

Chickpea

Helicoverpa in chickpea

Potential yield loss (beatsheet)

Chickpea price (\$/t)	Value of potential yield loss (\$/ha)*				
	1 larva/m ²	2 larva/m ²	3 larva/m ²	4 larva/m ²	5 larva/m ²
200	4	8	12	16	20
300	6	12	18	24	30
400	8	16	24	32	40
500	10	20	30	40	50
600	12	24	36	48	60

* Potential yield loss estimate per larva/m² = 20 kg/ha (QDAFF)

Economic threshold (beatsheet)

Cost of control (\$/ha)	Chickpea crop value (\$/t)							
	200	250	300	350	400	450	500	550
10	2.5	2.0	1.7	1.4	1.3	1.1	1.0	0.9
15	3.8	3.0	2.5	2.1	1.9	1.7	1.5	1.4
20	5.0	4.0	3.3	2.9	2.5	2.2	2.0	1.8
25	6.3	5.0	4.2	3.6	3.1	2.8	2.5	2.3
30	7.5	6.0	5.0	4.3	3.8	3.3	3.0	2.7
35	8.8	7.0	5.8	5.0	4.4	3.9	3.5	3.2
40	10.0	8.0	6.7	5.7	5.0	4.4	4.0	3.6

Potential yield loss (sweep net sampling)

Chickpea price (\$/t)	Value of potential yield loss (\$/ha)*				
	1 larva/10 sweeps	2 larva/10 sweeps	3 larva/10 sweeps	4 larva/10 sweeps	5 larva/10 sweeps
200	6	12	18	24	30
300	9	18	27	36	45
400	12	24	36	48	60
500	15	30	45	60	75
600	18	36	54	72	90

*potential yield loss estimate per larva per 10 sweeps = 30 kg/ha (DAFWA)

Economic threshold (beatsheet)

Cost of control (\$/ha)	Chickpea crop value (\$/t)							
	200	250	300	350	400	450	500	550
10	1.7	1.3	1.1	1.0	0.8	0.7	0.7	0.6
15	2.5	2.0	1.7	1.4	1.3	1.1	1.0	0.9
20	3.3	2.7	2.2	1.9	1.7	1.5	1.3	1.2
25	4.2	3.3	2.8	2.4	2.1	1.9	1.7	1.5
30	5.0	4.0	3.3	2.9	2.5	2.2	2.0	1.8
35	5.8	4.7	3.9	3.3	2.9	2.6	2.3	2.1
40	6.7	5.3	4.4	3.8	3.3	3.0	2.7	2.4