process pro	ion	/entry/@id	/entry/@name	PlantHistoryCat1	PlantHistoryCat2	/entry/@term	/entry/@wikidata	a /link/@wikidata	/wikilDconfidence	e /desc/@wikidata	/entry/@wikipedia	link/@wikipedia	/desc/@wikipedia	/ confidenc	Notes
process proces	o a certain reference point; (general) distance measurement, ical or "up" direction, between a reference datum and a point or	DAVE.PlantMaterialHistory.26 DAVE.PlantMaterialHistory.2		Growth Conditions Growth Conditions	Light Location	full sunlight altitude	Q190200		- HIGH		altitude		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	- n, ₋	Do I delete this row or transfer it to another dictionary?
process proces	nce datum also often varies according to the context	DAVE.PlantMaterialHistory.38		Growth Conditions	Propagation Method	micropropagated	Q1934105		HIGH				the propagation of plants by growing plantlets in tissue culture and then planting them out.	-	synonyms - distinguish DAVE id - Should we distinguish other propagation methods? (https://en.wikipedia.org/wiki/ Plant_propagation) (https://en.wikipedia.org/wiki/ Micropropagation) (https://en.wikipedia.org/wiki/
process pro		DAVE.PlantMaterialHistory.38		Growth Conditions	Propagation Method	micropropagation	Q1934105		HIGH				the propagation of plants by growing plantlets in tissue culture and then planting them out.	-	Plant tissue culture) synonyms - distinguish DAVE id
process one of the Earth's four for process one of the Earth's four for process on proce	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 proces		DAVE.PlantMaterialHistory.57		Growth Conditions	Season	spring	Q1312		HIGH	one of the Earth's four temperate seasons, occurring between winter and summer	spring			-	
process proces	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 spring and autumn	summer			-	
process proces	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 proces	w 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 proces		DAVE.PlantMaterialHistory.48		Growth Conditions	Season	rainy season	Q3117517		HIGH	yearly period of high rainfall, especially in the tropics yearly period of high				-	
process proces		DAVE.PlantMaterialHistory.71 DAVE.PlantMaterialHistory.43 DAVE.PlantMaterialHistory.52		Growth Conditions Growth Conditions Growth Conditions	Season Season	wet season planting time seasonal change	Q3117517		HIGH -	rainfall, especially in the tropics	wet season			-	
process proces		DAVE.PlantMaterialHistory.14		Growth Conditions	Stress Type	drought stress	Q12142810	https:// www.wikidata.org/ wiki/Q12142810	MED	Links to Drought Tollerance	drought stress			-	
process proces		DAVE.PlantMaterialHistory.51 DAVE.PlantMaterialHistory.64		Growth Conditions Growth Conditions	Stress Type Temperature	salinity stress temperature	Q11466		HIGH				The physical property of matter that quantitatively expresse the common notions of hot and cold	es ₋	Where terms like these cannot be linked to wikidata, do we tag them differently or treat them as "semantic" phrases? Where terms like these cannot be linked to wikidata, do we tag
Process proces		DAVE.PlantMaterialHistory.64 DAVE.PlantMaterialHistory.33 DAVE.PlantMaterialHistory.32		Growth Conditions Growth Conditions	Temperature Water	irrigation with fresh water			-					-	them differently or treat them as "semantic" phrases? Do I category "icubated" as temperature? Or is it temperature -
process pro	een 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	tim? or?
