

**Discovery of Lake Sinai virus and an unusual strain of Acute bee
paralysis virus in West African apiaries**

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Table S1 Pesticides that are in use in the Republic of Benin as accepted by the National Regulation on Agricultural Pesticides. Market names and active matters are given. The dates of adoption and expiration cover the research period.

N°	Trade Name	Active matter	Date adoption	Date expiration	Pesticide type
1	Kalach 360 SI	Glyphosate 360 g/l	30/08/2011	09/08/2021	Systemic herbicide
2	Akizon 4sc	Nicosulfuron 40 g/l	11/03/2011	10/03/2021	Rice herbicide
3	Garil	Triclopyr 72 g/l Propanil 360 g/l	16/05/2008	15/05/2018	Rice herbicide
4	Topstar 400sc	Oxadiargyl 400 g/l	27/04/2009	26/04/2019	Rice herbicide
5	Gallant Super	Haloxypol méthyle ester 104 g/l	27/04/2009	26/04/2019	Cotton herbicide
6	Callifor G	Glyphosate 60 g/l Fluometuron 250 g/l Prometrine 250 g/l	27/04/2009	26/04/2019	Cotton herbicide
7	Cottonex P Sc	Fluométuren 250 g/l Prométryne 250 g/l	16/04/2010	15/04/2020	Cotton herbicide
8	Cottonex Pg 560 Sc	Fluométuren 250 g/l Prométryne 250 g/l Glyphosate 60 g/l	16/04/2010	15/04/2020	Cotton herbicide
9	Cotogard Sc	Fluometuron 250 g/l Prometryn 250 g/l	16/04/2010	15/04/2020	Cotton herbicide
10	Malik 108 Ec	Haloxypol-r-methyl 108 g/l	16/04/2010	15/04/2020	Cotton herbicide
11	Finish 360 SI	Glyphosate acide 360 g/l	24/01/2012	23/01/2022	Systemic herbicide
12	Glyfos 360 SI	Glyphosate acide 360 g/l	24/01/2012	23/01/2022	Systemic herbicide
13	Mamba 360 SI	Glyphosate acide 360 g/l	24/01/2012	23/01/2022	Systemic herbicide
14	Herbalm 720 SI	2,4 D 72%	04/12/2012	03/12/2017	Cereals and palm herbicide

15	Glyphalm 720 Wg	Glyphosate 720 g/kg	04/12/2012	03/12/2017	Systemic herbicide
16	Glyphalm 360 Sl	Glyphosate acide 360 g/l	04/12/2012	03/12/2017	Systemic herbicide
17	Glycel 41%	Glyphosate acide 410 g/l	04/12/2012	03/12/2017	Herbicide
18	Terbulor 500 Ec	Terbutryn 167 g/l Métolachlore 333 g/l	04/12/2012	03/12/2017	Cotton and maize herbicide
19	Defcal 8 Ec	Pyraflufen ethyl 8 g/l	04/12/2012	03/12/2017	Herbicide
20	Select 120 Ec	Cléthodim 120 g/l	04/12/2012	03/12/2017	Cotton herbicide
21	Triprou**	Triclopyr 72 g/l Propanil 360 g/l	18/11/2013	17/11/2018	Herbicide
22	Glyphogan 360 Sl	Glyphosate 360 g/l	08/03/2005	07/03/2015	Herbicide
23	Dursban B 200/18 Ec	Cyfluthrine 18 g/l Chlorpyriphos ethyl 200 g/l	24/01/2012	23/01/2022	Cotton herbicide
24	Kinikini	Cyfluthrine 9,6 g/l Malathion 400 g/l	08/03/2005	07/03/2015	Systemic insecticide
25	Trialm 400 Ec	Triazophos 400 g/l	08/03/2005	07/03/2015	Cotton insecticide
26	Cypalm 350 Ec	Cyperméthrine 350 g/l	08/03/2005	07/03/2015	Cotton insecticide
27	Decis 10,75 Ec	Deltaméthrine 10,75 g/l	18/08/2006	17/08/2016	Insecticide
28	Decis 25 Ec	Deltaméthrine 25 g/l	18/08/2006	17/08/2016	Insecticide
29	Sherphos 180 Ec	Cyperméthrine 30 g/l Triazophos 150 g/l	18/08/2006	17/08/2016	Acaricide-insecticide
30	Sherphos 280 Ec	Cyperméthrine 30 g/l Triazophos 250 g/l	18/08/2006	17/08/2016	Acaricide-insecticide
31	Sherpa 35 Ec	Cyperméthrine 35 g/l	18/08/2006	17/08/2016	Insecticide
32	Conquest Plus 388 Ec	Acétamipride 16 g/l Cyperméthrine 72 g/l Triazophos 300 g/l	18/08/2006	17/08/2016	Insecticide
33	Laser 480 Sc	Spinosad 480 g/l	03/01/2008	02/01/2018	Cotton insecticide

