

Key Pests and Diseases



Ridge Sowing of Pigeonpea for the management of Phytophthora blight

Tur pod fly (*Melanagromyza obtusa*), pod borer (*Helicoverpa armigera*), plume moth (*Exelastis atomosa*), *Euchrysops cnejus*, legume pod borer (*Maruca vitrata*), green stink bug (*Nezara viridula*), pod sucking bug (*Clavigralla gibbosa*), phytophthora blight, etc.

IPM Module

- Undertake deep summer ploughing to destroy immature stages and pathogen propagules.
- To control pigeon pea wilt, prior to sowing, undertake soil application of *Trichoderma harzianum* @ 10 g in 1 kg of FYM.
- Grow high yielding varieties with pest/disease tolerance like Asha (ICPL-87119) -wilt and pigeon pea sterility mosaic tolerant for Andhra Pradesh and Karnataka, and Bahar for Varanasi area of UP.
- Sow crop on ridges for suppression of *Phytophthora* disease at Varanasi (Uttar Pradesh).
- During September, install in the fields pheromone traps @ 10/ha.
- Erect bird perches @ 25/ha for facilitating predation of *Helicoverpa* larvae.
- Undertake one spray of neem oil (2%).
- Apply Neem Seed Kernel Extract (5%) each in September and October.
- When small larvae are noticed, spray *HaNPV* @ 500 ml/ ha (2×10^9 POB/ml) in September and October.

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- Shake plants for 4-5 times a day starting from October.
- Undertake need based spray of Endosulfan @ 2 litre/ha in areas around Varanasi, UP.