

Eurep-Gap in practice

Authors: Frank Schoorl
Marcel van der Voort



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Where does Eurep-GAP comes from?

- Euro-Retail Produce Working Group (EUREP)
- Objective is to agree on standards and procedures for the development of GAP
- It has no link with EU directives, it is a market (retail) demand
- A set of normative documents
- Worldwide standard, with local variations. JGAP (Japan), Kenya-GAP, etc.



Members of Eurep organisation

- Aoen (Japan)
- Ahold (NL)
- Aldi (Germany)
- Asda (UK)
- CBL (NL)
- Coop (Suisse)
- Delhaize (Belgium)
- Edeka (Germany)
- Eroski (Spain)
- Kelko (Finland)
- Laurus (NL)
- Lidl (Germany)
- Marks and Spencers (UK)
- McDonalds (Germany)
- Metro Group (Germany)
- Migros (Suisse)
- Musgrave (Ireland)
- Saintsburry (UK)
- Schuitema (NL)
- Somerfield (UK)
- Spar (Austria)
- Superunie (NL)
- Tegut (Germany)
- Tesco (UK)
- Waitrose (UK)
- Wm Morrisons (UK)



Why was Eurep-GAP developed?

- To maintain confidence of consumers in food quality and food safety (Eurep.org)
- Food safety scares in Europe (BSE, Salmonella, Dioxin, pesticide residues (recalls))
- Consumers need the assurance that the food is safe.
- Awareness of environment and social issues.
- Uniformity of the applied standards
- Passing on legal liability to the producer! (although they do not mention it!)



Goal of Eurep-GAP

- Reduction of risk food safety lapses in Agriculture production
- Objectively verification of best practice through protocol & compliance criteria
- Provide forum for continues improvement.
- Improvement of consumer confidence
- Focus on reliable products, ethically and socially balanced products
- Introduction of one general system



Eurep-Gap (1)

- Eurep-Gap
 - General regulations
 - Checklist
 - Control points and compliance criteria (objective and reproducible judgment)
- www.eurep.org for checklist, choose fruit and vegetables, then documents and select language (available in Polish / Hungarian / Romanian / English / etc.)



Eurep-Gap (2)

- Same regulations, checklist, control points & criteria for each country.
- Differences in national legislation (crop protection, worker health, safety and welfare)



Compliance levels for certification

- Major & minor musts & recommendations.
 - Major musts: 100%
 - Minor musts: 95%
 - Recommendations: no minimum level
- All control points must be audited, including the recommendations



Control points

- Control points spread over 14 areas related with:
 - Food safety
 - Environment protection
 - Health, safety and welfare
 - General Eupreg Gap regulations
- Checklist (general for crops)
 - 49 major control points
 - 99 minor control points
 - 66 recommendations



Eurep-Gap Checklist



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Control points: Varieties and rootstock (1)

- Record use of seed treatments
 - Name product
 - Disease targeted at
- Genetically Modified Organisms (GMOs)
 - Comply with national legislation
 - Documentation of use or production of products derived from genetic modification



Control points: Varieties and rootstock (2)

■ Propagation material

- Recognized plant health certification
- Save documents of propagation material (quality guarantees)
- In-house nursery propagation material
 - Record use crop protection products
 - Plant health quality control system



Control points: History and site management

■ New agricultural sites

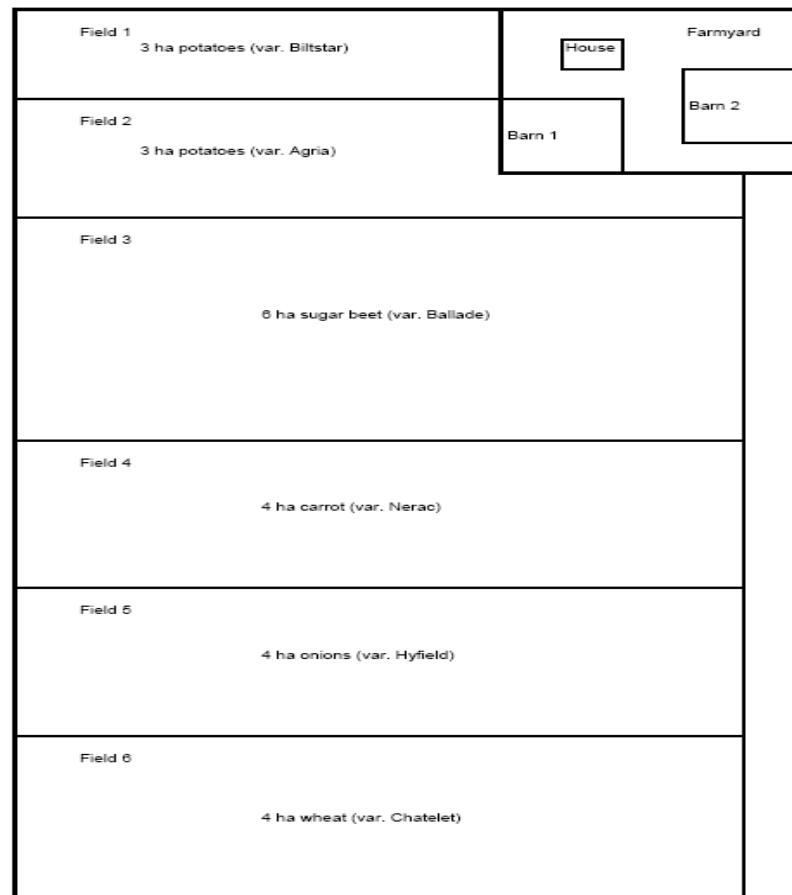
- Risk assessment of suitability for food production.
- Action plan to minimize identified risks

