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الجمهورية اللبنانية
وزارة الزراعة
مصلحة الأبحاث العلمية الزراعية

Conservation Guideline

FOR Medicinal AND Aromatic Plants (MAPs) In Lebanon

Categorized list of the most important wild medicinal and aromatic plants (MAPs) in Lebanon

Mainstreaming Biodiversity Management into Medicinal and Aromatic Plants (MAPs) Production Processes Project in Lebanon

1

CATEGORIZED LIST OF THE MOST IMPORTANT WILD MEDICINAL AND AROMATIC PLANTS (MAPS) IN LEBANON

GEF-UNDP-LARI, 2013. **Categorized list of the most important wild medicinal and aromatic plants (MAPs) in Lebanon.** Mainstreaming Biodiversity Management into Medicinal and Aromatic Plants (MAPs) Production Processes in Lebanon Project. Funded by the Global Environment Facility, implemented by the United Nations Development Program (UNDP) and Lebanese Agricultural Research Institute (LARI), Beirut.

BACKGROUND

This technical document was produced within the framework of the project "Mainstreaming Biodiversity Management into Medicinal and Aromatic Plants (MAPs) Production Processes in Lebanon", funded by the Global Environment Facility, and executed by the Lebanese Agriculture Research Institute and the UNDP, in coordination and cooperation with the Lebanese Ministry of Agriculture. The project objective was to integrate conservation objectives into gathering, processing and marketing of globally significant medicinal and aromatic plants (MAP).

The project worked on both a macro level (national scale) and a micro level (pilot sites scale). On the national front the project actively sought to develop and strengthen the enabling environment for sustainable use of MAPs. The project identified regulatory gaps and constraints that had implications for sustainable utilization and value chain of MAP resources. Accordingly, several strategic interventions were implemented on the institutional framework. On the pilot site level, the project worked in four sites (Mejdel-Akkar, Assia-Batroun, Hsarat-Jbiel and Mrusti-Chouf). These four pilot sites were considered as experimental sites for developing sustainable harvesting standards, for developing and implementing value-added processing and product improvement, for MAP based product marketing and sales and for certification and branding. The pilot sites informed the regulative framework (through scientific findings with respect to sustainable harvest standards), informed MAP business development at the national level and they showcased how to increase the profitability of commercial MAP products.

The project focused on seven target MAP species: *Salvia fruticosa, Origanum syriacum, Origanum ehrenbergii, Althaea damascena, Cyclotrichium origanifolium, Viola libanotica* and Clinopodium libanoticum. The species were selected based on their endemism (regional or national), estimated volume of commercial trade (domestic and international), and perceived decline in wild-collected populations.

This document provides a preliminary categorization of 61 medicinal and aromatic plants indigenous to Lebanon that were assessed to be the most important in terms of use and marketability. The categorization was based on the risk of wild harvesting on the sustainability of each plant in the wild. The project used an existing matrix developed by the FairWild Foundation to evaluate the management requirements and rigor for species included in applications for certification according to the FairWild Standard criteria for sustainable wild collection. The risk analysis for sustainable wild harvesting as based on the following eleven criteria: (i) IUCN global threat category, (ii) national conservation status assessment, (iii) conservation status assessment facto, (iv) plant part collected, (v) geographic distribution, (vi) local population size, (vii) habitat specificity, (viii) regeneration, (ix) reproduction, (x) threat causes, (xi) scale and trend of use and trade. The categorized assessed for each plant can guide management and conservation strategies on national level.

