

**1. TITLE OF THE PROFESSION**

08104005 Növényvédelmi drónpilóta

2. TRANSLATED TITLE OF THE PROFESSIONCrop protection drone pilot
(THIS TRANSLATION HAS NO LEGAL STATUS)**3. PROFILE OF SKILLS AND COMPETENCES**

- Upon obtaining the professional qualification, the drone pilot performing crop protection treatments - under the supervision of a supervisor with a tertiary degree in plant protection - performs plant protection monitoring and treatments with a drone in various agricultural crops and on green areas in residential areas;
- plans the treatments on the map of the area to be treated, assessing and taking into account the risks of the terrain for flight and then programmes the flight path;
- familiar with plant protection products and the human and environmental risks inherent in their use;
- maintains the device used for spraying, applies the appropriate settings during the treatment, participates in the mixing of the spray juice, manages the filling of the spray juice tank and after the treatment, ensures the proper treatment of waste, residues and contaminated equipment;
- drone pilots must take place in 8 hours of advanced training every 2 years in order to keep their knowledge up-to-date in this rapidly developing sector.

4. CLASSIFICATION OF THE VOCATIONAL TRAINING ACCORDING TO THE ISCED FIELDS OF EDUCATION AND TRAINING (ISCED-F)

0810 Agriculture not further defined

(* Explanatory notes:

¹ In the original language. | ² The translation of the designation is provided for information purposes only. | ³ Fill it out if necessary. The certificate supplement provides additional information on the qualification but have no legal value in itself. The format of the description is in conformity with Decision (EU) 2018/646 of the European Parliament and of the Council of 18 April 2018 on a common framework for the provision of better services for skills and qualifications (Europass) and repealing Decision No 2241/2004/EC.

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5. OFFICIAL BASIS OF THE CERTIFICATE

| | | | | | | | | | | | | | | | | |
|---|---|----------------|--|--|-----------------------------------|------|---|-------------------------|--|--|--|------|---|---|------|---|
| <p>Name and status of the authority issuing the certificate</p> | <p>Name and status of the national/regional authority providing accreditation/recognition of the certificate</p> <p>Ministry of Culture and Innovation</p> | | | | | | | | | | | | | | | |
| <p>Level of the certificate (national or international)</p> <p>NQF level: 4</p> <p>EQF level: 4</p> <p>Digital Competence Framework level: 6</p> | <p>Grading scale / Pass requirements</p> <p>Five -grade: 5 excellent 4 good 3 satisfactory 2 pass 1 fail</p> | | | | | | | | | | | | | | | |
| <p>Certificate number: CXX A</p> <p>Serial number: 123456</p> <p>Certificate issue date: 2023.12.07</p> | <p>Designation of the theoretical and practical subjects of the vocational qualification examination and their grades according to a five-grade scale</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="3">written</td> </tr> <tr> <td>Crop protection drone application</td> <td style="text-align: center;">100%</td> <td style="text-align: center;">5</td> </tr> <tr> <td colspan="3">project exercise</td> </tr> <tr> <td>Planning and carrying out an independent spraying task</td> <td style="text-align: center;">100%</td> <td style="text-align: center;">5</td> </tr> <tr> <td>Result of the qualification examination</td> <td style="text-align: center;">100%</td> <td style="text-align: center;">5</td> </tr> </table> | written | | | Crop protection drone application | 100% | 5 | project exercise | | | Planning and carrying out an independent spraying task | 100% | 5 | Result of the qualification examination | 100% | 5 |
| written | | | | | | | | | | | | | | | | |
| Crop protection drone application | 100% | 5 | | | | | | | | | | | | | | |
| project exercise | | | | | | | | | | | | | | | | |
| Planning and carrying out an independent spraying task | 100% | 5 | | | | | | | | | | | | | | |
| Result of the qualification examination | 100% | 5 | | | | | | | | | | | | | | |
| <p>Access to next level of education/training</p> <p>To higher education</p> | <p>International agreements</p> | | | | | | | | | | | | | | | |
| <p>Other information concerning the vocational training process</p> <p>Unified Decree of the Ministry of Agriculture-Ministry of Economy and Transport-Ministry of the Environment and Water on agricultural and forestry aerial work; Ministry of Innovation and Technology Decree 6/2021. (II. 5.); Ministry of Agriculture Decree 43/2010. (IV. 23.);</p> | | | | | | | | | | | | | | | | |
| <p>Legal basis</p> <p>Government Decree 12/2020 (II. 7.) on the Implementation of the Vocational Education and Training Act, Government Decree 319/2020 (VII. 1.) on the amendment of Government Decree 12/2020 (II. 7.) on the Implementation of the Vocational Education and Training Act, Government Decree 11/2020 (II. 7.) on the Implementation of the Act on Adult Education, Government Decree 292/2023 (VII. 6.) on the amendments to government decrees due to the ex-post impact assessment of the transformation in vocational education and training.</p> | | | | | | | | | | | | | | | | |

6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE

| Description of the sectoral basic training and the theoretical and practical vocational training | Distribution of programme elements in percentage |
|--|--|
| | |
| Total duration of the education/training | 386 hours |

Entry requirements:

- Educational attainment: secondary school-leaving examination or secondary vocational qualification in agriculture and forestry or mechanical engineering or specialized machine and vehicle manufacturing or information technology and telecommunications sectors
- Professional qualification: valid unmanned aircraft pilot license prescribed by Ministry of Innovation and Technology 6/2021. (II. 5.) on the designation of the organisations conducting the training and testing of remote pilots, on the detailed rules for the training and testing of remote pilots, and on the fee for participating in the examination; minimum training stipulated in Ministry of Agriculture Decree 43/2010. (IV. 23.) (80-hour green book crop protection basic course)
- Medical fitness requirement: necessary in the same manner as driver's licence health requirements, therefore having at least a B category driver's licence is a prerequisite for the examination

Further information:

WRITTEN EXAMINATION EXERCISES

Students complete a test based on the provided test questions: The technical characteristics of drones, the conditions of flight, the legal framework; Ground operation of plant protection drones, rules for preparation for flight; Aerial operation of data-gathering and chemical-dispensing drones, flight execution rules; Plant protection agents and their application technique; Plant pests and their control; Public health, environmental protection, occupational safety and legal knowledge, rules; Basic meteorology knowledge, in particular, with regards to factors affecting flight safety and the condition of monitored stocks; Basic GIS knowledge, in particular, with regards to knowledge of navigation and geoinformatics data management

PROJECT EXERCISES

Providing for the conditions of flight, requesting airspace; Setting up the spraying device, checking the environmental conditions, recording the spraying task, performing the spraying task, planning and executing the flight of the recording drone

You can find more information on the Programme and System Requirements in the following link: <https://ikk.hu>

This certificate supplement was elaborated in accordance with the programme requirements registered by the minister responsible for VET.

National Reference Point: National Office of Vocational Education and Training and Adult Learning:
<https://nrk.nive.hu>

Head of Examination Organiser:

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