

# EUROPASS DIPLOMA SUPPLEMENT TO TECHNICAL VOCATIONAL TRAINING

## TITLE OF THE DIPLOMA (ES)

*Técnico en Jardinería y Floristería*

## TRANSLATED TITLE OF THE DIPLOMA (EN)<sup>(1)</sup>

*Technician in Gardening and Floristry*

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(1) This translation has no legal status.

## DESCRIPCIÓN DEL TÍTULO

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

Planting, preserving and restoring outdoor and indoor gardens, as well as fields for sport use, and performing plant production and floristry activities, operating and maintaining the machinery and the facilities, complying with environmental rules, quality control and labour risk prevention.

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

### “Agronomic Basis”

The holder:

- Characterises the climate and its effects on crops, analysing the available information.
- Identifies types of soils and their characteristics interpreting the obtained data through analyses.
- Carries out the basic representation of the topographic characteristics of the land and justifying the techniques used.
- Determines water needs of species, analysing the link 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.

### “Workshop and Traction Equipment”

The holder:

- Organises the farm workshop justifying the placement of tools and equipment.
- Drives tractors and the traction equipment, interpreting their functionality and use.
- Carries out tractors and traction equipment basic maintenance, interpreting protocols and maintenance records.
- Performs basic welding and machining operations, justifying the materials and the methods used.
- Complies with the rules on labour risk prevention and environmental protection, identifying the associated risks and measures and the 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 assembly techniques.
- Installs protection and forcing systems, relating them to 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 the associated risks and the measures and the equipment to prevent them.

### “Vegetable Safety Principles”

The holder:

- Characterises undesirable spontaneous vegetation, describing those species present in the area.
- Determines the damaging and beneficial fauna for vegetables, relating biological characteristics to 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.

### **“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 the people and the environment.
- Complies with the rules on labour risk prevention and environmental protection, identifying the associated risks and the measures and the equipment to prevent them.

### **“Planting Gardens and Green Areas”**

The holder:

- Replans the elements of indoor and outdoor gardens or green areas, describing the measuring types and marking techniques.
- Prepares the land and the containers, describing the means and the methods used.
- Makes small gardening constructions and installations distinguishing the installation components or elements.
- Sows and plants vegetable material, describing the tasks that ensure emergence and rooting.
- Plants trees, bushes and plants, analysing the associated techniques.

### **“Maintenance and Improvement of Gardens and Green Areas”**

The holder:

- Maintains and restores gardens or green areas, describing preservation methods and techniques.
- Irrigates and fertilizes gardens or green areas, analysing plant needs and the application techniques.
- Maintains non-vegetable elements of the garden or green area, describing the associated tools and techniques. Carries out upwards displacements, identifying climbing systems and methods.
- Works at a height, describing machinery, tools and methods.

### **“Plans and Sods Production in Nurseries”**

The holder:

- Propagates plants through generative multiplication, analysing seed characteristics and needs.
- Propagates plants through asexual reproduction, describing multiplication techniques.
- Prepares the growing medium for plants in a nursery, describing production means and materials.
- Grows plants in a nursery and is responsible for the environmental control, describing species requirements.
- Produces sods describing, growing operations.
- Prepares orders of seeds, plants and sods for their dispatch and transport describing methods and techniques.

### **“Flower and Plant Arrangements”**

The holder:

- Draws sketches of flower and plants arrangements, artistic techniques with aesthetic, economic and functional criteria.
- Prepares flower arrangements, describing their stages.
- Prepares plant arrangements relating aesthetic techniques to the pre-established design.
- Prepares arrangements for events, meetings, ceremonies or celebrations, describing artistic techniques.
- Adorns wide areas with plants and flowers, describing the different stages of the decorative project.