Family	Scientific Name	Common Vernacular Name	Plant Form	Plant Part Used	Uses					IUCN Global Threat Category*	National Conservation Status assessment*	Additional Pre-Assessment Factors for all not threatened plants																		Subtotal	Risk Category
					Medicinal	Edible	Aromatic	Melliferous	ornamental			Conservation Status Assessment Factor		Plant part collected		Geographic Distribution		Local Population Size		Habitat Specificity		Regeneration		Reproduction		Threat Causes		Scale and trend of use and trade			
										1	2	3		4		5		6		7		8		9		10		11		12	13
										If Red List category is threatened (CR, EN --> High Risk	If national assessment is "threatened" (CR, EN --> High Risk	Vulnerable, Near Threatened	3	Plant destroyed through collection	3	Locally restricted	3	Everywhere small, scattered thinly	3	Specific to one habitat type	3	Slow growing, not re-sprouting	3	Dioecious, spec. pollinator, monocarpic	3	Multiple threat reason; destructive collection practice, habitat loss	3	Several uses; trade high or increasing	3		CR, ENà High
												Data Deficient	2	Bark, Root, apical meristem	3	Regionally restricted	2	Medium or unknown	2	Medium or unknown	2	Medium or unknown	2	Intermediate or unknown	2	Intermediate, single, or unknown	2	Intermediate or unknown	2		Others: 22-27 = High 15-21 = Med 9-14 = Low
												Not Evaluated	2	Exudate	2	Internationally widespread	1	Often large, spread homogeneously	1	Adapted to various habitat types	1	Fast growing, easily re-sprouting	1	Asexual, wind; pollinated; pollinators common	1	None known or likely to exist	1	Single use; trade low or decreasing	1		
										If VU, DD, NT, LC, or NE à complete columns 4-9		Least Concern	1	Leaf, Flower, Fruit	1																
Lamiacées (Labiées)	*Salvia fruticosa* , new shoots	قصعين، عيرقان، مريمية، قويصة	Shrub	Leaf, Flower	x		x	x	x	NT	Not threatened	Near Threatened	3	Leaf, Flower	1	Regionally restricted	2	Often large, spread homogeneously	1	Medium	2	Fast growing, easily re-sprouting	1	pollinators common	1	Multiple threat reason; destructive collection practice, habitat loss	3	Several uses; trade high or increasing	3	17	Med
Lamiacées (Labiées)	*Origanum syriacum* , flowers & new shoots	زعتر ماقليش ، زوباع	Subshrub	Leaf, Flower	x	x	x	x	x	NT	Not threatened	Near Threatened	3	Leaf, Flower	1	Regionally restricted	2	Often large, spread homogeneously	1	Adapted to various habitat types	1	Fast growing, easily re-sprouting	1	pollinators common	1	Multiple threat reason; destructive collection practice, habitat loss	3	Several uses; trade high or increasing	3	16	Med
Lamiacées (Labiées)	*Origanum ehrenbergii* , flowers & new shoots	زوبيعة، زعيترة	Subshrub	Leaf, Flower	x	x	x	x	x	VU	Endangered	Vulnerable	3	Leaf, Flower	1	Locally restricted	3	Medium	2	Specific to one habitat type	3	Fast growing, easily re-sprouting	1	pollinators common	1	Intermediate & single	2	Single use; trade low	1	17	Med
Lamiacées (Labiées)	*Cyclotrichium origanifolium* , flowers	حشيشة صنين	Subshrub	Leaf, Flower	x		x	x		EN	Assessed as not threatened but considered inadequate																				High
Violacées	*Viola libanotica* , flowers	بنفسج لبناني	Low perennial stemless plant	Flower	x				x	EN	Endangered																				High
Lamiacées (Labiées)	*Micromeria libanotica* , flowering shoots	زوفى لبنانية	Subshrub	Leaf, Flower	x					EN	Assessed as not threatened but considered inadequate																				High
