Species:	Cannabis sativa subsp. indica (Cannabis, grass, hemp, Indian hemp, marihuana,		
	_ marijuana, maryjane, pot, weed) FLORIDA		
Note:	[Differences highlighted in yellow] Cannabis sativa is the only species in Cannabis,		
	although Cannabis indica L. is sometimes recognized as separate species representing		
	the morphologically and chemically distinct drug types from Afghanistan and		
	Pakistan. Great variation exists in Cannabis as a result of selection for fibre, oilseed or		
	resin. This variation is further enhanced by the ease of crossing between these plant		
	types making all subspecific classifications inexact. A geographical classification is in		
	use for cultivated cannabis, in which North European, Central Russian,		
	Mediterranean and Asiatic types are distinguished. The North European cannabis is		
	characterized by a short stem (< 1.5 m) and early flowering. Fibre and fruit yields are		
	generally low. Central Russian cannabis is cultivated in Europe and Asia between		
	50–60° latitude. Total growth duration is 90–110 days, with stems reaching 1.3–3 m		
	in height. Fibre yields of these types are average, but high fruit yields may be		
	obtained. Mediterranean cannabis is mainly cultivated south of 50° latitude in		
	Europe. The total growth duration is 130–150 days, with stems reaching 2.5–4.5 m in		
	height. Fibre production can be high and the fibre of good quality. Fruit yields are		
	average. Asiatic type cannabis plants form branched stems of 2.5–3 m with short		
	internodes. Growth duration is 150–170 days. For practical purposes, three types can		
	be distinguished, based on the concentrations of $\Delta 9$ -THC and cannabidiol: the drug		
	(resin) type, with high $\Delta 9$ -THC concentration (> 1%) and low cannabidiol content; the		
	hemp (fibre) and seed types with very low $\Delta 9$ -THC content (< 0.3%) and high		
	cannabidiol concentration; and the intermediate type, with moderately high		
	concentrations of both compounds. However, concentrations may change during the		
	growing season.		
1.02			2
	Has the species become naturalised where grown?	У	-3
1.03 2.01	Does the species have weedy races?	У	
2.01	Species suited to FL climates (USDA hardiness zones; 0-low, 1-intermediate, 2-high)		
2.02	Quality of climate match data (0-low; 1-intermediate; 2-high)	2	
2.03	Broad climate suitability (environmental versatility)	2	
2.04	Native or naturalized in regions with an average of 11-60 inches of annual	У	
	precipitation		1
			-
2.05	Does the species have a history of repeated introductions outside its natural range?	У	1
2.05 3.01	· ·	У	
	Does the species have a history of repeated introductions outside its natural range?	у	
3.01	Does the species have a history of repeated introductions outside its natural range? Naturalized beyond native range Garden/amenity/disturbance weed		1
3.01 3.02	Does the species have a history of repeated introductions outside its natural range? Naturalized beyond native range	у У У	2
3.01 3.02 3.03	Does the species have a history of repeated introductions outside its natural range? Naturalized beyond native range Garden/amenity/disturbance weed Weed of agriculture Environmental weed	у у у у	2 2
3.01 3.02 3.03 3.04 3.05	Does the species have a history of repeated introductions outside its natural range? Naturalized beyond native range Garden/amenity/disturbance weed Weed of agriculture Environmental weed Congeneric weed	у У У	1 2 2 4 4
3.01 3.02 3.03 3.04 3.05 4.01	Does the species have a history of repeated introductions outside its natural range? Naturalized beyond native range Garden/amenity/disturbance weed Weed of agriculture Environmental weed Congeneric weed Produces spines, thorns or burrs	У У У У У	1 2 2 4
