

Academic year 2019/2020.
Fall semester

RECOMMENDATIONS FOR PREPARING THE PLANT MORPHOLOGICAL COLLECTION

for bachelor students (BSc) in Horticultural engineering

The plant morphological collection is intended to help the theoretical and practical knowledge of students. Morphological collection should contain examples of different plant organs, altogether 50-specimens in the following ratio: 20 vegetative, 20 generative organs and 10 one-year old woody stem (fully ripened) from different woody species. In our list, we included examples as recommendations, but other samples can be also used. Along with the practical courses, the lecture note entitled "Plant list and introductory knowledge in botany for bachelor students (BSc) of Faculty of Horticultural Science" can be helpful in preparing the collection.

Within the collection, several different organs of a plant species can be used, but the same organ of different species are not accepted (e.g. the taproot of carrot can be used, but the similar taproot of parsley not, as represents the same organ type, and so on).

The collected material must be mounted on an A3 drawing sheet (wood-free or half wood-free) with landscape orientation (horizontal). The name of the student should be placed in the upper right corner of the sheet. Length or cross-sections (or both) can be made from thick organs. 3-4 mm thick slice can be made and placed between cellophane sheets (foil) and pressed between newspapers. Newspaper should be replaced daily until the slice is completely dry.

Organs should be placed thematically: on one page, preferably with one type of organs. For smaller groups, one sheet can accommodate multiple types of organs. The organs must be numbered, and the name of the organ and the belonging plant (both Latin and Hungarian names of the plant) and its family must be placed in a table in the lower right corner of the sheet.

It is recommended to compile the morphological collection with several different types of plant organs within the given proportions for the successful study.

Teachers will provide further information on the preparation, composition and attachment of the plant organs collected for the morphological collection. Sample collections placed on the corridor can also provide information linked to preparation.

Take the time to prepare the morphological collection.

We wish you good work!

Budapest, 12th July 2019.

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