

EUREPGAP

Checklist

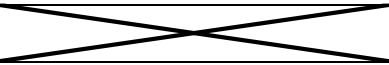






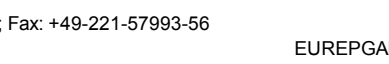
Flowers and Ornamentals

Version 1.1-Jan04

Valid from: 12th September 2003

Section	Control Point	Level	Complies	Not Applicable & Justification	Comments
4. SITE HISTORY AND SITE MANAGEMENT					
4.1 Site History					
4.1.1	Has a recording system been established for each field, orchard or greenhouse?	Required			
4.1.2	Has a visual identification or reference system for fields or greenhouses been established?	Required			
4.1.3	Has a risk assessment been undertaken for new agricultural sites taking into account the prior use of land and the potential impact of the production on adjacent crops and other areas?	Required			
4.1.4	Is there a documented management plan, setting out strategies to minimise all identified risks?	Required			
4.1.5	Does this management plan show the site in question to be suitable for agricultural production?	Required			
4.2 Rotations					
4.2.1	Does documentation exist that demonstrates crop rotation is carried out on the farm?	Required			
4.2.2	In absence of crop rotation, is there a written justification for this absence?	Required			
5. SOIL AND SUBSTRATE MANAGEMENT					
5.1 Soil Mapping					
5.1.1	Have soil maps been prepared for the farm?	Encouraged			
5.2 Cultivation					
5.2.1	Has mechanical cultivation been used where proven to improve or maintain soil structure, and to avoid soil compaction?	Encouraged			
5.3 Soil Erosion					
5.3.1	Are field cultivation techniques used to reduce the possibility of soil erosion?	Required			
5.4 Soil Fumigation					
5.4.1	Is there a written justification for the use of soil fumigants?	Required			
5.4.2	Have alternatives to chemical fumigation been explored before resorting to use of chemical fumigants.	Encouraged			

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5.5 Substrates					
5.5.1	If substrates are used, are records available to demonstrate the suitability of these substrates?	Required			
5.5.2	Does the grower participate in substrate recycling programmes for substrates?	Encouraged			
5.5.3	If chemicals are used to sterilise substrates for reuse, has the location of sterilisation been recorded?	Required			
5.5.4	If chemicals are used to sterilise substrates for reuse, has the date of sterilisation been recorded?	Required			
5.5.5	If chemicals are used to sterilise substrates for reuse, has the type of chemical used been recorded?	Required			
5.5.6	If chemicals are used to sterilise substrates for reuse, has the method of sterilisation been recorded?	Required			
5.5.7	If chemicals are used to sterilise substrates for reuse, has the name of the operator been recorded?	Required			
5.5.8	When substrates are reused, has steaming been used as the preferred option for sterilisation?	Encouraged			
5.5.9	Are substrates traceable to the source and do they not come from designated conservation areas?	Required			
6. FERTILISER USE					
6.1 Nutrient Requirement					
6.1.1	Has a cropping or soil care plan been developed to ensure minimisation of nutrient loss?	Encouraged			
6.1.2	Has the application of fertilisers been based on a calculation of the nutrient requirements of the crop and on appropriate routine analysis of nutrient levels in the soil, the crop or the nutrient solution?	Encouraged			
6.1.3	Does the fertiliser application meet the needs of the crops as well as maintaining soil fertility?	Required			
6.2 Advice on Quantity and Type of Fertilizer					
6.2.1	Can the technically responsible person demonstrate competence to estimate quantity and type of fertiliser to use?	Required			
6.3 Records of Application					
6.3.1	Have all applications of soil and foliar fertilisers been recorded including field or block reference?	Required			
6.3.2	Have all application dates of soil and foliar fertilisers been recorded?	Required			
6.3.3	Have all applications of soil and foliar fertilisers been recorded including applied fertiliser types?	Required			
6.3.4	Have all quantities of soil and foliar fertilisers applied been recorded?	Required			
6.3.5	Have all applications of soil and foliar fertilisers been recorded including the method of application?	Required			
6.3.6	Have all applications of soil and foliar fertilisers been recorded including the operator details?	Required			