3.01 3.02 3.03 3.04 3.05 4.01 4.02	Does the species have a history of repeated introductions outside its natural range? Naturalized beyond native range Garden/amenity/disturbance weed Weed of agriculture Environmental weed Congeneric weed Produces spines, thorns or burrs Allelopathic	y y y y y	1 2 2 4 4 0
3.01 3.02 3.03 3.04 3.05 4.01 4.02 4.03	Does the species have a history of repeated introductions outside its natural range? Naturalized beyond native range Garden/amenity/disturbance weed Weed of agriculture Environmental weed Congeneric weed Produces spines, thorns or burrs Allelopathic Parasitic	y y y y y n	1 2 2 4 4 0 0
3.01 3.02 3.03 3.04 3.05 4.01 4.02 4.03 4.04	Does the species have a history of repeated introductions outside its natural range? Naturalized beyond native range Garden/amenity/disturbance weed Weed of agriculture Environmental weed Congeneric weed Produces spines, thorns or burrs Allelopathic Parasitic Unpalatable to grazing animals	y y y y y	1 2 2 4 4 0
3.01 3.02 3.03 3.04 3.05 4.01 4.02 4.03 4.04 4.05	Does the species have a history of repeated introductions outside its natural range? Naturalized beyond native range Garden/amenity/disturbance weed Weed of agriculture Environmental weed Congeneric weed Produces spines, thorns or burrs Allelopathic Parasitic Unpalatable to grazing animals Toxic to animals	y y y y y n n	1 2 2 4 4 0 0
3.01 3.02 3.03 3.04 3.05 4.01 4.02 4.03 4.04 4.05 4.06	Does the species have a history of repeated introductions outside its natural range? Naturalized beyond native range Garden/amenity/disturbance weed Weed of agriculture Environmental weed Congeneric weed Produces spines, thorns or burrs Allelopathic Parasitic Unpalatable to grazing animals Toxic to animals Host for recognised pests and pathogens	y y y y n n	1 2 2 4 4 0 0
3.01 3.02 3.03 3.04 3.05 4.01 4.02 4.03 4.04 4.05 4.06 4.07	Does the species have a history of repeated introductions outside its natural range? Naturalized beyond native range Garden/amenity/disturbance weed Weed of agriculture Environmental weed Congeneric weed Produces spines, thorns or burrs Allelopathic Parasitic Unpalatable to grazing animals Toxic to animals Host for recognised pests and pathogens Causes allergies or is otherwise toxic to humans	y y y y n n n	1 2 2 4 4 0 0 0
3.01 3.02 3.03 3.04 3.05 4.01 4.02 4.03 4.04 4.05 4.06 4.07 4.08	Does the species have a history of repeated introductions outside its natural range? Naturalized beyond native range Garden/amenity/disturbance weed Weed of agriculture Environmental weed Congeneric weed Produces spines, thorns or burrs Allelopathic Parasitic Unpalatable to grazing animals Toxic to animals Host for recognised pests and pathogens Causes allergies or is otherwise toxic to humans Creates a fire hazard in natural ecosystems	y y y y n n n y	1 2 2 4 4 0 0 0
3.01 3.02 3.03 3.04 3.05 4.01 4.02 4.03 4.04 4.05 4.06 4.07 4.08 4.09	Does the species have a history of repeated introductions outside its natural range? Naturalized beyond native range Garden/amenity/disturbance weed Weed of agriculture Environmental weed Congeneric weed Produces spines, thorns or burrs Allelopathic Parasitic Unpalatable to grazing animals Toxic to animals Host for recognised pests and pathogens Causes allergies or is otherwise toxic to humans Creates a fire hazard in natural ecosystems Is a shade tolerant plant at some stage of its life cycle	y y y y n n n y n	1 2 2 4 4 0 0
3.01 3.02 3.03 3.04 3.05 4.01 4.02 4.03 4.04 4.05 4.06 4.07 4.08	Does the species have a history of repeated introductions outside its natural range? Naturalized beyond native range Garden/amenity/disturbance weed Weed of agriculture Environmental weed Congeneric weed Produces spines, thorns or burrs Allelopathic Parasitic Unpalatable to grazing animals Toxic to animals Host for recognised pests and pathogens Causes allergies or is otherwise toxic to humans Creates a fire hazard in natural ecosystems	y y y y n n n y n	1 2 2 4 4 0 0 0