process proces		DAVE.PlantMaterialHistory.20 DAVE.PlantMaterialHistory.11		Post-Harvest Treatment	Drying technique	freeze-dried desiccated	Q723912 Q903071		HIGH	state of extreme dryness, or the	freeze-dried desiccated			-	ovnonymo diatinguiah DAVE id
process proces				Post-Harvest Treatment						process of extreme drying state of extreme dryness, or the				-	synonyms - distinguish DAVE id
process pro	Iryness, or the process of extreme drying	DAVE.PlantMaterialHistory.11 DAVE.PlantMaterialHistory.1		Post-Harvest Treatment Post-Harvest Treatment	Drying technique Drying technique	desiccation air-drying	Q903071		MED -	process of extreme drying	desiccation		state of extreme dryness, or the process of extreme drying	-	synonyms - distinguish DAVE id Should we all the other drying methods listed in wikipedia? https://en.wikipedia.org/wiki/Drying
process process process process process process process process		DAVE.PlantMaterialHistory.40 DAVE.PlantMaterialHistory.53		Post-Harvest Treatment Post-Harvest Treatment	Drying technique Drying technique	microwave-dried shade-dried			-					-	Found here: https://www.researchgate.net/post/
process process process process process process process process															What is different between water steam distillation and steam distillation system. In water distillation or hydrodistillation, elevated pressures is used with plants whose essential oils are difficult to extract at higher temperatures.
process process process process process process process process															In steam distillation, plant material is placed into a steam distillation chamber. Steam is forced into the chamber with it. A the essential oil interacts with the steam, the steam flows into the
process process process process process process process process		DAVE.PlantMaterialHistory.31		Post-Harvest Treatment	EO extraction technique	hydrodistillation	Q1164392		LOW		hydrodistillation			-	chilled condensed chamber, turning back into a liquid, providing the essential oil. Hydro distillation with Clevenger trap is used for the extraction volatile oil(essential oil) and steam distillation is used in
process process process process process process process process															Industries for the isolation of volatile oil. The advantage of stead distillation is that the plant material can be recovered after oil extraction for solvent extraction for the isolation of other non volatile compounds whereas in hydrodistillation the plant material continuously belief and not possible to recover. For large
process process process process process process process process															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 process process process method to separate compination between the compination and the comparate compination and the comparate compination and the compina		DAVE.PlantMaterialHistory.58 DAVE.PlantMaterialHistory.69		Post-Harvest Treatment Post-Harvest Treatment	·	steam distillation water distillation	Q1164392 Q274959		LOW		steam distillation water distillation	https://en.wikipedia.org/ wiki/Steam_distillation https://www.wikidata.org/ wiki/Q42687459	water that has had many of its impurities removed through distillation	-	
process pro		DAVE.PlantMaterialHistory.29 DAVE.PlantMaterialHistory.62		Post-Harvest Treatment Post-Harvest Treatment	·	headspace solvent microextraction supercritical fluid extraction	Q43844354 Q4410204		MED HIGH					-	Peter, which of these, if any, would be the right WikiID? How ca
process process method to separate comp immiscible liquids, usually from one liquid into anothe process process process process process process process Plant Material Selection process pro		DAVE.PlantMaterialHistory.28		Post-Harvest Treatment	EO extraction technique	headspace solid phase microextraction	Q58832405		MED				More info	-	I decide with confidence? Where WikiIDs don't exist, what data will be the minimum required to make it worth uploading to wikidata? If we do upload, when/where will get get that new ID, and how do we feed it back into our Dictionary?
process method to separate comp immiscible liquids, usually from one liquid into another with an extracting phase, kinds of analytes from diff process process proce		DAVE.PlantMaterialHistory.36		Post-Harvest Treatment	EO extraction technique	micro-steam distillation	Q71541573	https:// www.wikidata.org/ wiki/Q71541573 https://	MED					-	
process proces	te compounds based on their relative solubilities in two different	DAVE.PlantMaterialHistory.37		Post-Harvest Treatment	EO extraction technique	microdistillation	Q71541573	www.wikidata.org/ wiki/Q71541573	MED				method to separate compounds based on their relative	-	Is this an outraction technique or does the "solvent" make it on
process process proc		DAVE.PlantMaterialHistory.55		Post-Harvest Treatment	EO extraction technique	solvent extraction	Q866399		LOW		solvent extraction		solubilities in two different immiscible liquids, usually water and an organic solvent; extraction of a substance from one liquid into another liquid phase solid phase extraction sampling technique that involves the	-	Is this an extraction technique, or does the "solvent" make it an extraction component?