### **“Florist’s Shops”**

The holder:

- Distributes the rooms and the elements in a florist’s, analysing technical, practical, aesthetical and comfort criteria.
- Organises the activities carried out in a florist’s workshop, describing tasks and interpreting organisation methods.
- Organises the cleaning and carries out the maintenance of the facilities, the equipment, the machinery and the tools in a florist’s, interpreting protocols and maintenance manuals.
- Monitors and organises the storage and preservation for raw materials, materials and the common products in a florist’s, describing the associated systems and techniques.
- Sets up window displays and exhibitions in the florist’s sales room, identifying functional, aesthetic and commercial criteria.

### **“Gardening and Floristry Sale Techniques”**

The holder:

- Helps customers, describing performance protocols and the products and services offered.

- Produces budgets analysing the cost of products and services, as well as the preparation tools.
- Completes the sale process, describing the procedure for collecting and for the presentation of products.
- Organises the distribution of products, and services describing the procedures to be followed.
- Resolves complaints and attends suggestions of customers in the after-sales service showing performance criteria and procedures.

### **“Professional Training and Guidance”**

The holder:

- Selects job opportunities, identifying the different labour integration possibilities, and lifelong learning alternatives.
- 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 covered eventualities, identifying the different types of assistance.
- Assesses the risks derived from his/her activity, analysing the job conditions and the risk factors present in his/her labour setting.
- Participates in the development of a risk prevention plan in small enterprises, identifying the responsibilities of all the agents involved.
- Applies protection and prevention measures, analysing risk situations in the labour setting of the Technician in Gardening and Floristry.

### **“Business and Entrepreneurial Initiative”**

The holder:

- Recognises the skills related to the entrepreneurial initiative, analysing the requirements derived from the different job positions and business activities.
- Defines the opportunity of creating a small enterprise, assessing the impact on the sphere of action and incorporating ethic values.
- Carries out the activities for the setting-up and the implementation of a company, choosing the legal structure and identifying the associated legal obligations.
- Carries out the 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 them to its product manufacturing and organization.
- Applies labour and ethic habits in the development of his/her professional activity, according to the characteristics of the job position and the procedures established by the company.
- Plants gardens and green areas, preparing soils and using the company equipment and machinery, in accordance with the established instructions.
- Produces plants and sods in nurseries, identifying techniques and using the available resources and facilities.
- Applies phytosanitary control techniques, using methods and equipment in accordance with established protocols.
- Makes flower and plants arrangements, characterising artistic techniques and the different stages of the process.
- Carries out tasks in a florist's following proposed actions in the company.
- Assembles and maintains forcing systems, infrastructures and facilities, interpreting its instructions and its technical documentation.
- Carries out sale and customer service operations, following the instructions established by the company.

## **RANGE OF OCCUPATIONS ACCESSIBLE TO THE HOLDER OF THE DIPLOMA**

The Technician in Gardening and Floristry works in either public or private companies, focused on the installation, maintenance and improvement of indoor and outdoor gardens and green areas, production of plants and sods in nurseries and the creation and preparation of flower and plants arrangements and adornments. Moreover, s/he performs activities of commercialization and distribution related to the same, either as an employee or as a self-employed.

Furthermore, s/he is able to apply plague treatments, according to the activity governed by regulations, and in accordance with rules on labour risk prevention.

The most relevant occupations or jobs are the following:

- Plantations, nurseries and gardens worker
- General gardener
- Sports fields gardener
- City, historical and botanical gardens worker

- Qualified worker in planting gardens and green areas
- Qualified worker in maintenance and improvement gardens and green areas
- Self-employed qualified worker in a gardening company
- Nursery person
- General nursery worker
- Qualified worker in plant propagation in nurseries
- Qualified worker in plant growing in nurseries
- Expert worker in seeds and fruits at a height recollection
- Qualified worker in seeds production
- Grafter
- Qualified worker in seeds
- Self-employed or employed florist
- Floristry skilled worker
- Flower shop assistant

### **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 1129/2010, of 10 September, according to which the diploma of Technician in Joinery and Cabinetmaking 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