4.12	Forms dense thickets	n	0
5.01	Aquatic		
5.02	Grass	n	0
5.03	Nitrogen fixing woody plant	n	0
5.04	Geophyte	n	0
6.01	Evidence of substantial reproductive failure in native habitat	n	0
6.02	Produces viable seed	n	0
6.03	Hybridizes naturally	у	1
6.04	Self-compatible or apomictic	У	1
6.05	Requires specialist pollinators		
6.06	Reproduction by vegetative propagation	n	0
6.07	Minimum generative time (years)	n	-1
7.01	Propagules likely to be dispersed unintentionally (plants growing in heavily trafficked	1	
	areas)		1
7.02	Propagules dispersed intentionally by people		
7.03	Propagules likely to disperse as a produce contaminant	у	1
7.04	Propagules adapted to wind dispersal	у	1
7.05	Propagules water dispersed	У	1
7.06	Propagules bird dispersed	у	1
7.07	Propagules dispersed by other animals (externally)		
7.08	Propagules dispersed by other animals (internally)		
8.01	Prolific seed production		
8.02	Evidence that a persistent propagule bank is formed (>1 yr)	У	1
8.03	Well controlled by herbicides		
8.04	Tolerates, or benefits from, mutilation or cultivation		
8.05	Effective natural enemies present in U.S.		
	Total Score	2	0
	Implemented Pacific Second Screening	n,	/a
	Risk Assessment Results	Hi	gh

section	# questions answered	satisfy minimum?
Α		12 yes
В		8 yes
С		15 yes
total		35 yes

	Reference	Source data
1.01	1. CAB International, 2010. Cannabis sativa [Author unknown]. Invasive Species Compendium. Wallingford, UK: CAB International. http://www.cabi.org/publishing-products/compendia/. 2. Wagner W.L., Herbst D. R., Sohmer S.H. Manual of the Flowering Plants of Hawaii. Honolulu: Bishop Museum Press, 1999.	1. In 450 BC, Herodotus wrote the first account of fibre hemp cultivation in Scythia. The first record of drug use of C. sativa was the prehistoric Scythians (Herodotus, 1906). Prior to this, however, cannabis was introduced to the Indian subcontinent, perhaps 12,000 years ago (Able, 1980). 2. One of the most ancient of cultivated species. A large number of species and infraspecific taxa have been described for this plant. Most of the variation is contributed to its long history of cultivation, perhaps as long as 8,500 years.
1.02	1. Wunderlin, RP & Hansen, BF. Guide to the Vascular Plants of Florida. Gainesville: University Press of Florida, Gainesville. 2003.	1. Escaped from cultivation.
1.03		
2.01	1. PERAL NAPPFAST Global Plant Hardiness (http://www.nappfast.org/Plant_hardiness/NAPPFAST%20Global %20zones/10-year%20climate/PLANT_HARDINESS_10YR%20lgnd.tif). 2. USDA, ARS, National Genetic Resources Program. Germplasm Resources Information Network - (GRIN) [Online Database]. National Germplasm Resources Laboratory, Beltsville, Maryland. http://www.ars-grin.gov/cgi-bin/npgs/html/taxon.pl?409896 (7 August 2014). 3. Efloras. Flora of China. http://www.efloras.org/flora_page.aspx?flora_id=2. Accessed 7 August 2014.	3. Native to Asia. 4. Originated in temperate central Asia. Specifically,
2.02		No computer analysis was performed. Native range is well known; refer to 2.01 source data.
2.03	1. Köppen-Geiger climate map (http://www.hydrol-earth-syst-sci.net/11/1633/2007/hess-11-1633-2007.pdf). 2. Efloras. Flora of China. http://www.efloras.org/flora_page.aspx?flora_id=2. Accessed 7 August 2014. 3. CAB International, 2010. Cannabis sativa [Author unknown]. Invasive Species Compendium. Wallingford , UK: CAB International. http://www.cabi.org/publishing-products/compendia/.	1. Distribution in the native and cultivated range is globally widespread; occurs in more than 3 climactic groups. 2. Occurs 0-2000 m. 3. C. sativa grows from sea level to 3700 m in altitude, and from the equator to approximately 63° latitude (such as in Finland).
