Version Eurepgap	Eurepgap-Vers. Sept. 2001	Eurepgap-Vers. 2.1 Oct 2004	Eurepgap-Vers. 3.0-1 Jul 2007
Control points <u> Control points:</u>	Requirements Tot. 107 Major 22 Minor 44 Recommendations 41 <u>Complaints form</u> - 1 Maj	Requirements Tot. 204 Major 49 Minor 89 Recommendations 66 <u>Complaints form</u> - 2 Maj	Requirements Tot. 236 Major 74 Minor 125 Recommendations 37 <u>Complaints -</u> 2 Maj
Control points:	Complaints form - 1 Maj Crop protection (Basic elements of crop protection, Choice of chemicals, Advice on quantity and type of pesticide, Records of application, Safety training and instructions, Protective clothing/equipment, Pre-harvest interval, Spray equipment, Disposal of surplus application mix, Pesticide residue analysis, Pesticide storage, Empty pesticide containers, Obsolete pesticides) – 9 Maj, 30 min and 13 Rec Environment issues (Impact of farming on the environment, Wildlife and conservation policy, unproductive sites) – 1Min and 3 Rec Fertilizer usage (Nutrient requirement, Advice on quantity and type of fertilizer, Records of application, Timing and frequency of application,	Cropprotection(Basicelementsofcropprotection,Choiceofchemicals,Recordsofapplication,Pre-harvestinterval,Applicationequipment,Disposal of surplusapplicationmix,Plantprotectionproductresidueanalysis,Cropprotection,productstorage and handling,Emptycropprotection productcontainers,Obsoleteplantprotectionproduct) – 15Maj,43min and 6RecEnvironmentissues (Impact offarmingonthe environment,wildlifeandconservationpolicy,unproductivesites) –1Minand 7Recordsofapplication,Applicationmachinery,	Environment and conservation (Impact of farming on the environment and biodiversity, unproductive sites, Energy efficiency) – 1 Min e 7 Rec Ertilizer use (Nutrient requirement, Advice on quantity and type of fertilizer, Records of application,
	Application machinery, Fertilizer storage, Organic manure) – 2 Maj, 9 Min, 9 Rec	fertilizer, Inorganic fertilizer) – 2 Maj, 15 Min, 4 Rec	Fertilizer storage, Organic fertilizer, Inorganic fertilizer) – 2 Maj, 19 Min, 2 Rec
	<u>Harvesting</u> (Hygiene, Packaging on-farm) –4 Min, 1 Rec	Harvesting(Hygiene,Packaging/Harvestingcontainerson-farm,Producepacked at point of harvest) – 6Maj,Mai,Almin,2 Rec	<u>Harvesting</u> (General, Final produce packing at point of harvest) – 13 Maj, 4 Min
	<u>Internal audit</u> – 1 Maj		Integratedpestmanagement(Choice of plantprotectionproducts,Recordsofapplication,Pre-harvestinterval,Applicationequipment,Disposal of surplus

Table S1. Control points provided for by the different versions of the Eurepgap / GLOBALG.A.P. IFA FV protocol.

