

The Barth-Haas Group and Germain Hansmaennel present

Beer Production
Market Leaders and their Challengers
in the Top 40 Countries in 2010



BARTH-HAAS GROUP

DVK ULLAH CHAKOOL

BARTH-HAAS GROUP FURTHER ENHANCES HOP EXPERTISE

The Barth-Haas Group, the world's leading provider of hop-related services, has further expanded its hop expertise. The leading position in the world market gives the Group no cause for complacency. In this situation above all, the Group feels required to further enhance the expertise in hops. That is why the Barth-Haas Group has launched two new initiatives, the Barth-Haas Hops Academy and Barth Innovations Ltd.

Barth Innovations Ltd is the Group's new think-tank. All Group research activities will be concentrated there. In particular, new hop-based products will be developed in close cooperation with the various companies in the Group, but also with universities and research institutions.

The Barth-Haas Hops Academy will be offering courses directed particularly towards technicians and buyers working for breweries. Individual hop-related topics will be dealt with in a wide range of seminars. The focus of these seminars ranges from hop growing to the hop market, and includes harvesting, processing, plant protection, safety, analytics, sensor technology, storage and the potential uses of hops in the brewing process. The feedback after the first courses demonstrates the success of the idea: "It really is a must for everybody involved in hops in the brewery: brewmasters, sourcing executives, quality managers, and those responsible for developing new beers."

bath!nnovations
unlocking the potential of hops

Register now for our seminar on
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reddot design award



RANKING

The ranking of the countries is based on production volume. The number on the left of the country indicates its world beer production ranking.

POPULATION (POP): Million inhabitants.

GROSS NATIONAL PRODUCT (GNP): in billion US-dollars.

PRODUCTION (PROD): Production of beer in million hectolitres.

PER CAPITA CONSUMPTION (PCC): Beer in litres.

MARKET SHARE (MS): Market share based on the breweries' domestic sales. The breweries are mentioned in the national ranking either if their market share is higher than 10 % with a minimum volume of 1 million hl or if they appear in the top 40 brewery list having more than 5 % market share in the respective country.

FINANCIAL PARTICIPATION

If the group behind the domestic brewery is written in capital letters it means the group has a participation over 50 %. If it is written in lower case it means the group has a participation below 50 %.

