Air Layering Experimental Trials Data Collection Form



GENERAL INFORMATION				AIR LAYERING TRIALS												
	Collection Number/	Name/s of			Date of	Number of									Duration	Propagati on
Taxon	Accession	propagator	Trial		propagati	attempted	Position of	Cut to the	Rooting	Rooting	Wrapping	Moisture	Type of	Environment	until	success
name	Number	/s	number	ID number	on	rooting	air layering	stem	hormone	Media	technique	maintenance	environment	al conditions	rooting	(%)
Scientific name of the species you are propagating	The unique identifier for the mother plant in which the air layering takes place.	Name(s) of the person or people that carried out the propagation	Each trial number is a different experiment. IMPORTANT: Include a 'control trial' when possible.	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 air layering is carried out	Number of air layering attempts using the same technique. IMPORTANT: all trials must have same number of air layering attempts	Location of the air layering in relation to buds, and describe the maturity of the stem (soft wood, semi-hard wood, hard wood)	Describe the cut made to the stem (e.g. cutting a ring of the bark, upward slanted- cut)	lf used, type of rooting hormone (liquid, powder or gel), which active ingredients (IAA, NAA & IBA) and concentration	Media composition: include percentages/rat io of the different components	Describe the wrapping of the rooting media and material used (e.g. air layering balls, plastic and foil)	Describe how to keep the media moist (e.g. adding water, hydrogel, changing the moss) and monitoring frequency	Describe the environment where air layering took place (e.g. glass house, outdoors, in situ)	Describe the environmental conditions where air layering took place (temperature, humidity)	Average number of days/month s/years until roots were visible in the air layering	Formula: Count final total number of rooted plants x 100 / number of air layering attempts using the same technique

AIR LAYERING MONITORING									
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 rooted air layered plants since the last Date. IMPORTANT: The number is non-cumulative (count only the new rooted air layered plants 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					

FIRST POTTING									Duration	
		Number of rooted plants				Plant growing	Environmental		until established	Plants established
ID number	Date of potting	potted	Growing media	Container	Fertiliser	facilities	conditions	Watering technique	plants	(%)
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 rooted plants potted under the same conditions. IMPORTANT: Do not mix plants 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/year s 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

PLANT GROWING MONITORING									
			Number of						
ID number	Taxon name	Date	successes	Health observations					
Unique ID number: Unique			Count the number of	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,					
to the species, accession number and trial number	Name of the species you are monitoring	Date when the monitoring is done	established plants since last	make a clear description and help it with photos					
	monitoring	intering is done	Dute	n white process					