2.04	1. World Climate Maps. http://www.climate-charts.com/World-Climate-Maps.html. Accessed 5 February 2014. 2. CAB International, 2010. Cannabis sativa [Author unknown]. Invasive Species Compendium. Wallingford, UK: CAB International. http://www.cabi.org/publishing-products/compendia/.	1. Occurs in native and cultivated areas with mean annual precipitation ≤40"-70"≥. 2. Duke (1985) found that C. sativa has optimum growth in areas receiving an annual rainfall of 970 mm.
2.05	1. USDA, ARS, National Genetic Resources Program. Germplasm Resources Information Network - (GRIN) [Online Database]. National Germplasm Resources Laboratory, Beltsville, Maryland. http://www.ars-grin.gov/cgi-bin/npgs/html/taxon.pl?409896 (7 August 2014). 2. Efloras. Flora of China. http://www.efloras.org/flora_page.aspx?flora_id=2. Accessed 7 August 2014.	1. Widely cultivated. 2. Introduced; has been reported as cultivated illegally and as apparently ruderal in all provinces and states except Alaska. It seems to be best established in the prairies and plains of central North America.
3.01	1. USDA, ARS, National Genetic Resources Program. Germplasm Resources Information Network - (GRIN) [Online Database]. National Germplasm Resources Laboratory, Beltsville, Maryland. http://www.ars-grin.gov/cgi-bin/npgs/html/taxon.pl?409896 (7 August 2014). 2. Efloras. Flora of China. http://www.efloras.org/flora_page.aspx?flora_id=2. Accessed 7 August 2014.	1. Widely naturalized. 2. Principal naturalized range: Canada (Ont., Que.); USA: (AR, CT, DE, IL, IN, IA, KS, KY, ME, MD, MA, MI, MN, MO, NE, NH, NJ, NY, ND., OH, OK, PA, RI, SD, VT, VA, WV, WI).

3.02	1. Efloras. Flora of China.	1. Well-manured, moist farmyards, and in open habitats, waste
	http://www.efloras.org/flora_page.aspx?flora_id=2. Accessed 7	places (roadsides, railways, vacant lots), occasionally in fallow
	August 2014.	fields and open woods
3.03	1. Holm et al. A Geographical Atlas of World Weeds. New York:	1. Listed as a serious weed in AFG, and a principal weed in AUS,
	John Wiley & Sons. 1979. Print.	CHN, HK, PK, PR.
3.04	1. USDA, ARS, National Genetic Resources Program. Germplasm	1. Species restricted as a state noxious weed. A declared
	Resources Information Network - (GRIN) [Online Database].	terrestrial noxious weed and/or noxious-weed seed in these U.S.
	National Germplasm Resources Laboratory, Beltsville, Maryland.	states: IL*, IN*, MN*°, MO*, ND°, PA*°, WV* (*Terrestrial; °In
	http://www.ars-grin.gov/cgi-bin/npgs/html/taxon.pl?409896 (7	seed.).
	August 2014).	
3.05	1. Wulijarni-Soetjipto, N., Subarnas, A., Horsten, S.F.A.J. &	1. Cannabis sativa is the only species in Cannabis.
	Stutterheim, N.C., 1999. Cannabis sativa L.[Internet] Record from	
	Proseabase. de Padua, L.S., Bunyapraphatsara, N. and Lemmens,	
	R.H.M.J. (Editors). PROSEA (Plant Resources of South-East Asia)	
	Foundation, Bogor, Indonesia. http://www.proseanet.org.	
	Accessed from Internet: 11 August 2014.	
4.01		These structures are not included in the description of this
		species.
4.02		No evidence found.
4.03	1. USDA, ARS, National Genetic Resources Program. Germplasm	1. Family: Cannabaceae (not a parasitic family).
	Resources Information Network - (GRIN) [Online Database].	
	National Germplasm Resources Laboratory, Beltsville, Maryland.	
	http://www.ars-grin.gov/cgi-bin/npgs/html/taxon.pl?409896 (7	
	August 2014).	