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	Irrigation (Predicting irrigation requirement, Irrigation method, quality of irrigation water, Supply Irrigation water) – 1 Maj, 6 Min Post-harvest treatments (Post- harvest chemicals, Post- harvest washing) – 4 Maj, 3 Min, 2 Rec	Irrigation/fertigation (Predicting irrigation requirement, Irrigation/fertigation method, quality of irrigation water, Supply Irrigation/fertigation water) – 1 Maj, 15 Rec Produce handling (Hygiene, Post-harvest washing, Post- harvest treatments, On-farm facility for produce handling and/or storage personal hygiene) –13 Maj, 14 Min, 5 Rec	applicationmix,Plantprotectionproductresidueanalysis,Plantprotectionproductsstorage,Plantprotectionproducthandling,Empty plantprotectionproductcontainers,obsoleteplantprotectionproduct) -23 Maj, 42min e 5 Rec_Irrigation/fertigationirrigation(Predictingirrigationrequirement,Irrigation/fertigationIrrigation/fertigation/fertigationwater,SupplyIrrigation/fertigationwater) - 1 Maj, 5 Min e 5 Rec_Produce handling (Principles ofhygiene,Personalhygiene,PersonalSanitary facilities,Packing andstorage areas,Quality control,Rodent and bird control,Post-harvest washing,Post-harvest washing,Post-harvest washing,Post-harvest Recall – 1 MajPropagation material (Choice ofa variety of rootstock) – 1 RecPropagation material (Qualityand health,Pest and diseaseresistance,Chemical treatmentsand dressing,Sowing/planting,OGM) - 3 Maj, 8 Min and 2 Rec
	<u>Records-Keeping</u> (Record Keeping) – 1 Min Site history and site	<u>Record keeping and internal</u> self-assessment/internal <u>inspection -</u> 3 Maj, 1 Min Site history and site	<u>Record keeping and internal</u> <u>self-assessment/internal</u> <u>inspection -</u> 2 Maj, 1 Min Site history and site
	<u>management</u> (Site history, Rotations) - 2 Maj and 5 Min	<u>management -</u> 2 Maj, 1 Min, 1 Rec	<u>management</u> (Rotations) - 1 rec <u>Site history and site</u> <u>management</u> -2 Maj e 2 Min
	Soilandsubstratemanagement(Soiltypemapping,Cultivation,Soilerosion,Soilfumigation,Substrates)–1Maj,4Min,5Rec <u>Traceability</u> -1Varietiesandrootstocks(Choiceofavarietyofrootstock,Seedquality,Pestanddiseaseresistance/Tolerance,Seed	Soil and substrate management (Soil mapping, Soil erosion, Cultivation, Soil fumigation, substrates) – 1 Maj, 3 Min and 6 Rec <u>Traceability</u> - 1Maj- <u>Varieties and rootstocks</u> (Choice of variety or rootstock, seed/rootstock quality, pest and disease resistance, Seed treatments and dressing,	Soil and substrate management (Soil fumigation, Substrates) – 1 Maj, 2 Min, 2 Rec Soil management (Soil mapping, Soil erosion, Cultivation) – 1 Min e 2 Rec <u>Traceability –</u> 1Maj
	treatments and dressings, Nursery stock, Genetically	Propagation material, OGM) – 1 Maj, 6 Min, 4 Rec)	

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	Modified Organisms (GMO) -		
	1 Maj, 7 Min, 5 Rec		
	Waste and Pollution	Waste and Pollution	Waste and Pollution
	management, Recycling and	management, Recycling and	management, Recycling and re-
	re-use (Identification waste	re-use (Identification waste	use (Identification waste and
	and pollutants, Waste and	and pollutants, Waste and	pollutants, Waste and
	pollutions action plan) - 3 Rec	pollutions action plan) - 6 Rec	pollutions action plan) - 1 Maj, 1
	ponutions action plan, o lice	ponutions action plan, o field	Min and 3 Rec
	Warkers Health Safety and	Worker Health Safety and	
	Workers Health, Safety and	Worker Health, Safety and	Workers Health, Safety and
	Welfare (Risk assessment,	<u>Welfare</u> (Risk assessment,	Welfare (Risk assessment,
	Training, Facilities and	Training, Facilities, Equipment	Training, Hazards and first aid,
	equipment, Pesticides	and accident procedures, Crop	Protective clothing/ equipment,
	handling, Hygiene, Welfare) -	protection product handling,	Workers welfare,
	1 Maj, 6 Min and 8 Rec	Protective clothing/	subcontractors) - 4 Maj, 17 Min
		equipment, Welfare, Visitors	and 1 Rec
		safety) - 2 Maj, 13 Min and 9	
		Rec	
Version	GLOBALG.A.PVers. 4.0	GLOBALG.A.PVers. 5.0-2	GLOBALG.A.PVers. 5.2 Feb.
