

# Vegetative Propagation Protocol Form for Cuttings



# 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):

## GENERAL INFORMATION

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

## ROOTING OF CUTTINGS

### Description of procedures, materials and success of rooting of cuttings.

<b>Procedures</b>	<b>Transport of cuttings</b>	<i>Describe how cuttings have been stored during transport from the field to the nursery</i>	
	<b>Vegetative material used for rooting</b>	<i>Describe the type of cutting material (e.g. softwood, semi-hard wood, hardwood, root, leaf...)</i>	
	<b>Cutting size</b>	<i>Specify the size of cutting (length, diameter). Include a measuring unit (e.g. mm, cm...)</i>	
	<b>Cutting preparation</b>	<i>Describe the processing (e.g. sterilise...) and preparation of the cutting (e.g. reducing leaf surface, removal lower leaves...)</i>	
	<b>Rooting hormone</b>	<i>If used, type of rooting hormone (liquid, powder or gel), which active ingredients (IAA, NAA &amp; IBA) and concentration</i>	
	<b>Rooting media</b>	<i>Media composition: include percentages/ratio for the different components</i>	
	<b>Container</b>	<i>Describe size and material of the container in which cuttings are placed</i>	
	<b>Cutting spacing</b>	<i>Recommended spacing between cuttings or number of cuttings included in each container</i>	
	<b>Watering technique</b>	<i>Describe watering tool, technique and frequency during rooting</i>	
	<b>Rooting facilities</b>	<i>Describe the facilities where the rooting of cuttings took place (e.g. close case, misting unit, outdoor shaded area, heated bench, covered/bagged container...)</i>	
	<b>Environmental conditions</b>	<i>Describe the environmental conditions where rooting took place (temperature, humidity, light levels)</i>	
<b>Success</b>	<b>Time of year for rooting</b>	<i>List month/s of the year when rooting is best</i>	

	<b>Duration until rooting</b>	<i>Average number of days/months/years until cuttings rooted</i>	
	<b>% Cuttings rooted</b>	<i>(Number of cuttings rooted) x 100 / (Total number of cuttings prepared)</i>	
<b>Materials</b>	<i>List of materials for rooting to help with the planning of this activity. E.g. secateurs, pots, trays, labels...</i>		

- + **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.**

## VEGETATIVE PROPAGATION PROTOCOL: CUTTINGS

### FIRST POTTING

Description of procedures and materials for the cultivation of the plants and the success of the growing of the plants.

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

- + **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.**