1. Overall Criteria

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. In particular, the principles of integrated plant protection shall be observed at all times (vgl. ÖLN Requirements, or the integrated Pest Management of the EU[2]). This means that pesicides may only be used if all other plant protection measures fail[3].

2. Scope

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

3.Criteria for products compliant with Global GAP Standard

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] https://ec.europa.eu/food/plant/pesticides/sustainable_use_pesticides/ipm_en

[3] Vgl: Nach Boller E. F., Avilla J., Joerg E., Malavolta C., Wijnands F.G. & Esbjerg P., 2004. Guidelines for integrated production – Principles and technical guidelines, 3rd edition. IOBC/wprs Bulletin 27 (2) / Meissle M., Romeis J., Bigler F. 2012: Bt-Mais – Ein möglicher Beitrag zur Integrierten Produktion in Europa? Agrarforschung Schweiz 3 (6): 292–297.

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	**Number of residues** 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), and primarily on the globally recognized FAO/WHO guidelines concerning highly hazardous pesticides.

Wirkstoff	CAS Nr.	Neu 2024
(Beta-) Cyfluthrin	68359-37-5	
1,2-Dichloroethan	107-06-2	
2,4,5-T und ihre Salze und Ester	93-76-5	
3-Chlor-1,2-propandiol (3-MCPD)	96-24-2	
8-Hydroxychinolin	148-24-3	
Acrinathrin	101007-06-1	x
Acrolein	107-02-8	
Alachlor	15972-60-8	
Aldicarb	116-06-3	
Aldrin	309-00-2	
Allylalkohol	107-18-6	
Alpha-Cypermethrin	67375-30-8	x
Alpha-Hexachlorcyclohexan	319-84-6	
Amitrol|Aminotriazol	61-82-5	x
Anthracenöl	90640-80-5	
Anthrachinon	84-65-1	
Arsensäure und ihre Salze	-	
Azafenidin	68049-83-2	
Azinphosethyl	2642-71-9	
Azinphosmethyl	86-50-0	
Beta-Hexachlorcyclohexan	319-85-7	
Bifenthrin	82657-04-3	x
Binapacryl	485-31-4	
Blasticidin S	2079-00-7	
Borax	1303-96-4	
Borsäure	10043-35-3	
Brodifacoum	56073-10-0	
Bromethalin	63333-35-7	
Bromoadiolon	28772-56-7	
Bromophos-Ethyl	4824-78-6	x

Wirkstoff	CAS Nr.	Neu 2024
Butocarboxim	34681-10-2	
Butoxycarboxim	34681-23-7	
Cadusafos	95465-99-9	
Calciumarsenat	7778-44-1	
Calciumcyanid	592-01-8	
Captafol	01.06.2425	
Carbendazim	10605-21-7	
Carbetamid	16118-49-3	
Carbosulfan	55285-14-8	x
Chlordan	57-74-9	
Chlordimeform	6164-98-3	
Chlorethoxyfos	54593-83-8	
Chlorfenvinphos	470-90-6	
Chlormephos	24934-91-6	
Chlorbenzilat	510-15-6	
Chlorphacinon	3691-35-8	
Chlorpikrin	76-06-2	x
Chlorthalonil	1897-45-6	x
Chlorpropham	101-21-3	x
Chlorpyrifos	2921-88-2	x
Chlorpyrifos-Methyl	5598-13-0	x
Kupferacetoarsenit	12002-03-8	
Coumaphos	56-72-4	
Counmatetralyl	5836-29-3	
Kreosot	8001-58-9	
Cyproconazol	94361-06-5	
DDT	50-29-3	
Demeton-S-methyl	919-86-8	
Dichlorvos	62-73-7	
Dicrotophos	141-66-2	
Dieldrin	60-57-1	
Difenacoum	56073-07-5	
Difethialon	104653-34-1	
Diflubenzuron	35367-38-5	x
Dimethoat	60-51-5	x
Dimoxystrobin	149961-52-4	x
Dinocap	39300-45-3	
Dinoseb, seine Acetate und Salze	88-85-7	
Dinoterb	1420-07-1	

