



Brinjal Fruit and Shoot Borer

Leucinodes orbonalis Vernacular Name: Thandu Matrum Kai Thulaipan.

	Prevention	Monitoring	Direct Control	Direct Control	Restrictions
	<ul style="list-style-type: none"> • Grow less susceptible varieties like Pusa Purple Round, Brinjal Long green, Pusa purple cluster, Brinjal round white and Annamalai. In general, short and cylindrical varieties are more susceptible when compared to long and elongated varieties. • Avoiding mono-cropping of Brinjal. • Adjust the time of transplanting at fourth week of June. 	<ul style="list-style-type: none"> • Observe burrows in the petiole and tender shoots. Later drooping of leaves and shedding of flower buds. • Observe for bore holes in the fruits. • Observe the ETL @ 5% fruit damage. 	<ul style="list-style-type: none"> • Carry out shoot clipping at weekly interval • Collect and destroy the affected terminal shoots showing bore holes and fruits. • Release the larval parasitoid <i>Pristomers testaceus</i> or <i>Cremastus flavoorbitalis</i> • Install pheromone traps @ 4 per acre. • Soil application of Neem cake @ 25 gms per plant 45 days after transplanting. • Spray Azadirachtin 0.03% @ 3ml/ litre, from one month after transplanting at 15 days interval 	<ul style="list-style-type: none"> • Avoid using synthetic pyrethroids • Dip the roots of seedlings for three hours in Imidacloprid @ 1ml/litre before transplanting. • On severe infestation, foliar application of Chlorantraniliprole 18.5% SC @ 0.75 ml/ litre. • Spray Carbaryl 50 WP @ 2g/ litre from one month after transplanting at 15 days interval • Foliar application of Carbosulfon 25% EC @ 3.5 ml/litre (or) Cartap hydrochloride 50% SP @ 3 gm / litre (or) Emamectin Benzoate 5% WG @ 1 gm/ litre twice at the interval of 15 days. 	<ul style="list-style-type: none"> • WHO Class II (Moderately hazardous) • WHO Class U (Unlikely to present acute hazard in normal use) • WHO Class II (Moderately hazardous) • Carbosulfan and Cartap- WHO Class II (Moderately hazardous) Emamectin Benzoate- not classified by WHO but considered toxic and should be used with care.

Shoot Borer. Photo by TNAU AGRITECH PORTAL

Shoot Borer larva. Photo by TNAU AGRITECH PORTAL



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