

# SLENDER LEAF RATTLEBOX

*Crotalaria ochroleuca*

Fabaceae

## ECHO® 植株信息表

### 描述

*Crotalaria ochroleuca* is an annual herbaceous plant utilized for fiber, forage, and as a green manure cover crop. Reaching heights of 2.5 m, *C. ochroleuca* bears long, slender, trifoliolate leaves and five-petalous blooms (banner, wing, and keel) similar to other legumes.

### 用途

*C. ochroleuca* is most often used for forage and as a green manure cover crop. Grown in rotation with commodity crops, *C. ochroleuca* builds soil nutrition between crops. As a forage crop, young, tender *C. ochroleuca* leaves and stems can supplement animal feeds up to 10% (particular care should be taken to limit ingestion of flowers and seeds as these contain much higher amounts of the antinutritive alkaloid also found in *C. juncea*).

### 通用名称

- 英语
  - Sunn Hemp
  - Slender Leaf Rattlebox
- 法语
  - sonnette
- 斯瓦希里语
  - marajea

### 栽培

- **Elevation** – up to 2000 m
- **Rainfall** – found in floodplains, swamps, and along rivers, though when established also tolerates very dry conditions
- **Soil Types** – unclear
- **Temperature Range** – unclear; intolerant of frost
- **Day Length Sensitivity** – short-day sensitive
- **Light** – prefers full sun

*C. ochroleuca* seed should be planted 2-3 cm deep (preferred, if possible), or broadcast, at a rate up to 25 kg/ha, depending on use. Germination and establishment success can be dependent on moisture conditions and sun exposure (full sun preferred). *C. ochroleuca* does tolerate water-saturated soils much more than its cousin, *C. juncea*. Upon establishment, *C. ochroleuca* requires relatively little management.

### 收获和种子生产

If utilizing as forage, *C. ochroleuca* should be harvested 6-8 weeks after planting. For green manure cover crop use, it is recommended to cut *C. ochroleuca* 10-12 weeks after planting, before full bloom of the stand and before plants become too fibrous to incorporate.

### 病虫害

Can be affected by powery mildew and Fusarium wilt under humid conditions. *C. ochroleuca* has demonstrated ability to suppress some pestilent nematodes.

### 烹饪与营养

Due to antinutritive properties, *C. ochroleuca* is not for human consumption.

### 参考文献

"*Crotalaria ochroleuca* G. Don, Taxonomic Serial No.: 501807." ITIS Standard Report Page: *Crotalaria ochroleuca*, [www.itis.gov/servlet/SingleRpt/SingleRpt?search\\_topic=TSN&search\\_value=501807#null](http://www.itis.gov/servlet/SingleRpt/SingleRpt?search_topic=TSN&search_value=501807#null).

Mkiwa, F.E., Lwoga, A.B., Mosha, R.D., and Matovelo, J.A. 1994. Antinutritional effects of *Crotalaria ochroleuca* (marejea) in animal feed supplements. *Vet Hum Toxicol* 36(2):96-100.