



COTTON
MADE IN
AFRICA

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**LIST OF PROHIBITED PESTICIDE ACTIVE INGREDIENTS UNDER THE
CMIA VERIFICATION SYSTEM**

Supplement to CmiA Standard Criteria Matrix Version 3

Release 1/2014





Introduction

The Aid by Trade Foundation prohibits the use of several pesticides by verified cotton producers determined by international lists of reference selected by AbTF. If use of one of these active ingredients is detected during verification audits, this consequently leads to the cancelling of verification as defined by CmiA Governance.

This list presents the contents of the reference sources for exclusion criteria Nr. 9 of the CmiA Criteria Matrix Version 3. It was compiled in January 2014 and will be updated, when necessary, by the Aid by Trade Foundation. However, the compliance with the regulations is the obligation and sole responsibility of the verified cotton managing entity.

The current wording of Exclusion Criterion 9 is:

Use of pesticides banned under the Stockholm Convention on Persistent Organic Pollutants (POPs), the WHO list of highly hazardous and hazardous pesticides, and pesticides listed in the Rotterdam Convention on Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides in International Trade (PIC):

a) Stockholm Convention: Annex A (page 33 ff):

<http://chm.pops.int/Portals/0/download.aspx?d=UNEP-POPSCOP-CONVTEXT.En.pdf>

b) Rotterdam Convention: Annex III (page 29 ff):

http://www.pic.int/Portals/5/download.aspx?d=RC_Convention_Text_2011_English.pdf

c) WHO list of hazardous pesticides class 1a and 1b (page 19ff):

http://www.who.int/ipcs/publications/pesticides_hazard_2009.pdf

This document is also available in French.

Please send your comments and suggestions to info@abt-foundation.org or via regular mail to:

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The following table lists active ingredients, categorized by the sources mentioned in Exclusion Criteria 9 of the *Cotton made in Africa Standard* (CmiA). This list is set up in alphabetical order of the active ingredients of pesticide products.

In the case of pyrethroids, WHO acknowledges a high variability of toxicity data and points to the need for classification by formulation. Pyrethroids are currently under scrutiny of the Aid by Trade Foundation.

	Pesticide Active Ingredient	CAS_number	WHO Ia	WHO Ib	POP	PIC	Comment
1	Alachlor (EN) Alachlore (FR)	15972-60-8				✓	
2	Acrolein (EN) Acroléine (FR)	107-02-8		✓			
3	Aldicarb (EN) Aldicarbe (FR)	116-06-3	✓			✓	
4	Allyl alcohol	107-18-6		✓			
5	alpha-hexachlorocyclohexane (EN)	319-84-6			✓		
6	Alpha-chlorohydrin (EN) 3-Chloro-1,2-propanediol	96-24-2		✓			
7	Arsenic compounds	Group					
	<i>Calcium arsenate</i>	7778-44-1		✓			
	<i>Lead arsenate</i>	7784-40-9		✓			
	<i>Paris Green</i>	12002-03-8		✓			
	<i>Sodium arsenite</i>	7784-46-5		✓			
8	Azinphos-ethyl (EN/FR)	2642-71-9		✓			
9	Azinphos-methyl (EN) Azinphos-methyle (FR)	86-50-0		✓		✓	
10	<i>Beta-cyfluthrin; Cyfluthrin (EN) Betacyfluthrine (FR)</i>	68359-37-5		✓			<i>Under scrutiny - Phase-out period likely</i>
11	beta-HCH; beta-BCH	319-85-7			✓		
12	Blasticidin-S	2079-00-7		✓			
13	Brodifacoum (EN/FR)	56073-10-0	✓				
14	Bromadiolone (EN/FR)	28772-56-7	✓				



