

GLOBALG.A.P.
The Global Partnership for Good Agricultural Practice



GLOBALG.A.P. WATER AND CARBON IN V4 & V5

Carbon and Water Management in Horticultural Exports from East Africa
Naivasha, Kenya
December 9, 2011

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INTRODUCTION

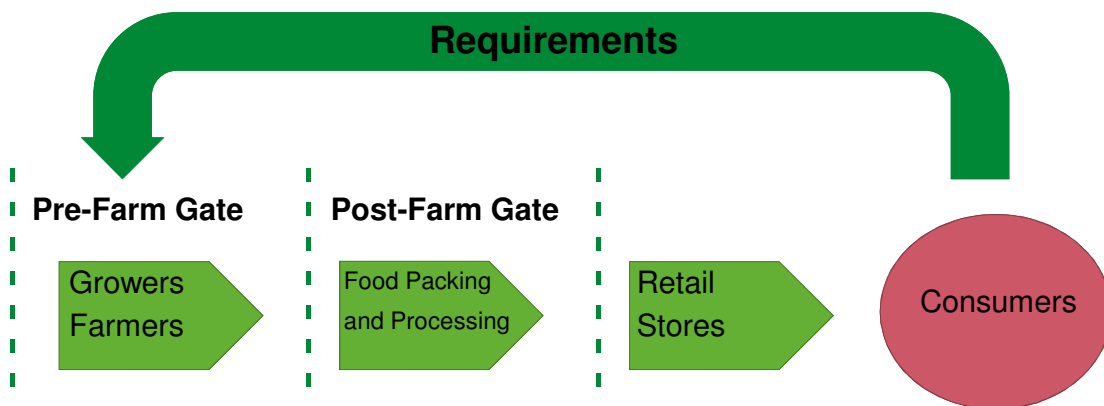
WHAT IS GLOBALG.A.P. ?

- A non-for-profit private sector body that sets voluntary standards for the certification and implementation of **Good Agricultural (including Aquaculture) Practice** around the globe
- System provider of set of standards, primarily designed to reassure consumers about **how food is produced on the farm**
- **Pre-farm gate or on-farm standards**

“The Global Partnership for Good Agricultural Practice”

INTRODUCTION

FOCUS TOWARDS CONSUMER



*ON-FARM GFSI
RECOGNIZED
SCHEME – Pending V4*

*GFSI- Global Food Safety
Initiative*

- Key components**
- **Pre-Farm Gate** Standards
 - ISO Guide 65
 - Traceability
 - **Risk Assessment**

INTRODUCTION

WHAT IS GLOBALG.A.P. ?

We are:

- **Translating consumer requirements** into Good Agricultural Practice
- Bringing trust to Farm Assurance at **affordable prices**
- Aiming at “**one standard through the farm gate**”
- A **harmonization and benchmarking platform**
- An **integrity system provider**

WE ARE NOT:

- Just another standard owner
- Founded to compete against other standards
- A certification body
- A consumer label
- Just a retailer standard
- For profit

