

Paludicultural plants and utilisation options (selection)

	English name	Latin name	Most promising uses	Other uses
Uptake of cultivation very likely	Peat moss	<i>Sphagnum</i> spp.	<ul style="list-style-type: none"> • Founder material for restoration and Sphagnum farming • Orchid cultivation • Horticultural growing media replacing peat • substrates for carnivorous plants, for vivaria with amphibians, reptiles and spiders, • substrate for hanging baskets, wreathes and vegetation walls 	<ul style="list-style-type: none"> • Insulation and packaging material • Food preservation • Medical dressings, diapers, and sanitary towels • <i>Sphagnum</i> extracts as source of natural sunscreen
	Sundew	<i>Drosera rotundifolia</i>	<ul style="list-style-type: none"> • Medicinal uses 	<ul style="list-style-type: none"> • Vegetarian rennet for cheese making
	Cattail, Bulrush	<i>Typha angustifolia</i> , <i>Typha latifolia</i>	<ul style="list-style-type: none"> • Insulation material • Filling material (seed hairs) • Construction material • Packaging and disposable tableware • Horticultural growing media replacing peat • Fodder • Pollen for feeding predatory mites (pest control in glasshouses) 	<ul style="list-style-type: none"> • Combustion • Biogas • Extraction of proteins
	Reed	<i>Phragmites australis</i>	<ul style="list-style-type: none"> • Thatching material • Insulation material • Construction material • Packaging and disposable tableware • Fodder • Combustion 	<ul style="list-style-type: none"> • Paper • Biogas • Liquid fuels • Extraction of proteins • Silicon from reed leaves for high-performance energy storage devices
	Giant cane	<i>Arundo donax</i>	<ul style="list-style-type: none"> • Combustion 	<ul style="list-style-type: none"> • Biogas
	Reed Manna Grass	<i>Glyceria maxima</i>	<ul style="list-style-type: none"> • Fodder 	<ul style="list-style-type: none"> • Biogas • Extraction of proteins
	Reed canary grass	<i>Phalaris arundinacea</i>	<ul style="list-style-type: none"> • Packaging and disposable tableware • Panels • Fodder • Bedding • Combustion 	<ul style="list-style-type: none"> • Paper • Biogas • Liquid fuels • Extraction of proteins
	Sedges	<i>Carex</i> spp.	<ul style="list-style-type: none"> • Packaging and disposable tableware • Panels 	<ul style="list-style-type: none"> • Paper • Biogas

			<ul style="list-style-type: none"> • Fodder • Bedding • Combustion 	<ul style="list-style-type: none"> • Liquid fuels • Extraction of proteins
	Alder	<i>Alnus glutinosa</i>	<ul style="list-style-type: none"> • Timber for carpentry, interior fittings, furniture • Veneer • Combustion 	
	Willow	<i>Salix</i> spp.	<ul style="list-style-type: none"> • Fodder • Weaving material (e.g. baskets) 	
	Bog Myrtle	<i>Myrica gale</i>	<ul style="list-style-type: none"> • insect repellent • flavour (e.g. beer) • medicinal uses, cosmetics 	
	Cranberry	<i>Vaccinium oxycoccos</i>	<ul style="list-style-type: none"> • Food (e.g. berries, juice) 	
	Black Chokeberry	<i>Aronia melanocarpa</i>	<ul style="list-style-type: none"> • Food (e.g. berries, juice) 	Medicinal uses
Further promising plants for paludiculture	Wild rice	<i>Zizania aquatica</i> , <i>Z. palustris</i>	Cereal	
	Japanese Millet	<i>Echinochloa esculenta</i>	<ul style="list-style-type: none"> • Food • fodder 	
	Celery	<i>Apium graveolens</i>	Vegetable	
	Water Pepper	<i>Persicaria hydropiper</i>	Spicy leaf vegetable	
	Holy Grass	<i>Hierochloe odorata</i>	Flavour (e. g. for drinks)	
	Calamus	<i>Acorus calamus</i>	Flavour (e.g. for drinks), cosmetics	
	Water mint	<i>Mentha aquatica</i>	<ul style="list-style-type: none"> • Flavour, tea • Perfumery 	
	<ul style="list-style-type: none"> • Cloudberry • Blueberry 	<ul style="list-style-type: none"> • <i>Rubus chamaemorus</i> • <i>Vaccinium myrtillus</i> 	<ul style="list-style-type: none"> • Food (e.g. jam, juice) 	
	<ul style="list-style-type: none"> • Bogbean, buckbean • Meadowsweet • Valerian • Butterbur • Garden Angelica • Alder Buckthorn • Gypsywort • Water Dropwort 	<ul style="list-style-type: none"> • <i>Menyanthes trifoliata</i> • <i>Filipendula ulmaria</i> • <i>Valeriana officinale</i> • <i>Petasites hybridus</i> • <i>Angelica archangelica</i> • <i>Frangula alnus</i> • <i>Lycopus europaeus</i> • <i>Oenanthe aquatica</i> 	<ul style="list-style-type: none"> • Medicinal plants (e.g. pharmaceuticals, cosmetics) 	
	Duckweed fern	<i>Azolla filiculoides</i>	<ul style="list-style-type: none"> • Fodder • Fertiliser (N-fixation) 	<ul style="list-style-type: none"> • Food • Protein extraction
	Duckweed	<i>Lemna</i> spp.	<ul style="list-style-type: none"> • Fodder 	<ul style="list-style-type: none"> • Protein extraction