Vegetative Propagation Protocol Form for Cuttings

BGCI | Propagation Protocol Forms 2024

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| **VEGETATIVE PROPAGATION PROTOCOL: CUTTINGS**  |

**This form collates the information about the best method for the propagation of cuttings and growing up of the target species.**

Authorship *(people that contributed propagation information)*:

Date of publication:

*Logo/s of the affiliated organisation(s):*

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| **GENERAL INFORMATION** |
| **Taxon name** | *Scientific name of the propagated species* |  | **Name/s of propagator/s** | *Name(s) of the person or people that carried out the propagation* |  |
| **Family** | *Plant family of the propagated species* |  | **Organisation** | *Organisation(s) where the propagation was carried out* |  |
| **Origin of vegetative material** | *Site(s) and country where vegetative material was collected* |  | **Locality and country** | *Site(s) and country where the propagation took place* |  |

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|  **ROOTING OF CUTTINGS** |
| **Description of procedures, materials and success of rooting of cuttings.**  |
| **Procedures** | **Transport of cuttings** | *Describe how cuttings have been stored during transport from the field to the nursery* |  |
| **Vegetative material used for rooting** | *Describe the type of cutting material (e.g. softwood, semi-hard wood, hardwood, root, leaf...)* |  |
| **Cutting size** | *Specify the size of cutting (length, diameter). Include a measuring unit (e.g. mm, cm…)* |  |
| **Cutting preparation** | *Describe the processing (e.g. sterilise…) and preparation of the cutting (e.g. reducing leaf surface, removal lower leaves…)* |  |
| **Rooting hormone** | *If used, type of rooting hormone (liquid, powder or gel), which active ingredients (IAA, NAA & IBA) and concentration* |  |
| **Rooting media** | *Media composition: include percentages/ratio for the different components* |  |
| **Container** | *Describe size and material of the container in which cuttings are placed* |  |
| **Cutting spacing** | *Recommended spacing between cuttings or number of cuttings included in each container* |  |
| **Watering technique** | *Describe watering tool, technique and frequency during rooting* |  |
| **Rooting facilities** | *Describe the facilities where the rooting of cuttings took place (e.g. close case, misting unit, outdoor shaded area, heated bench, covered/bagged container...)* |  |
| **Environmental conditions** | *Describe the environmental conditions where rooting took place (temperature, humidity, light levels)* |  |
| **Success** | **Time of year for rooting** | *List month/s of the year when rooting is best* |  |
| **Duration until rooting** | *Average number of days/months/years until cuttings rooted* |  |
| **% Cuttings rooted** | *(Number of cuttings rooted) x 100 / (Total number of cuttings prepared)* |  |
| **Materials** | *List of materials for rooting to help with the planning of this activity. E.g. secateurs, pots, trays, labels…* |  |

* ***Add photographs of the rooting process. Make sure to include a detailed description of the photo, such as the growth stage, date, activity or process.***

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| **VEGETATIVE PROPAGATION PROTOCOL: CUTTINGS**  |

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| **FIRST POTTING** |
| **Description of procedures and materials for the cultivation of the plants and the success of the growing of the plants.** |
| **Procedures** | **Growing Media** | *Media composition: include percentages/ratio for the different components* |  |
| **Container** | *Describe size and material of the container in which plants are potted* |  |
| **Fertiliser** | *If used, include: type (organic or inorganic); nutrient composition and its ratio; and application (added to soil, dissolved on water, foliar application)* |  |
| **Watering technique** | *Describe watering tool, technique and frequency while growing the plants* |  |
| **Plant growing facilities** | *Describe the facilities where the plant growing took place (e.g. glasshouse, outdoors, shaded area...)* |  |
| **Environmental conditions** | *Describe the environmental conditions where the plant growing took place (temperature, humidity, light levels)* |  |
| **Success** | **Number of days until first potting** | *Average number of days since preparation of the cutting until first potting* |  |
| **Duration until established plants** | *Average number of days/month/years for which the plant growth was monitored until the establishment of plants* |  |
| **% Plants established**  | *(Number of plants established) x 100 / (Total number of plants potted)* |  |
| **Health observations** | *Record any signs of pest or disease, nutrient deficiency, damage… and the stage when they were observed (e.g. during rooting, growing of plants.…)* |  |
| **Materials** | *List material needed for potting to help with the planning of this activity. E.g. pots, dibbers, labels…* |  |
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* ***Add photographs of the potting process and the growing of plants. Make sure to include a detailed description of the photo, such as the growth stage, date, activity or process.***