



Caterpilin for management of pod & seed in Pigeon pea
Caterpilin-*Bacillus thuringiensis* for management of pests

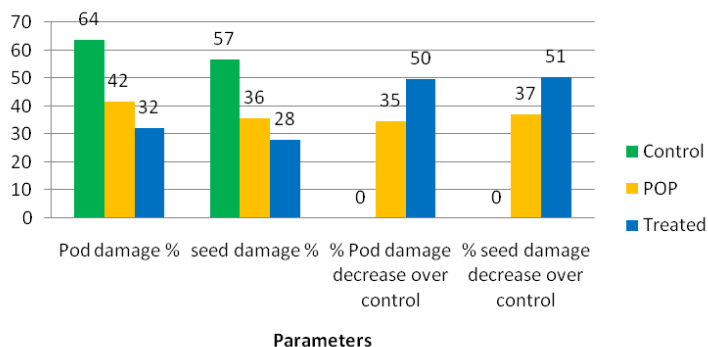


Protocol:

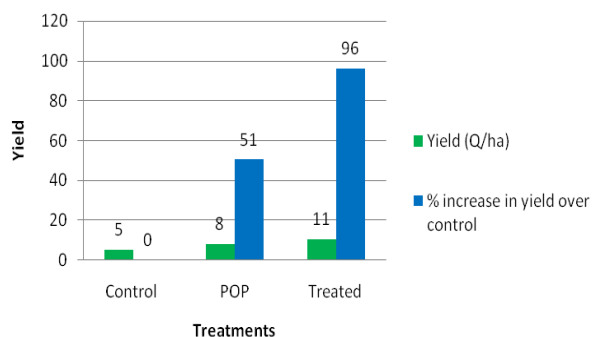
Crop: Pigeon Pea
Institute: University of Agricultural Sciences
Year of trial: 2012-13
Trial No: DR/T3/Kanbiosys/09-10/2012-13
Product: Caterpilin-*Bacillus thuringiensis*
Application: Three sprays @ 1.0g/L at 30, 60 and 90 days after sowing.

Parameters	Control	POP	Treated
Pod damage %	64	42	32
seed damage %	57	36	28
% Pod damage decrease over control	0	35	50
% seed damage decrease over control	0	37	51
Yield (kg/ha)	541	814	1062
% increase in yield over control	0	51	96

Effect of Caterpilin in Pigeon Pea



Effect on Yield



Conclusion:

1. Three sprays of Caterpilin @ 0.5 g/L effectively controlled pod & seed damage by 36% & 34% respectively in pigeon pea.
2. Three sprays of Caterpilin @ 1.0 g/L effectively controlled pod & seed damage by 64% & 57% respectively in pigeon pea.
3. Spraying of Caterpilin @ 0.5 to 1.0 g/L significantly increased yield up to 72.33 % & 96.21 respectively than control treatment
4. Caterpilin did not show any phytotoxic effect on pigeon pea when sprayed at a dose up to 2 g/Lt.