4.04	1. CAB International, 2010. Cannabis sativa [Author unknown].	Although there is evidence that C. sativa is used as fodder/animal
	Invasive Species Compendium. Wallingford , UK: CAB	feed, it is not know if it is preferred when grazers and browsers
	International. http://www.cabi.org/publishing-	have a choice of species. 2. Various herbarious animals prey on
	products/compendia/. 2. Clarke, RC. Marijuana Botany: An	Cannabis. Small rodents and birds eat the seeds and sprouts,
	Advanced Study: The Propagation and Breeding of Distinctive	while rabbits and such grazing animals as deer eat larger
4.05	Cannabis. Berkeley: Ronin Publishing, Inc., 1981.	seedlings.
4.05	1. CAB International, 2010. Cannabis sativa [Author unknown].	1. Animal Feed, Fodder, Forage: fodder/animal feed. 2. Animals
	Invasive Species Compendium. Wallingford , UK: CAB	are rarely poisoned because of the low palatability of the plant.
	International. http://www.cabi.org/publishing-	However, cattle, horses, pigs, ferrets, and dogs are susceptible to
	products/compendia/. 2. Chan, A. 2003. Poisonous Plants.	intoxication after exposure. THC concentrations are highest in
	University of Pennsylvania. Accessed: 11 August 2014.	flowers and leaves. CNS depression is the most commonly
	http://cal.vet.upenn.edu/projects/poison/plants/ppmarij.htm	observed sign of poisoning in dogs. Hyperexcitability, vomiting,
		salivation, muscle tremors, and ataxia may also be seen in
		intoxicated animals. Intoxication usually lasts a few hours. In
1	1	severe cases, coma and death are rarely seen.

4.06	1. CAB International, 2010. Cannabis sativa [Author unknown]. Invasive Species Compendium. Wallingford, UK: CAB International. http://www.cabi.org/publishing-products/compendia/. 2. Wulijarni-Soetjipto, N., Subarnas, A., Horsten, S.F.A.J. & Stutterheim, N.C., 1999. Cannabis sativa L.[Internet] Record from Proseabase. de Padua, L.S., Bunyapraphatsara, N. and Lemmens, R.H.M.J. (Editors). PROSEA (Plant Resources of South-East Asia) Foundation, Bogor, Indonesia. http://www.proseanet.org. Accessed from Internet: 11 August 2014.	1. Fusarium oxysporum f.sp. cannabis, Phomopsis cannabina, Phomopsis ganjae. 2. Diseases and pests in hemp may be plant specific or general. Reported damage by hemp-specific organisms are from Grapholitha delineana, Melaspora cannabina, Phorodon cannabis, Psylliodes attenuata and Septoria cannabis. Seeds of hemp may be infected by the parasitic Orobanche racemosa L. or hemp killer. The most important non-specific diseases and pests in hemp are: Botrytis cinerea, Ostrinia nubilalis and Sclerotinia sclerotiorum. Yield may also be depressed by Cuscuta europaea L., Fusarium spp., Ditylenchus dipsaci, Tetranychus urticae, some insects of the Noctuidae and
		larvae of Agriotes lineata, Melolontha melolontha and Tipula paludosa. Hemp may also suffer from nematodes such as Meloidogyne hapla in northern Europe and, in northern India Neottolenchus clarus and Quinsulcius similis.
4.07		No evidence found.
4.08		No evidence found.
	1. CAB International, 2010. Cannabis sativa [Author unknown]. Invasive Species Compendium. Wallingford, UK: CAB International. http://www.cabi.org/publishing-products/compendia/.	1. Grows well in bright sunlight. McPartland et al. (2000) describes good plant growth at 14,000-18,000 lx, or 215 W/m.
4.10	1. CAB International, 2010. Cannabis sativa [Author unknown]. Invasive Species Compendium. Wallingford, UK: CAB International. http://www.cabi.org/publishing-products/compendia/.	1. Grows well in nutrient rich, well drained, well structured, silty loam soil with high organic matter. The plant is a nitrophile and requires much nutrients. Able to tolerate dry conditions, although it does not thrive; grows poorly in wetlands or saturated soil.
4.11	1. CAB International, 2010. Cannabis sativa [Author unknown]. Invasive Species Compendium. Wallingford, UK: CAB International. http://www.cabi.org/publishing-products/compendia/.	1. Plants shorter (under 3 m).
4.12	1. CAB International, 2010. Cannabis sativa [Author unknown]. Invasive Species Compendium. Wallingford, UK: CAB International. http://www.cabi.org/publishing-products/compendia/.	1. Densely branched with shorter internodes.
