

## RED LIST ASSESSMENT

### Questionnaire

(please complete one questionnaire per taxon, extra sheets may be used)

#### **1a. Scientific name** (including authority details):

*Lonchocarpus orotinus* Pittier

#### **1b. Synonym/s** (if there has been a taxonomic change in the last 5 years or if widely used)

#### **1c. English Common Name** (if known)

#### **1d. Other Common Names** (if known and state language)

#### **2a. Order**

#### **2b. Family**

FABALES

LEGUMINOSAE- PAPILIONOIDEAE

#### **3. Distribution** (describe the range in terms of countries of occurrence, subcountry units e.g. states, provinces, etc.; for an inland water taxon use the name/s of the lakes, river systems, etc. it occurs in; for a marine taxon use names of estuaries, territorial waters, FAO fisheries areas)

Costa Rica

**Note:** A distribution map showing the Extent of Occurrence **MUST** be attached.

**3a. Red List Assessment** (using the revised 2001 IUCN system), tick (3) one of the following:

<input type="checkbox"/>	Extinct (EX)
<input type="checkbox"/>	Extinct in the Wild (EW)
<input type="checkbox"/>	Critically Endangered (CR)
<input type="checkbox"/>	Endangered (EN)
<input type="checkbox"/>	Vulnerable (VU)
<input type="checkbox"/>	Near Threatened (NT)
<input type="checkbox"/>	Least Concern (LC)
<input checked="" type="checkbox"/>	Data Deficient (DD)
<input type="checkbox"/>	Not Evaluated (NE)

**3b. Fill in the Red List Criteria** met (e.g. A2c+3c; B1ab(iii); D) alongside the appropriate Red List Category


**Note:** If one of the threatened categories is selected (i.e. CR, EN or VU) then **ALL** the criteria, subcriteria and sub-subcriteria met for that category, must be listed in the box provided.

**4. Rationale for the Red List Assessment** (Including whatever population or range information were used, inferences, assumptions, etc. For NT specify what criteria were nearly met and for DD specify what little information is known. Use additional sheets if necessary.)

Undercollected to tree species, known from dry forest area of Guanacaste in Costa Rica, also an old collection in Missouri (MO- TROPICOS) from Guatemala. Status of species requires clarification.

**5. Reason for Change in Red List Assessment from that in the 2000 Red List** (see [www.redlist.org](http://www.redlist.org)) tick (3) at least one of the following:

<input type="checkbox"/>	Genuine change in status of species	<input type="checkbox"/>	New or better information available
<input type="checkbox"/>	Incorrect information used previously	<input type="checkbox"/>	Taxonomic change affecting the species
<input type="checkbox"/>	Previously incorrect application of the Red List Criteria		

**6. Current Population Trend** (tick (3) one of the following):

<input type="checkbox"/>	Increasing	<input type="checkbox"/>	Decreasing	<input type="checkbox"/>	Stable	<input checked="" type="checkbox"/>	X	<input type="checkbox"/>	Unknown
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**7. Date of Assessment** (day/month/year):

5<sup>th</sup> June 2005

**8. Name/s of the Assessor/s**

J E Gordon

**9. Names of the Evaluators - to be filled in By Red List Authority ONLY**  
(at least two, and the name of the Red List Authority)

**10. Brief notes** i.e. a short narrative, on the topics below to complement the information entered above or on the Authority Files in Annex 1 (use additional sheets if required):

**a. Taxonomy** (any taxonomic notes of relevance - optional)

**b. Geographic Range** (including mention of important sites, and if known specify the extent of occurrence and area of occupancy)

Costa Rica

**c. Population** (for example, population size, abundance (rare, scarce, common, etc.), number and size of subpopulations if known, number of locations and degree of fragmentation)

Populations fragmented by agriculture.

**d. Habitat and Ecology** (including particulars about breeding ecology if relevant)

Habitats Authority:

1.5 Subtropical/Tropical Dry Forest

**e. Threats** (the main threats to the species, and if known, the severity and extent)

Fragmentation and conversion of Mexican tropical dry forest.

Threat Auth:

1.1. Agriculture

1.1.1. Crops

1.1.1.1. Shifting agriculture

1.1.1.2. Small-holder farming

1.3.3 Wood

1.3.3.1 Small scale subsistence

**f. Conservation Actions** (including presence in protected areas and national legislation)

Reported from the Gunacaste Conservation Area, Costa Rica

**g. Utilization**

**11. Literature References** (cited in full) used for the assessment and documentation

w<sup>3</sup>Tropicos (2005). Missouri Botanic Gardens, <http://mobot.mobot.org/W3T>.

International Legume Database & Information Service (ILDIS) (2005) <http://www.ildis.org/>

Janzen, D.H. & Liesner, R. (1980) Annotated checklist of plants of lowland Guanacaste Province, Costa Rica, exclusive of grasses and non-vascular cryptograms. *Brenesia*, 18, 15-90.

