

## 1. Objectives

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To add a value to our products according to Good Agricultural Practice (GAP) we require that the use of pesticides comply with the actual status of Swiss statutory requirements such as Swiss Ordinance SR 817.021.23 and the European statutory requirements such as "EU regulation 396/2005". In addition we require a limit regarding the verifiable residues of active components. Furthermore, it is not allowed to use pesticides with very critical active components in order to prevent negative influence of the environment and our employees and customers.

## 2. Scope

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The guideline applies to all suppliers/ producers who supply products with the GAP label to Louis Ditzler AG.

## 3. Overall Criteria

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All chemical agents used to protect the crop against disease and pest infestation are classed as pesticides. Pesticides contain active substances and other ingredients. An active substance is the component of a pesticide that is responsible for its effect.

The use of pesticides in agriculture production, post-harvest treatment, processing, storage and transport must comply with the principle "as little as possible, as much as necessary". The use of pesticides must be completely documented and the required withdrawal period must be respected.

Products labelled "BIO KNOSPE" have to be in compliance with the statutory requirements of BIO SUISSE.

All products have to comply with the actual statutory tolerance levels according to the Swiss statutory requirements such as Swiss Ordinance SR 817.021.23 and the European statutory requirements such as "EU regulation 396/2005" as well as the Ditzler guideline of pesticides.

## 4. Product specific requirements

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To achieve an additional benefit GAP products have to comply with the actual following tolerances relating to the quantity of demonstrable residues of active substances of pesticides.

Product	<b>Number of residues</b> pesticides ingredients ≥ 0.01 mg/kg	
	Sensitization	Sanction
Berries, grapes	6	≥ 7
Cherries	5 – 6	≥ 7
Pome fruit, stone fruit (excluding cherries), citrus fruits, salads, fruit vegetables, fries, fresh and dried herbs, tea, dried fruits and vegetables, minimally processed fruits, vegetables and salads, milled cereal products	5	≥ 6
Exotics, cabbage, spinach, root and tuber vegetables, onion vegetables, various vegetables (excluding fruit vegetables)	4	≥ 5

## 5. Forbidden components

The following active substances of pesticides must not be used in agriculture production, post-harvest treatment, processing, storage and transport. This list of prohibited pesticide ingredients was compiled on the basis of the globally recognized list of the Stockholm Convention (POP), the Rotterdam Convention (PIC), Pesticide Action Network Dirty Dozen (PAN) and the recommendations for adaption in the Rotterdam Convention (PIC Rec.).

Wirkstoff	CAS-Nr.	POP	PIC	PAN 12	WHO 1a	WHO 1b
(beta-) Cyfluthrin	68359-37-5					X
1,2-Dichloroethan	107-06-2		X			
2,4,5-T und ihre Salze und Ester	93-76-5		X	X		
3-Chlor-1,2-propandiol (3-MCPD)	96-24-2					X
Acrolein	107-02-8					X
Alachlor	15972-60-8		X			
Aldicarb	116-06-3		X	X	X	
Aldrin	309-00-2	X	X	X		
Alle Tributylzinnverbindungen einschliesslich:			X			
- Tributylzinnoxid	56-35-9					
- Tributylzinnfluorid	1983-10-4					
- Tributylzinnmethacrylat	2155-70-6					
- Tributylzinnbenzoat	4342-36-3					
- Tributylzinnchlorid	1461-22-9					
- Tributylzinnlinoleat	24124-25-2					
- Tributylzinnnaphtenat	85409-17-2					
Allylalkohol	107-18-6					X
Alpha-hexachlorcyclohexan	319-84-6	X				
Azinphosethyl	2642-71-9					X
Azinphosmethyl	86-50-0		X			X
Beta-hexachlorcyclohexan	319-85-7	X				
Binapacryl	485-31-4		X			
Blasticidin S	2079-00-7					X
Bleihydrogenarsenat	7784-40-9					X
Brodifacoum	56073-10-0				X	
Bromadiolon	28772-56-7				X	
Bromethalin	63333-35-7				X	
Butocarboxim	34681-10-2					X
Butoxycarboxim	34681-23-7					X
Cadusafos	95465-99-9					X
Calciumarsenat	7778-44-1					X
Calciumcyanid	592-01-8				X	
Captafol	2425-06-1		X		X	
Chlorbenzilat	510-15-6		X			
Chlordan	57-74-9	X	X	X		
Chlordecon	143-50-0	X				
Chlordimeform	6164-98-3		X	X		
Chlorethoxyfos	54593-83-8				X	
Chlorfenvinphos	470-90-6					X

