

Colony #	Management Strategies (MS)	Acute bee paralysis virus (ABPV)					Black queen cell virus (BQCV)					Chronic bee paralysis virus (CBPV)					Deformed wing virus (DWW)					Israeli acute paralysis virus (IAPV)					Kashmir bee virus (KBV)					Sac brood virus (SBV)									
		May 2016	June	July	August	May 2017	May 2016	June	July	August	May 2017	May 2016	June	July	August	May 2017	May 2016	June	July	August	May 2017	May 2016	June	July	August	May 2017	May 2016	June	July	August	May 2017	May 2016	June	July	August	May 2017					
206	Control MS	-	-	N/A*	-	-	+	+	N/A*	-	+	-	-	N/A*	-	-	-	-	N/A*	-	-	-	-	N/A*	-	-	-	-	N/A*	-	-	-	-	N/A*	-	-	+	+	N/A*	-	+
221		-	-	-	-	-	+	+	+	-	+	-	-	-	N/A*	-	-	-	-	N/A*	-	-	-	-	N/A*	-	-	-	-	N/A*	-	+	+	-	N/A*	-					
378		-	-	-	N/A*	-	+	+	+	+	+	-	-	-	N/A*	-	-	-	-	N/A*	-	-	+	+	-	Dead ¹	-	+	-	-	-	+	+	-	N/A*	-					
500		-	-	-	-	Dead ¹	+	+	+	+	+	-	-	-	-	Dead ¹	-	-	-	-	-	-	-	+	-	-	-	+	+	-	Dead ¹	-	-	-	-	-	+	+	-	+	Dead ¹
574		-	-	N/A*	-	-	+	+	N/A*	+	+	-	-	N/A*	-	-	-	-	N/A*	-	-	-	-	N/A*	-	-	-	-	N/A*	-	-	-	-	N/A*	-	-	+	+	+	+	+
316	Blueberry MS	-	-	-	-	-	+	+	+	+	+	-	-	-	-	-	-	-	-	-	-	+	+	+	-	-	+	-	-	-	-	+	+	+	+	-					
361		-	-	-	-	-	+	+	+	+	+	-	-	-	-	-	-	-	-	-	-	+	+	+	-	-	+	-	-	-	-	+	+	+	+	-					
469		-	-	-	-	-	+	+	+	+	+	-	-	-	-	-	-	-	-	-	-	+	+	+	-	-	+	-	-	-	-	+	+	+	+	-					
582		-	-	-	-	-	+	+	+	+	+	-	-	-	-	-	-	-	-	-	-	+	+	+	-	-	+	-	-	-	-	+	+	+	+	-					
596		-	-	-	-	-	+	+	+	+	+	-	-	-	-	-	-	-	-	-	-	+	+	+	-	-	+	-	-	-	-	+	+	+	+	-					
485	Cranberry MS	-	-	-	-	Dead ¹	+	+	+	+	Dead ¹	-	-	-	-	Dead ¹	-	-	+	+	Dead ¹	+	-	-	-	Dead ¹	+	-	-	-	Dead ¹	+	+	+	+	Dead ¹					
492		-	-	-	N/A*	-	+	+	+	N/A*	-	-	-	-	N/A*	-	-	-	-	N/A*	-	+	-	-	N/A*	Dead ¹	+	-	-	N/A*	Dead ¹	+	+	+	N/A*	-					
573		-	-	N/A*	-	-	+	+	N/A*	+	+	-	-	N/A*	-	-	-	-	N/A*	+	-	-	-	N/A*	+	-	+	-	N/A*	-	-	+	+	N/A*	+	-					
578		-	-	-	-	-	+	+	+	+	+	-	-	-	-	-	-	-	+	-	-	-	-	+	-	-	-	-	+	-	-	+	+	+	+	-					
587		-	-	-	-	Dead ¹	+	+	+	+	Dead ¹	-	-	-	-	Dead ¹	-	-	+	+	Dead ¹	-	-	+	-	Dead ¹	-	-	+	-	Dead ¹	+	+	+	+	Dead ¹					
200	Double MS	-	-	N/A*	-	Dead ¹	+	+	N/A*	+	Dead ¹	-	-	N/A*	-	Dead ¹	-	+	N/A*	-	Dead ¹	-	+	N/A*	-	Dead ¹	-	-	N/A*	-	Dead ¹	+	+	N/A*	+	Dead ¹					
488		-	-	-	-	-	+	+	+	+	+	-	-	-	-	-	-	-	+	-	-	-	-	+	-	-	-	-	+	-	-	+	+	+	+	-					
516		-	-	-	-	-	+	+	+	+	+	-	-	-	-	-	-	-	+	-	-	-	-	+	-	-	-	-	+	-	-	+	+	+	+	-					
546		-	-	-	-	-	+	+	+	+	+	-	-	-	-	-	-	-	+	-	-	-	-	+	-	-	-	-	+	-	-	+	+	+	+	-					
598		-	-	-	-	-	+	+	+	+	+	-	-	-	-	-	-	-	+	-	-	-	-	+	-	-	-	-	+	-	-	+	+	+	+	-					