Malvaceae	*Alcea damascena* , flowers	خلامية دمشقية	Perennial	Flower	x				x	LC	Not Evaluated	Least Concern	1	Flower	1	Regionally restricted	2	Medium	2	Medium	2	Fast growing, easily re-sprouting	1	Unknown	2	Intermediate & single	2	Single use; trade low	1	14	Low
Anacardiacées	*Rhus coriaria*	سماق	Tree	Fruit	x	x	x			Not Evaluated	Not Evaluated	Not Evaluated	2	Fruit	1	Regionally restricted	2	Everywhere small, scattered thinly	3	Adapted to various habitat types	1	Fast growing, easily re-sprouting	1	Wind pollinated	1	Intermediate, single, or unknown	2	Several uses; trade high or increasing	3	16	Med
Apiacées (Ombellifères)	*Ferula hermonis*	زلوح	Perennial	Root	x			x		Not Evaluated	Not Evaluated	Not Evaluated	2	Root, Plant destroyed through collection	3	Regionally restricted	2	Everywhere small, scattered thinly	3	Specific to one habitat type	3	Slow growing, not re-sprouting	3	Insect pollinators	1	Multiple threat reason; destructive collection practice, habitat loss	3	Intermediate or unknown	2	22	High
Lauraceae	*Laurus nobilis*	غار	Tree	Leaf, Flower, Fruit	x		x	x	x	Not Evaluated	Not Evaluated	Not Evaluated	2	Leaf, Flower, Fruit	1	Regionally restricted	2	Everywhere small, scattered thinly	3	Specific to one habitat type	3	Fast growing, easily re-sprouting	1	Dioecious, insect pollinators	3	Multiple threat reason; destructive collection practice, habitat loss	3	Several uses; trade high or increasing	3	21	Med
Rosacées	*Crataegus azarolus*	زعرور	Tree	Leaf, Flower, Fruit, Root	x	x		x	x	Not Evaluated	Not Evaluated	Not Evaluated	2	Leaf, Flower, Fruit, Root	3	Internationally widespread	1	Everywhere small, scattered thinly	3	Adapted to various habitat types	1	Fast growing, easily re-sprouting	1	Insect pollinators	1	Multiple threat reason; destructive collection practice, habitat loss	3	Intermediate	2	17	Med
Lamiacées (Labiées)	*Teucrium polium*	عشبة الغبرا	Subshrub	Leaf, Flower	x		x	x		Not Evaluated	Not Evaluated	Not Evaluated	2	Leaf, Flower	1	Regionally restricted	2	Medium	2	Adapted to various habitat types	1	Fast growing, easily re-sprouting	1	Insect pollinators	1	Intermediate, single, or unknown	2	Single use	1	13	Low
Hypéricacées	*Hypericum thumifolium*	عشبة الثالول	Subshrub	Leaf, Flower	x			x		Not Evaluated	Not Evaluated	Not Evaluated	2	Leaf, Flower	1	Internationally widespread	1	Medium	2	Adapted to various habitat types	1	Fast growing, easily re-sprouting	1	Insect pollinators	1	Intermediate, single, or unknown	2	Intermediate	2	13	Low
Apiacées (Ombellifères)	*Ammi majus*	خلة	Annual	Flower	x			x		Not Evaluated	Not Evaluated	Not Evaluated	2	Flower	1	Internationally widespread	1	Often large, spread homogenously	1	Adapted to various habitat types	1	Fast growing	1	Insect pollinators	1	Intermediate, single, or unknown	2	Single use	1	11	Low
Ericacées	*Arbutus unedo*	قطلب	Tree	Fruit, leaves	x	x		x	x	Not Evaluated	Not Evaluated	Not Evaluated	2	Fruit, leaves	1	Internationally widespread	1	Everywhere small, scattered thinly	3	Specific to one habitat type	3	Fast growing, easily re-sprouting	1	Insect pollinators	1	Multiple threat reason; destructive collection practice, habitat loss	3	Intermediate	1	16	Med
