GLOBALG.A.P. General Information Session & Hop Certification Updates

GLOBALG.A.P. North America & Hop Growers of America
Good Webinar Practices

During the presentation, if you have a question, please use the “Raise Hand” button in the taskbar.

Please keep your microphone on mute when you are not talking. If talking, please speak up to answer the questions asked and in the dialogue.

There will be time for general Q&A and discussion at the end.

This session will be recorded and available on our Hop webpage.
Introductions

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AGENDA

1. Certification Options During COVID-19
   a. Emergency Extensions & Remote Audits
   b. Coronavirus & Food Safety
2. Onboarding/Continuing Certification
3. Upcoming GLOBALG.A.P. Features
4. State of the Hop Industry
   a. Sustainability Add-ons
5. Control Points and Compliance Criteria
   a. New control points for IFA 5.3-GFS Hop module
   b. Non-compliances
6. Open Forum
We’re a global organization with a crucial objective:

SAFE, SUSTAINABLE AGRICULTURE WORLDWIDE.

We set voluntary standards for the certification of agricultural products around the globe – and more and more producers, suppliers and buyers are harmonizing their certification standards to match.
GLOBALG.A.P. Certification Standards

- Integrated Farm Assurance (IFA)
- Produce Handling Assurance (PHA)
- Certificate Add-Ons
  - Farm Sustainability Assessment
  - Risk Assessment on Social Practice
  - Sustainable Program for Irrigation and Groundwater Use

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General Information Session

Certification Options During COVID-19

1. Emergency Extensions & Remote Audits
2. Coronavirus & Food Safety
COVID-19 and Food Safety

No Evidence That Coronavirus is a Foodborne Illness

“Currently there is no evidence of food or food packaging being associated with transmission of COVID-19.”

“There is currently no evidence that food is a likely source or route of transmission of the virus.”

Primary Concern is Worker Health
## Audit Solutions for Every Need

**3 Solutions, all supported by GLOBALG.A.P. Integrity**

<table>
<thead>
<tr>
<th>Solution</th>
<th>Details</th>
</tr>
</thead>
</table>
| **Emergency Extension**         | • GFSI Approved  
• Accredited                   |
| **Remote Audit (Existing Certs)** | • Not GFSI Approved  
• Accredited                   |
| **Remote Audit (New Certs)**     | • Not GFSI Approved  
• Not Accredited                |

GLOBALG.A.P. Remote for Existing Certifications

- **Interim Final Version** published 15th of May 2020
- A system of inspection & audit procedures
- Renewal certifications are accredited
- All approved GLOBALG.A.P. Certification Bodies eligible
- Remote audit certificates are not GFSI benchmarked
  - “Remote” will be indicated on the certificate
  - GLOBALG.A.P. discussing with major buyers
  - GFSI benchmarked standards HPSS, IFA 5.3-GFS and PHA excluded
GLOBALG.A.P. Remote

- GG Remote is “product attribute” on the certificates
- Consist of 2 parts - 1) a review of documents and records (non-interactive) and 2) a virtual meeting (interactive)
- 4 risk levels for producers
  - High, Medium, Low, Non eligible
- Includes rules for Data Privacy and Safety
- Inspection reports made available to GLOBALG.A.P.
GLOBALG.A.P. Certified Farms Are Well Prepared

- Reinforce best hygiene practices
- Focus:
  - Worker Health & Safety
  - Personal Protective Equipment
  - Principles of Hygiene
  - Sanitary Facilities

Anticipate Possibilities

GLOBALG.A.P. All Farm Module 4

- Develop Emergency Procedures (AF 4.1.2, 4.3.1, and 4.5.2)
  - Emergency contact and contingency plans
Worker Health & Safety

GLOBALG.A.P. All Farm Module 3.1-3.4

• Social distancing
  Avoid physical contact, ensure workers have sufficient space

• Wash hands often
  The best protective measure to avoid spreading or contracting COVID-19
GLOBALG.A.P. All Farm Module 3 & 4

- Keep sick workers home (AF 3.1)
  Workers who show signs of illness should not work with produce

- Visitors Policy (AF 4.3.1, AF 4.4.1)
  Limited to an unavoidable minimum
Cleaning & sanitation of employee congregation areas:
  Break areas, restrooms, smoking areas, hallways

Additional sanitation:
  Tools, tabletops, clipboards, electronics, keyboards, hard hats, microwaves, knobs, other high touch areas

Connect with local, regional public health departments
Credible Resources for Guidance & Information

- GLOBALG.A.P. Coronavirus FAQ
- World Health Organization
- European Food Safety Authority
- Food and Agriculture Organization of the United Nations (FAO)
- U.S. Food and Drug Administration
- Centers for Disease Control and Prevention
- USA Hops COVID-19 Resources
General Information Session

Onboarding/Continuing GLOBALG.A.P. Certification
Why GLOBALG.A.P. Hop Certification?