	Pesticide Active Ingredient	CAS_number	WHO Ia	WHO Ib	POP	PIC	Comment
15	Bromethalin (EN) Bromethaline (FR)	63333-35-7	✓				
16	Butoxycarboxim (EN) Butoxycarboxime (FR)	34681-23-7		✓			
17	Cadusafos (EN/FR)	95465-99-9		✓			
18	Calcium cyanide	592-01-8	✓				
19	Captafol (EN) Captafole (FR)	2425-06-1	✓			✓	
20	Carbofuran (EN/FR)	1563-66-2		✓		SHPF	
21	Chlordane (EN/FR)	57-74-9			✓	✓	
22	Chlorethoxyphos (EN/FR)	54593-83-8	✓				
23	Chlorfenvinphos (EN/FR)	470-90-6		✓			
24	Chlormephos (EN), Chlorméphos (FR)	24934-91-6	✓				
25	Chlorophacinone (EN/FR)	3691-35-8	✓				
26	Coumaphos	56-72-4		✓			
27	Coumatetralyl (EN/FR)	5836-29-3		✓			
28	DDT (EN/FR)	50-29-3				✓	
29	Demeton-S-methyl (EN) Demeton-S-methyl (FR)	919-86-8		✓			
30	Dichlorvos (EN/FR); DDVP	62-73-7		✓			
31	Dicrotophos (EN/FR)	141-66-2		✓			
32	Difenacoum (EN/FR)	56073-07-5	✓				
33	Difethialone (EN/FR)	104653-34-1	✓				
34	Dinoterb (EN) Dinoterbe (FR)	1420-07-1		✓			
35	Diphacinone (EN/FR)	82-66-6	✓				
36	Disulfoton (EN/FR)	298-04-4	✓				
37	DNOC and its salts	Group		✓		✓	

	Pesticide Active Ingredient	CAS_number	WHO Ia	WHO Ib	POP	PIC	Comment
	<i>DNOC, ammonium salt</i>	2980-64-5		✓			
	<i>DNOC, potassium salt</i>	5787-96-2		✓			
	<i>DNOC, sodium salt</i>	2312-76-7		✓			
	<i>DNOC</i>	534-52-1		✓			
38	Edifenphos (EN/FR)	17109-49-8		✓			
39	Endosulfan (EN/FR)	115-29-7			✓	✓	
40	E-Phosphamidon	297-99-4	✓			SHPF	
41	EPN (EN/FR)	2104-64-5	✓				
42	Ethiofencarb (EN) Ethiofencarbe (FR)	29973-13-5		✓			
43	Ethoprophos; Ethoprop (EN/FR)	13194-48-4	✓				
44	Ethylene dibromide; 1,2-dibromoethane	106-93-4				✓	
45	Ethylene dichloride; 1,2-Dichloroethane	107-06-2				✓	
46	Ethylene oxide	75-21-8				✓	
47	Famphur	52-85-7		✓			
48	Fenamiphos (EN) Phenamiphos (FR)	22224-92-6		✓			
49	Flocoumafen (EN/FR)	90035-08-8	✓				
50	<i>Flucythrinate (EN/FR)</i>	<i>70124-77-5</i>		✓			<i>Under scrutiny - Phase-out period likely</i>
51	Fluoroacetamide (EN) Fluoroacétamide (FR)	640-19-7		✓		✓	
52	Formetanate (EN/FR)	22259-30-9		✓			
53	Furathiocarb (EN) furathiocarbe (FR)	65907-30-4		✓			
54	Heptenophos (EN/FR)	23560-59-0		✓			
55	Hexachlorobenzene (EN) hexachlorobenzène (FR)	118-74-1	✓		✓	✓	



	Pesticide Active Ingredient	CAS_number	WHO Ia	WHO Ib	POP	PIC	Comment
56	Hexchlorocyclohexane; BHC mixed isomers	608-73-1				✓	
57	Isoxathion (EN/FR)	18854-01-8		✓			
58	Lindane (EN) Gamma-HCH (FR)	58-89-9			✓	✓	
59	Mecarbam (EN) Mécarbam (FR)	2595-54-2		✓			
60	Mercury and its compounds	Group				✓	
	<i>Mercuric chloride</i>	7487-94-7	✓			✓	
	<i>Mercuric oxide</i>	21908-53-2		✓		✓	
	<i>Chloromethoxypropyl-mercuric acetate; CPMA</i>	1319-86-4				✓	
	<i>Diphenylmercurydodecenylnsulfinate; PMDS</i>	27236-65-3				✓	
	<i>Phenylmercuric oleate; PMO</i>	104-68-9				✓	
	<i>Phenylmercury acetate; PMA</i>	62-38-4	✓			✓	
61	Methamidophos (EN/FR)	10265-92-6		✓		SHPF	
62	Methidathion (EN/FR)	950-37-8		✓			
63	Methiocarb (EN/FR)	2032-65-7		✓			
64	Methomyl (EN/FR)	16752-77-5		✓			
65	Mevinphos (EN) Mévinphos (FR)	7786-34-7	✓				
66	Monocrotophos (EN/FR)	6923-22-4		✓		✓	
67	Nicotine	54-11-5		✓			
68	Omethoate (EN/FR)	1113-02-6		✓			
69	Oxamyl (EN/FR)	23135-22-0		✓			
70	Oxydemeton-methyl (EN) Oxydemeton-méthyle (FR)	301-12-2		✓			
71	Parathion (EN/FR)	56-38-2	✓			✓	
72	Parathion-methyl (EN/FR)	298-00-0	✓			SHPF	