5.01	1. USDA, ARS, National Genetic Resources Program. Germplasm Resources Information Network - (GRIN) [Online Database]. National Germplasm Resources Laboratory, Beltsville, Maryland. http://www.ars-grin.gov/cgi-bin/npgs/html/taxon.pl?409896 (7 August 2014).	1. Family: Cannabaceae (not a parasitic family).
	1. USDA, ARS, National Genetic Resources Program. Germplasm Resources Information Network - (GRIN) [Online Database]. National Germplasm Resources Laboratory, Beltsville, Maryland. http://www.ars-grin.gov/cgi-bin/npgs/html/taxon.pl?409896 (7 August 2014).	1. Family: Cannabaceae (not a parasitic family).
	1. USDA, ARS, National Genetic Resources Program. Germplasm Resources Information Network - (GRIN) [Online Database]. National Germplasm Resources Laboratory, Beltsville, Maryland. http://www.ars-grin.gov/cgi-bin/npgs/html/taxon.pl?409896 (7 August 2014).	1. Family: Cannabaceae (not a parasitic family).
5.04	1. CAB International, 2010. Cannabis sativa [Author unknown]. Invasive Species Compendium. Wallingford , UK: CAB International. http://www.cabi.org/publishing-products/compendia/.	The root system is vigorous and centred by a taproot.

	de l'Afrique tropicale), Wageningen, Netherlands. http://www.prota4u.org/search.asp . Accessed 11 August 2014.	Genetic variability is large. Production of large amounts of pollen and wind pollination tend to lead to extensive genetic exchange between different domesticated types and between domesticated and wild plants.
6.02	1. CAB International, 2010. Cannabis sativa [Author unknown]. Invasive Species Compendium. Wallingford, UK: CAB International. http://www.cabi.org/publishing-products/compendia/. 2. Wulijarni-Soetjipto, N., Subarnas, A., Horsten, S.F.A.J. & Stutterheim, N.C., 1999. Cannabis sativa L.[Internet] Record from Proseabase. de Padua, L.S., Bunyapraphatsara, N. and Lemmens, R.H.M.J. (Editors). PROSEA (Plant Resources of South-East Asia) Foundation, Bogor, Indonesia. http://www.proseanet.org. Accessed from Internet: 11 August 2014.	Seed germinates 3-7 days after absorbing water. 2. Hemp is usually raised from seed. The seed germinates at low temperatures, but not below 1°C.
6.03	1. CAB International, 2010. Cannabis sativa [Author unknown]. Invasive Species Compendium. Wallingford, UK: CAB International. http://www.cabi.org/publishing-products/compendia/. 2. Jansen, P.C.M., 2006. Cannabis sativa L. [Internet] Record from PROTA4U. Schmelzer, G.H. & Gurib-Fakim, A. (Editors). PROTA (Plant Resources of Tropical Africa / Ressources végétales de l'Afrique tropicale), Wageningen, Netherlands. http://www.prota4u.org/search.asp . Accessed 11 August 2014.	
6.04	1. Wulijarni-Soetjipto, N., Subarnas, A., Horsten, S.F.A.J. & Stutterheim, N.C., 1999. Cannabis sativa L.[Internet] Record from Proseabase. de Padua, L.S., Bunyapraphatsara, N. and Lemmens, R.H.M.J. (Editors). PROSEA (Plant Resources of South-East Asia) Foundation, Bogor, Indonesia. http://www.proseanet.org. Accessed from Internet: 11 August 2014.	1. Hemp is normally dioecious, but monoecious cultivars have been bred; the two sexes are normally indistinguishable before flowering. Between plants and in individual plants, flowering is more synchronized at shorter daylength and higher temperatures.
6.05	1. Wulijarni-Soetjipto, N., Subarnas, A., Horsten, S.F.A.J. & Stutterheim, N.C., 1999. Cannabis sativa L.[Internet] Record from Proseabase. de Padua, L.S., Bunyapraphatsara, N. and Lemmens, R.H.M.J. (Editors). PROSEA (Plant Resources of South-East Asia) Foundation, Bogor, Indonesia. http://www.proseanet.org. Accessed from Internet: 11 August 2014.	1. The flowers are wind-pollinated.