PARTNERSHIP

*Mainstream safety and **sustainability**
of farmed products for consumers*



GLOBALG.A.P MEMBERS

RETAIL & FOOD SERVICE MEMBERS



GLOBALG.A.P MEMBERS

PRODUCER AND SUPPLIER MEMBERS



GLOBALG.A.P MEMBERS

ASSOCIATE MEMBERS



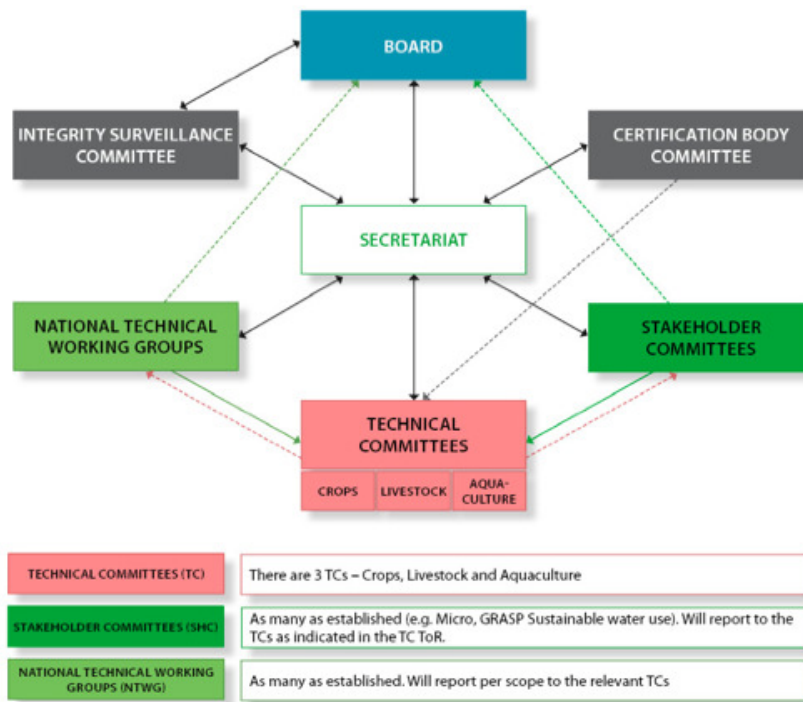
STATISTICS

COUNTRIES WITH CERTIFIED PRODUCERS

A rgentina	1100	D enmark	99	Israel	1451	Netherlands	5510	Spain	20833
Armenia	1	Dominica	6	Italy	18353	New Zealand	1661	Sri Lanka	23
Australia	108	Dominican Republic	867	J amaica	2	Nicaragua	1	Suriname	1
Austria	2228	E cador	644	Japan	88	Norway	59	Swaziland	6
Azerbaijan	1	Egypt	377	Jordan	17	O man	1	Sweden	17
B elgium	3306	Ethiopia	11	K enya	395	P akistan	96	Switzerland	61
Belize	18	F aroe Isl.	7	Korea (South)	46	Palestinian Territories	331	T aiwan	65
Bolivia	1	France	3009	L atvia	1	Panama	48	T anzania	70
Bosnia/Herzegovina	97	G ambia	2	Lebanon	7	Peru	1488	Thailand	595
Brazil	671	Georgia	1	Lithuania	1	Philippines	5	Tunisia	242
Bulgaria	9	Germany	8571	M acao	1	Poland	1048	Turkey	3034
Burkina Faso	295	Ghana	426	Macedonia	16	Portugal	411	U ganda	5
C ameroon	2	Greece	11193	Madagascar	190	Puerto Rico	4	Ukraine	1
Canada	43	Guadeloupe	34	Malaysia	21	R omania	57	United Kingdom	50
Chile	2352	Guatemala	1293	Mali	91	S aint Lucia	5	United States	360
China	254	Guinea	40	Malta	109	Saint Vincent/Grenadines		Uruguay	73
Colombia	548	H onduras	13	Martinique	52	Saudi Arabia	1	V enezuela	1
Costa Rica	310	Hungary	1372	Mexico	101	Senegal	167	Vietnam	305
Côte d'Ivoire	238	I ndia	2003	Moldova	6	Serbia/Montenegro	16	Z ambia	3
Croatia	84	Indonesia	6	Morocco	415	Slovakia	16	Zimbabwe	18
Cyprus	855	Iran	1	Mozambique	2	Slovenia	9		
Czech Republic	89	Ireland	32	N amibia	13	South Africa	1841	TOTAL	102586

GLOBALG.A.P. GOVERNANCE

PARTNERSHIP PRINCIPLE IN ALL DECISION MAKING PROCESSES



GLOBALG.A.P. NATIONAL TECHNICAL WORKING GROUPS

LOCAL INPUT IN STANDARD SETTING

America

- Argentina
- Brazil
- Chile (**Aqua/FV**)
- Colombia (**Aqua/FV**)
- Costa Rica
- Guatemala
- Mexico**
- Peru
- Uruguay
- USA**



