

**Appendix B2**  
**Pesticide Formulations Tested in the LLNA - Comparative Data (Sorted**  
**Alphabetically)**

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Substance Name	Formulation Type	LLNA Conc. tested (%)	LLNA Stx	LLNA EC <sub>50</sub> (%)	LLNA Vehicle	LLNA Mouse strain	LLNA Result	LLNA Reference	Overall LLNA Result <sup>1</sup> (Majority)	Overall GP Call (F)	Overall GP Call (Any) <sup>2</sup>	Overall GP Call (AI) <sup>2</sup>	Overall BT Call (AI) <sup>2</sup>	Overall GPMIT Call (AI) <sup>2</sup>	Overall GP Call (RC/RE) <sup>2</sup>	GP Reference	
Formulation 19	EC	1, 10, 25, 50	4,9,7,9,20,50,5	0.0	1% L92	BALB/c	+	Submitted by Dow AgroSciences	+	NA	+	+	-	-	-	Submitted by Dow AgroSciences	
Formulation 20	SE	5, 20, 80	2, 3, 4, 15, 8	NC	1% L92	BALB/c	-	Submitted by Dow AgroSciences	-	-	+	-	-	-	NA	Submitted by Dow AgroSciences	
Formulation 2	SE	2, 10, 50	1, 1, 1, 4, 3, 3	0.4	1% L92	BALB/c	+	Submitted by Dow AgroSciences	+	NA	+	+	-	-	NA	Submitted by Dow AgroSciences	
Formulation 21	TK	5, 25, 100	1, 3, 1, 2, 1, 9	NC	1% L92	BALB/c	-	Submitted by Dow AgroSciences	-	NA	+	-	-	-	NA	Submitted by Dow AgroSciences	
Formulation 22	ME	5, 25, 100	1, 2, 1, 4, 5, 8	0.5	1% L92	BALB/c	+	Submitted by Dow AgroSciences	+	NA	+	+	+	-	NA	Submitted by Dow AgroSciences	
Formulation 23	SL	5, 25, 100	0, 8, 1, 1	NC	1% L92	BALB/c	-	Submitted by Dow AgroSciences	-	NA	+	+	+	+	NA	Submitted by Dow AgroSciences	
Formulation 24	OD	2, 10, 50	1, 4, 4, 1, 11, 7	0.1	1% L92	BALB/c	+	Submitted by Dow AgroSciences	+	NA	+	NA	NA	NA	+	Submitted by Dow AgroSciences	
Formulation 25	EC	1, 5, 25	1, 8, 2, 6, 14, 7	0.1	1% L92	BALB/c	+	Submitted by Dow AgroSciences	+	NA	+	+	-	+	NA	Submitted by Dow AgroSciences	
Formulation 26	EC	1, 5, 25	1, 1, 4	0.2	1% L92	BALB/c	+	Submitted by Dow AgroSciences	+	NA	+	+	+	+	NA	Submitted by Dow AgroSciences	
Formulation 27	EC	1, 5, 25	2, 3, 2, 5, 11, 2	0.1	1% L92	BALB/c	+	Submitted by Dow AgroSciences	+	NA	-	-	-	-	NA	Submitted by Dow AgroSciences	
Formulation 28	SC	5, 25, 100	1, 1, 1, 1	NC	1% L92	BALB/c	-	Submitted by Dow AgroSciences	-	NA	+	-	-	NA	NA	Submitted by Dow AgroSciences	
Formulation 29	SC	5, 25, 100	1, 8, 1, 6, 1, 5	NC	1% L92	CBAJ	-	Submitted by Dow AgroSciences	-	NA	+	+	NA	+	+	Submitted by Dow AgroSciences	
Formulation 3	SC	5, 20, 80	1, 1, 2, 1, 7	NC	1% L92	BALB/c	-	Submitted by Dow AgroSciences	-	-	+	-	-	-	NA	Submitted by Dow AgroSciences	
Formulation 30	EW	5, 25, 100	1, 8, 7, 2, 13, 6	0.1	1% L92	CBAJ	+	Submitted by Dow AgroSciences	+	NA	+	+	+	+	NA	Submitted by Dow AgroSciences	
Formulation 31	CS	5, 25, 100	1, 1, 9, 1, 8	NC	1% L92	CBAJ	-	Submitted by Dow AgroSciences	-	NA	+	+	+	+	-	NA	Submitted by Dow AgroSciences