BREWERY GROUPS - ABBREVIATIONS

■ ABI	AB INBEV
■ SABM	SAB-MILLER
■ HEI	HEINEKEN
■ CAR	CARLSBERG
MOCO	MOLSON-COOERS
KIR	KIRIN
STA	STARBEV

SOURCES: Barth-Report 2010/2011, United Nations and World Bank Statistics

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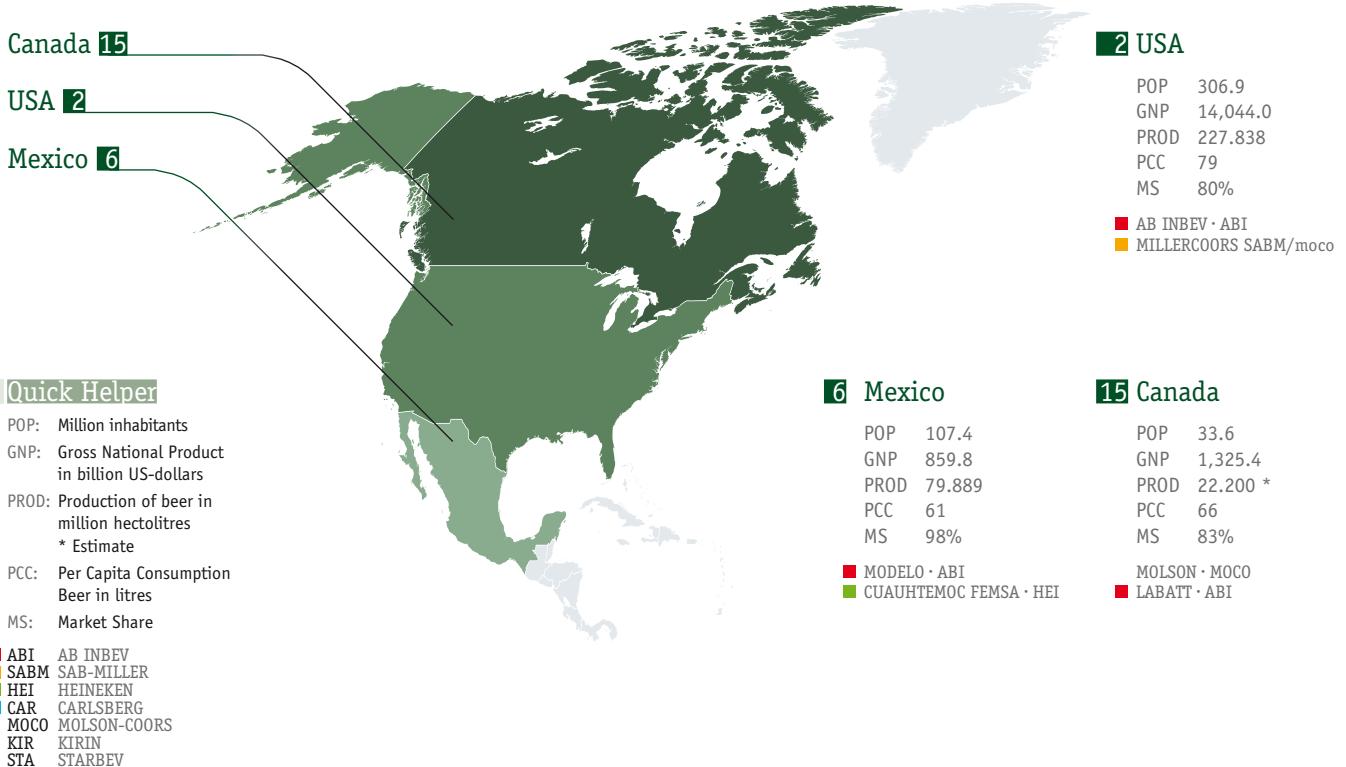
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North and Central America

