

Table 3. Biologicals, essential oils, and other biorationale pesticides registered for insects and mites in sugar beet

Active Ingredient	Trade Name	Aphids	Armyworm	Beet leafhopper	Blister beetle	Carrion Beetle	Cutworm	Flea beetle	Garden symphylan	Grasshopper	Leafminer	Looper	Lygus bug	Saltmarsh caterpillar	Spider mite	Stink bug	Sugar beet crown borer	Sugar beet root aphid	Sugar beet root maggot (larvae)	Sugar beet root maggot (adults)	Webworm	White grub	Wireworm	Insecticide Group	Signal Word	REI	PHI (d)	OMRI	
azadirachtin	Aza-Direct (Gowan), others	X	X	X			X	X			X	X	X	X	X	X								UN	C	4 h		x	
azadirachtin	Azatin-O (OHP), others	X	X	X	X		X	X		X	X	X	X	X		X					X		X	UN	C	4 h		x	
Bacillus thuringiensis aizawai	Agree WG (Certis)		X									X												11 A	C	4 h	0	x	
Bacillus thuringiensis aizawai	XenTari (Valent)		X				X					X		X							X			11 A	C	4 h		x	
Bacillus thuringiensis kurstaki	BioBit HP (Valent), Crymax (Certis), others		X				X					X		X							X			11 A	C	4 h	0	x	
Beauveria bassiana	BotaniGard 22 WP and BotaniGard ES (Certis), Mycotrol ESO and WPO (Certis), others	X	X	X				X		X		X	X		X	X		X					X	X	UN F	C	4 h	0	x
Burkholderia spp	Venerate CG (Marrone Bio)	X	X	X			X					X	X	X	X	X		X	X		X	X	X	UN B	C	4 h	0	x	
Burkholderia spp	Venerate XC (Marrone Bio)	X	X									X												UN B	C	4 h	0	x	

