

## Pigeon pea (*Arhar*) (*Cajanus cajan* L.)

**Variety:**

**T-21** is recommended for all zones. It is a semi spreading, medium tall (170-185 cm in height) variety. Crop duration is 170-200 days.

**Time of Sowing:** June – July.

**Soil Type:** Well drained sandy loams to loamy soil are most suitable.

**Land Preparation:** The land is to be ploughed 3-5 times followed by harrowing and removal of weeds.

**Seed Rate:** 12-15 kg/ha or 1.6-2.0 kg/bigha.

**Spacing:** 75cm between rows and 30cm between plants.

**Manures and Fertilizers:** Compost or FYM @ 4.5 t/ha or 6q/bigha is to be applied.

Nutrient	Requirement (kg/ha)	Form	Fertilizer requirement	
			kg/ha	kg/bigha
<b>Without Rhizobium culture*</b>				
N	15	Urea	32	4
P <sub>2</sub> O <sub>5</sub>	40	SSP	250	35
K <sub>2</sub> O	0	MOP	-	-
<b>With Rhizobium culture</b>				
N	10	Urea	22	3
P <sub>2</sub> O <sub>5</sub>	40	SSP	250	35
K <sub>2</sub> O	0	MOP	-	-

**Interculture:** One weeding is to be done at 20-25 day safter sowing.

**Use of honey bee in pigeon pea field for yield enhancement:**

Installation of five (5) *Apis cerena* colonies/ha (1 colony/bigha) gives effective yield in pigeon pea.

**Plant Protection:**

**A. Diseases:**

**Wilt:** The pathogen inhabits in the soil and perpetuates. Rogueing and burning of diseased plants partly help in controlling the disease.

**Average Yield:** 12-15q/ha.

**Inter cropping of *Arhar* with Greengram, Blackgram and Sesamum:**

Intercropping of *arhar* with greengram/blackgram and sesame for the hill slope (20-25%) either in single/ double row or broadcasting in between rows of arharis recommended. The crops are to be sown in lines across the slope. A basal dose of 15 kg N and 40 kg P<sub>2</sub>O<sub>5</sub>/ha are to be applied. To get optimum yield from both main and inter crop, the crops should be sown within last week of July to first week of August.