Asia

- India
- Malaysia
- Thailand (**Aqua/FV**)
- Japan

Europe

- Belgium
- Bulgaria
- Czech Republic
- Denmark
- France
- Germany
- Greece
- Italy
- Netherlands
- Norway (Aqua and Aquafeed)**
- Poland
- Spain
- Turkey
- Ukraine

Africa

- Cote D'Ivoire**
- Egypt
- Ghana**
- Kenya**
- South Africa
- Tanzania**

THE STANDARD

GLOBALG.A.P.
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GLOBALG.A.P.
INTEGRATED FARM ASSURANCE

GENERAL REGULATIONS
CONTROL POINTS AND COMPLIANCE CRITERIA
INTERIM FINAL VERSION 4



IFA VERSION 4

LAUNCHED IN MARCH 2011

- **CROPS BASE MODULE** acknowledges the importance of **WATER** for irrigation as a scarce resource
 - Requirements around efficient use and
 - Sustainable supply



THE GLOBALG.A.P. SYSTEM

NORMATIVE DOCUMENTS – where does water fit in?

Prediction

CB.6.1.1 – systematic methods (Recom)

Irrigation/Fertigation Methods

CB.6.2.1 – Justify method to reduce waste (Major)

CB.6.2.2 – Water management plan to optimize water usage and reduce waste (Recom)

CB.6.2.3 – Records of usage (Recom)

Supply

CB.6.4.1 – Sustainable sources used (Minor)

CB.6.4.2 – Authorization/License (Minor)

GLOBALG.A.P.

**Control Points and Compliance Criteria
Integrated Farm Assurance**

CROPS BASE

English Version
Final Version 4.0_Mar2011

Valid from: 1 March 2011
Obligatory from: 1 January 2012

CB. 6.2	Irrigation/Fertigation Method		
CB. 6.2.1	Can the producer justify the methods of irrigation used in light of water conservation?	The idea is to avoid wasting water. The irrigation system used is efficient. The producer uses the most efficient irrigation system – as is technically available and financially affordable, and complies with any legislation about local restrictions on water usage.	Major Must
CB. 6.2.2	Is there a water management plan to optimize water usage and reduce waste?	There must be a written action plan, which aims to optimize water usage on the farm. This can be either an individual plan or a regional activity if the farm is participating in and/or covered by such.	Recom.

ANNEX CB. 2 GLOBALG.A.P GUIDELINE | RESPONSIBLE WATER USE

Risk	Issue		Status	Action
Physical	Water scarcity	Does the river basin or area face water scarcity due to the overexploitation of water resources? Can water scarcity affect the current or planned water usage by the producer? Does the producer contribute significantly to water scarcity in the river basin or area or might he do so in future?		
	Drought events	Does the river basin or area face droughts due to irregular rainfalls? Can this phenomenon affect the water usage of the producer? How flexible is the farm's water usage? Can this phenomenon affect the environment, social and/or cultural issues?		
	Flood events	Does the river basin or area face floods due to irregular rainfalls or water management? Can this phenomenon affect the producer? Can this phenomenon affect the environment, social and/or cultural issues?		
	Water pollution	Does the river basin or area face water pollution? Are current or potential pollution sources upstream or located in the same groundwater area as the producer? Can the pollution affect the producer? Can this pollution affect the environment, social and/or cultural issues?		
	Alternative water sources	Do alternative non-overexploited and/or non-polluted water sources exist? Can this water be allocated to the producer on a regular basis? Can this water be allocated to the producer under extreme situations (drought, pollution, etc.)? Are there (new) storage mechanisms in order to address temporary extreme situations? What are the environmental effects of the alternative sources or water storage systems?		
Regulatory	Water allocation and management scheme	Is the river basin or area managed according to a plan or scheme? Has this plan or scheme been consulted to the public and interested parties and approved by the corresponding water authority? Is the plan being implemented and updated on a regular basis? Is the water usage of the producer included in the plan or scheme? If not, is the water usage of the producer coherent with the plan's allocation and management scheme? Does this plan consider adequately the environment, social and/or cultural issues?		
	Water usage permit	Does a procedure exist to hold a water usage permit? Does the producer hold a water usage permit adequate to its water usage? Does this permit interact with other (water usage) permits?		

