds and applying modern agriculture techniques.
- Complies with the rules on labour risk prevention and environmental protection, identifying associated risks and measures and equipment to prevent them.

“Workshop and Traction Equipment”

The holder:

- Organises the farm workshop justifying the placement of tools and equipment.
- Drives tractors and traction equipment interpreting their functionality and use.
- Carries out the basic maintenance of tractors and traction equipment interpreting protocols and maintenance records.

- Performs welding and basic machining operations justifying materials and methods used.
- Complies with the rules on labour risk prevention and environmental protection, identifying associated risks and measures and equipment to prevent them.

“Agricultural Infrastructures and Facilities”

The holder:

- Installs and maintains agricultural infrastructures describing their characteristics and fitting techniques.
- Fits irrigation installations identifying their elements and fitting techniques.
- Installs protection and forcing systems relating them with environmental and crop factors.
- Maintains agricultural installations interpreting the established protocols for their preservation and hygiene.
- Complies with the rules on labour risk prevention and environmental protection, identifying associated risks and measures and equipment to prevent them.

“Vegetable Safety Principles”

The holder:

- Characterises undesirable spontaneous vegetation describing species present in the area.
- Determines the damaging and beneficial fauna for vegetables, relating biological characteristics with the effects on plants.
- Determines beneficial agents and those causing diseases and damages that affect plants, describing their characteristics.
- Determines the sanitary state of plants, assessing the information obtained in accordance with the established protocol.
- Characterises protection methods for plants assessing their effects on their sanitary state.

“Agricultural Production”

The holder:

- Performs necessary operations for crop irrigation relating the irrigation system with the needed water.
- Carries out crop manuring analysing the techniques and procedures to be applied.
- Carries out cultivation tasks relating them with the type of crop and associated techniques.
- Collects, handles and conditions crops justifying the techniques and modern agriculture methods.
- Complies with the rules on labour risk prevention and environmental protection, identifying associated risks and measures and equipment to prevent them.

“Production of Milk, Eggs and Animals for Life”

The holder:

- Selects and prepares animals for reproduction, applying certain methods and techniques.
- Performs the necessary operations to monitor the stages of heat, mating and gestation, considering the particularities of each species.
- Handles the mother and litter during parturition and feeding, following the established protocols in order to achieve their maximum survival.
- Performs the operations of milking, controlling equipment and animals and following the established protocols in order to obtain quality milk and maintain the udder in good health.
- Carries out the necessary operations to produce eggs and chicks, following technical specifications and applying profitability and quality criteria.

“Production of Meat and Other Livestock Productions”

The holder:

- Performs the receipt and dispatch of animals operations interpreting the established rules and protocols, guaranteeing animal health and welfare.
- Carries out the livestock feeding operations, using the appropriate means and methods for species, production stage and farming system.
- Manages the processes of rearing and foddering following the pre-established criteria and protocols.
- Manages livestock grazing, making the most of pastures in a sustainable way.
- Performs handling operations of beehives in order to produce honey and other bee products, applying techniques and using intensive production means.
- Complies with the rules on labour risk prevention and environmental protection, identifying associated risks and measures and equipment to prevent them.

“Phytosanitary Control”

The holder:

- Determines phytosanitary chemical products that must be applied analysing their technical characteristics.
- Stores and handles phytosanitary chemical products interpreting the established rules and protocols.
- Applies physical, biological and/or biotechnical methods describing and controlling the prescribed techniques.

- Prepares phytosanitary chemical products following the established protocol.
- Applies phytosanitary chemical products selecting machinery and equipment.
- Recognises the risks derived from the use of phytosanitary chemical products according to their composition and action mechanisms, analysing their damaging effects on people and the environment.
- Complies with the rules on labour risk prevention and environmental protection, identifying associated risks and measures and equipment to prevent them.