	Pesticide Active Ingredient	CAS_number	WHO Ia	WHO Ib	POP	PIC	Comment
73	Pentachlorbenzene; PeCB	608-93-5			✓		
74	PCP; Pentachlorphenol (EN) Pentachlorophénol (FR)	87-86-5		✓		✓	
75	Phorate (EN/FR)	298-02-2	✓				
76	Phosphamidon (EN/FR)	13171-21-6	✓			SHPF	
77	Propetamphos	31218-83-4		✓			
78	Sodium fluoroacetate (1080)	62-74-8	✓				
79	Strychnine	57-24-9		✓			
80	Sulfotep (EN/FR)	3689-24-5	✓				
81	Tebupirimifos	96182-53-5	✓				
82	<i>Tefluthrin (EN) Tefluthrine (FR)</i>	79538-32-2		✓			<i>Under scrutiny - Phase-out period likely</i>
83	Terbufos (EN) Terbuphos (FR)	13071-79-9	✓				
84	Thallium sulfate	7446-18-6		✓			
85	Thiofanox (EN/FR)	39196-18-4		✓			
86	Thiometon (EN/FR)	640-15-3		✓			
87	Triazophos	24017-47-8		✓			
88	Tributyl tin compounds	several				✓	
88	Vamidotion (EN/FR)	2275-23-2		✓			
89	Warfarin (EN/FR)	81-81-2		✓			
90	<i>zeta-Cypermethrin (EN) Zetacypermethrine (FR)</i>	52315-07-8z		✓			<i>Under scrutiny - Phase-out period likely</i>
91	Zinc phosphide (EN) phosphure de zinc (FR)	1314-84-7		✓			
92	Z-Phosphamidon	23783-98-4	✓			SHPF	

PIC Convention: Severly Hazardous Pesticide Formulations (SHPF)							
Pesticide Active Ingredient	CAS_number	WHO Ia	WHO Ib	POP	PIC	Comment	
Dustable powder formulations containing a combination of: benomyl at or above 7 per cent, carbofuran at above 10 per cent, thiram at or above 15 per cent.	Formulation				✓		
Parathion-methyl emulsifiable concentrates (EC) with 19.5%, 50%, 50%, 60% active ingredients and dusts containing 1.5%, 2% and 3% active ingredient)					✓		
Methamidophos 600 g/l (SL) formulation and higher					✓		
Phosphamidon 1000 g/l (SL) formulation and higher					✓		

Obsolete							
Pesticide Active Ingredient	CAS_number	WHO Ia	WHO Ib	POP	PIC	Comment	
2,4,5-T and its salts and esters (dioxin contamination)	93-76-5				✓		
Aldrin (EN) Aldrine (FR)	309-00-2			✓	✓		
Binapacryl (EN/FR)	485-31-4				✓		
Chlordecone (EN/FR)	143-50-0			✓			
Chlordimeform (EN) Chlordimeforme (FR)	6164-98-3				✓		
Chlorobenzilate (EN/FR)	510-15-6				✓		
Dieldrin (EN) dieldrine (FR)	60-57-1			✓	✓		
Dinoseb and Dinoseb salts (EN) dinosèbe (FR)	88-85-7				✓		
Endrin (EN) Endrine (FR)	72-20-8			✓			
Heptachlor (EN) Heptachlore (FR)	76-44-8			✓	✓		
Mirex	2385-85-5			✓			
Toxaphene; Camphechlor (EN) Bamphéchlor (FR)	8001-35-2			✓	✓		