■ Site management

- Recording system for each field (variety level)
- Visual identification system
(signs start or end of field, row numbers)



Control point: Recording system for each field



Control points: Soil

- Use of techniques reducing the possibility of soil erosion
- Justification for use of soil fumigants



Control points: Soil erosion



Control points: Fertilizer use (1)

- Demonstrate competence technically responsible person.
- Records of application
 - Field, date, quantity, organic or inorganic, method, operator
- Application machinery
(good condition & annually checked)
- Risk assessment source organic fertilizer



Control points: Fertilizer storage



Control points: Fertilizer use (2)

- Fertilizer storage (stock inventory; covered, clean, dry & reduced risk of contamination of water sources)
- Fertilizer storage (separated from produce and plant material)
- No use of human sewage sludge



Control points: Irrigation/ Fertigation

- No use of untreated sewage water
- A lot of recommendations related to:
 - Optimize usage and reduce waste
 - Testing water quality (microbial, chemical contamination)



Control points: Crop protection (1)

Basic elements

- Use of appropriate minimum of the crop protection product
- Follow anti-resistance recommendations (use more than one product)
- Advice or training on implementation of IPM (Integrated Pest Management)



Control points: Crop protection



Control points: Crop protection (2)

Choice of chemicals

- Suitable for pest or disease (product label)
- Registered in the country of use
- Demonstrate competence of advisers or grower (in product choice)
- Have a list available of registered products in the country
- Application rate: accurate, calculated, prepared and recorded according to label



Control points: Crop protection calculate & keep records



Datum Toepassing	Toelatings-nummer	Toegepast middel	Reden Toepassing	Hoeveelheid kg/l of li	Perceel	Oppervlakte	Toepassings-	Gewas Ras
14-11		allround 1000g	allround		22-11			
17-11		allround 7.75			22-11			
		allround 12 kg			22-11			
		allround 8.50			22-11			
		allround 10.50			22-11			
		allround 8.25			22-11			
		allround 10.50			22-11			

Control points: Crop protection (3)

Records of application

- Keep records of used crop protection products (field, date, crop, variety, name product and active ingredient)
(Operator, justification, quantity and machinery)
- Observe the registered pre-harvest intervals
- Keep records of harvest dates and locations



Control point: crop protection equipment



Control points: Crop protection (4)

- Application equipment
 - Good condition
 - Annual check (legislation?)
 - Correct handling and filling
- Dispose of surplus application mix
 - National law or
 - Spray on untreated trees or fallow land and registration in records



Control points: Crop protection (5)

Residue analysis

- Annual check of residue levels of relevant (crop) chemicals.
- Maximum residue levels of market/country where product is put on market
- Check by accredited laboratory
- Action plan if residue level is too high (to avoid that produce will be eaten, recall)



Control points: crop protection storage & measuring



Control points: crop protection (6)

Storage and handling crop protection products

- Local regulations
- Sound, secure, ventilated, retain spillage, fire-resistant, well lighted
- Facilities for measuring and mixing
- Documented inventory



Control points: Crop protection (7)

- Empty containers (no re-use, avoid exposure to humans and contamination of the environment)
- Dispose through authorized approved channels



Control points: Harvesting

- Main goal: Keep the produce safe, free from contamination (dirt, glass, micro-organisms, jewellery, pests (mice, etc.)
 - Hygiene risk analysis
 - Hygiene procedures
 - Hygienic packaging, tools and machinery
 - Hand washing facilities in vicinity
 - Toilet facilities in vicinity