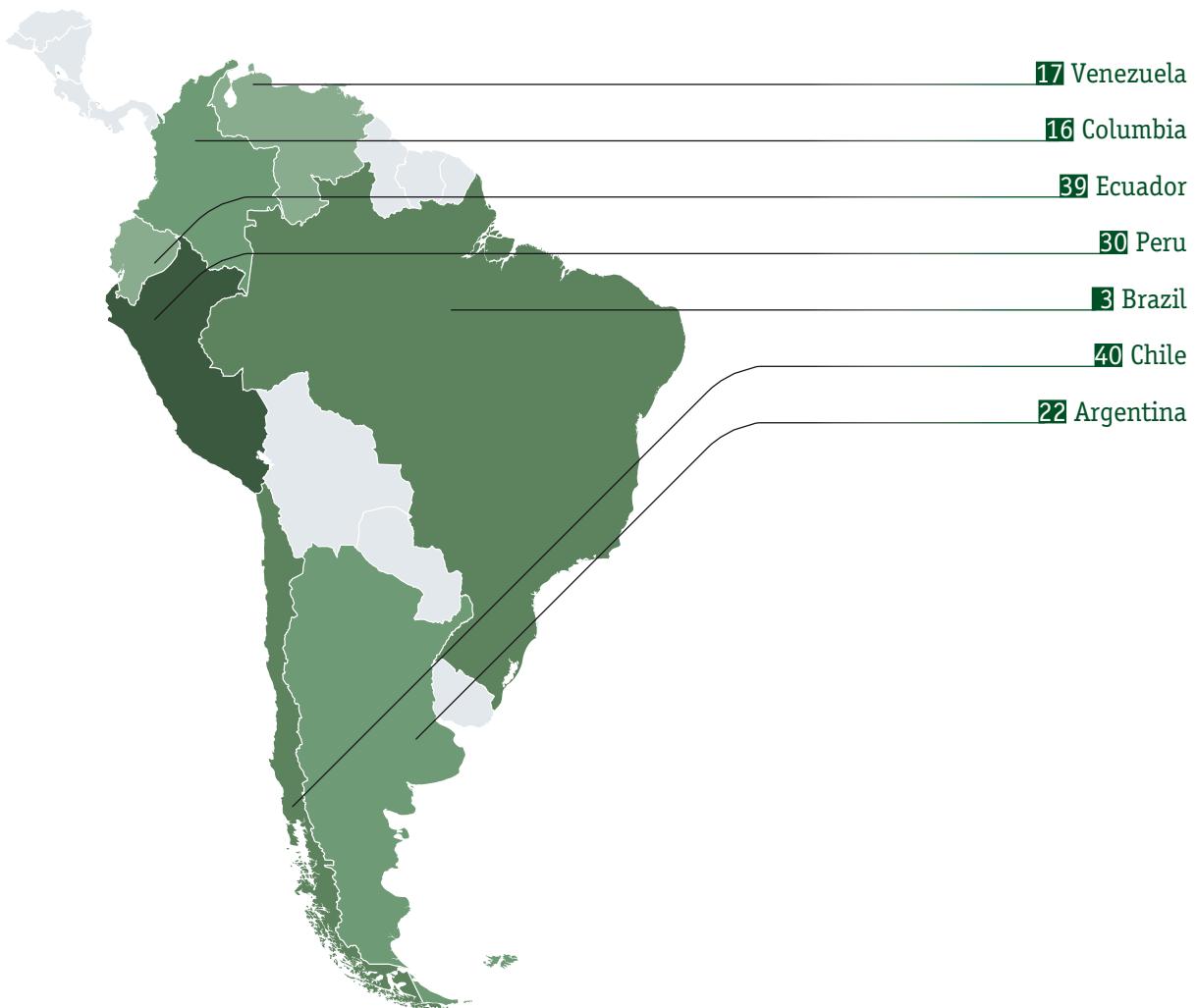


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South America



3 Brazil

POP	193.8
GNP	1,485.0
PROD	114.000 *
PCC	58
MS	99%
■ AMBEV · ABI SHINCAROL PETROPOLIS ■ KAISER FEMSA · HEI	

16 Colombia

POP	45.6
GNP	222.6
PROD	20.500
PCC	41
MS	98%
■ BAVARIA SABM	

17 Venezuela

POP	28.3
GNP	332.4
PROD	20.000 *
PCC	80
MS	100%
■ POLAR REGIONAL-BRAHMA	

22 Argentina

POP	40.2
GNP	303.1
PROD	17.500 *
PCC	45
MS	90%
■ QUILMES · ABI ■ CCU ARG · hei	

30 Peru

POP	29.1
GNP	120.0
PROD	11.000
PCC	44
MS	96%
■ BACKUS&JOHNSTON · SABM ■ AMBEV PERU · ABI	

39 Ecuador

POP	16.8
GNP	55.7
PROD	5.700
PCC	36
MS	96%
■ CERVECAS NAC · SABM ■ AMBEV PERU · ABI	

40 Chile

POP	13.9
GNP	147.2
PROD	5.680
PCC	33
MS	100%
■ CCU · hei ■ CIA CHILE · ABI	

Quick Helper

POP:	Million inhabitants
GNP:	Gross National Product in billion US-dollars
PROD:	Production of beer in million hectolitres
* Estimate	
PCC:	Per Capita Consumption Beer in litres
MS:	Market Share
■ ABI	AB INBEV
■ SABM	SAB-MILLER
■ HEI	HEINEKEN
■ CAR	CARLSBERG
■ MOCO	MOLSON-COOERS
■ KIR	KIRIN
■ STA	STARBEV