“Professional Training and Guidance”

The holder:

- Selects job opportunities, identifying the different possibilities of labour integration, and the alternatives of lifelong learning.
- Applies teamwork strategies, assessing their effectiveness and efficiency on the achievement of the company's goals.
- Exercises rights and complies with the duties derived from labour relationships, recognising them in the different job contracts.
- Determines the protective action of the Spanish Health Service in view of the different eventualities covered, identifying the different types of assistance.
- Assesses risks derived from his/her activity, analysing job conditions and risk factors present in his/her labour setting.
- Participates in the development of a risk prevention plan in a small enterprise, identifying the responsibilities of all agents involved.
- Applies protection and prevention measures, analysing risk situations in the labour setting of the Technician in Livestock Farming Production.

“Business and Entrepreneurial Initiative”

The holder:

- Recognises skills related to entrepreneurial initiative, analysing the requirements derived from job positions and business activities.
- Defines the opportunity of creating a small enterprise, assessing the impact on the performance setting and incorporating ethic values.
- Carries out the activities for the setting-up and implementation of a company, choosing the legal structure and identifying the associated legal obligations.
- Carries out basic administrative and financial management activities of an SME, identifying the main accounting and tax obligations and filling in documentation.

“On the Job Training”

The holder:

- Identifies the company's structure and organization relating it to service provision.
- Applies labour and ethic habits in his/her professional activity according to the characteristics of the job position and the procedures established by the company.
- Performs cropping operations, preparing the soil and using farming equipment and machinery in accordance with the established instructions.
- Carries out the operations of crops production, identifying techniques and using available resources and facilities.
- Applies phytosanitary control techniques, using methods and equipment in accordance with the established protocols.
- Manages livestock, applying procedures and techniques for their breeding, production, reproduction and welfare following instructions.
- Fits and maintains forcing systems, farming infrastructures and facilities, interpreting technical instructions and documentation.

RANGE OF OCCUPATIONS ACCESSIBLE TO THE HOLDER OF THE DIPLOMA

The Technician in Livestock Farming Production works in either public or private companies, as an employee or self-employed, aimed at cropping and/or livestock production. It is classified under the farming sector within the following productive activities: fruit farming; horticultural and herb cropping; livestock farming; institutions in charge on researching and experimenting on crops and livestock production; companies working on agriculture and stockbreeding; school plant nurseries and gardens; school farms and nature's classrooms.

The most relevant occupations or jobs are the following:

- Qualified employee working on crops and stockbreeding
- Qualified self-employed working on crops and stockbreeding
- Farmer
- Horticulturist
- Fruit farmer
- Flower-grower

- Cattle-raiser
- Poultry farmer
- Beekeeper
- Milk producer
- Egg producer
- Agricultural and stockbreeding machinery operator

AWARD, ACCREDITATION AND LEVEL OF THE DIPLOMA

Name of the body awarding the diploma on behalf of the King of Spain: Spanish Ministry of Education or the different Autonomous Communities according to their areas of competence. The title has academic and professional validity throughout Spain.

Official duration of the education/ training leading to the diploma: 2000 hours.

Level of the diploma (national or international)

- NATIONAL: Post-Compulsory Secondary Education
- INTERNATIONAL:
 - Level 3 of the International Standard Classification of Education (ISCED3).
 - Level _____ of the European Qualifications Framework (EQF__).

Entry requirements: Holding the Certificate in Compulsory Secondary Education or holding the corresponding access test.

Access to next level of education/training: This diploma may provide access to Higher Technical Cycles provided that an entrance exam is passed.

Legal basis. Basic regulation according to which the diploma is established:

- Minimum teaching requirements established by the State: Royal Decree 1634/2009, of 30 October, according to which the diploma of Technician in Livestock Farming Production and its corresponding minimum teaching requirements are established.

Explanatory note: This document is designed to provide additional information about the specified diploma and does not have any legal status in itself. An Annex I may be added and will be filled in by the corresponding Autonomous Community.

INFORMATION ON THE EDUCATION SYSTEM

