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Sarinena 3
Cry1Ab Ostrinia nubilalis 2021-2022 IbNE

28.22 ng/cm ²	nL in	dead	L1	L2	L3	L4
	16	1	15			
	16	1	14	1		
	16		15	1		
	16		16			
Control	4				4	
	8				8	

neg Control	nL in	dead	L1	L2	L3	L4
	4				4	
	8				8	

MON 810	nL in	dead	L1	L2
	200	200		
	400	400		
	400	400		
	1000	1000		

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Candasnos 2
Cry1Ab Ostrinia nubilalis 2021-2022 IbNE

28.22 ng/cm²

nL in	dead	L1	L2	L3	L4
16		16			
16		16			
Control	8			8	

neg Control

nL in	dead	L1	L2	L3
8				8

MON 810

nL in	dead	L1	L2
200	200		

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Candasnose 3
Cry1Ab Ostrinia nubilalis 2021-2022 IbNE

28.22 ng/cm ²	nL in	dead	L1	L2	L3	L4
	16	1	15			
	16		16			
	16		16			
	16		16			
	16	1	15			
	16		16			
	16		16			
	16		16			
	16		16			
	16	1	15			
	16		16			
	16		16			
	16		16			
	16	1	15			
Control	4				4	
	8				8	
	16				12	
	8				6	
	8				8	

neg Control	nL in	dead	L1	L2	L3
	4				4
	8				8
	16				16
	8				8
	7			1	6

MON 810	nL in	dead	L1	L2
	150	150		
	300	300		
	300	300		
	300	300		
	150	150		

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Candasnos 5
Cry1Ab Ostrinia nubilalis 2021-2022 IbNE

28.22 ng/cm²

nL in	dead	L1	L2	L3	L4
16	1	15			
16	1	15			
16		16			
16		16			
16		16			
16	1	15			
16		16			
16		16			
16		16			
16		16			
16		16			
16		16			
16		16			
16		16			
16		14	2		
16		15	1		
16		15	1		
16		14	2		
16		16			
16		14	2		
16		15	1		
16		15	1		
15		14	1		
14		12	2		
16		15	1		
15		15			
16	1	15			
8				8	
16				12	4
16	1			10	5
16			1	13	2

Control

neg Control

nL in	dead	L1	L2	L3
8				8
16				16
16			2	14
16	1		2	13

MON 810

nL in	dead	L1	L2
250	250		
300	300		
300	300		
350	350		

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Ref

Es Ref

28.22 ng/cm²

nL in	dead	L1	L2	L3	L4
16	2	14			
16		16			
16	1	15			
16	2	14			
16	1	15			
16	2	14			
16		16			
16	1	15			
control				16	
				16	
				16	
				16	

G04

28.22 ng/cm²

nL in	dead	L1	L2	L3	L4
16	3	13			
16	1	15			
16	1	15			
16	1	15			
16	1	15			
16		16			
16	1	15			
16		16			
control				16	
			2	14	
				16	
				16	