Control points: Produce Handling

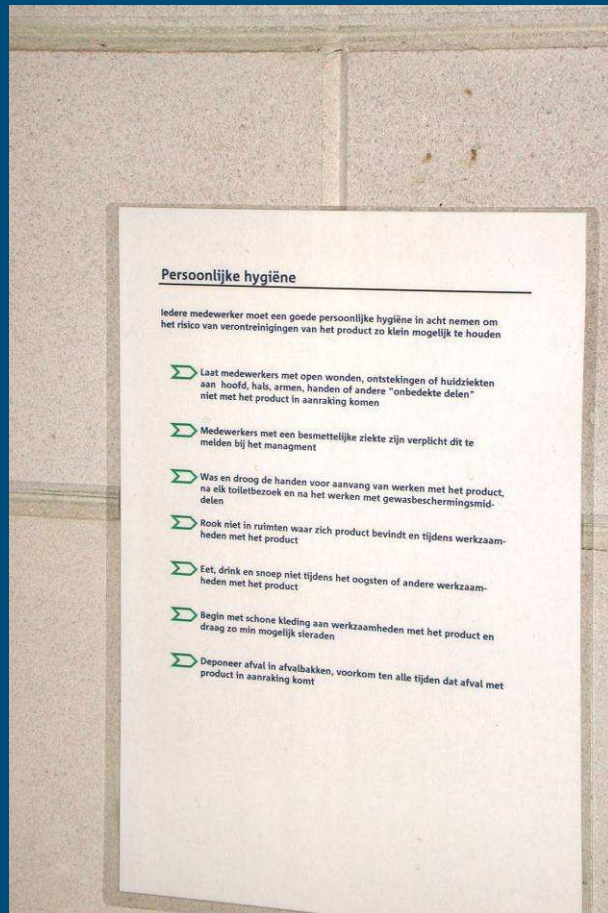
- Hygiene risk analysis
- Hygiene procedures
- Toilets and washing facilities in vicinity
- Hygiene procedure instruction of workers
- Implementation of hygiene procedure by workers
- Water for washing produce is of drinking water quality
- Re-circulated water is filtered and tested
- Laboratory is accredited



Control points: Harvest and produce handling



Control points: Harvest and produce handling



Control points: Produce handling

■ Post-harvest treatments

- Registered post-harvest crop protection product
- Used according to label
- List of registered post-harvest crop protection products present
- Records of post-harvest treatment
(produce, lot/batch, crop protection product, type of treatment, quantity, operator, justification)



Control points: Produce handling



Control points: Produce handling

Facilities for handling and storage

- Clean facilities and equipment
- Safe cleaning agents, lubricants
- Break-safe lamps or protective shield above sorting, weighing and storage area
- No animals in handling and storage area
- Adequate pest control measures



Control points: Worker Health, Safety and Welfare (1)

■ Training

- Dangerous equipment (lift truck, tractor license, cutting machine)
- Handling crop protection chemicals

■ Instructions & procedures

- In case of emergency or accident
- First aid kits present
- Warning signs
- Worker training



Control points: Worker Health, Safety and Welfare



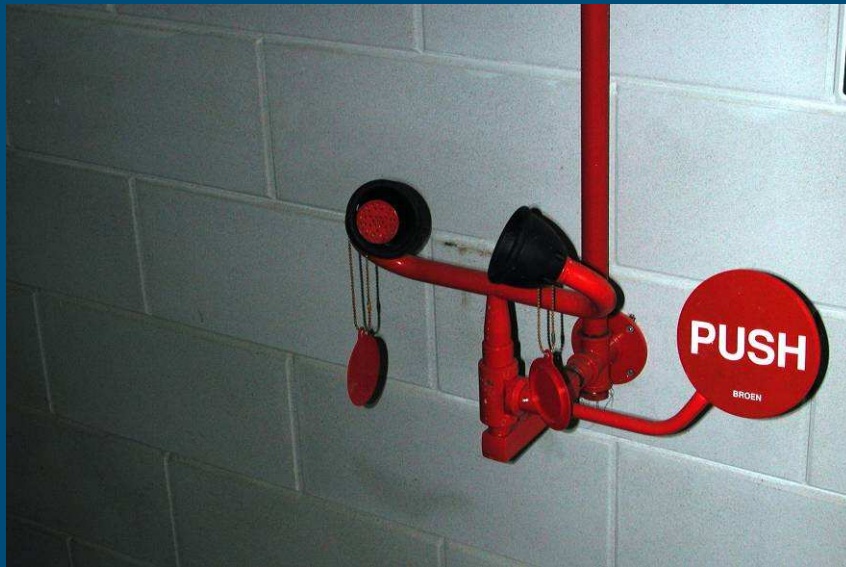
Control points: Worker Health, Safety and Welfare (2)

■ Clothing/equipment

- Use of protective clothing
- Protective clothing is stored separately from crop protection products
- Protective clothing is cleaned after use
- Facilities to deal with contamination of operator
- Basic facilities workers living on site



Control points: Worker Health, Safety and Welfare



Control points: Environmental issues

- Nature conservation plan
- Some aspects are covered under other points (fertilizer and crop protection chemicals)
- Mostly points of recommendation (now, but also in future?)