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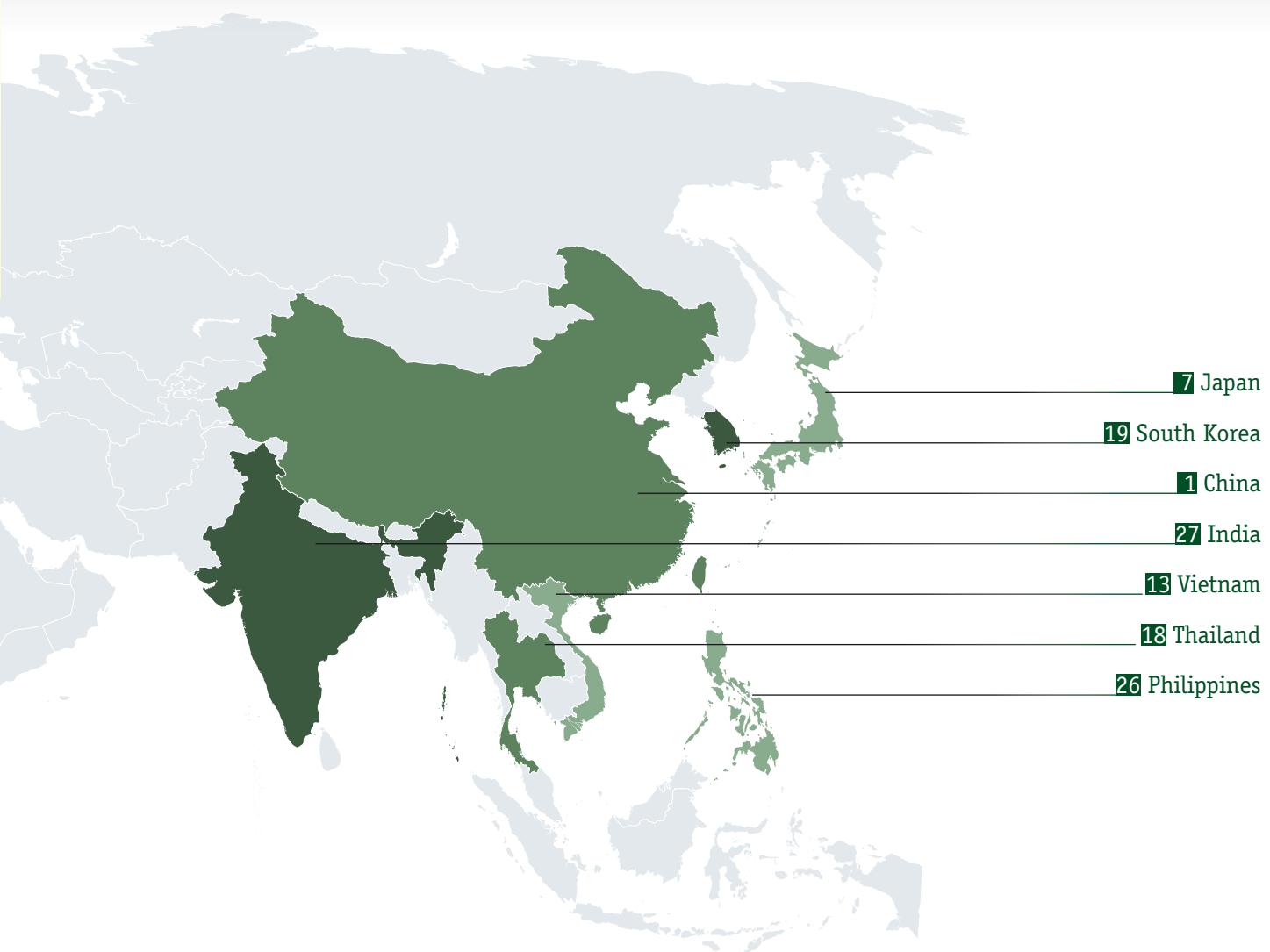
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**1 China**

POP	1,334.4
GNP	4,733.5
PROD	448.304
PCC	35
MS	50%
CRE SNOW · sabm	
TSINGTAO · asahi	
YANJING	
AB INBEV CHINA · ABI	

7 Japan

POP	127.6
GNP	5,250.8
PROD	59.630
PCC	49
MS	96%
KIRIN · KIR	
ASAHI	
SUNTORY	
SAPPORO	

13 Vietnam

POP	87.2
GNP	90.2
PROD	26.500 *
PCC	29
MS	79%
SAIGON BR.	
HANOI BR. · car	
APB · hei	

18 Thailand

POP	67.8
GNP	253.5
PROD	19.980
PCC	28
MS	93%
SINGHA CORP	
THAIBEV CHANG	

19 South Korea

POP	48.7
GNP	835.9
PROD	18.173
PCC	38
MS	100%
HITE	
ORIENTAL BR.	

26 Philippines

POP	91.9
GNP	170.3
PROD	15.700
PCC	17
MS	93%
SAN MIGUEL · kir	

27 India

POP	1,155.1
GNP	1,181.2
PROD	15.600
PCC	1
MS	74%
UNITED BR. · hei	
SAB INDIA · SABM	

Quick Helper

POP:	Million inhabitants
GNP:	Gross National Product in billion US-dollars
PROD:	Production of beer in million hectolitres
* Estimate	
PCC:	Per Capita Consumption Beer in litres
MS:	Market Share
ABI	AB INBEV
SABM	SAB-MILLER
HEI	HEINEKEN
CAR	CARLSBERG
MOCO	MOLSON-COORS
KIR	KIRIN
STA	STARBEV