GLOBALG.A.P.	March 2011 e GLOBALG.A.P.	Jul e Vers. 5.1 Feb. 2018	2019
	Vers. 4.0-2 March 2013	<u>, </u>	
Control points	Requirements Tot. 232	Requirements Tot. 217	Requirements Tot. 222
control points	Major 95	Major 89	Major 93
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	Minor 117	Minor 110	Minor 114
	Recommendations 22	Recommendations 18	Recommendations 15
Control points	<u>Application equipment</u> - 1	Application equipment	Application equipment
	Min, 1 Rec		
	<u>Complaints</u> - 1 Maj	<u>Complaints</u>	<u>Complaints</u>
	Environment and conservation	Environment and conservation	Environment and conservation
	(Impact of farming on the	(Impact of farming on the	(Impact of farming on the
	environment and biodiversity,	environment and biodiversity,	environment and biodiversity,
	unproductive sites, Energy	unproductive sites, Energy	unproductive sites, Energy
	efficiency) – 1 Maj, 1 Min and	efficiency, water	efficiency, water
	3 Rec	collection/recycling)	collection/recycling)_
			5 0,-
	<u>Fertilizer use</u> (Nutrient	<u>Fertilizer use</u> (Nutrient	<u>Fertilizer use</u> (Nutrient
	requirement, Advice on	requirement, Advice on	requirement, Advice on
	quantity and type of fertilizer,	quantity and type of fertilizer,	quantity and type of fertilizer,
	11 '	11 '	11 '
	Application machinery,	Application machinery,	Application machinery,
	Fertilizer storage, Organic	Fertilizer storage, Organic	Fertilizer storage, Organic
	fertilizer, Inorganic fertilizer,	fertilizer, Inorganic fertilizer,	fertilizer, Inorganic fertilizer,
	nutrient content) – 2 Maj, 18	nutrient content)	nutrient content)
	Min, 1 Rec -		
	<u>Food defense</u> - 1 Maj –	Food defense	Food defense
		Food fraud mitigation	Food fraud mitigation
		Food safety policy declaration	Food safety policy declaration
	GLOBALG.A.P. Status - 1	GLOBALG.A.P. Status	GLOBALG.A.P. Status
	Maj e 1 Min		
	Harvesting (General, Final	Harvesting (General, Final	Harvesting (General, Final
	produce packing at point of	produce packing at point of	produce packing at point of
		harvest)	harvest)
	harvest) – 15 Maj, 3 Min		
1		Hygiene	<u>Hygiene</u>

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	Integrated pest management	Integrated pest management	Integrated pest management
	(Advice, Prevention activity,	(Advice, Prevention activity,	(Advice, Prevention activity,
	observation and monitoring,	observation and monitoring,	observation and monitoring,
	intervention, antiresistance	intervention, antiresistance	intervention, antiresistance
	advice) - 3 Maj, 2 Min -	advice)	advice)
	Irrigation/fertigation		
	(Predicting irrigation		Labelling
	requirement,		
	Irrigation/fertigation method,		
	quality of irrigation water,		
	Supply Irrigation/fertigation		
	water) – 2 Maj, 6 Min e 4 Rec -		
	<u>Logo use</u> – 1 Maj –	<u>Logo use</u>	Logo use
		Mass balance	Mass balance
			Non-conforming products
	Pesticides (Choice of plant	Pesticides (Choice of plant	Pesticides (Choice of plant
	protection products, Advice on	protection products, Advice on	protection products, Advice on
	quantity and type of pesticides,	quantity and type of pesticides,	quantity and type of pesticides,
	Records of application, Pre-	Records of application, Pre-	Records of application, Pre-
	harvest interval, Application	harvest interval, Application	harvest interval, Application
	equipment, Disposal of surplus	equipment, Disposal of surplus	equipment, Disposal of surplus
	application mix, Plant	application mix, Plant	application mix, Plant
	protection product residue analysis, Plant protection	protection product residue analysis, Plant protection	
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	products storage, Plant	products storage, Plant	products storage, Plant
	protection product handling,	protection product handling,	protection product handling,
	Empty plant protection	Empty plant protection	Empty plant protection product
	product containers, application	product containers, application	containers, application of
	of substances other than	of substances other than	substances other than pesticides