process pro	from different kinds of media, that can be in liquid or gas phase	DAVE.PlantMaterialHistory.54		Post-Harvest Treatment	·	solid-phase microextraction	Q903970		HIGH		solid-phase microextraction	on	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	a -	
process pro		DAVE.PlantMaterialHistory.8 DAVE.PlantMaterialHistory.16		Post-Harvest Treatment Post-Harvest Treatment	·	cold pressed extraction technique		https:// www.wikidata.org/	-					-	
process pro		DAVE.PlantMaterialHistory.30		Post-Harvest Treatment	EO ovtraction technique	hexane extract		w/index.php? sort=relevance&se arch=hexane+extr action&title=Speci							
process pro		DAVE.I lantiviaterial listory.00		r ost-riaivest freatment	LO extraction technique	Hexaile extract		al:Search&profile= advanced&fulltext =1&advancedSear ch-	_						
process pro								current=%7B%7D &ns0=1&ns120=1 https:// www.wikidata.org/							
process process		DAVE.PlantMaterialHistory.39		Post-Harvest Treatment	EO extraction technique	microwave distillation		w/index.php? search=microwave %20distillation&titl e=Special%3ASea rch&fulltext=1&ns0	-			https://www.wikidata.org	<u>g/</u>	-	
process process								=1&ns120=1 https:// www.wikidata.org/							
process process process process Plant Material Selection process		DAVE.PlantMaterialHistory.60		Post-Harvest Treatment	EO extraction technique	supercritical co2		w/index.php? search=&search=s upercritical+co2+e xtraction&title=Spe cial%3ASearch&g	-					-	
process process process process Plant Material Selection process								o=Go&ns0=1&ns1 20=1 https://							
process process process process Plant Material Selection process								www.wikidata.org/ w/index.php? sort=relevance&se arch=supercritical+ extraction&title=Sp							
process process process process Plant Material Selection process		DAVE.PlantMaterialHistory.61		Post-Harvest Treatment	EO extraction technique	supercritical extraction		ecial:Search&profil e=advanced&fullte xt=1&advancedSe arch-	-					-	
process process Plant Material Selection process		DAVE PlantMaterialHistory.63		Post-Harvest Treatment	•	superheated water extraction		current=%7B%7D &ns0=1&ns120=1	-		dried			-	
Plant Material Selection process		DAVE.PlantMaterialHistory.13 DAVE.PlantMaterialHistory.45 DAVE.PlantMaterialHistory.49		Post-Harvest Treatment Post-Harvest Treatment Post-Harvest Treatment	Plant Material Plant Material	dried powdered re-hydration	Q56355737	https:// www.wikidata.org/			dried			-	
process		DAVE.PlantMaterialHistory.10		Plant Material Selection	Breed	cultivated breeds	Q788558	wiki/Q56355737	HIGH					-	
process process process process Plant Material Product process process process		DAVE.PlantMaterialHistory.72	variety comparision	Plant Material Selection Plant Material Selection Plant Material Selection	Breed Breed Other	species comparision variety comparision wild breed			- - -					-	
Plant Material Product process process process process		DAVE.PlantMaterialHistory.41 DAVE.PlantMaterialHistory.21 DAVE.PlantMaterialHistory.35		Plant Material Selection Plant Material Selection Plant Material Selection	Other Plant Material Sex	non-fruiting trees fresh plant female plant	Q43445 O44148		- HIGH		male plant			-	
process process process process Plant Life Stage process process process process process		DAVE.PlantMaterialHistory.35 DAVE.PlantMaterialHistory.65 DAVE PlantMaterialHistory.9	vacuum distilled oil	Plant Material Selection Plant Material Product Plant Material Product	Sex Plant Extract	vacuum distilled oil	Q44148 Q1648382		HIGH HIGH		male plant			-	Is this an EO extraction technique or a plant extract?