Astéracées (Composées)	*Artemisia herba-alba*	شيح	Subshrub	Leaf, Flower	x		x	x		Not Evaluated	Endangered	Not Evaluated	2	Leaf, Flower	1	Regionally restricted	2	Often large, spread homogenously	1	Specific to one habitat type	3	Fast growing, easily re-sprouting	1	Insect pollinators	1	Multiple threat reason; destructive collection practice, habitat loss	3	Intermediate	2	16	Med
Bérbéridacées	*Berberis libanotica*	برباريس	Shrub	Fruit	x	x				Not Evaluated	Not Evaluated	Not Evaluated	2	Fruit	1	Locally restricted	3	Everywhere small, scattered thinly	3	Specific to one habitat type	3	Slow growing, but easily re-sprouting	2	Insect pollinators	1	Multiple threat reason; destructive collection practice, habitat loss	3	Intermediate	2	20	Med
Boraginacées	*Borago officinalis*	لسان الثور، بلعصون	perennial, herbaceous	Leaf, Flower	x	x		x		Not Evaluated	On the way of extinction	Not Evaluated	2	Leaf, Flower	1	Internationally widespread	1	Medium	2	Adapted to various habitat types	1	Fast growing, easily re-sprouting	1	Insect pollinators	1	Intermediate, single, or unknown	2	Intermediate	2	13	Low
Capparidacées	*Capparis spinosa*	كبار	Shrub	Flower, Fruit, Root	x	x		x		Not Evaluated	Not Evaluated	Not Evaluated	2	Flower, Fruit, Root	3	Internationally widespread	1	Everywhere small, scattered thinly	3	Adapted to various habitat types	1	Fast growing, easily re-sprouting	1	Insect pollinators	1	None known or likely to exist	1	Intermediate	2	15	Med
Gentianacées	*Centaurium erythraea*	قنطريون، عشبة المرة	Annual	Leaf, Flower	x					Not Evaluated	Not Evaluated	Not Evaluated	2	Leaf, Flower	1	Regionally restricted	2	Everywhere small, scattered thinly	3	Specific to one habitat type	3	Slow growing, not re-sprouting	3	Insect pollinators	1	Intermediate, single, or unknown	2	Single use	1	18	Med
Césalpiniacées	*Ceratonia siliqua*	خروب	Tree	Leaf, Flower, Fruit	x	x			x	Not Evaluated	Not Evaluated	Not Evaluated	2	Leaf, Flower, Fruit	1	Regionally restricted	2	Everywhere small, scattered thinly	3	Specific to one habitat type	3	Fast growing, easily re-sprouting	1	Dioecious, insect pollinators	3	Multiple threat reason; destructive collection practice, habitat loss	3	Several uses; trade high or increasing	3	21	Med
Aspleniacées	*Ceterach officinarum*	عشبة الذهبية	Perennial herbaceous	Leaf, Flower	x					Not Evaluated	Not Evaluated	Not Evaluated	2	Leaf, Flower	1	Regionally restricted	2	Everywhere small, scattered thinly	3	Specific to one habitat type	3	Slow growing, not re-sprouting	3	No conventional pollination	1	Intermediate, single, or unknown	2	Single use; trade low	1	18	Med
Astéracées (Composées)	*Cichorium intybus*	هندباء	Perennial herbaceous	Leaf	x	x		x		Not Evaluated	Not Evaluated	Not Evaluated	2	Leaf	1	Internationally widespread	1	Often large, spread homogenously	1	Adapted to various habitat types	1	Fast growing, easily re-sprouting	1	Insect pollinators	1	Intermediate, single, or unknown	2	Several uses; trade high or increasing	3	13	Low
Cucurbitacées	*Citrullus colocynthis*	حنظل	Perennial herbaceous	Leaf, Fruit	x					Not Evaluated	On the way of extinction	Not Evaluated	2	Leaf, Fruit	1	Regionally restricted	2	Everywhere small, scattered thinly	3	unknown	2	Slow growing, not re-sprouting	3	Insect pollinators	1	Intermediate, single, or unknown	2	Single use; trade low	1	17	Med