Formulation 32	EC	5, 25, 100	6, 5, 4, 4, 7, 6, 9, 3	0.0	1% L92	CBAJ	+	Submitted by Dow AgroSciences	+	NA	+	NA	NA	NA	+	Submitted by Dow AgroSciences	
Formulation 33	SL	5, 25, 100	0, 7, 1, 4, 1, 3	NC	1% L92	CBAJ	-	Submitted by Dow AgroSciences	-	NA	+	NA	NA	NA	+	Submitted by Dow AgroSciences	
Formulation 34	SL	5, 25, 100	1, 9, 1, 4, 1, 5	NC	1% L92	CBAJ	-	Submitted by Dow AgroSciences	-	NA	-	-	NA	-	-	Submitted by Dow AgroSciences	
Formulation 35	SL	5, 25, 100	1, 1, 1, 2, 1, 3	NC	1% L92	CBAJ	-	Submitted by Dow AgroSciences	-	NA	+	+	+	+	NA	Submitted by Dow AgroSciences	
Formulation 37	EC	1, 5, 15	1, 4, 2, 7, 7, 5	0.1	1% L92	CBAJ	+	Submitted by Dow AgroSciences	+	NA	+	+	+	+	NA	Submitted by Dow AgroSciences	
Formulation 38	EC	5, 25, 100	1, 1, 4, 6, 12, 7	0.2	1% L92	CBAJ	+	Submitted by Dow AgroSciences	+	NA	-	-	-	NA	NA	Submitted by Dow AgroSciences	
Formulation 39	OD	1, 5, 25	1, 7, 2, 5, 3, 3	0.2	1% L92	CBAJ	+	Submitted by Dow AgroSciences	+	NA	+	+	NA	NA	+	Submitted by Dow AgroSciences	
Formulation 4	SL	5, 25, 100	1, 4, 1, 1, 1, 2	NC	1% L92	BALB/c	-	Submitted by Dow AgroSciences	-	NA	-	-	-	-	NA	Submitted by Dow AgroSciences	
Formulation 40	OD	1, 5, 25	1, 8, 2, 8, 5, 7	0.1	1% L92	CBAJ	+	Submitted by Dow AgroSciences	+	NA	+	+	NA	NA	+	Submitted by Dow AgroSciences	
Formulation 41	SE	5, 25, 100	1, 9, 1, 9, 4, 7	0.5	1% L92	CBAJ	+	Submitted by Dow AgroSciences	+	NA	+	+	NA	NA	+	Submitted by Dow AgroSciences	
Formulation 42	SL	10, 50, 100	NA	1.0	1% L92	CBAJ	+	Submitted by Dow AgroSciences	+	NA	-	-	NA	NA	NA	Submitted by Dow AgroSciences	
Formulation 43	CS	5, 25, 75	NA	NC	1% L92	CBAJ	-	Submitted by Dow AgroSciences	-	NA	+	+	+	+	NA	Submitted by Dow AgroSciences	
Formulation 44	SC	5, 25, 100	NA	NC	1% L92	CBAJ	-	Submitted by Dow AgroSciences	-	NA	+	-	-	NA	NA	Submitted by Dow AgroSciences	
Formulation 45	SC	5, 25, 100	NA	NC	1% L92	CBAJ	-	Submitted by Dow AgroSciences	-	NA	+	-	-	NA	NA	Submitted by Dow AgroSciences	
Formulation 46	SC	5, 25, 100	NA	NC	1% L92	CBAJ	-	Submitted by Dow AgroSciences	-	-	+	NA	NA	NA	NA	Submitted by Dow AgroSciences	
Formulation 47	EW	5, 25, 100	NA	0.4	1% L92	CBAJ	+	Submitted by Dow AgroSciences	+	NA	+	+	NA	NA	NA	Submitted by Dow AgroSciences	
Formulation 49	AL	5, 25, 100	0, 7, 1, 4, 4, 7	0.6	1% L92	CBAJ	+	Submitted by Dow AgroSciences	+	NA	+	+	+	+	NA	Submitted by Dow AgroSciences	
Formulation 5	EC	3, 10, 30	1, 4, 4, 11, 5	0.1	1% L92	BALB/c	+	Submitted by Dow AgroSciences	+	NA	+	+	+	+	NA	Submitted by Dow AgroSciences	
Formulation 50	SL	5, 25, 100	1, 2, 1, 2, 14, 7	0.4	1% L92	CBAJ	+	Submitted by Dow AgroSciences	+	NA	-	-	NA	NA	NA	Submitted by Dow AgroSciences	