1. Market access – domestic and international
2. Competitive advantage
3. Documentation of continuous improvement
4. Pre-defined steps and structures to reduce human-health risks in production
Integrated Farm Assurance (IFA)
A Modular Approach

- INTEGRATED FARM ASSURANCE (IFA)
  - ALL FARM BASE
    - CB CROPS BASE
    - AB AQUACULTURE STANDARD
    - LB LIVESTOCK BASE

- FV FRUIT & VEGETABLES
- FO FLOWERS & ORNAMENTALS
- CC COMBINABLE CROPS
- TE TEA
- PPM PLANT PROPAGATION MATERIAL STANDARD
- HO HOP
- FINFISH, CRUSTACEANS & MOLLUSCS
- PIGS
- POULTRY
- TURKEY
- CATTLE & SHEEP
- DAIRY
- CALF/YOUNG BEEF

Add-ons
1. What products do you grow?

- Only hops – IFA (*All Farm, Crops Base, Hop Subscope*)

- Hops plus fruit and/or vegetables not covered by FSMA (*All Farm, Crops Base, Hop Subscope, Fruit and Vegetable Subscope*)

- Hops plus fruit and/or vegetables covered by FSMA (*All Farm, Crops Base, Hop Subscope, Fruit and Vegetable Subscope, FSMA Add-on*)

2. Does your operation need or want to make social responsibility claims?

- GRASP Add-on

3. Does your operation sell plant propagation materials (nursery stock, etc.)? (*All Farm, Crops Base, Plant Propagation Materials*)
Access the list of approved and provisionally approved CBs on the GLOBALG.A.P. website:

- Apply with the CB
- The CB registers the producer
1. North America Fee Table set by GLOBALG.A.P.
   - Producer registration fee

<table>
<thead>
<tr>
<th>Area under Non-Covered Production [hectares]</th>
<th>Area under Non-Covered Production [acres]</th>
<th>Annual Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt; 0.1</td>
<td>&lt; 0.25</td>
<td>10.00 $</td>
</tr>
<tr>
<td>≥ 0.1 - &lt; 0.5</td>
<td>≥ 0.25 - &lt; 1.2</td>
<td>25.00 $</td>
</tr>
<tr>
<td>≥ 0.5 - &lt; 2</td>
<td>≥ 1.2 - &lt; 4.9</td>
<td>45.00 $</td>
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<tr>
<td>≥ 2 - &lt; 5</td>
<td>≥ 4.9 - &lt; 12.4</td>
<td>75.00 $</td>
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<tr>
<td>≥ 5 - &lt; 15</td>
<td>≥ 12.4 - &lt; 37.1</td>
<td>125.00 $</td>
</tr>
<tr>
<td>≥ 15 - &lt; 100</td>
<td>≥ 37.1 - &lt; 247.1</td>
<td>225.00 $</td>
</tr>
<tr>
<td>≥ 100 - &lt; 1,000</td>
<td>≥ 247.1 - &lt; 2,471.1</td>
<td>400.00 $</td>
</tr>
<tr>
<td>≥ 1,000 - &lt; 5,000</td>
<td>≥ 2,471.1 - &lt; 12,355.3</td>
<td>750.00 $</td>
</tr>
<tr>
<td>≥ 5,000 - &lt; 10,000</td>
<td>≥ 12,355.3 - &lt; 24,710.5</td>
<td>1,500.00 $</td>
</tr>
<tr>
<td>≥ 10,000</td>
<td>≥ 24,710.5</td>
<td>2,700.00 $</td>
</tr>
</tbody>
</table>

Note: excludes CB inspection fee, travel fees
## Certificate License Fee

<table>
<thead>
<tr>
<th>Option</th>
<th>Applies to</th>
<th>Annual Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Option 1</td>
<td>Each certificate issued</td>
<td>37.50 $</td>
</tr>
<tr>
<td>Option 2 (Base Level)</td>
<td>Each certificate issued</td>
<td>195.00 $</td>
</tr>
<tr>
<td>Option 2 (Producer Supplement)</td>
<td>Each individual producer group member who is included in the producer group certificate</td>
<td>-45.00 $</td>
</tr>
</tbody>
</table>

For further explanations and details, see the fee calculations and definitions.