Ranunculacées	*Clematis vitalba*	علمة	Subshrub	Leaf, Flower, Root	x			x	x	Not Evaluated	Not Evaluated	Not Evaluated	2	Leaf, Flower, Root	1	Internationally widespread	1	Often large, spread homogenously	1	Specific to one habitat type	3	Fast growing, easily re-sprouting	1	Wind pollinated	1	Intermediate, single, or unknown	2	Single use; trade low	1	13	Low
Apiacées (Ombellifères)	*Conium maculatum*	سوكرنا	perennial herbaceous	Flower	x			x		Not Evaluated	Not Evaluated	Not Evaluated	2	Flower	1	Regionally restricted	2	Medium	2	Adapted to various habitat types	1	Fast growing, easily re-sprouting	1	Insect pollinators	1	Intermediate, single, or unknown	2	Single use; trade low	1	13	Low
Solanacées	*Datura stramonium*	داتور	Annual	Leaf, Flower	x					Not Evaluated	Not Evaluated	Not Evaluated	2	Leaf, Flower	1	Internationally widespread	1	Everywhere small, scattered thinly	3	Adapted to various habitat types	1	Fast growing,	1	Wind pollinated	1	None known or likely to exist	1	Single use; trade low	1	12	Low
Apiacées (Ombellifères)	*Daucus carota*	جزر بري	Annual	Flower	x			x		Not Evaluated	Not Evaluated	Not Evaluated	2	Flower	1	Internationally widespread	1	Often large, spread homogenously	1	Adapted to various habitat types	1	Fast growing	1	Insect pollinators	1	Intermediate, single, or unknown	2	Single use; trade low	1	11	Low
Apiacées (Ombellifères)	*Crithmum maritimum*		Perennial	Entire Plant	x			x		Not Evaluated	On the way of extinction	Not Evaluated	2	Plant destroyed through collection	3	Regionally restricted	2	Everywhere small, scattered thinly	3	Specific to one habitat type	3	Slow growing, not re-sprouting	3	Wind pollinated	1	Multiple threat reason; destructive collection practice, habitat loss	3	Single use; trade low	1	21	Med
Equisetaceae	*Equisetum telmateia*	ذيل الحصان	Perennial herbaceous	Leaf	x					Not Evaluated	Not Evaluated	Not Evaluated	2	Leaf	1	Internationally widespread	1	Everywhere small, scattered thinly	2	Specific to one habitat type	3	Fast growing, easily re-sprouting	1	No conventional pollination	1	Intermediate, single, or unknown	2	Intermediate	2	15	Med
Apiacées (Ombellifères)	*Eryngium creticum*	قرص عني	Perennial herbaceous	Leaf, Flower, Root	x	x		x		Not Evaluated	Not Evaluated	Not Evaluated	2	Leaf, Flower, Root	3	Regionally restricted	2	Often large, spread homogenously	1	Adapted to various habitat types	1	Fast growing	1	Insect pollinators	1	Intermediate, single, or unknown	2	Intermediate	2	15	Med
Brassicacées (Crucifères)	*Fibigia clypeata*	عشبة القوني	Subshrub	Leaf, Flower, Fruit	x					Not Evaluated	Not Evaluated	Not Evaluated	2	Leaf, Flower, Fruit	1	Regionally restricted	2	Everywhere small, scattered thinly	3	Specific to one habitat type	3	medium	2	Insect pollinators	1	Intermediate, single, or unknown	2	Single use; trade low	1	17	Med
Solanacées	*Hyoscyamus aureus*	بنج	Annual	Leaf, Flower	x			x		Not Evaluated	Not Evaluated	Not Evaluated	2	Leaf, Flower	1	Regionally restricted	2	Everywhere small, scattered thinly	3	Specific to one habitat type	3	Fast growing	1	Insect pollinators	1	Intermediate, single, or unknown	2	Single use; trade low	2	17	Med
Astéracées (Composées)	*Helichrysum plicatum*		Perennial herbaceous	Leaf, Flower	x					Not Evaluated	Not Evaluated	Not Evaluated	2	Leaf, Flower	1	Regionally restricted	2	Everywhere small, scattered thinly	3	Adapted to various habitat types	1	Fast growing, easily re-sprouting	1	Insect pollinators	1	Intermediate, single, or unknown	2	Single use; trade low	1	14	Low