Western, Central and Eastern Europe

4 Russia

POP	141.8
GNP	1,207.1
PROD	102.930
PCC	73
MS	76%

■ BBH · CAR
■ SUN INBEV · ABI
■ HEINEKEN RUS · HEI
■ EFES RUS

5 Germany

POP	81.9
GNP	3,385.4
PROD	95.683
PCC	107
MS	38%

■ RADEBERGER GR
■ INBEV GER · ABI
■ OETTINGER
■ BITBURGER GP

8 UK

POP	61.8
GNP	2,222.5
PROD	44.997
PCC	81
MS	75%

■ HEINEKEN UK · HEI
■ CBL · MOCO
■ INBEV UK · ABI
■ CARLSBERG UK · CAR

9 Poland

POP	38.1
GNP	415.7
PROD	33.900
PCC	85
MS	90%

■ KOMP. PIWOWARSKA · SABM
■ ZYWIEC · HEI
■ OKOCIM · CAR

10 Spain

POP	46.2
GNP	1,426.9
PROD	33.375
PCC	80
MS	82%

■ MAHOU - SAN MIGUEL
■ HEINEKEN SP · HEI
■ DAMM

11 Ukraine

POP	46.0
GNP	115.2
PROD	31.000
PCC	57
MS	94%

■ SUN INBEV · ABI
■ BBH · CAR
■ OBOLON

14 Netherlands

POP	16.5
GNP	807.8
PROD	23.936
PCC	74
MS	82%

■ HEINEKEN NL · HEI
■ BAVARIA
■ GROLSCH · SABM
■ INBEV NL · ABI

20 Belgium

POP	10.8
GNP	470.3
PROD	18.123 *
PCC	82
MS	68%

■ INBEV · ABI
■ ALKEN-MAES · HEI

24 Czech Rep.

POP	10.5
GNP	180.4
