

Crop 19  
Other Pulses with minor importance

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**Sword bean**

*Ganavalia gladiata*

Synonym

- Sword bean, Japanese jack bean, Dao Dou

Area of cultivation

- India (Maharashtra and Karnataka States), Africa-Tropics

Origin

- Difficult to specify but may be Tropical Asia

Botany description

- Sword bean is a perennial leguminous crop mainly cultivated in tropical and warm temperate Asia.
- It is usually grown as an annual crop.
- Leaves are shiny.
- Pod becomes 30cm long and 5cm wide.
- It contains 10-14 seeds.
- Seeds are elliptical and reaches 3cm long

Uses

- Sword bean is usually grown as a fodder, green manure or as a cover crop.
- The young pods and beans are extensively used as vegetables in tropical Asia

Medicinal Uses

- To warm the stomach and check its upward adverse movement

Management

- Season
  - June-July, Sep-Oct, Feb-Mar
- Variety
  - SBS 1,
  - Seed weight -1.30gm/seed
- Seed rate
  - 110-120kg (pure crop)
- Spacing
  - 45 x 30 Or 30 x 20cm
- Fertilizer
  - 25 – 50 – 0 NPK kg /ha