General control points

- Traceability product
 - Traceable back to farm
 - Track able from the farm
- Record keeping
 - Accessible during inspection for at least last 2 years
- Self inspection
 - Every two years
 - Documented and recorded
 - Effective corrective actions
- Complaint form
 - Complaint form Eurep-Gap
 - Complaint procedure



General control points



Eurep-GAP certificate



Certification options

- Option 1. as an individual grower
- Option 2. as a PMO (group of producers)
- Option 3. as a benchmark system.



Option 1: Individual grower

- Apply for certification with approved Certification body (after training!)
- Inspection will follow against requirements
- Successful inspection the certificate will be granted.
- Renewals every year
- 10% unannounced inspections.



Option 2: Group certification (Producers' Organisation)

- Group of growers with legal structure with joint activities.
- Central management provides info and tools to members
- Reduction of costs but higher costs for management system
- All growers have to comply only than audit and certificate.
- PMO is certificate holder! Individual can get letter of conformity but cannot carry the logo.
- Regular inspection
- The poorest participant sets the standard.



Option 3: Benchmarking own standard

- These are schemes developed by a growers association (KFC& FPEAK)
- Q&S (Germany), GMP (Dutch animal production), JGAP, Kenya-GAP, Certified Natural Meat Program (CNMP) (Uruguay), China-GAP



Eurep-GAP IFA (1)

- Integrated Farm Assurance
- New development Eurep-GAP
- March 2007
- Different schemes divided to make one complete system



Eurep-GAP IFA (2)

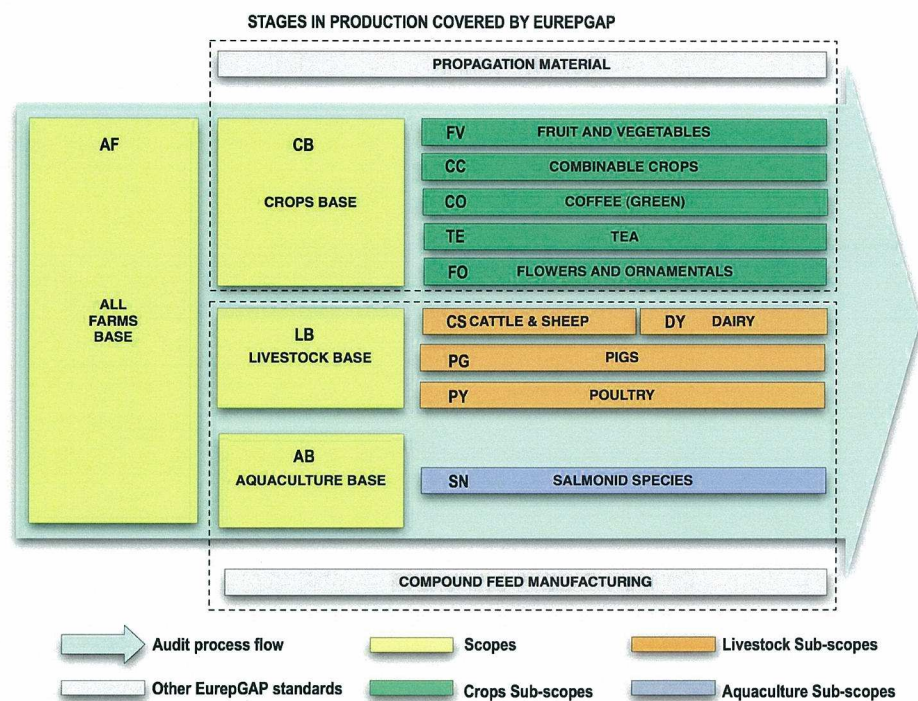
EUREPGAP

CONTROL POINTS AND COMPLIANCE CRITERIA
INTEGRATED FARM ASSURANCE | CONTENT

ENGLISH VERSION

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Standard Structure:



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Spichernstr. 55, D-50672 Köln (Cologne), Germany | Tel: +49-221-57993-25; Fax: +49-221-57993-56 | <http://www.eurepgap.org>



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Price for produce

- Common **myth** that Eurep-GAP certified farmers will receive more
- This is often not the case !!
- It is a license to deliver !!



Exercise registration

- Field registration form



Registration requirements

- A lot of work
- Advise: use record for multiple purposes
 - Yield and gross-margin calculations
 - Financial administration
 - P&O management
 - Farmer is becoming more and more a manager !!



Questions?

Info on: [http://www.ppo.wur.nl/UK/publications/Publications+PPO/agv/Eurep-GAP in the European Union](http://www.ppo.wur.nl/UK/publications/Publications+PPO/agv/Eurep-GAP%20in%20the%20European%20Union)

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