

Helicoverpa in sorghum

Potential yield loss

Sorghum crop value (\$/t)	Value of potential yield loss (\$/ha)*							
	0.5 larvae/hd	1 larvae/hd	1.5 larvae/hd	2 larvae/hd	2.5 larvae/hd	3 larvae/hd	3.5 larvae/hd	4 larvae/hd
100	12	24	36	48	60	72	84	96
150	18	36	54	72	90	108	126	144
200	24	48	72	96	120	144	168	192
250	30	60	90	120	150	180	210	240
300	36	72	108	144	180	216	252	288

*based on potential yield loss estimate per larva/head = 2.4 g or 24 kg/ha at 10 head/m row and 1 m row spacing (100,000 head per ha).

Economic threshold

Control cost (\$/ha)	Sorghum grain value (\$/t)				
	\$100	\$150	\$200	\$250	\$300
\$15	0.63	0.42	0.31	0.25	0.21
\$20	0.83	0.56	0.42	0.33	0.28
\$25	1.04	0.69	0.52	0.42	0.35
\$30	1.25	0.83	0.63	0.50	0.42
\$35	1.46	0.97	0.73	0.58	0.49
\$40	1.67	1.11	0.83	0.67	0.56