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THE GLOBALG.A.P. STANDARDS

WATER FOR THE FUTURE?



THE GLOBALG.A.P. STANDARDS

WATER FOR THE FUTURE?

- **Today**, about **700 million people** in 43 countries suffer from water scarcity. By **2030** about **4 billion people** will live in areas of high water stress based on probable climate change scenarios.
- Supplying the world's growing population with a reliable and affordable stream of biomass is, therefore, inextricably linked to increasing water productivity.
- GLOBALG.A.P. can assist to define the minimum water productivity certified growers should meet and help to set the **global reference for water productivity certification**.
- **Stakeholder Committee – Sustainable Water Use**
- Wider reach than Fruit & Vegetables
- Call for participation with Terms of Reference.
- Producers, retailers/food service, other stakeholders with interest and expertise will be invited
- Meeting will be held in **Berlin** on **February 8, 2012**



THE GLOBALG.A.P. STANDARDS

CARBON FOR THE FUTURE?

GLOBALG.A.P. worked with International Sustainability & Carbon Certification

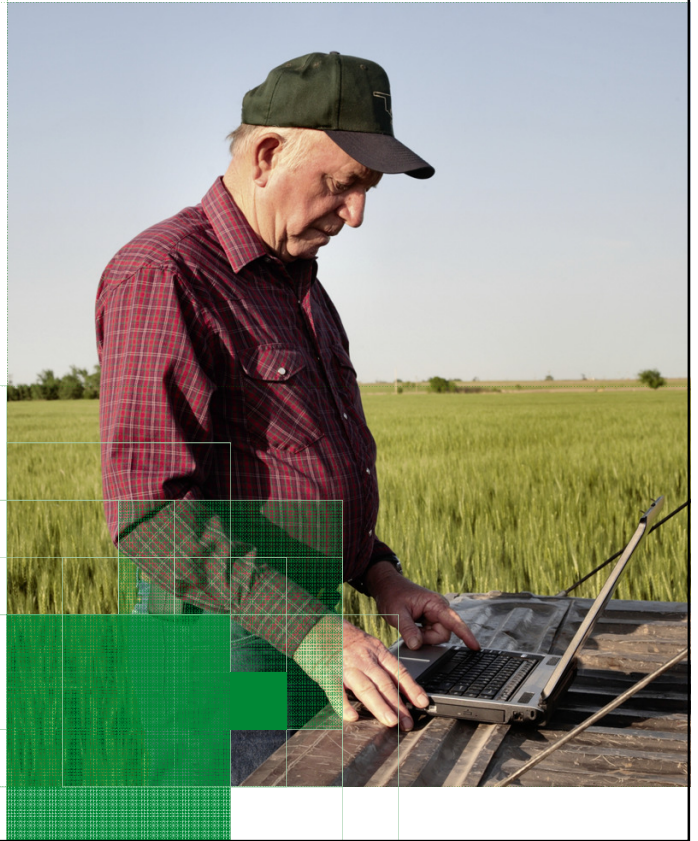
Currently involved with CIPRO of the standard

Future work will involve them – establish best practices first to see how to implement on farm level.



The screenshot shows the ISCC website banner with the text "ISCC International Sustainability & Carbon Certification" and a search bar. Below the banner is a navigation menu with the following items: HOME, ABOUT ISCC, NEWS, DOCUMENTS, ISCC ASSOCIATION, REGISTER, CERTIFICATION BODIES, CERTIFICATES, TRAINING.

THE SYSTEM



THANKS FOR YOUR ATTENTION!

QUESTIONS – DISCUSSION – CONTACT US

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