

/@title	/entry/@description	/entry/@id	/entry/@name	PlantHistoryCat1	PlantHistoryCat2	/entry/@term	/entry@wikidata	/link@wikidata	/wikilDconfidence	/desc@wikidata	/entry@wikipedia	link@wikipedia	/desc@wikipedia	/confidence	Notes	
▼ Growth Conditions																
process		DAVE.PlantMaterialHistory.26		Growth Conditions	Light	full sunlight			-					-		
process	height in relation to a certain reference point; (general) distance measurement, usually in the vertical or "up" direction, between a reference datum and a point or object. The reference datum also often varies according to the context	DAVE.PlantMaterialHistory.2		Growth Conditions	Location	altitude	Q192020		HIGH		altitude			-	Do I delete this row or transfer it to another dictionary?	
process		DAVE.PlantMaterialHistory.38		Growth Conditions	Propagation Method	micropaginated	Q1934105		HIGH					-	synonyms - distinguish DAVE id - Should we distinguish other propagation methods? https://en.wikipedia.org/wiki/Plant_propagation https://en.wikipedia.org/wiki/Micropagation https://en.wikipedia.org/wiki/Plant_tissue_culture	
process		DAVE.PlantMaterialHistory.38		Growth Conditions	Propagation Method	micropagination	Q1934105		HIGH					-	synonyms - distinguish DAVE id	
process	one of the Earth's four temperate seasons, occurring between autumn and spring	DAVE.PlantMaterialHistory.73		Growth Conditions	Season	winter	Q1311		HIGH	one of the Earth's four temperate seasons, occurring between autumn and spring	winter			-		
process	water source	DAVE.PlantMaterialHistory.57		Growth Conditions	Season	spring	Q1312		HIGH	one of the Earth's four temperate seasons, occurring between summer and winter	spring			-		
process	one of the Earth's four temperate seasons, occurring between spring and autumn	DAVE.PlantMaterialHistory.59		Growth Conditions	Season	summer	Q1313		HIGH	one of the Earth's four temperate seasons, occurring between summer and autumn	summer			-		
process	one of the Earth's four temperate seasons, occurring between summer and winter	DAVE.PlantMaterialHistory.4		Growth Conditions	Season	autumn	Q1314		HIGH	one of the Earth's four temperate seasons, occurring between summer and winter	autumn			-		
process	yearly period of low rainfall, especially in the tropics	DAVE.PlantMaterialHistory.15		Growth Conditions	Season	dry season	Q146575		HIGH	yearly period of low rainfall, especially in the tropics	dry season			-		
process		DAVE.PlantMaterialHistory.48		Growth Conditions	Season	rainy season	Q3117517		HIGH	yearly period of high rainfall, especially in the tropics	rainy season			-		
process	yearly period of high rainfall, especially in the tropics	DAVE.PlantMaterialHistory.71		Growth Conditions	Season	wet season	Q3117517		HIGH	yearly period of high rainfall, especially in the tropics	wet season			-		
process	DAVE.PlantMaterialHistory.43		Growth Conditions	Season	planting time				-					-		
process	DAVE.PlantMaterialHistory.52		Growth Conditions	Season	seasonal change				-					-		
process	DAVE.PlantMaterialHistory.14		Growth Condition	Stress Type	drought stress	Q12142810	https://www.wikidata.org/wiki/Q12142810	MED	Links to Drought Tolerance	drought stress				-		
process	DAVE.PlantMaterialHistory.51		Growth Conditions	Stress Type	salinity stress				-					-		
process	DAVE.PlantMaterialHistory.64		Growth Conditions	Temperature	temperature	O11466		HIGH							Where terms like these cannot be linked to wikidata, do we tag them differently or treat them as "semantic" phrases?	
process	DAVE.PlantMaterialHistory.64		Growth Conditions	Temperature	temperature variation				-					-	Where terms like these cannot be linked to wikidata, do we tag them differently or treat them as "semantic" phrases?	
process	DAVE.PlantMaterialHistory.33		Growth Conditions	Water	irrigation with fresh water				-					-		
process	DAVE.PlantMaterialHistory.32		Growth Conditions		incubated				-					-	Do I category "incubated" as temperature? Or is it temperature + tim? or ...?	