Astéracées (Composées)	*Matricaria chamomilla*	بابونج	annual	Leaf, Flower	x			x		Not Evaluated	Not Evaluated	Not Evaluated	2	Leaf, Flower	1	Internationally widespread	1	Everywhere small, scattered thinly	3	Specific to one habitat type	3	Fast growing	1	Insect pollinators	1	Multiple threat reason; destructive collection practice, habitat loss	3	Intermediate	2	17	Med
Myrtacées	*Myrtus communis*	حب الآس	Shrub	Leaf, Flower, Fruit	x	x	x	x	x	Not Evaluated	Not Evaluated	Not Evaluated	2	Leaf, Flower, Fruit	1	Regionally restricted	2	Everywhere small, scattered thinly	3	Specific to one habitat type	3	Fast growing, easily re-sprouting	1	Insect pollinators	1	Multiple threat reason; destructive collection practice, habitat loss	3	Intermediate	3	19	Med
Brassicacées (Crucifères)	*Nasturtium officinale*	قرة	Perennial herbaceous	Leaf	x	x		x		Not Evaluated	Not Evaluated	Not Evaluated	2	Leaf	1	Internationally widespread	1	Medium	2	Specific to one habitat type	3	Fast growing, easily re-sprouting	1	Wind pollinated	1	Multiple threat reason; destructive collection practice, habitat loss	3	Intermediate	2	16	Med
Zygophyllacées	*Paeganum harmala*	حرمل	Subshrub	Leaf, Flower, Fruit	x					Not Evaluated	Not Evaluated	Not Evaluated	2	Leaf, Flower, Fruit	1	Regionally restricted	2	Often large, spread homogenously	1	Specific to one habitat type	3	Slow growing, but easily re-sprouting	2	Wind pollinated	1	Intermediate, single, or unknown	2	Intermediate	2	16	Med
Portulacacées	*Portulaca oleracea*	بقلة، فرفحين	Annual	Leaf	x	x				Not Evaluated	Not Evaluated	Not Evaluated	2	Leaf	1	Internationally widespread	1	Often large, spread homogenously	1	Adapted to various habitat types	1	Fast growing, easily re-sprouting	1	Wind pollinated	1	None known or likely to exist	1	Several uses; trade high or increasing	3	12	Low
Rosacées	*Poterium verrucosum*	عشبة الثالول	Perennial herbaceous	Leaf, Flower	x					Not Evaluated	Not Evaluated	Not Evaluated	2	Leaf, Flower	1	Regionally restricted	2	Everywhere small, scattered thinly	3	Adapted to various habitat types	1	Fast growing, but not easily re-sprouting	2	Wind pollinated	1	Intermediate, single, or unknown	2	Intermediate	1	15	Med
Fabacées (Papilionacées)	*Retama ratemum*	رتم	Subshrub	Leaf, Flower, Fruit	x			x		Not Evaluated	On the way of extinction	Not Evaluated	2	Leaf, Flower, Fruit	1	Regionally restricted	2	Everywhere small, scattered thinly	3	Specific to one habitat type	3	Slow growing, not re-sprouting	3	Wind pollinated	1	Multiple threat reason; destructive collection practice, habitat loss	3	Single use; trade low	1	19	Med
Polygonacées	*Rheum ribes*	ريباس	Perennial herbaceous	Leaf, Flower, Fruit	x					Not Evaluated	Not Evaluated	Not Evaluated	2	Leaf, Flower, Fruit	1	Regionally restricted	2	Everywhere small, scattered thinly	3	Specific to one habitat type	3	Slow growing, not re-sprouting	3	Wind pollinated	1	Multiple threat reason; destructive collection practice, habitat loss	3	Intermediate	1	19	Med
Rosacées	*Rubus sanctus*	ورد بري	Shrub	Fruit, Root	x	x		x		Not Evaluated	Not Evaluated	Not Evaluated	2	Fruit, Root	3	Regionally restricted	2	Everywhere small, scattered thinly	3	Specific to one habitat type	3	Fast growing, easily re-sprouting	1	Insect pollinators	1	Multiple threat reason; destructive collection practice, habitat loss	3	Intermediate	1	19	Med