Formulation 51	OD	5, 25, 100	1, 6, 4, 5, 2, 9	0.1	1% L92	CBAJ	+	Submitted by Dow AgroSciences	+	NA	+	+	NA	+	+	Submitted by Dow AgroSciences	
Formulation 53	EW	2, 5, 7, 5, 15	1, 5, 3, 2, 6, 7	0.1	1% L92	CBAJ	+	Submitted by Dow AgroSciences	+	NA	+	+	+	+	-	NA	Submitted by Dow AgroSciences
Formulation 54	SL	5, 25, 100	1, 3, 1, 2, 2, 3	NC	1% L92	CBAJ	-	Submitted by Dow AgroSciences	-	NA	-	NA	NA	NA	NA	Submitted by Dow AgroSciences	
Formulation 55	EW	5, 25, 100	1, 5, 2, 5, 3, 7	0.6	1% L92	CBAJ	+	Submitted by Dow AgroSciences	+	NA	+	+	+	+	-	NA	Submitted by Dow AgroSciences
Formulation 56	SL	5, 25, 100	3, 3, 6, 1, 3, 9	0.0	1% L92	CBAJ	+	Submitted by Dow AgroSciences	+	NA	+	+	NA	NA	NA	Submitted by Dow AgroSciences	
Formulation 6	EW	5, 20, 80	1, 3, 2, 7, 11, 6	0.2	1% L92	BALB/c	+	Submitted by Dow AgroSciences	+	NA	+	+	+	+	NA	Submitted by Dow AgroSciences	
Formulation 7	SC	20, 80, 100	1, 1, 9, 3, 2	1.0	1% L92	BALB/c	+	Submitted by Dow AgroSciences	+	-	+	+	-	+	NA	Submitted by Dow AgroSciences	
Formulation 7		5, 20, 80	2, 6, 1, 4, 3, 2	0.7	1% L92	BALB/c	+	Submitted by Dow AgroSciences	+	-	+	+	-	+	NA	Submitted by Dow AgroSciences	
Formulation 8	EC	1, 5, 25	0, 9, 1, 1, 7, 3	0.1	1% L92	BALB/c	+	Submitted by Dow AgroSciences	+	NA	+	+	NA	NA	+	Submitted by Dow AgroSciences	
Formulation 9	SC	4, 20, 80	1, 1, 1, 7, 1, 3	NC	1% L92	BALB/c	-	Submitted by Dow AgroSciences	-	NA	+	NA	NA	NA	NA	Submitted by Dow AgroSciences	
Fx + Mc EW 69	EW	5, 0, 10, 0, 25, 0, 50, 0	0, 8, 1, 6, 3, 0, 8, 6	25.2	1% L92	CBAJ	+	Bayer Crop Science, submitted by: E. Debruyne.	+	-	-	NA	NA	NA	NA	Bayer Crop Science, submitted by: E. Debruyne.	
Oxyflufenfen	EC	1, 7, 33	0, 8, 1, 1, 4, 4, 9	30.8	1% L92	CBA/Ca	+	ECPA LLNA Project Report submitted by: BASF	+	-	-	NA	NA	NA	NA	ECPA LLNA Project Report submitted by: Dow Chemical	
		1, 7, 33	0, 9, 1, 4, 2, 8	NC	1% L92	CBAJ	-	ECPA LLNA Project Report submitted by: Bayer	-	-	-	-	-	-	-		
		1, 7, 33	0, 3, 0, 9, 2, 3	NC	1% L92	CBAJ	-	ECPA LLNA Project Report submitted by: Dow Chemical	+	-	-	NA	NA	NA	NA		
		1, 7, 33	1, 1, 1, 5, 3, 1	30.8	1% L92	CBA/JHsd	+	ECPA LLNA Project Report submitted by: Dupont	+	-	-	NA	NA	NA	NA		
		1, 7, 33	1, 2, 1, 2, 5, 4	18.1	1% L92	CBA/Cs/OlatHsd	+	ECPA LLNA Project Report submitted by: Syngenta/BCC	+	-	-	NA	NA	NA	NA		
Quinoxifen	SC	7, 33, 100	1, 1, 0, 7, 0, 8	NC	1% L92	CBAJ	-	ECPA LLNA Project Report submitted by: Dow Chemical	-	-	+	+	-	+	NA	ECPA LLNA Project Report submitted by: Dow Chemical	
Quinoxifen/cyproconazole	NA	7, 33, 100	2, 1, 10, 7, 20, 3	9.8	1% L92	CBA/Ca	+	ECPA LLNA Project Report submitted by: BASF	+	+	+	+	-	+	NA	ECPA LLNA Project Report submitted by: Dow Chemical	