34	Dursban 4 E	Chlorpyriphos éthyl 480 g/l	03/01/2008	02/01/2018	Insecticide
35	Calfos 500 Ec	Profénofos 500 g/l	28/08/2008	27/08/2018	Acaricide-insecticide
36	Alphacal P218 Ec	Alphacyperméthrine 18 g/l Profénofos 200 g/l	28/08/2008	27/08/2018	Acaricide-insecticide
37	Cypercal P 330 Ec	Cyperméthrine 30 g/l Profénofos 300 g/l	28/08/2008	27/08/2018	Acaricide-insecticide
38	Lambdacal P 315 Ec	Lambdacyhalothrine 15 g/l Profenofos 300 g/l	27/04/2009	26/04/2019	Acaricide-insecticide
39	Lambdacal P 215 Ec	Lambdacyhalothrine 15 g/l Profenofos 200 g/l	27/04/2009	26/04/2019	Insecticide
40	Laser 480 Sc	Spinosad 480 g/l	27/04/2009	26/04/2019	Insecticide
41	Spintor Poudre	Spinosad 1.25 g/kg	27/04/2009	26/04/2019	Post harvest insecticide
42	Nurelle D 36/200	Cyperméthrine 36 g/l Chlorpyriphos ethyl 200 g/l	27/04/2009	26/04/2019	Cotton insecticide
43	Nurelle D 35/300	Cyperméthrine 35 g/l Chlorpyriphos ethyl 300 g/l	27/04/2009	26/04/2019	Cotton insecticide
44	Dursban B 318	Cyfluthrine 18 g/l Chlorpyriphos ethyl 300 g/l	27/04/2009	26/04/2019	Cotton insecticide
45	Chango 122 Se	Indoxacarbe 50 g/l Cypermethrine 72 g/l	09/06/2009	08/06/2019	Cotton insecticide
46	Emir 88 Ec	Cypermethrine 72 g/l Acetamipride 16,6 g/l	16/04/2010	15/04/2020	Cotton insecticide
47	Calife 500 Ec	Profénofos 500 g/l	16/04/2010	15/04/2020	Cotton insecticide
48	Thunder 145 Q-Teq	Betacyfluthrine 45 g/l Imidacioprid 100 g/l	17/08/2010	22/08/2020	Aphicide-insecticide
49	Pacha 25 Ec	Acetamipride 10 g/l Lambdacyhalothrine 15 g/l	17/07/2011	16/07/2021	Insecticide
50	Lambdacal P 630 Ec	Lambdacyhalothrine 30 g/l Profénofos 600 g/l	17/07/2011	16/07/2021	Cotton insecticide

51	Lambdacal P 645 Ec	Lambdacyhalothrine 45 g/l Profénofos 600 g/l	17/07/2011	16/07/2021	Cotton insecticide
52	Marshall 35 Ds	Carbosulfan 350g/kg	16/10/2010	15/10/2020	Post harvest insecticide
53	Conquest 88 Ec	Acetamiprid 16g/l Cyperméthrine 72g/l	16/10/2010	15/10/2020	Cotton insecticide
54	Pyrinex Quick 212 Ec	Deltamethrine 12 g/l Chlorpyriphos ethyl 200 g/l	17/08/2010	16/08/2020	Cotton insecticide
55	Tihan 175 O-Teq	Flubendiamide 100 g/l Spirotetramate 75 g/l	24/01/2012	23/01/2022	Cotton insecticide
56	Ato Ibi 01	Betacypermethrine 18 g/l Chlorpyriphos-Ethyl 300 g/l	24/01/2012	23/01/2022	Cotton insecticide
57	Conquest C176 Ec	Acétamipride 32 g/l Cyperméthrine 144 g/l	23/01/2012	22/01/2022	Insecticide
58	Capt 88 Ec	Acétamipride 16 g/l Cyperméthrine 72 g/l	04/12/2012	03/12/2017	Cotton insecticide
59	Fanga 500 Ec	Profénofos 500 g/l	04/12/2012	03/12/2017	Cotton insecticide
60	Cotalm P 218 Ec	Lambdacyhalothrine 18 g/l Profénofos 200 g/l	04/12/2012	03/12/2017	Cotton insecticide
61	Cotalm P 310 Ec	Lambdacyhalothrine 10 g/l Profénofos 300 g/l	04/12/2012	03/12/2017	Cotton insecticide
62	Cyflutralm P 218 Ec	Cyfluthrine 18 g/l Profénofos 200 g/l	04/12/2012	03/12/2017	Cotton insecticide
63	Cyflutralm P 318 Ec	Cyfluthrine 18 g/l Profénofos 300 g/l	04/12/2012	03/12/2017	Cotton insecticide
64	Steward 150 Ec	Indoxacarbe 150g/l	04/12/2012	03/12/2017	Cotton insecticide