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7. IRRIGATION and FERTIGATION					
7.1 Predicting Irrigation Requirements					
7.1.1	Have methods of systematically predicting the crop requirement for water been utilised?	Encouraged			
7.1.2	Is irrigation application calculated taking into account predicted rainfall?	Encouraged			
7.2 Irrigation Method					
7.2.1	Has the most efficient and commercially practical water delivery system been used to ensure the best utilization of water resources?	Encouraged			
7.2.2	Has consideration been given to a water management plan to optimise water usage and reduce waste?	Encouraged			
7.2.3	Are records of irrigation water usage maintained?	Encouraged			
7.3 Quality of Irrigation Water					
7.3.1	Is or has untreated sewage water not been used for irrigation?	Required			
7.3.2	Has a risk assessment for irrigation water been completed?	Encouraged			
7.3.3	Is irrigation water analysed at least once a year?	Encouraged			
7.3.4	Have the analysis results been compared against accepted standards?	Encouraged			
7.3.5	Have any adverse results been acted upon?	Encouraged			
7.4 Supply of Irrigation Water					
7.4.1	Has irrigation water been abstracted from sustainable sources?	Encouraged			
7.4.2	Has advice on abstraction been sought from water authorities?	Encouraged			
8. CROP PROTECTION					
8.1 Basic Elements of Crop Protection					
8.1.1	Has the protection of crops against pests, diseases and weeds been achieved with the appropriate minimum application of crop protection products input?	Required			
8.1.2	Do growers apply recognised IPM techniques on a preventive basis.	Encouraged			
8.1.3	Has assistance with implementation of IPM systems been obtained through training or advice?	Encouraged			

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8.2 Choice of Crop Protection Products					
8.2.1	Have selective products been used that are appropriate for the control required and specific to the target pest, weed or disease, and which have a minimal effect on populations of beneficial organisms, aquatic life, workers and consumers, and are not detrimental to the ozone layer?	Required			
8.2.2	Has an anti-resistance strategy been implemented to maintain the effectiveness of available crop protection products?	Encouraged			
8.2.3	Do growers only use chemicals that are registered in the country of use for the target crop where such official registration scheme exist, or, in its absence, comply with the specific legislation of the country of destination?	Required			
8.2.4	Is a current list of all products that are used and approved for use on crops being grown, kept?	Required			
8.2.5	Does this list take account of any changes in crop protection products legislation?	Required			
8.2.6	Is the grower informed of restrictions on certain chemicals in individual countries where his products are being sold?	Required			
8.2.7	Has grower consulted customers to determine if any additional commercial restrictions exist re crop protection products?	Encouraged			
8.2.8	Is there evidence that label instructions have been followed?	Required			
8.3 Advice on Quantity and Type of Crop Protection Products					
8.3.1	Have recommendations for application of crop protection products been given by competent, qualified advisers holding a recognised national certificate or similar?	Required			
8.3.2	If no advisers were used, can growers demonstrate their competence and knowledge?	Required			
8.3.3	Does the quantity of spray mix calculation consider the velocity of application?	Required			
8.3.4	Does this calculation consider the surface area to be covered?	Required			
8.3.5	Does this calculation consider the pressure of application system?	Required			

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8.4 Records of Application					
8.4.1	Have all the crop protection products applications been recorded including the crop name?	Required			
8.4.2	Have all the crop protection products applications been recorded including the application location?	Required			
8.4.3	Have all the crop protection products applications been recorded including application date?	Required			
8.4.4	Have all the crop protection products applications been recording including justification for application?	Required			
8.4.5	Have all the crop protections products applications been recorded including the technical authorisation for application?	Required			
8.4.6	Have all the crop protection products applications been recorded including the product trade name?	Required			
8.4.7	Have all the crop protection products applications been recorded including the product quantity applied?	Required			
8.4.8	Have all the crops protection products applications been recorded including the applications machinery used?	Required			
8.4.9	Have all the crop protection products applications been recorded including the operator name?	Required			
8.4.10	Have all the crop protection products applications been recorded including the re-entry time?	Required			
8.5 Safety, Training and Instructions					
8.5.1	Are workers handling and applying crop protection products trained?	Required			
8.5.2	Do clear instructions or symbols detailing the location of application accompany each application?	Encouraged			
8.5.3	Is each application accompanied by clear instructions or symbols detailing the chemical dosage?	Encouraged			
8.5.4	Is each application accompanied by clear instructions or symbols detailing the required application technique?	Encouraged			
8.6 Re-entry Time					
8.6.1	Have the recomendem re-entry times been observed?	Required			

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8.9 Crop Protection Products Storage					
8.9.12	Are there facilities for mixing crop protection products?	Required			
8.9.13	Are there emergency facilities to deal with operator contamination?	Required			
8.9.14	Are there emergency facilities to deal with accidental spillage?	Required			
8.9.15	Are keys and access to the crop protection products store limited to workers with formal training in the handling of crop protection products?	Required			
8.9.16	Is the accident procedure evident within 10 meters of the crop protection products store?	Required			
8.9.17	Is the product inventory documented and readily available?	Required			
8.9.18	Are all crop protection products stored in their original package?	Required			
8.9.19	Are only those chemicals that are approved for use on the crops produced in the crop rotation stored on the farm?	Required			
8.9.20	Are powders stored on shelves above liquids?	Required			
8.9.21	Are signs warning of potential dangers placed on access doors?	Required			
8.10 Empty Crop Protection Products Containers					
8.10.1	Are empty crop protection products containers not re-used?	Required			
8.10.2	Does disposal of empty crop protection products containers occur in a manner that avoids exposure to humans?	Required			
8.10.3	Does disposal of empty crop protection products containers occur in a manner that avoids contamination of the environment?	Required			
8.10.4	Are official collection and disposal systems used?	Encouraged			
8.10.5	Are empty containers rinsed via the use of an integrated pressure-rinsing device on the sprayer, or at least three times with water?	Required			
8.10.6	Is the rinsate returned to the spray tank?	Required			
8.10.7	Are containers pierced to prevent re-use and adequately labelled according to the rules of a collection system?	Required			
8.10.8	Are empty containers kept secure until disposal is possible?	Required			
8.10.9	Are all local regulations regarding disposal or destruction of containers observed?	Required			