Wirkstoff	CAS-Nr.	POP	PIC	PAN 12	WHO 1a	WHO 1b
Chlormephos	24934-91-6				X	
Chlorphacinon	3691-35-8				X	
Coumaphos	56-72-4					X
Coumatetralyl	5836-29-3					X
DBCP (Dibromchlorpropan)	96-12-8			X		
DDT	50-29-3	X	X	X		
Demeton-S-methyl	919-86-8					X
Dichlorvos	62-73-7					X
Dicrotophos	141-66-2					X
Dieldrin	60-57-1	X	X	X		
Difenacoum	56073-07-5				X	
Difethialon	104653-34-1				X	
Dinoseb, seine Acetate und Salze	88-85-7		X			
Dinoterb	1420-07-1					X
Diphacinon	82-66-6				X	
Disulfoton	298-04-4				X	
DNOC und seine Salze (wie Ammoniumsalz, Kaliumsalz und Natriumsalz)	534-52-1		X			X
Edifenphos	17109-49-8					X
Endosulfan	115-29-7	X	X			
Endrin	72-20-8	X		X		
EPN	2104-64-5				X	
Ethiofencarb	29973-13-5					X
Ethoprophos	13194-48-4				X	
Ethylendibromid (EDB)	106-93-4		X	X		
Ethylenoxid (EO)	75-21-8		X			
Famphur	52-85-7					X
Fenamiphos	22224-92-6					X
Flocoumafen	90035-08-8				X	
Flucythrinat	70124-77-5					X
Fluoracetamid	640-19-7		X			X
Formetanat	22259-30-9					X
Furathiocarb	65907-30-4					X
HCH (gemischte Isomere)	608-73-1		X	X		
Heptachlor	76-44-8	X	X	X		
Heptenophos	23560-59-0					X
Hexachlorbenzol (HCB)	118-74-1	X	X		X	
Isoxathion	18854-04-8					X
Kupfer(II)-arsenitacetat	12002-03-8					X
Lindan	58-89-9	X	X	X		
Mecarbam	2595-54-2					X
Methamidophos (lösliche Flüssigformulierungen der Substanz von mehr als 600 g Wirkstoff/Liter)	10265-92-6		X			X
Methidathion	950-37-8					X
Methiocarb <sup>1</sup>	2032-65-7					X
Methomyl	16752-77-5					X
Methylparathion	298-00-0		X	X	X	
Mevinphos	26718-65-0				X	
Mirex	2385-85-5	X				
Monocrotophos	6923-22-4		X			X
Natriumcyanid	143-33-9					X
Natriumfluoracetat	62-74-8				X	

<sup>1</sup> Von einem Verbot ausgenommen ist die Verwendung von Methiocarb als Saatbeizmittel.

Wirkstoff	CAS-Nr.	POP	PIC	PAN 12	WHO 1a	WHO 1b
Natriummetaarsenit	7784-46-5					X
Nicotin	54-11-5					X
Omethoat	1113-02-6					X
Oxamyl	23135-22-0					X
Oxydemeton-methyl	301-12-2					X
Paraquatdichlorid	1910-42-5 4685-14-7			X		
Parathion	56-38-2		X	X	X	
Pentachlorobenzol	608-93-5	X				
Pentachlorphenol, seine Salze und Ester	87-86-5		X	X		X
Phenyl-Quecksilberacetat	62-38-4				X	
Phorate	298-02-2				X	
Phosphamidon	13171-21-6 23783-98-4 297-99-4		X			
Propetamphos	31218-83-4					X
Quecksilber(II)-chlorid	7487-94-7				X	
Quecksilber(II)-oxid	21908-53-2					X
Quecksilberverbindungen, einschliesslich anorganischer Quecksilberverbindungen, Alkylquecksilberverbindungen und Alkoxyalkyl- und Arylquecksilberverbindungen	-		X			
Strychnin	57-24-9					X
Sulfotep	3689-24-5				X	
Tebupirimfos	96182-53-5				X	
Tefluthrin	79538-32-2					X
Terbufos	13071-79-9				X	
Thallium(I)-sulfat	7446-18-6					X
Thiofanox	39196-18-4					X
Thiometon	640-15-3					X
Toxaphen	8001-35-2	X	X	X		
Triazophos	24017-47-8					X
Vamidothion	2275-23-2					X
Verstäubbare Pulverformulierungen, die eine Kombination aus Benomyl von 7% oder darüber, Carbofuran von 10% oder darüber und Thiram von 15% oder darüber enthalten	17804-35-2 1563-66-2 137-26-8		X			- X -
Warfarin	81-81-2					X
Zeta-Cypermethrin <sup>2</sup>	52315-07-8					X
Zinkphosphid	1314-84-7					X

<sup>2</sup> Das Verbot gilt ausschliesslich für reine Zeta-Cypermethrin Lösungen. Von einem Verbot ausgenommen sind Cypermethrin Gemische, sowie die Wirkstoffe Alpha-Cypermethrin und Beta-Cypermethrin.