Note: excludes CB inspection fee, travel fees
1. General Regulations Part I – Rules for CBs, language on suspensions, scoring, etc.
2. Sublicense agreement – Between CB and producer - gives permissions for database inclusion, acknowledges suspensions, etc.
3. Checklists
4. Critical Control Points (CPCCs) – Annex, narrative content
1. Ask questions
2. Refer to the control points and compliance criteria or annexes
3. Auditor experience varies – teachable moment about hop production & your practices
4. Real time corrections are acceptable
   - some follow-up may be required
Certification Requirements
Musts and Recommendations

✓ **Major Musts:** 100% compliance
✓ **Minor Musts:** 95% compliance
✓ **Recommendations:** No minimum percentage of compliance
1. Annual Inspection
   - Harvest & Handling inspection is possible every 2 years with CB risk assessment

2. Unannounced Inspection
   - 10% of certification body clients
   - In upcoming version, unannounced inspection/audits to be re-certification inspection/audit, instead of additional
Upcoming GLOBALG.A.P. Features
• Considering a new modular structure (shown above) to
  ✓ allow producers to select areas of certification
  ✓ allow for customized checklist
  ✓ eliminate duplication for users
• Goal is simplification
• Focus on Risk Based Approach
• Currently under review & discussion in World Consultation Tour events
WORLD CONSULTATION TOUR 2020
IFA VERSION 6: PROPOSED STRUCTURE

• WORLD CONSULTATION TOUR (WCT) 2020 collects global input for version 6 of GLOBALG.A.P. IFA standard

• WCT meetings take place as online discussions for different target groups, 90 min each, covering several scopes and topics

• Involvement of National Technical Working Groups and Technical Committees

• Give us feedback and co-design GLOBALG.A.P. IFA standard for the future
GLOBALG.A.P. Audit Online
Managing Control Points the Easy Way

CBs Required to use starting Nov. 2020

Checklists
CPCC, evidence, date of audit, auditors on field etc.

Producers
Location of farm, GGN, contact details

Stakeholder

Certification Bodies
Enter audit data (e.g. CPCC)

Database
Audit report (PDF)

Producers
Audit report (PDF)
GLOBALG.A.P. Producer App

- Direct GLOBALG.A.P. communication with producers
- Direct notification of updates
- Support onboarding for producers
- Alpha testing phase
General Information Session

State of the Hop Industry
Hop Specific Statistics

• Approx. 85 US Pacific NW hop growers produce 98% of the US crop
  ✓ Average farm size is about 800 acres of hops (may also have other crops)
  ✓ Average farm size is smaller in other countries. For example, the average German hop farm has less than 100 acres of hops.

• Currently, roughly 50% of US hop acreage is GLOBALG.A.P. certified
Hop Specific Statistics

• USA – 26: 12,181 Certified Hop Hectares (30,100 Acres)
  ✓ 6 New!
  ✓ More registered!
• New Zealand – 4: 266 Certified Hop Hectares
  ✓ 1 New!
• FoodChain ID, SCS Global Services, SGS India
Guidance for Industry: Enforcement Policy for Entities Growing, Harvesting, Packing, or Holding Hops, Wine Grapes, Pulse Crops, and Almonds

- Guidance was issued by US FDA in March 2019
- Continues to govern enforcement activities
- “Informed in part by our conclusion in the final rule that hops used in the making of beer receive adequate pathogen reduction, we intend to exercise enforcement discretion for entities growing, harvesting, packing, or holding hops while we explore this topic further and possibly pursue rulemaking.”
COVID-19 impacts on the brewing industry are expected to reduce demand for hops over the next few years. This impact came too late to make meaningful adjustments to the 2020 crop, although major merchants and many growers did work to idle or reduce production on a portion of their 2020 production.
State of the Industry

- 2019 in Review
- New record for US hop production – 113 million pounds
- Crop value of $636.6 million
- US is largest producer in the world, with 40% of the world’s crop (Germany #2 with 37.6%)
- Over 60% of the US crop is exported
- Continued pressure on exports due to lack of harmonization of sanitary/phytosanitary standards, particularly MRLs
New Resources

- Best Practices
- Committee and Good Bines Platform:
  - Education Modules
  - Food Safety Practices & Checklists
  - Self-assessments

Support for Hop certification
Best Practices Committee and Good Bines Platform

- Allergens Risk Assessment
- COVID On-Farm Program development/implementation
- HACCP – in development for August deployment

Support for Hop certification

COVID-19 On-Farm Monitoring Plan
HOPS

FARM NAME: <ENTER YOUR FARM NAME>  (update this plan according to your site)

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Support for Hop certification

New Resources

- New IPM modules – Scouting & Resistance Mgmt. – in development
- Case Studies
  - Water quality and quantity

CASE STUDY
Luptopia Farm Experiments with Pulse Irrigation
Support for Hop certification

Collaborations:
- American Hop Convention
- Brewer’s Association Magazine
- Salmon Safe
- Red Tractor
- International Hop Congress
Movement towards stewardship & social compliance: align production – communicate your story

Social:
  - Working Pay, Hours, & Conditions

Sustainability assessments:
  - Water, Carbon, Pesticide Use, Soil Management
What’s Coming? – General Retailer Trends

GLOBALG.A.P. RISK ASSESSMENT ON SOCIAL PRACTICES
Other available Add-ons:

- GLOBALG.A.P. Farm Sustainability Assessment (GGFSA)
- GLOBALG.A.P. Sustainable Program for Irrigation and Groundwater Use (SPRING)
Salmon-Safe partners with Oregon Tilth and GLOBALG.A.P. to conduct Salmon-Safe assessment as an efficient and cost-effective overlay that can delivers two labels in a single inspection visit.