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12.2 Training					
12.2.1	Has formal training or instructions been given to all workers operating dangerous or complex equipment?	Required			
12.2.2	Is a record of training kept for each worker?	Encouraged			
12.2.3	Is there always at least one person trained in First Aid present on each farm at any one time whenever on-farm activities are being carried out?	Encouraged			
12.2.4	Are accident and emergency instructions clearly understood by all workers?	Required		XXXXXXXXXX	
12.3 Facilities, equipment and accident procedures					
12.3.1	Are First Aid boxes present in the vicinity of the work?	Required			
12.3.2	Are hazards clearly identified by warning signs?	Encouraged			
12.3.3	Do accident and emergency procedures exist?	Required		XXXXXXXXXX	
12.3.4	Is the accident procedure evident within 10 meters of the crop protection product store?	Required		XXXXXXXXXX	
12.3.5	Are signs warning of potential dangers placed on access doors?	Required		XXXXXXXXXX	
12.4 Crop Protection Product Handling					
12.4.1	Are health checks in line with guidelines laid down in local codes of practice?	Encouraged			
12.5 Protective Clothing/Equipment					
12.5.1	Are workers (including subcontractors) equipped with suitable protective clothing in accordance with label instructions?	Required		XXXXXXXXXX	
12.5.2	Is protective clothing cleaned after use?	Required			
12.5.3	Are growers able to demonstrate that they follow label instructions with regard to use of protective clothing and equipment?	Required		XXXXXXXXXX	
12.5.4	Is protective clothing and equipment stored separately from crop protection products?	Required		XXXXXXXXXX	
12.5.5	Are there facilities to deal with operator contamination?	Required		XXXXXXXXXX	
12.6 Welfare					
12.6.1	Is a member of management clearly identifiable as responsible for worker health, safety and welfare issues?	Required		XXXXXXXXXX	
12.6.2	Do regular two way communication meetings take place between management and employees? Are there records from such meetings?	Encouraged			
12.6.3	Are on site living quarters habitable and do they have the basic services and facilities?	Required			
12.7 Visitors Safety					
12.7.1	Are all subcontractors and visitors aware of the relevant demands on personal safety?	Required			

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13. ENVIRONMENTAL ISSUES					
13.1 Impact of farming on the Environment					
13.1.1	Does the grower understand and assess the impact his farming activities have on the environment?	Encouraged			
13.1.2	Has the grower considered how he can enhance the environment for the benefit of the local community and flora and fauna?	Encouraged			
13.2 Wildlife and Conservation Policy					
13.2.1	Has an appropriate conservation management plan been established (either individually or on a regional basis)?	Required		Not Applicable & Justification	
13.2.2	Does grower have a management of wildlife and conservation policy plan for his property?	Encouraged			
13.2.3	Is this policy compatible with sustainable commercial agricultural production and minimises environmental impact?	Encouraged			
13.2.4	Does the plan contemplate the undertaking of a baseline audit to understand existing animal and plant diversity on the farm?	Encouraged			
13.2.5	Does the plan contemplate taking action to avoid damage and deterioration of habitats on the farm?	Encouraged			
13.2.6	Does the plan contemplate the creation of an action plan to enhance habitats and increase bio-diversity on the farm?	Encouraged			
13.3 Use of Energy					
13.3.1	Has an energy management plan been established to minimise energy consumption?	Required			
14. COMPLAINT FORM					
14.1.1	Is there a complaint document available on the site?	Required		Not Applicable & Justification	
14.1.2	Does the complaints procedure ensure that complaints are adequately recorded, studied and followed up including a record of actions taken?	Required		Not Applicable & Justification	
15. INTERNAL AUDITS					
15.1.1	Does the grower undertake a minimum of one internal audit per annum against the EUREPGAP Standard?	Required		Not Applicable & Justification	
15.1.2	Is the internal audit documented and recorded?	Required		Not Applicable & Justification	
15.1.3	Are appropriate corrective actions taken as a result of internal audit?	Required		Not Applicable & Justification	