▼ Post-Harvest Treatment																
process	wood which has been dried in a kiln or oven	DAVE.PlantMaterialHistory.42		Post-Harvest Treatment	Drying technique	oven-dried	Q56403287		MED	wood which has been dried in a kiln or oven	oven-dried	wood which has been dried in a kiln or oven		MED		
process		DAVE.PlantMaterialHistory.20		Post-Harvest Treatment	Drying technique	freeze-dried	Q723912		HIGH	freeze-dried				-		
process	state of extreme dryness, or the process of extreme drying	DAVE.PlantMaterialHistory.11		Post-Harvest Treatment	Drying technique	desiccated	Q903071		MED	state of extreme dryness, or the process of extreme drying	desiccated			-	synonyms - distinguish DAVE id	
process	state of extreme dryness, or the process of extreme drying	DAVE.PlantMaterialHistory.11		Post-Harvest Treatment	Drying technique	desiccation	Q903071		MED	state of extreme dryness, or the process of extreme drying	desiccation	state of extreme dryness, or the process of extreme drying		-	synonyms - distinguish DAVE id	
process	DAVE.PlantMaterialHistory.1		Post-Harvest Treatment	Drying technique	air-drying				-					-	Should we all the other drying methods listed in wikipedia? https://en.wikipedia.org/wiki/Drying	
process	DAVE.PlantMaterialHistory.40		Post-Harvest Treatment	Drying technique	microwave-dried				-					-		
process	DAVE.PlantMaterialHistory.53		Post-Harvest Treatment	Drying technique	shade-dried				-					-	Found here: https://www.researchgate.net/post/What_is_different_between_water_steam_distillation_and_steam_essential_oil_distillation . In steam distillation or hydrodistillation, elevated pressures is used with plants whose essential oils are difficult to extract at higher temperatures.	
process		DAVE.PlantMaterialHistory.31		Post-Harvest Treatment	EO extraction technique	hydrodistillation	Q1164392		LOW		hydrodistillation				-	In steam distillation, plant material is placed into a steam distillation chamber. Steam is forced into the chamber with it. As the essential oil interacts with the steam, the steam flows into the chilled condenser chamber, turning back into a liquid, providing the essential oil. Hydro distillation with Clevenger trap is used for the extraction of volatile oils from oil and steam distillation is used in Indirect for the isolation of volatile. The advantage of steam distillation is that the plant material can be recovered after oil extraction for solvent extraction for the isolation of other non volatile components. The advantage of hydro distillation is that plant material is continuously boiled and not possible to recover. For large scale distillation handling of water is also not convenient. Recovery of oil is higher in hydro distillation compared to steam distillation.
process	DAVE.PlantMaterialHistory.58		Post-Harvest Treatment	EO extraction technique	steam distillation	Q1164392			-	steam distillation		https://en.wikipedia.org/wiki/Steam_distillation		-		
process	DAVE.PlantMaterialHistory.69		Post-Harvest Treatment	EO extraction technique	water distillation	Q274959		LOW		water distillation		https://www.wikidata.org/wiki/Q42687459		-		
process	DAVE.PlantMaterialHistory.29		Post-Harvest Treatment	EO extraction technique	headspace solvent microextraction	Q3844354		MED						-		
process	DAVE.PlantMaterialHistory.62		Post-Harvest Treatment	EO extraction technique	supercritical fluid extraction	Q4410204		HIGH						-		
process	DAVE.PlantMaterialHistory.28		Post-Harvest Treatment	EO extraction technique	headspace solid phase microextraction	Q58832405		MED					More info	-	Peter, which of these, if any, would be the right WikID? How can I decide which one is better? What is the best, what data will be the minimum required to make it worth updating to wikidata? If we do upload, where will get get that new ID, and how do we feed it back into our Dictionary?	
