# Seed Germination Experimental Trials Data Collection Form

| GENERAL INFORMATION | | | | | GERMINATION TRIALS | | | | | | | | | | | | Duration until germination | Germination success (%) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Taxon name | Collection Number/ Accession Number | Name/s of propagator/s | Trial number | ID number | Date of sowing | Number of seeds sown | Seed treatment | Duration of the treatment | Media type | Seed spacing | Seed depth | Container | Facilities | Environmental conditions | Watering technique | | | |
| *Scientific name of the species you are propagating* | *The unique identifier for the batch of seeds obtained from the same source at the same time. IMPORTANT: For trials, do not mix materials with different collection/accession number* | *Name(s) of the person or people that carried out the propagation* | *Each trial number is a different experiment. IMPORTANT: Include a 'control trial' where seeds would have no treatment applied to them.* | *Create a unique ID number: Unique to the species, accession number and trial number. IMPORTANT: Remember to label your experimental trials with the corresponding ID number* | *Date when the sowing is carried out* | *Number of seeds sown per trial. IMPORTANT: all trials must have the same number of seeds* | *Describe treatment applied to the seed before sowing (e.g. mechanical scarification, chemical scarification, soaking, stratification, smoke treatment…)* | *If applied, describe the duration of the specific treatment* | *Media composition: include percentages/ratio of the different components* | *Describe the spacing between the seeds when sown* | *Describe how deep the seeds are sown* | *Describe size and material* | *Describe the facilities where the germination of seeds took place (e.g. close case, outdoor shaded area, heated bench, covered/ bagged container...)* | *Describe the environmental conditions where germination took place (temperature, humidity, and photoperiod)* | *Describe watering tool, technique and frequency during sowing and germination* | *Average number of days/months/years until seeds germinated* | *Formula: Count final total number of germinated seeds alive x 100 / number of seeds sown* |
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| GERMINATION MONITORING | | | | |
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| ID number | Taxon name | Date | Number of succeses | Health observations |
| *Unique ID number: Unique to the species, accession number and trial number* | *Name of the species you are monitoring* | *Date when the monitoring is done* | *Count the number of germinated seeds since last Date (to aid the counting, place a tooth pick next to each germinated seed). IMPORTANT: The number is non-cumulative (count only the new seed germinated since your last monitoring date)* | *For each trial and along the whole propagation process, record signs of pest, disease, nutrient deficiency, damage... If you are not able to name the problem, make a clear description and help it with photos* |
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| ID number | Taxon name | Date | Number of succeses | Health observations |
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| FIRST POTTING | | | | | | | | | Duration until established plants | Plants established (%) |
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| ID number | Date of potting | Number of seedlings potted | Growing media | Container | Fertiliser | Plant growing facilities | Environmental conditions | Watering technique | | |
| *Unique ID number: Unique to the species, accession number and trial number. IMPORTANT: Remember to label your experimental trials with the corresponding ID number* | *Date when the first potting is done* | *Number of seedlings potted under the same conditions. IMPORTANT: Do not mix seedling from different trials when potting.* | *Media composition: include percentages/ratio of the different components* | *Describe size and material* | *If used, include: type (organic or inorganic); nutrient composition and its ratio; and application (added to soil, dissolved on water, foliar application)* | *Describe the facilities where the plant growing took place (e.g. glasshouse, outdoors, shaded area…)* | *Describe the environmental conditions where the plant growing took place (temperature, humidity, light levels)* | *Describe watering tool, technique and frequency while growing the plants* | *Average number of days/month/years for which the plant growth was monitored until the establishment of plants* | *Formula: Count final total number of plants established x 100 / number plants potted* |
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| PLANT GROWING MONITORING | | | | |
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| **ID number** | **Taxon name** | **Date** | **Number of successes** | **Health observations** |
| *Unique ID number: Unique to the species, accession number and trial number* | *Name of the species you are monitoring* | *Date when the monitoring is done* | *Count the number of established plants since last Date* | *For each trial and along the whole propagation process, record signs of pest, disease, nutrient deficiency, damage... If you are not able to name the problem, make a clear description and help it with photos* |
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| **ID number** | **Taxon name** | **Date** | **Number of successes** | **Health observations** |
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| *Unique ID number: Unique to the species, accession number and trial number* | *Name of the species you are monitoring* | *Date when the monitoring is done* | *Count the number of established plants since last Date* | *For each trial and along the whole propagation process, record signs of pest, disease, nutrient deficiency, damage... If you are not able to name the problem, make a clear description and help it with photos* |