PROD	17.100
PCC	144
MS	77%

■ PLZENSKY PRAZDROJ · SABM
■ STAROPRAMEN STA
■ HEINEKEN CZ · HEI

25 Romania

POP	21.4
GNP	157.3
PROD	15.700
PCC	80
MS	79%

■ SAB RO · SABM
■ BRAU UNION RO · HEI
■ BERGENBIER STA

28 France

POP	61.6
GNP	2,684.0
PROD	14.290
PCC	30
MS	61%

■ KRONENBOURG · CAR
■ HEINEKEN FR · HEI

29 Italy

POP	60.2
GNP	2,081.8
PROD	12.370
PCC	28
MS	52%

■ HEINEKEN ITA · HEI
■ PERONI · SABM

31 Turkey

POP	74.8
GNP	619.1
PROD	9.670 *
PCC	13
MS	99%

■ EFES
■ TURK TUBORG

32 Austria

POP	8.3
GNP	375.1
PROD	8.670
PCC	106
MS	58%

■ BRAU UNION HEI
■ STIEGL

33 Portugal

POP	10.6
GNP	217.5
PROD	8.312
PCC	57
MS	94%

■ UNICER · CAR
■ CENTRALCER · HEI

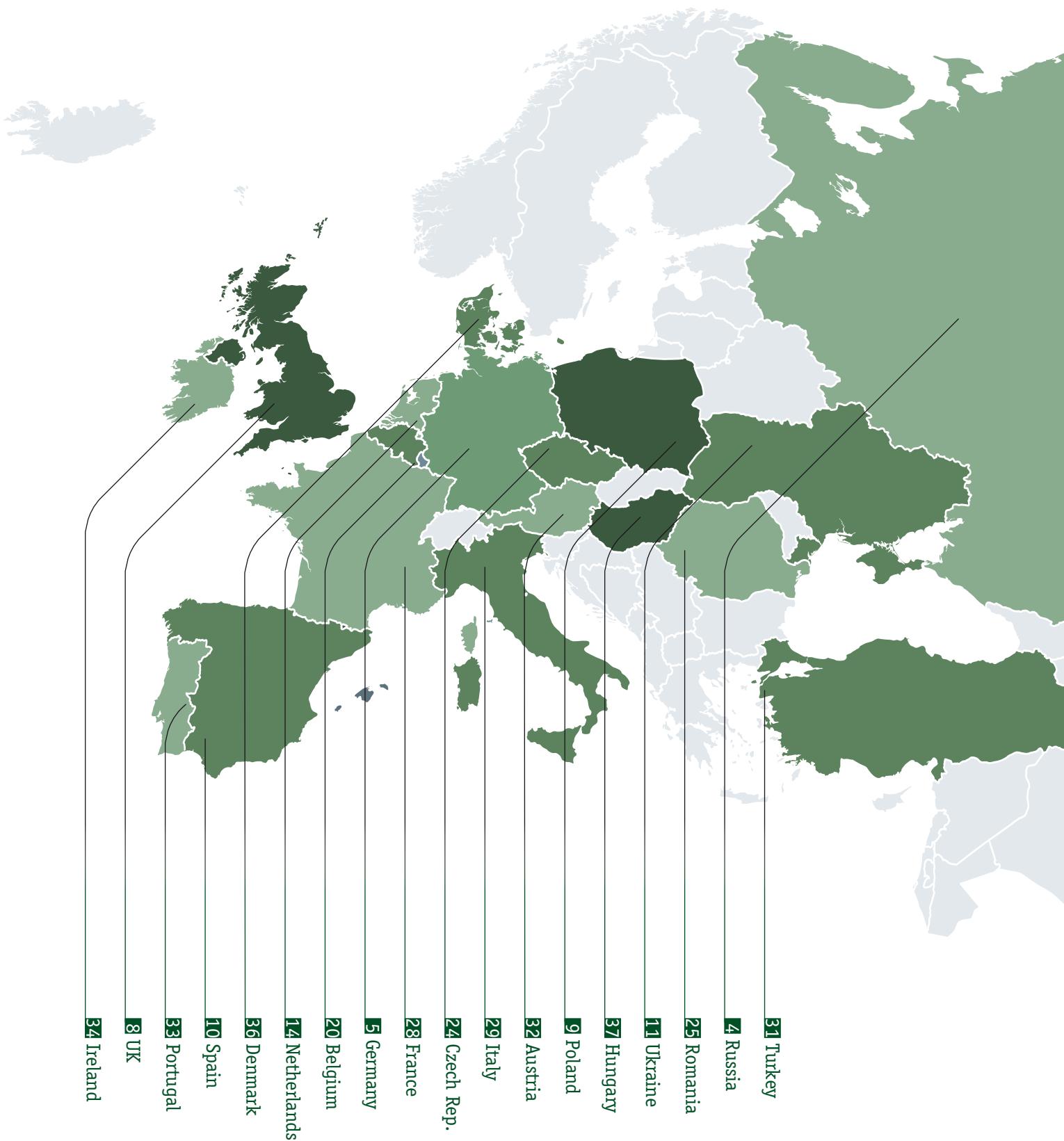
34 Ireland

POP	4.5
GNP	194.3
PROD	8.249
PCC	99
MS	56%

■ GUINNESS DIAGEO
■ MURPHY · HEI

Quick Helper

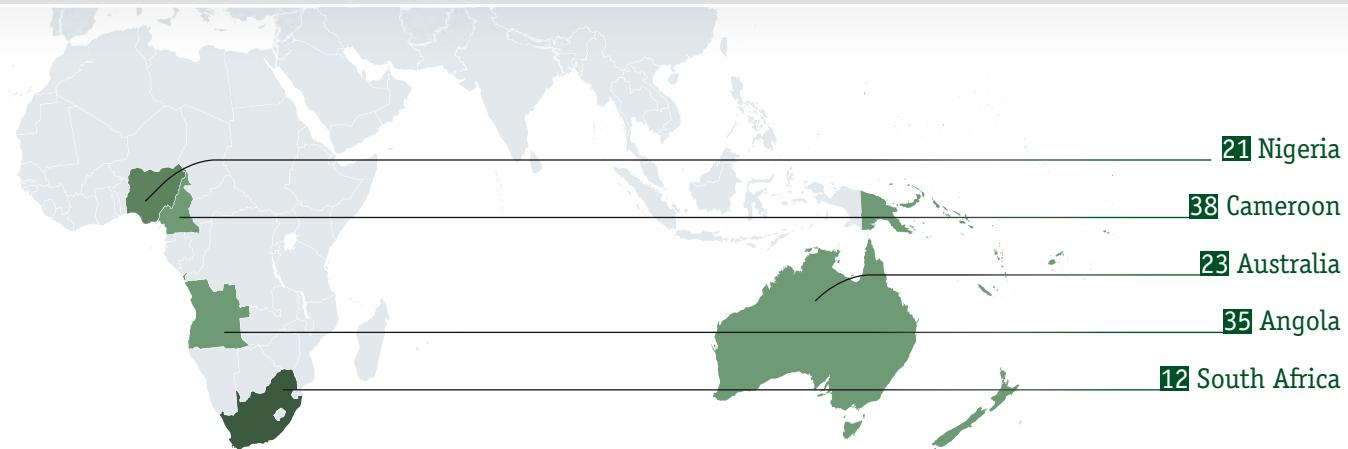
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■ HEI	HEINEKEN
■ CAR	CARLSBERG
■ MOCO	MOLSON-COOERS
■ KIR	KIRIN
■ STA	STARBEV