6.06	1. Wulijarni-Soetjipto, N., Subarnas, A., Horsten, S.F.A.J. & Stutterheim, N.C., 1999. Cannabis sativa L.[Internet] Record from Proseabase. de Padua, L.S., Bunyapraphatsara, N. and Lemmens, R.H.M.J. (Editors). PROSEA (Plant Resources of South-East Asia) Foundation, Bogor, Indonesia. http://www.proseanet.org. Accessed from Internet: 11 August 2014.	Naturally increasing by vegetative means is not known. 1. Vegetative propagation using cuttings has been successful. However, there are morphological and biochemical differences between plants derived from seed and vegetative propagules.
	1. CAB International, 2010. Cannabis sativa [Author unknown]. Invasive Species Compendium. Wallingford, UK: CAB International. http://www.cabi.org/publishing-products/compendia/.	1. C. sativa is an annual herb, and has a growth period of 2-10 months.
7.01		No evidence found.

7.02	1. CAB International, 2010. Cannabis sativa [Author unknown].	1. Cultivated primarily for drugs but also used for fibre and
	Invasive Species Compendium. Wallingford, UK: CAB	oil.medicine/pharmaceutical.
	International. http://www.cabi.org/publishing-	
	products/compendia/.	
7.03	1. USDA, ARS, National Genetic Resources Program. Germplasm	1. Economic importance: weed (potential seed containment).
	Resources Information Network - (GRIN) [Online Database].	
	National Germplasm Resources Laboratory, Beltsville, Maryland.	
	http://www.ars-grin.gov/cgi-bin/npgs/html/taxon.pl?409896 (7	
	August 2014). IN: Parsons, WT & EG Cuthbertson. Noxious Weeds	
	of Australia. Inkata Press: Melbourne, 1992.	
7.04	1. Anonymous. PlantZAfrica. Cannabis sativa. Accessed 11 August	Marijuana seed is dispersed by wind and water.
	2014. http://www.plantzafrica.com/index.html	
7.05	1. Anonymous. PlantZAfrica. Cannabis sativa. Accessed 11 August	1. Marijuana seed is dispersed by wind and water.
	2014. http://www.plantzafrica.com/index.html	
7.06	1. Anonymous. PlantZAfrica. Cannabis sativa. Accessed 11 August	1. Birds feed on the plant.
	2014. http://www.plantzafrica.com/index.html	
7.07		No evidence found.
7.08	1. Anonymous. PlantZAfrica. Cannabis sativa. Accessed 11 August	1. Deer feed on the plant. 2. Various herbarious animals prey on
	2014. http://www.plantzafrica.com/index.html. 2. Clarke, RC.	Cannabis. Small rodents and birds eat the seeds.
	Marijuana Botany: An Advanced Study: The Propagation and	
	Breeding of Distinctive Cannabis. Berkeley: Ronin Publishing, Inc.,	
	1981.	
8.01	1. CAB International, 2010. Cannabis sativa [Author unknown].	1. C. sativa plants are prolific seeders; nearly half the weight of a
	Invasive Species Compendium. Wallingford , UK: CAB	well-pollinated female turns to seed. For example field-grown
	International. http://www.cabi.org/publishing-	crops yield an average of 400 g seeds per plant, or about 22,000
	products/compendia/.	seeds per plant (McPartland et al., 2000).
8.02	1. Wulijarni-Soetjipto, N., Subarnas, A., Horsten, S.F.A.J. &	1. Healthy seed should give 90% germination, and if properly
	Stutterheim, N.C., 1999. Cannabis sativa L.[Internet] Record from	stored it will remain viable for up to 2 years.
	Proseabase. de Padua, L.S., Bunyapraphatsara, N. and Lemmens,	
	R.H.M.J. (Editors). PROSEA (Plant Resources of South-East Asia)	
	Foundation, Bogor, Indonesia. http://www.proseanet.org.	
	Accessed from Internet: 11 August 2014.	
8.03		No evidence found.
8.04		No evidence found.
8.05		No evidence found.