Qualitätssicherung. **Vom Landwirt bis zur Ladentheke.**

Explanation of sustainability measures
Guideline Production

QS. Ihr Prüfsystem für Lebensmittel.

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1. sustainability measures from the guideline

Table: Classification into pillars of sustainability and descriptions

Requirement Guideline Production	**Pillars of sustainability**			**Reference to fields of action/sustainability, examples**
	Economy	**Ecology**	**Social**	
2.1.2 Implementation and documentation of self-assessment	x			Detection of operational weak spots and continuous improvement
2.1.3 Implementation of initiated measures from self-assessment	x			Elimination of operational weak spots and continuous improvement
2.1.4 Incident and crisis management	x	x		Reducing the economic and/or ecological impacts of crisis and events
2.2.1 Qualification	x	x		Efficient farm management and avoidance of negative environmental impacts through good agricultural practice
2.2.3 Maintenance of facilities, irrigation system and equipment	x	x		Efficient use of resources; Avoidance of negative environmental impacts, e.g., through the calibration of crop protection equipment and fertiliser spreaders, as well as careful use of water resources.
3.1.1 Risk assessment and risk management for fields/substrata		x	x	Risk minimisation and management of hazards regarding the environment and the health of involved persons.
3.2.1 Erosion reduction, soil protection and minimisation of soil borne diseases	x	x		Preservation / improvement of soil fertility; Improvement of soil structure and biological activity of the soil as well as prevention of erosion.
3.4.3 Determination of fertilisation requirements	x	x		Minimisation and optimisation of fertiliser use should lead to as little impact as possible on the environment and groundwater
3.4.4 Demand-oriented fertilisation	x	x		
3.4.5 Comparison of fertilizer requirement and nutrient input	x	x		
3.4.6 Application of fertilisers		x		Avoidance of impacts on surface waters (compliance with minimum distances) and groundwater pollution

Requirement Guideline Production	**Pillars of sustainability**			**Reference to fields of action/sustainability, examples**
	Economy	**Ecology**	**Social**	
3.4.7 Risk assessment for organic fertilisers		x		Avoiding soil contamination with heavy metals
3.4.9 Application of sewage sludge		x		
3.4.10 Use of fermentation substrates		x		
3.4.11 Storage of inorganic fertilisers		x		Avoidance of negative impacts on soils as well as on groundwater and surface water
3.4.12 Storage of organic fertilisers		x		
3.5.5 Integrated pest management measures		x		Minimising the use of chemical plant protection products and referring agents that are gentle on beneficial organisms and have a selective effect; Avoidance of impact on neighbouring areas, water bodies, fauna, flora and residential areas.
3.5.6 Prevention of spray drift		x		
3.5.7 Disposal of surplus application mix		x		Avoidance of groundwater pollution
3.5.13 Precautions for spillage/leakage		x		Avoidance of soil and groundwater contamination
3.5.15 Disposal of empty containers		x		Minimising the risk to people and the environment
3.8.1 Preparation of the harvest	x			Achieving a gentle harvest with low damage
3.9.2 Quality preservation measures	x			Avoidance of losses during storage
3.9.4 Pest monitoring and pest control	x	x		Avoiding economic damage and the endangerment of non-target organisms
6.1.1 Waste products and sources of pollution		x		Avoidance of environmental pollution due to waste materials generated
6.1.2 Storage of waste		x		
6.1.3 Waste management		x		Conservation of resources through implementation of a recycling system
7.1.1 Worker's instruction and qualification			x	Minimising potential health and safety hazards to employees

Requirement Guideline Production	Pillars of sustainability			Reference to fields of action/sustainability, examples
	Economy	Ecology	Social	
7.1.2 Protective clothing and equipment, user protection			x	

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