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2022_22_03	G.04	2d	monitoring	21	cry1Ab	toxin	20.000	1	1	#REF!
2022_22_03	G.04	2d	monitoring	22	cry1Ab	toxin	20.000	1	1	#REF!
2022_22_03	G.04	2d	monitoring	23	cry1Ab	toxin	20.000	1	1	#REF!
2022_22_03	G.04	2d	monitoring	24	cry1Ab	toxin	20.000	1	1	#REF!
2022_22_03	G.04	2d	monitoring	25	cry1Ab	toxin	20.000	1	1	#REF!
2022_22_03	G.04	2d	monitoring	26	cry1Ab	toxin	20.000	0		#REF!
2022_22_03	G.04	2d	monitoring	27	cry1Ab	toxin	20.000	1	1	#REF!
2022_22_03	G.04	2d	monitoring	28	cry1Ab	toxin	20.000	1	1	#REF!
2022_22_03	G.04	2d	monitoring	29	cry1Ab	toxin	20.000	1	1	#REF!
2022_22_03	G.04	2d	monitoring	30	cry1Ab	toxin	20.000	1	1	#REF!
2022_22_03	G.04	2d	monitoring	31	cry1Ab	toxin	20.000	2	1	1 #REF!
2022_22_03	G.04	2d	monitoring	32	cry1Ab	toxin	20.000	0		#REF!
2022_22_03	G.04	2d	monitoring	1	cry1Ab	toxin	28.220	0		#REF!
2022_22_03	G.04	2d	monitoring	2	cry1Ab	toxin	28.220	1	1	#REF!
2022_22_03	G.04	2d	monitoring	3	cry1Ab	toxin	28.220	1	1	#REF!
2022_22_03	G.04	2d	monitoring	4	cry1Ab	toxin	28.220	1	1	#REF!
2022_22_03	G.04	2d	monitoring	5	cry1Ab	toxin	28.220	1	1	#REF!
2022_22_03	G.04	2d	monitoring	6	cry1Ab	toxin	28.220	0		#REF!
2022_22_03	G.04	2d	monitoring	7	cry1Ab	toxin	28.220	1	1	#REF!
2022_22_03	G.04	2d	monitoring	8	cry1Ab	toxin	28.220	1	1	#REF!
2022_22_03	G.04	2d	monitoring	9	cry1Ab	toxin	28.220	1	1	#REF!
2022_22_03	G.04	2d	monitoring	10	cry1Ab	toxin	28.220	0		#REF!
2022_22_03	G.04	2d	monitoring	11	cry1Ab	toxin	28.220	1	1	#REF!
2022_22_03	G.04	2d	monitoring	12	cry1Ab	toxin	28.220	0		#REF!
2022_22_03	G.04	2d	monitoring	13	cry1Ab	toxin	28.220	1	1	#REF!
2022_22_03	G.04	2d	monitoring	14	cry1Ab	toxin	28.220	1	1	#REF!
2022_22_03	G.04	2d	monitoring	15	cry1Ab	toxin	28.220	1	1	#REF!
2022_22_03	G.04	2d	monitoring	16	cry1Ab	toxin	28.220	1	1	#REF!
2022_22_03	G.04	2d	monitoring	17	cry1Ab	toxin	28.220	1	1	#REF!
2022_22_03	G.04	2d	monitoring	18	cry1Ab	toxin	28.220	1	1	#REF!
2022_22_03	G.04	2d	monitoring	19	cry1Ab	toxin	28.220	0		#REF!
2022_22_03	G.04	2d	monitoring	20	cry1Ab	toxin	28.220	0		#REF!
2022_22_03	G.04	2d	monitoring	21	cry1Ab	toxin	28.220	1	1	#REF!
2022_22_03	G.04	2d	monitoring	22	cry1Ab	toxin	28.220	1	1	#REF!
2022_22_03	G.04	2d	monitoring	23	cry1Ab	toxin	28.220	1	1	#REF!
2022_22_03	G.04	2d	monitoring	24	cry1Ab	toxin	28.220	1	1	#REF!
2022_22_03	G.04	2d	monitoring	25	cry1Ab	toxin	28.220	0		#REF!
2022_22_03	G.04	2d	monitoring	26	cry1Ab	toxin	28.220	1	1	#REF!
2022_22_03	G.04	2d	monitoring	27	cry1Ab	toxin	28.220	1	1	#REF!
2022_22_03	G.04	2d	monitoring	28	cry1Ab	toxin	28.220	0		#REF!
2022_22_03	G.04	2d	monitoring	29	cry1Ab	toxin	28.220	1	1	#REF!
2022_22_03	G.04	2d	monitoring	30	cry1Ab	toxin	28.220	1	1	#REF!
2022_22_03	G.04	2d	monitoring	31	cry1Ab	toxin	28.220	1	1	#REF!
2022_22_03	G.04	2d	monitoring	32	cry1Ab	toxin	28.220	1	1	#REF!

