



1. TITLE OF THE CERTIFICATE (NL)

Diploma Beroepsonderwijs
Kwalificatie: Vakexpert teelt en groene technologie
Kwalificatiedossier: Agro productie, handel en technologie

In the original language

2. TRANSLATED TITLE OF THE CERTIFICATE (EN)

Certificate Senior Secondary Vocational Education
Qualification: Cultivation and green technology expert
Qualification file: Agricultural production, trade and technology

This translation has no legal status

3. PROFILE OF SKILLS AND COMPETENCES

Core task 1: Is responsible for taking care of the agribusiness product

- 1.1 Is responsible for the quality of the agribusiness product
- 1.2 Is responsible for the machinery, equipment and technical installations
- 1.3 Is responsible for the company buildings and grounds
- 1.4 Is responsible for information in the production chain

Core task 2: Cultivates products/crops

- 2.1 Attends to the cultivation process and processing
- 2.2 Supervises the cultivation process
- 2.3 Controls and monitors crop health

Core task 3: Optimises company activities

- 3.1 Plans and divides the daily work duties
- 3.2 Supervises colleagues in technical professional areas
- 3.3 Optimises the processes/productions
- 3.4 Analyses corporate data and forms visions
- 3.5 Analyses suppliers and sales market
- 3.6 Advises on innovations
- 3.7 Forms networks and utilises them

4. RANGE OF OCCUPATIONS ACCESSIBLE TO THE HOLDER OF THE CERTIFICATE

The Cultivation and green technology expert can work for an arable farming, horticulture or reusable biological waste companies or a combination of these. In the future this will include new and alternative forms of cultivation as well. He can also work at a processing company or industrial companies which process reusable biological waste or at a care farm. He generally does administrative tasks and can also work in greenhouses, halls and out in the field. A Cultivation and green technology expert often works in a team and has a leading function.

Additional certification is required in doing the following tasks:

- Exterminating moles and voles - Certificate: MW (Mole & vole extermination)
- Rodent control at agricultural companies - Certificate: KBA (Rodent control agricultural companies)
- Applying crop protection - Certificate: Crop protection A
- Managing crop protection - Certificate: Crop protection A + Crop protection B
- Distributing and storing crop protecting substances - Certificate: Crop protection C

*** Explanatory note**

This document is designed to provide additional information about the specified certificate and does not have any legal status in itself. The format of the description is based on the following texts: Council Resolution 93/C 49/01 of 3 December 1992 on the transparency of qualifications, Council Resolution 96/C 224/04 of 15 July 1996 on the transparency of vocational training certificates, and Recommendation 2001/613/EC of the European Parliament and of the Council of 10 July 2001 on mobility within the Community for students, persons undergoing training, volunteers, teachers and trainers.

More information is available at: <http://www.europass.cedefop.europa.eu/>

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4. RANGE OF OCCUPATIONS ACCESSIBLE TO THE HOLDER OF THE CERTIFICATE

It is possible for the Cultivation and green technology expert to achieve these certificates within the education.

5. OFFICIAL BASIS OF THE CERTIFICATE

Name and status of the body awarding the certificate The certificate issued on completion of the programme is signed by the examination board at the school where the pupil attended the programme.	Name and status of the national/regional authority providing accreditation/recognition of the certificate Ministry of Education, Culture and Science
Level of the certificate (national or international) Qualification level 4 of the Dutch VET qualification structure Characteristics: non-job related skills such as tactical and strategic capacities. The professional bears his or her own responsibility, which is not only related to practical implementation in terms of monitoring and supervision, but also a more formal, organisational responsibility. The range of tasks also includes drafting new procedures. NLQF-niveau 4 - EQF level 4 - ISCED 3A	Grading scale / Pass requirements 10 excellent 9 very good 8 good 7 very satisfactory 6 pass 5 fail 4 unsatisfactory 3 very unsatisfactory 2 poor 1 very poor
Access to next level of education/professions The Cultivation and green technology expert can develop through a higher professional education such as Horticulture/ arable farming, Environmental Science or Applied biology.	International agreements Cultivation and green technology expert is not a regulated profession in the Netherlands. However, the education and training for this profession on qualification level 4 is regulated under the European directive 2005/36/EC, amended by directive 2013/55/EU. The regulated education and training gives access to regulated professions at the level of a diploma according to article 11 of this directive.
Legal basis Act on Vocational Education and Training (WEB), registered number of qualification (crebo): 25534 The education and training for this qualification is offered as of 01-08-2016.	

6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE

Senior secondary vocational education features two learning pathways: the school-based pathway (bol) and the training on the job pathway (bbi).

In the school-based pathway, the majority of the course consists of theory at school. The extent of the practical component (vocational practice) is between 20% and 60%. In the training on the job pathway, the extent of vocational practice is at least 60% of the course. The participant works four days a week in a training company, and attends school for theory subjects just one day a week.

In principle it is possible to follow both learning pathways, but which pathway is offered will depend on the individual educational institution.

Average duration of the education/ training leading to the certificate	3 years (4800 study hours) (depending on previous education)
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Entry requirements

The certificate preparatory vocational secondary education (vmbo) advanced vocational programme, combined programme, or theoretical programme, or a comparable level.

7. ADDITIONAL INFORMATION

Dutch senior secondary VET is based on qualification files, that each contain one or more qualifications. The information included in part 3 and 4 is derived directly from the qualification file determined by the Minister of Education, Culture and Science. The complete qualification file can be found at kwalificaties.s-bb.nl, only in Dutch.

7. ADDITIONAL INFORMATION

Optional subjects are linked to the qualification. The optional subjects have a total size of 15% of the course duration. The optional subjects completed by the student are listed on the certificate.

Additional information, including a description of the Dutch national qualifications system, is available at the Netherlands National Reference Point (NRP): www.s-bb.nl. The NRP is the information centre for vocational qualifications in the Netherlands. SBB has been appointed in this capacity by the Ministry of Education, Culture and Science.