Liliacées	*Ruscus aculeatus*	صرام الديك	Shrub	Leaf, Flower, Fruit	x				x	Not Evaluated	Not Evaluated	Not Evaluated	2	Leaf, Flower, Fruit	1	Internationally widespread	1	Everywhere small, scattered thinly	3	Specific to one habitat type	3	Fast growing, easily re-sprouting	1	Unknown	1	Intermediate, single, or unknown	2	Intermediate	2	16	Med
Salicacées	*Salix alba*	صفصاف	Tree	Leaf, Flower, Fruit	x				x	Not Evaluated	Threatened	Not Evaluated	2	Leaf, Flower, Fruit	1	Regionally restricted	2	Medium	2	Specific to one habitat type	3	Fast growing, easily re-sprouting	1	Wind pollinated	1	Intermediate, single, or unknown	2	Single use; trade low	2	16	Med
Lamiacées (Labiées)	*Salvia sclarea*	كف الذئب	Perennial herbaceous	Leaf, Flower	x		x	x		Not Evaluated	Not Evaluated	Not Evaluated	2	Leaf, Flower	1	Internationally widespread	1	Everywhere small, scattered thinly	3	Adapted to various habitat types	1	Fast growing, easily re-sprouting	1	Insect pollinators	1	Intermediate, single, or unknown	2	Intermediate	2	14	Low
Fabacées (papilionacées)	*Spartium junceum*	وزال	Shrub	Flower	x		x		x	Not Evaluated	Not Evaluated	Not Evaluated	2	Flower	1	Regionally restricted	2	Often large, spread homogenously	1	Specific to one habitat type	3	Fast growing, easily re-sprouting	1	Wind pollinated	1	Intermediate, single, or unknown	2	Intermediate	2	15	Med
Astéracées (Composées)	*Taraxacum officinale*	مخو يعيو	Perennial herbaceous	Leaf, Root	x	x				Not Evaluated	Not Evaluated	Not Evaluated	2	Leaf $ Root	3	Internationally widespread	1	Often large, spread homogenously	1	Adapted to various habitat types	1	Fast growing, but not easily re-sprouting	2	Wind pollinated	1	Intermediate, single, or unknown	2	Intermediate	2	15	Med
Fabacées (papilionacées)	*Trigonella foenum-graecum*	حنذقوق	Annual	Fruit	x	x	x	x		Not Evaluated	Not Evaluated	Not Evaluated	2	Fruit	1	Regionally restricted	2	Often large, spread homogenously	1	Adapted to various habitat types	1	Fast growing, but not easily re-sprouting	2	Wind pollinated	1	Intermediate, single, or unknown	2	Intermediate	2	14	Low
Urticacées	*Urtica urens*	قريس	Annual	Leaf, Flower	x					Not Evaluated	Not Evaluated	Not Evaluated	2	Leaf, Flower	1	Regionally restricted	2	Often large, spread homogenously	1	Adapted to various habitat types	1	Fast growing, but not easily re-sprouting	2	Wind pollinated	1	Intermediate, single, or unknown	2	Intermediate	1	13	Low
Caprifoliacées	*Sambucus nigra*	خمان	Perennial herbaceous	Leaf, Flower, Fruit	x					Not Evaluated	Not Evaluated	Not Evaluated	2	Leaf, Flower, Fruit	1	Internationally widespread	1	Everywhere small, scattered thinly	3	Specific to one habitat type	3	Fast growing, easily re-sprouting	1	Wind pollinated	1	Intermediate, single, or unknown	2	Single use; trade low	1	15	Med
Rosacées	*Potentilla anserina*		Perennial herbaceous	Leaf, Flower	x					Not Evaluated	Not Evaluated	Not Evaluated	2	Leaf, Flower	1	Regionally restricted	2	Everywhere small, scattered thinly	3	Specific to one habitat type	3	Fast growing, easily re-sprouting	1	Asexual, wind; pollinated; pollinators common	1	Intermediate, single, or unknown	2	Single use; trade low	1	16	Med
Liliacées	*Lilium candsidum*	زنبق	Perennial herbaceous	Leaf, Flower	x					Not Evaluated	On the way of extinction	Not Evaluated	2	Leaf, Flower	1	Regionally restricted	2	Everywhere small, scattered thinly	3	Specific to one habitat type	3	Fast growing, easily re-sprouting	3	Wind pollinated	1	Intermediate, single, or unknown	2	Single use; trade low	1	18	Med