process	DAVE.PlantMaterialHistory.36		Post-Harvest Treatment	EO extraction technique	micro-steam distillation	Q71541573	https://www.wikidata.org/wiki/Q71541573	MED						-		
process	DAVE.PlantMaterialHistory.37		Post-Harvest Treatment	EO extraction technique	microdistillation	Q71541573	https://www.wikidata.org/wiki/Q71541573	MED						-		
process	method to separate compounds based on their relative solubilities in two different immiscible liquids, usually water and an organic solvent; extraction of a substance from one liquid into another liquid phase	DAVE.PlantMaterialHistory.55		Post-Harvest Treatment	EO extraction technique	solvent extraction	Q866399		LOW		solvent extraction				-	Is this an extraction technique, or does the "solvent" make it an extraction component?
process	solid phase extraction sampling technique that involves the use of a fiber coated with an extracting phase, that can be a liquid or a solid, which extracts different kinds of analytes from different kinds of media, that can be in liquid or gas phase	DAVE.PlantMaterialHistory.54		Post-Harvest Treatment	EO extraction technique	solid-phase microextraction	Q903970		HIGH		solid-phase microextraction				-	
process	DAVE.PlantMaterialHistory.8		Post-Harvest Treatment	EO extraction technique	cold pressed				-					-		
process	DAVE.PlantMaterialHistory.16		Post-Harvest Treatment	EO extraction technique	extraction technique				-					-		
process		DAVE.PlantMaterialHistory.30		Post-Harvest Treatment	EO extraction technique	hexane extract										
process		DAVE.PlantMaterialHistory.39		Post-Harvest Treatment	EO extraction technique	microwave distillation							https://www.wikidata.org/wiki/Q42687459	-		
process		DAVE.PlantMaterialHistory.60		Post-Harvest Treatment	EO extraction technique	supercritical co2								-		
process		DAVE.PlantMaterialHistory.61		Post-Harvest Treatment	EO extraction technique	supercritical extraction								-		
process	DAVE.PlantMaterialHistory.63		Post-Harvest Treatment	EO extraction technique	superheated water extraction				-					-		
process	DAVE.PlantMaterialHistory.13		Plant Material		dried				-					-		
process	DAVE.PlantMaterialHistory.45		Post-Harvest Treatment	Plant Material	powdered				-					-		
process	DAVE.PlantMaterialHistory.49		Post-Harvest Treatment		re-hydration	Q5635737	https://www.wikidata.org/wiki/Q5635737	-						-		
▼ Plant Material Selection																
process	DAVE.PlantMaterialHistory.10		Plant Material Selection	Breed	cultivated breeds	Q788558		HIGH						-		
process	DAVE.PlantMaterialHistory.56		Plant Material Selection	Breed	species comparison				-					-		
process	DAVE.PlantMaterialHistory.66		variety comparison	Plant Material Selection	Breed	variety comparison								-		
process	DAVE.PlantMaterialHistory.72		Plant Material Selection	Breed	wild breed				-					-		
process	DAVE.PlantMaterialHistory.41		Plant Material Selection	Other	non-fruiting trees				-					-		
process	DAVE.PlantMaterialHistory.21		Plant Material Selection	Plant Material	fresh plant				-					-		
process	DAVE.PlantMaterialHistory.17		Plant Material Selection	Sex	female plant	Q43445		HIGH						-		
process	DAVE.PlantMaterialHistory.35		Plant Material Selection	Sex	male plant	Q44148		HIGH						-		
▼ Plant Material Product																
process	DAVE.PlantMaterialHistory.65		vacuum distilled oil	Plant Material Product	Plant Extract	vacuum distilled oil	Q1648382		HIGH					-		
process	DAVE.PlantMaterialHistory.9		Plant Material Product	Plant Extract	conventionally distilled oil				-					-	Is this an EO extraction technique or a plant extract?	
process	DAVE.PlantMaterialHistory.50		Plant Material Product	Plant Extract	residual oil				-</td							