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221		-	-	-	-	-	+	+	+	+	+	-	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
378		-	-	-	-	Dead ¹	+	+	+	+	Dead ¹	+	+	+	+	Dead ¹	+	+	+	+	Dead ¹	+	+	+	+	Dead ¹	+	+	+	+	Dead ¹	+	+	+	+	Dead ¹
500		-	-	-	+	-	+	+	+	+	+	-	-	+	+	+	-	-	+	+	+	-	-	+	+	+	-	-	+	+	+	+	+	+	+	+
574		-	-	-	-	-	+	+	+	+	+	-	-	+	+	+	-	-	+	+	+	-	-	+	+	+	-	-	+	+	+	+	+	+	+	+
316	Blueberry MS	-	-	-	-	-	+	+	+	+	+	-	-	+	+	+	-	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
361		-	-	-	-	-	+	+	+	+	+	-	-	+	+	+	-	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
469		-	-	-	-	-	+	+	+	+	+	-	-	+	+	+	-	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
582		-	-	-	-	-	+	+	+	+	+	-	-	+	+	+	-	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
596		-	-	-	-	-	+	+	+	+	+	-	-	+	+	+	-	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
485	Cranberry MS	-	-	-	-	Dead ¹	+	+	+	+	Dead ¹	-	+	-	-	Dead ¹	-	-	+	+	Dead ¹	+	+	+	+	Dead ¹	+	+	+	+	Dead ¹	+	+	+	+	Dead ¹
492		-	-	-	-	Dead ¹	+	+	+	+	Dead ¹	-	-	-	-	Dead ¹	-	-	-	-	Dead ¹	+	+	+	+	Dead ¹	+	+	+	+	Dead ¹	+	+	+	+	Dead ¹
573		-	-	-	-	+	+	+	+	+	+	-	-	-	-	-	-	-	+	+	+	-	-	+	+	+	+	+	+	+	+	+	+	+	+	+
578		-	-	-	-	-	+	+	+	+	+	-	-	-	-	-	-	-	+	+	+	-	-	+	+	+	+	+	+	+	+	+	+	+	+	+
587		-	-	-	-	Dead ¹	+	+	+	+	Dead ¹	-	-	-	-	Dead ¹	-	-	-	-	Dead ¹	-	-	+	+	Dead ¹	-	-	+	+	Dead ¹	+	+	+	+	Dead ¹
200	Double MS	-	-	-	-	Dead ¹	+	+	+	+	Dead ¹	-	-	-	+	Dead ¹	-	-	+	-	Dead ¹	+	+	+	+	Dead ¹	+	+	+	+	Dead ¹	+	+	+	+	Dead ¹
488		-	-	-	-	-	+	+	+	+	+	-	-	-	-	-	-	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
516		-	-	-	-	-	+	+	+	+	+	-	-	-	-	-	-	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
546		-	-	-	-	-	+	+	+	+	+	-	-	-	-	-	-	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
598		-	-	-	-	-	+	+	+	+	+	-	-	-	-	-	-	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

"+" indicates the virus was detected and "-" indicates the virus was not present
 * N/A indicates there was no larvae in the colony at the moment of the sampling
¹ "Dead" indicates the colony has died over the winter 2016-2017