Liliacées	*Asparagus acutifolius*	هلون	Shrub	Leaf, Root	x	x				Not Evaluated	Not Evaluated	Not Evaluated	2	Leaf, Root	3	Regionally restricted	2	Everywhere small, scattered thinly	3	Specific to one habitat type	3	Fast growing, easily re-sprouting	1	Wind pollinated	1	Intermediate, single, or unknown	2	Intermediate	2	19	Med
Liliacées	*Asphodelus microcarpus*	بصيلى	Perennial herbaceous	Leaf, Flower, Bulb	x			x		Not Evaluated	Not Evaluated	Not Evaluated	2	Leaf, Flower, Bulb	3	Internationally widespread	1	Often large, spread homogenously	1	Adapted to various habitat types	1	Fast growing, easily re-sprouting	1	Wind pollinated	1	None known or likely to exist	1	Single use; trade low	1	12	Low
Cucurbitacées	*Ecbaallium elatrium*	قث الحمار،	Perennial herbaceous	Fruit	x					Not Evaluated	Not Evaluated	Not Evaluated	2	Fruit	1	Internationally widespread	1	Everywhere small, scattered thinly	3	Specific to one habitat type	3	Fast growing, easily re-sprouting	1	Insect pollinators	1	None known or likely to exist	1	Single use; trade low	1	14	Low
Araliacées	*Hedera helix*	عربيش	Perennial	Leaf, Flower	x				x	Not Evaluated	Not Evaluated	Not Evaluated	2	leaves, Flowers	1	Internationally widespread	1	Often large, spread homogenously	1	Specific to one habitat type	3	Fast growing, easily re-sprouting	1	Wind pollinated	1	Intermediate, single, or unknown	2	Single use; trade low	1	13	Low
Anacardiacées	*Pistacia lentiscus*	برزق	Shrub	Leaf, Fruit	x				x	Not Evaluated	Not Evaluated	Not Evaluated	2	Leaf, Fruit	1	Regionally restricted	2	Often large, spread homogenously	1	Specific to one habitat type	3	Fast growing, easily re-sprouting	1	Dioecious	3	Multiple threat reason; destructive collection practice, habitat loss	3	Single use; trade low	1	17	Med
Lamiacées (Labiées)	*Thymbra spicata*	زعتر رفيع	Subshrub	Leaf, Fruit	x	x	x	x	x	Not Evaluated	Not Evaluated	Not Evaluated	2	Leaf, Fruit	1	Regionally restricted	2	Often large, spread homogenously	1	Specific to one habitat type	3	Fast growing, easily re-sprouting	1	Insect pollinators	1	Multiple threat reason; destructive collection practice, habitat loss	3	Several uses; trade high or increasing	3	17	Med
Lamiacées (Labiées)	*Satureja thymbra*	زعتر الجحش، زعيترة	Subshrub	Leaf, Fruit	x	x	x	x	x	Not Evaluated	Not Evaluated	Not Evaluated	2	Leaf, Fruit	1	Regionally restricted	2	Often large, spread homogenously	1	Specific to one habitat type	3	Fast growing, easily re-sprouting	1	Insect pollinators	1	Multiple threat reason; destructive collection practice, habitat loss	3	Several uses; trade high or increasing	3	17	Med
Liliacées	*Asparagus aphyllus*	هلون	Shrub	Leaf, Root	x	x				Not Evaluated	Not Evaluated	Not Evaluated	2	Leaf, Root	3	Regionally restricted	2	Everywhere small, scattered thinly	3	Specific to one habitat type	3	Fast growing, easily re-sprouting	1	Wind pollinated	1	Intermediate, single, or unknown	2	Intermediate	2	19	Med

The IUCN Red List Categories (Source: IUCN 2010)
EXTINCT (EX), EXTINCT IN THE WILD (EW), CRITICALLY ENDANGERED (CR), ENDANGERED (EN), VULNERABLE (VU), NEAR THREATENED (NT), LEAST CONCERN (LC), DATA DEFICIENT (DD), NOT EVALUATED (NE)

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Publication series: conservation guideline for medicinal and aromatic plants (MAPs) in Lebanon

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