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Summary

Zone	Coll. Site	Test	n	L in	dead	L1	L2	L3	L4	MI [%]	MORT [%]				
1	Sarinenena 3	Cry1Ab	64	2	60	2	0	0	96.88	3.13		64	1088		
		Control	12	0	0	0	12	0	0.00	0.00		12			
		neg control	12	0	0	0	12	0	0.00	0.00		12			
		pos control	1000	1000	0	0	0	0	100.00	100.00		1000			
	Sarinenena 9	Cry1Ab	512	43	468	1	0	0	99.80	8.40		512		2140	
		Control	64	1	0	2	58	3	1.56	1.56		64			
		neg control	64	0	0	0	64	0	0.00	0.00		64			
		pos control	1500	1500	0	0	0	0	100.00	100.00		1500			
	2	Candasnos 1	Cry1Ab	224	0	221	3	0	0	98.66	0.00			224	1112
			Control	44	0	0	1	37	6	0.00	0.00			44	
			neg control	44	0	0	0	44	0	0.00	0.00			44	
			pos control	800	800	0	0	0	0	100.00	100.00			800	
Candasnos 2		Cry1Ab	32	0	32	0	0	0	100.00	0.00		32	248		
		Control	8	0	0	0	8	0	0.00	0.00		8			
		neg control	8	0	0	0	8	0	0.00	0.00		8			
		pos control	200	200	0	0	0	0	100.00	100.00		200			
Candasnos 3		Cry1Ab	224	4	220	0	0	0	100.00	1.79		224	1511		
		Control	44	0	0	0	38	6	0.00	0.00		44			
		neg control	43	0	0	1	42	0	0.00	0.00		43			
		pos control	1200	1200	0	0	0	0	100.00	100.00		1200			
Candasnos 4		Cry1Ab	168	4	163	1	0	0	99.40	2.38		168	1272		
		Control	52	0	0	0	47	5	0.00	0.00		52			
		neg control	52	0	0	4	48	0	0.00	0.00		52			
		pos control	1000	1000	0	0	0	0	100.00	100.00		1000			
Candasnos 5		Cry1Ab	428	4	410	14	0	0	96.73	0.93		428	1740		
		Control	56	1	0	1	43	11	1.79	1.79		56			
		neg control	56	1	0	2	53	0	1.79	1.79		56			
		pos control	1200	1200	0	0	0	0	100.00	100.00		1200			
Lab		Es Ref	Cry1Ab	128	9	119	0	0	0	100.00	7.03		9111	9111	
			control	64	0	0	0	64	0	0.00	0.00				
		G04	Cry1Ab	128	8	120	0	0	0	100.00	6.25				
			control	64	0	0	2	62	0	0.00	0.00				

all larvae that reached the 2nd larval stage in the Cry1Ab bioassay died within 7 days when fed with MON810 leaves

	n							% dead				
	n	L in	dead	L1	L2	L3	L4		L1	L2	L3	L4
Sum of larvae exposed to Cry1Ab	1652	57	1574	21	0	0		3.45				
Sum of larvae used as control	280	2	0	4	243	31		0.71	95.28	1.27	0.00	0.00
Sum of larvae used as negative control	279	1	0	7	271	0		0.36	0.00	1.43	86.79	11.07
Sum of larvae exposed to maize ex	6900	6900	0	0	0	0		100.00	0.00	2.51	97.13	0.00
Total number of larvae tested:	9111								0.00	0.00	0.00	0.00

Coll. Site	Test	n	L in	dead	L1	L2	L3	L4	MI [%]	MORT [%]
Zone 1	Cry1Ab	576	45	528	3	0	0	98.34	5.76	
	Control	76	1	0	2	70	3	0.78	0.78	
	neg control	76	0	0	0	76	0	0.00	0.00	
	pos control	2500	2500	0	0	0	0	100.00	100.00	
Zone 2	Cry1Ab	1076	12	1046	18	0	0	98.33	1.12	
	Control	204	1	0	2	173	28	0.49	0.49	
	neg control	203	1	0	7	195	0	0.49	0.49	
	pos control	4400	4400	0	0	0	0	100.00	100.00	