	pesticides and fertilizers	pesticides and fertilizers	and fertilizers obsolete plant
	obsolete plant protection	obsolete plant protection	protection product)
	product) – 21 Maj, 36 min e 1	product)	
	Rec –		
	<u>Pre-harvest</u> (Water quality	<u>Pre-harvest</u> (Water quality	Pre-harvest (Water quality used
	used for the application of	used on pre-harvest activities,	on pre-harvest activities, Water
	pesticides, application of	Water quality used for the	quality used for the application
	organic fertilizers, pre-harvest	application of pesticides,	of pesticides, application of
	checks) -2 Maj, 1 Min -	application of organic	organic fertilizers of animal
		fertilizers of animal origin, pre-	origin, pre-harvest checks)
		harvest checks)	
	Produce handling (Principles	Produce handling (Principles	Produce handling (Principles of
	of hygiene, Personal hygiene,	of hygiene, Personal hygiene,	hygiene, Personal hygiene,
	Sanitary facilities, Packing and	Sanitary facilities, Packing and	Sanitary facilities, Packing and
	storage areas, Quality control,	storage areas, Quality control,	storage areas, Quality control,
	Rodent and bird control, Post-	Rodent and bird control, Post-	Rodent and bird control, Post-
	harvest washing, Post-harvest	harvest washing, Post-harvest	harvest washing, Post-harvest
	treatments) – 22 Maj, 17 Min, 5	treatments)	treatments)
	Rec -	,	/
	<u>Products Recall</u> – 1 Maj -	Products Recall	Products Recall
	<u>Propagation material</u> (Quality	Propagation material (Quality	<u>Propagation material</u> (Quality
	and health, Chemical	and health, Chemical	and health, Chemical
	treatments and dressing,	treatments and dressing,	treatments and dressing, OGM)
	OGM) - 3 Maj, 7 Min e 1 Rec.	OGM)	$\frac{1}{1}$
	-5.51 (1) -5.1 (1) $($		
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Record keeping a self-assessment/inte		keeping and internal ssment/internal	Record keeping and internal self-assessment/internal
inspection -2 Maj, 1			inspection
	and site Site h		Site history and site
management -2 Ma	j e 2 Min - manager	nent	management
		management (Risk	<u>Site management</u> (Risk
	assessme	0	assessment)
Soil manageme		management (Soil	Soil management (Soil
mapping, Soil	erosion, mapping	z, Soil erosion,	mapping, Soil erosion,
Cultivation) – 1 Min			Cultivation)
Soil and		management (Soil	Soil management (Soil
management (Soil	fumigation, fumigati	on, Substrates)	fumigation, Substrates) _
Substrates) – 1 Ma			
Rec -			
<u>Subcontractors</u> – 2	Min – <u>Subconti</u>	ractors_	Subcontractors
<u>Traceability</u> - 1Maj			Traceability
Traceability and	Segregation Traceabi	lity and Segregation	Traceability and Segregation
(Production/paralle	l (Product	tion/parallel	(Production/parallel
ownership) – 8 Maj	– ownersh	ip)	ownership)
		-	_
Waste and	Pollution Waste	and Pollution	Waste and Pollution
management, Rec	vcling and manager	nent, Recycling and	management, Recycling and re-
<u>re-use</u> (Identificat	ion waste <u>re-use</u>	(Identification waste	use (Identification waste and
and pollutants,	Waste and and po	llutants, Waste and	pollutants, Waste and
pollutants action pl	an) - 1 Maj, pollutior	ns action plan)	pollutions action plan)_
1 Min e 2 Rec			
	Water	management	Water management (Predicting
	(Predicti	ng irrigation	irrigation requirement, efficient
	requirem	nent, efficient use of	use of water in the company,
	water in	the company, quality	quality of irrigation water,
	of irrig	ation water, Supply	Supply Irrigation/fertigation
	Irrigation	n/fertigation water,	water, water storage facilities)_
	water sto	orage facilities)	
Workers Health,	Safety and Workers	Health, Safety and	Workers Health, Safety and
Welfare (Health	and safety, <u>Welfare</u>	(Health and safety,	Welfare (Health and safety,
Hygiene, Risk	assessment, Risk a	ssessment, Training,	Risk assessment, Training,
Training, Hazards a	nd first aid, Hazards	and first aid,	Hazards and first aid,
Protective	clothing/ Protectiv	ve clothing/	Protective clothing/ equipment,
equipment, Worke	rs welfare, equipme	ent, Workers welfare)	Workers welfare)
subcontractors) - 4	Maj, 17 Min		
and 1 Rec.			