process Plant Life Stage process		DAVE.PlantMaterialHistory.9 DAVE.PlantMaterialHistory.50 DAVE.PlantMaterialHistory.68		Plant Material Product Plant Material Product Plant Material Product	Plant Extract Plant Extract Plant Extract	conventionally distilled oil residual oil volatile extract			- - -					-	Is this an EO extraction technique or a plant extract? I'm not sure how best to describe Plant Treatment, State, and Product
process process process process process process		DAVE.PlantMaterialHistory.70		Plant Material Product	Plant Extract	wax extract		https://	-					-	
process		DAVE.PlantMaterialHistory.23 DAVE.PlantMaterialHistory.27 DAVE.PlantMaterialHistory.67		Plant Life Stage Plant Life Stage		fruiting harvested	Q1364 Q213753 Q464666	www.wikidata.org/ wiki/Q1364	MED HIGH HIGH		fruiting		part of a flowering plant form of asexual reproduction in plants	-	
process		DAVE.PlantMaterialHistory.12 DAVE.PlantMaterialHistory.0		Plant Life Stage Plant Life Stage Plant Life Stage		vegetative developmental stage after flowering	Q48834911 Q593803		HIGH HIGH		vegetative developmental stage		form of asexual reproduction in plants structure found in some plants (division Magnoliophyta /	-	
process		DAVE.PlantMaterialHistory.19 DAVE.PlantMaterialHistory.5		Plant Life Stage Plant Life Stage		anthesis beginning of flowering	Q593803 Q593803		HIGH		flowering https://wikidiff.com/bloomflower	<u></u>	angiosperms) to support reproduction	-	This page exists in wikipedia, but it has no data in it.
process process process process process process	eproduction	DAVE.PlantMaterialHistory.19 DAVE.PlantMaterialHistory.34 DAVE.PlantMaterialHistory.7		Plant Life Stage Plant Life Stage Plant Life Stage		flowering late flowering budding	Q593803 Q593803 Q845312		HIGH HIGH HIGH		flowering		structure found in some plants (division Magnoliophyta / angiosperms) to support reproduction form of asexual reproduction	-	
process process process	,	DAVE.PlantMaterialHistory.18 DAVE.PlantMaterialHistory.25		Plant Life Stage Plant Life Stage		floral budding full budding	Q845312 Q845312		HIGH HIGH		https://wikidiff.com/bloom	<u> </u>	2. 2.22GGI TOPTOGUOTI	-	
process		DAVE.PlantMaterialHistory.6 DAVE.PlantMaterialHistory.24 DAVE.PlantMaterialHistory.47	pre-blooming	Plant Life Stage Plant Life Stage Plant Life Stage		full bloom pre-blooming	Q885360 Q885360 Q885360		HIGH HIGH		nttps://wikidiπ.com/bloom flower		anthesis: the flowering period of a plant, from the opening of	- - of	This page exists in wikipedia, but it has no data in it.
process		DAVE.PlantMaterialHistory.47 DAVE.PlantMaterialHistory.22	Pro-piooiiiiIg	Plant Life Stage Plant Life Stage		pre-blooming fruit set	QU0030U		-				the flower bud Fruit set is the process in which flowers become fruit and potential fruit size is determined. It occurs after pollen is released from male flower parts (anthers), lands on	-	
process		DAVE.PlantMaterialHistory.44		Plant Life Stage		post anthesis	Q593803		HIGH				receptive female flower parts (stigmas), produces a tube the grows to the ovules, and fertilizes eggs contained in them.	-	
		DAVE.PlantMaterialHistory.46		Plant Life Stage Plant Life Stage Plant Life Stage		pre anthesis seed stage germination stage	Q593803 Q40763 Q193838		HIGH HIGH HIGH				anthesis: the flowering period of a plant, from the opening of the flower bud		
' (blank)				Plant Life Stage Plant Life Stage		growth stage pollination	Q1342838 Q134624		HIGH					-	
process		DAVE.PlantMaterialHistory.3				autolysis products	Q787099	https:// www.wikidata.org/	MED	A programmed cell death process observed in bacteria and filamentous fungi			In the food industry, autolysis involves killing yeast and encouraging breakdown of its cells by various enzymes. The resulting autolyzed yeast is used as a flavoring or flavor	-	
/dictionary								www.wikidata.org/ wiki/Q787099	0	and liamentous fungi and leading to spontaneous death by lysis.			enhancer. For yeast extract, when this process is triggered by the addition of salt, it is known as plasmolysis		