Substance Name	Formulation Type	LLNA Conc. tested (%)	LLNA Sts	LLNA EC <sub>1</sub> (%)	LLNA Vehicle	LLNA Mouse strain	LLNA Result <sup>1</sup>	LLNA Reference	Overall LLNA Result <sup>1</sup> (Majority)	Overall GP Call (F)	Overall GP Call (Any) <sup>2</sup>	Overall GP Call (AI) <sup>2</sup>	Overall BT Call (AI) <sup>2</sup>	Overall GPMT Call (AI) <sup>2</sup>	Overall GP Call (RC/RE) <sup>3</sup>	GP Reference
		7, 33, 100	1,2, 7,2, 12,4	14.8	1% L92	CBA/J	+	ECPA LLNA Project Report submitted by: Bayer								Chemical
		7, 33, 100	0,4, 3,8, 2,0	26.9	1% L92	CBA/J	+	ECPA LLNA Project Report submitted by: Dow Chemical								
		7, 33, 100	1,4, 2,0, 6,2	49.8	1% L92	CBA/JHsd	+	ECPA LLNA Project Report submitted by: Dow Chemical								
		7, 33, 100	1,3, 6,5, 13,6	15.5	1% L92	CBA/CaOlaHsd	+	ECPA LLNA Project Report submitted by: Dupont								
		12,5, 25, 50, 75, 100	2,2,3, 8,6, 15,8, 30,1	27.8	1% L92	CBA/J	+	ECPA LLNA Project Report submitted by: Syngenta/RCC								
Trifluralin	EC	7, 33, 100	6,0, 30,0, 75,2	5.8	1% L92	CBA/Ca	+	ECPA LLNA Project Report submitted by: BASF	+	-	-	NA	NA	NA	NA	ECPA LLNA Project Report submitted by: Dow Chemical
		7, 33, 100	1,9, 8,7, 25,7	11.2	1% L92	CBA/J	+	ECPA LLNA Project Report submitted by: Bayer								
		7, 33, 100	3,1, 26,3, 61,5	7.0	1% L92	CBA/J	+	ECPA LLNA Project Report submitted by: Dow Chemical								
		7, 33, 100	1,0, 7,0, 16,1	15.6	1% L92	CBA/JHsd	+	ECPA LLNA Project Report submitted by: Dupont								
		7, 33, 100	1,8, 8,2, 20,5	11.9	1% L92	CBA/CaOlaHsd	+	ECPA LLNA Project Report submitted by: Syngenta/RCC								

Abbreviations: AL = Any other liquid, AOO = Acetone olive-oil (4:1), ACE = Acetone, BT = Buehler Test, Conc. = Concentration, CS = Capsule suspension, DMF = Dimethyl formamide, DMSO = Dimethyl sulfoxide, EC = Emulsion concentrate, ECPA = European Crop Protection Association, EW = Emulsion, oil in water, GPMT = Guinea Pig Maximization Test, LLNA = Local Lymph Node Assay, OD = Oil dispersion, ME = Micro-emulsion, NA = Not Available, NC = Not Calculated since SF>3, PG = Propylene glycol, SC = Suspension concentrate, SE = Suspo-emulsion, SI = Stimulation Index, SL = Soluble concentrate, TK = Technical concentrate

<sup>1</sup> "+" = Sensitizer, "-" = Non-sensitizer

<sup>2</sup> Overall GP call made on the basis of a test on the entire formulation.

<sup>3</sup> Overall GP call made with priority entire formulation > active ingredient > related compound or formulation.

<sup>4</sup> Overall GP call made on the basis of a test on an active ingredient.

<sup>5</sup> Overall GP call made on the basis of a test on a related compound or formulation.

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