- Watershed Management
  - Water Quality and Riparian Areas
- Erosion and Sediments
- Integrated Pest Management
- Biodiversity/Conservation
What’s Coming? – General Retailer Trends

Global Reach of Hop Standards

- German and UK representation
  - Key Account Manager for industry relations staff

- Red Tractor collaboration
  - Resembling standard, plus add-on for equivalent recognition!
  - Currently available for Fruit and Vegetable, possible hop module
General Information Session

New Hop Module Control Points

1. IFA 5.3-GFS
Revision Process

1. Market options are retailer & industry driven
2. New versions of GFSI requirements usually released every 2 to 3 years, with intermediate updates issued
   - IFA 5.2 → 5.3–GFS → 5.4–GFS
3. IFA 5.3-GFS is GFSI benchmarked
   - GFSI 2020 changes (and IFA 5.4-GFS) is not relative to Hop production
4. Periodic revisions, as needed
   - Outbreaks
   - Legislation
   - New Information: Center for Produce Safety, Hop Growers of America
1.3.1 Is there a list of approved suppliers, documentation of unapproved suppliers, and description of how suppliers may be selected in emergencies based on risk-based criteria?

- Written list of approved suppliers
  - note any unapproved suppliers
- procedure for selecting and evaluating alternate suppliers
- supplying facility has been assessed
- products meets the specification
4.4.6 Where applicable, has a risk-based environmental monitoring program been put in place?

- Risk-based
- Testing
- Documentation
- Procedures
- Examples: water testing, equipment sanitation testing, etc.
Revision Process

How to find information:
- GLOBALGAP North America Newsletter!
- Technical News
  - GLOBALG.A.P. Document Center
  - June 2 – GRASP changes
  - March 3 – 5.3-GFS Released
- Certification Bodies
- Consultants/Farm Assurers
Common NCs for Hop Producers

1. Common non-compliances submitted by CBs
Risk assessments shall take the following into account:

- Potential physical, chemical (including allergens) and biological hazards
- Adjacent land use
- Site history
- Impact of proposed enterprises on adjacent stock/crops/ environment
- Adjacent land use
Common NCs
AF 17.1 Non-conforming Product

AF 17.1: Documented procedure for non-conforming products implemented
AF 14.1: Sales details of certified and non-certified products recorded.

AF 14.2: Incoming, stored, and outgoing product quantities recorded independently, and mass balance verified.

AF 14.3: Conversion ratios calculated and available.

How?
- Production Area/Estimated Hop Production
- Actual Harvest Production
- Baled weight (calculate moisture loss)
- Bales (and total bale weight) sold
HO 3.1.2: Vehicles used for transporting hop bines are cleaned and maintained, according to the contamination risk to the harvested product. Cleaning and inspection documented.
There shall be a documented hygiene risk assessment, covering physical, chemical and microbiological contaminants. It shall be tailored to the scale of the farm, the crop (hops), and the technical level of the business.

Risk assessments shall take the following into account:

- Worker and visitor traffic
- Workers and picker bine intake area
- Trucks and picker bine intake
Common NCs
HO 4.4 Handling & Packaging Areas

HO 4.4.5
Refrigerated containers used to temporarily store /transport hop bales, to be visually inspected, clean and in good working condition.
Common NCs
HO 4.8 Finished Product

HO 4.8.5
Allergen labelling for CoP and CoD where a potential for allergens cross-contamination occurs.

HO 4.8.4
Methods to address non-conforming product (e.g. identification, re-work)
Common NCs
HO 4.8 Finished Product

HO 4.10.2

Visual inspections (as per written procedure) on cleanliness of transportation vehicles before loading bales. Particular care to cleanliness of dual-purpose trailers (consider previous load). Records of cleaning and inspection.
1. Tool control
2. Rocks/gravel at intake
3. Field toilet portables
   - Missing soap and/or water
4. Records for magnet checks
5. Safety training
   - Lock out/tag out
THANK YOU!

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- Follow us on Twitter: @globalgap
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- Visit our YouTube channel: GLOBALGAP08
- Follow us on Instagram: globalg.a.p.
Questions regarding audit process, audit control points, scoring, and certification?