Wirkstoff	CAS Nr.	Neu 2024
Diphacinon	82-66-6	
Diquat	2764-72-9	x
Disulfoton	298-04-4	
Diuron	330-54-1	x
DNOC und seine Salze (wie Ammoniumsalz, Kaliumsalz und Natriumsalz)	534-52-1	
Bestäubbare Pulverformulierungen, die eine Kombination aus Benomyl mit 7% oder mehr, Carbofuran mit 10% oder mehr und Thiram mit 15% oder mehr enthalten	17804-35-2 1563-66-2 137-26-8	
Edifenphos	17109-49-8	
Endosulfan	115-29-7	
Endrin	72-20-8	
Epichlorhydrin	106-89-8	
EPN	2104-64-5	
Epoxiconazol	133855-98-8	
Ethiofencarb	29973-13-5	
Ethoprophos	13194-48-4	
Ethylendibromid (EDB)	106-93-4	
Ethylenoxid (EO)	75-21-8	
Ethylenthioharnstoff (ETU)	96-45-7	
Famphur	52-85-7	
Fenbuconazol	114369-43-6	x
Fenchlorazol-Ethyl	103112-35-2	
Fentinacetat	900-95-8	x
Fentinhydroxid	76-87-9	x
Fipronil	120068-37-3	x
Flocoumafen	90035-08-8	
Fluazifop-butyl	69806-50-4	
Flucythrinat	70124-77-5	
Flumioxazin	103361-09-7	
Fluoracetamid	640-19-7	
Flusilazol	85509-19-9	
Formetanat	22259-30-9	
Furathiocarb	65907-30-4	
Glufosinat-Ammonium	77182-82-2	
HCH (gemischte Isomere)	608-73-1	
Heptachlor	76-44-8	
Heptenophos	23560-59-0	

Wirkstoff	CAS Nr.	Neu 2024
Hexachlorbenzol (HCB)	118-74-1	
Isoxathion	18854-04-8	
Kepone	143-50-0	
Bleihydrogenarsenat	7784-40-9	
Lindan	58-89-9	
Linuron	330-55-2	
Lufenuron	103055-07-8	x
Maneb	12427-38-2	x
Mecarbam	2595-54-2	
Quecksilberverbindungen, einschliesslich anorganische Quecksilberverbindungen, Alkylquecksilberverbindungen und Alkyloxyalkyl- und Arylquecksilberverbindungen	-	
Quecksilber(II)-chlorid	7487-94-7	
Quecksilber(II)-oxid	21908-53-2	
Methamidophos (lösliche Flüssigformulierungen der Substanz von mehr als 600 g Wirkstoff/Liter)	10265-92-6	
Methidathion	950-37-8	
Methiocarb	2032-65-7	
Methomyl	16752-77-5	
Brommethan	74-83-9	
Mevinphos	26718-65-0	
Mirex	2385-85-5	
Monocrotophos	6923-22-4	
Nicotin	54-11-5	
Nitrobenzol	98-95-3	
Noviflumuron	121451-02-3	
Omethoat	06/02/1113	
Oxamyl	23135-22-0	
Oxydemeton-methyl	301-12-2	
Paraquat	4685-14-7	
Paraquat-Dichlorid	1910-42-5	
Parathion	56-38-2	
Parathion-Methyl E.C.	298-00-0	
Pentachlorbenzol	608-93-5	
Pentachlorphenol, seine Salze und Ester	87-86-5	
Fenamiphos	22224-92-6	
Phenylquecksilberacetat	62-38-4	
Phorat	298-02-2	

Wirkstoff	CAS Nr.	Neu 2024
Phosmet	732-11-6	x
Phosphamidon	13171-21-6 23783-98-4 297-99-4	
Profoxydim|Clefoxydim	139001-49-3	x
Propetamphos	31218-83-4	
Propiconazol	60207-90-1	
Propylenoxid	75-56-9	
Chinalphos	13593-03-8	x
Quinoclamine	2797-51-5	x
Quinoxyfen	124495-18-7	x
Silafluofen	105024-66-6	x
Natriumcyanid	143-33-9	
Natriumfluoracetat	62-74-8	
Natriummetaarsenit	7784-46-5	
Spirodiclofen	148477-71-8	
Strychnin	57-24-9	
Sulfotep	3689-24-5	
Tebupirimfos	96182-53-5	
Tefluthrin	79538-32-2	
Terbufos	13071-79-9	
Thallium(I)-sulfat	7446-18-6	
Thiacloprid	111988-49-9	
Thiamethoxam	153719-23-4	x
Thiofanox	39196-18-4	
Thiometon	640-15-3	
Toxaphen	8001-35-2	
Triadimenol	55219-65-3	
Triazophos	24017-47-8	
Tributylzinn-Benzoat	2155-70-6	
Tributylzinn-Chlorid	4342-36-3	
Tributylzinn-Fluorid	56-35-9	
Tributylzinn-Linoleat	1461-22-9	
Tributylzinn-Methacrylat	30593	
Tributylzinn-Naphthenat	24124-25-2	
Tributylzinn-Oxid		
Trichlorfon	52-68-6	x

Wirkstoff	CAS Nr.	Neu 2024
Triflumizol	99387-89-0	
Vamidothion	2275-23-2	
Vinclozolin	50471-44-8	
Warfarin	81-81-2	
Zeta-Cypermethrin	52315-07-8	
Zinkphosphid	1314-84-7	
Ziram	137-30-4	x