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12 South Africa

POP	49.5
GNP	277.6
PROD	29.600
PCC	59
MS	99%

■ SAB · SABM
■ SEDIBENG BR. · HEI

21 Nigeria

POP	154.7
GNP	163.3
PROD	17.600
PCC	9
MS	90%

■ NIGERIAN BR. · HEI
■ GUINNESS NIG. DIAGEO

35 Angola

POP	18.4
GNP	5.7
PROD	7.362
PCC	48
MS	88%

■ CUCA BR. · sabm

38 Cameroon

POP	19.5
GNP	222.6
PROD	5.890
PCC	35
MS	99%

■ SABC-CASTEL · sabm
■ DIAGEO

23 Australia

POP	21.8
GNP	911.6
PROD	17.420
PCC	82
MS	82%

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Barth-Haas grants

The Barth-Haas grants – your hops research opportunity

Since 2007 the Barth-Haas Group has awarded five grants of 2.000 EUR each year to support research ideas that focus on hops and hop products in brewing. Our grants have become so successful that hop research is now experiencing a revival. The 22 ideas funded so far reveal just the tip of the iceberg concerning the unknown properties of hops.

The previously funded research projects looked into

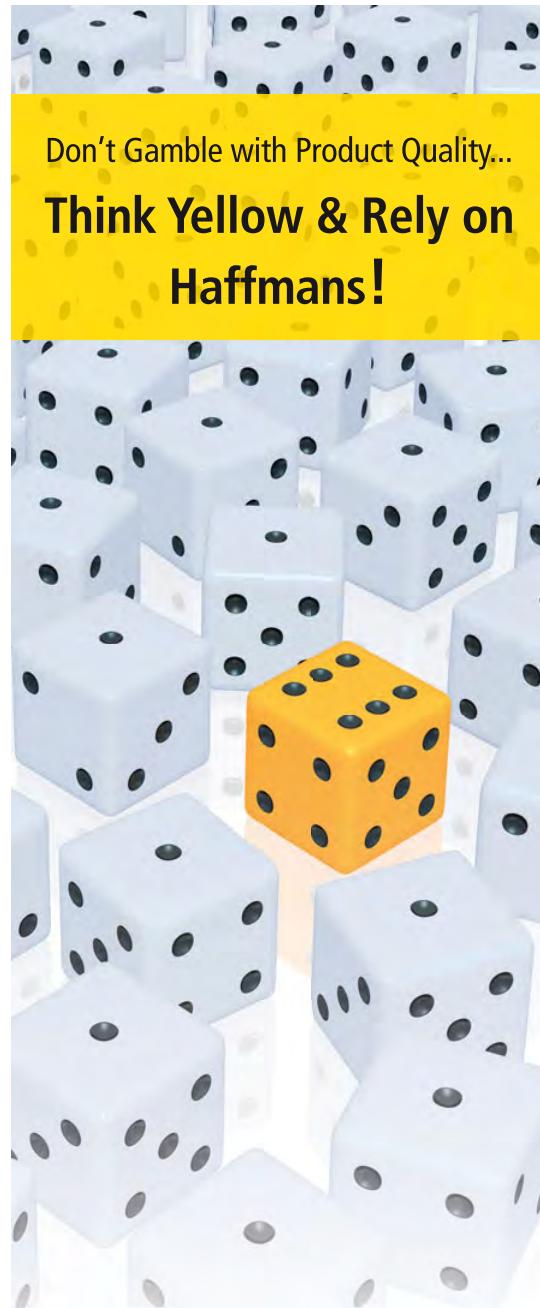
- hop derived anti-foams
- dry hopping techniques
- hop aroma utilisation during brewing
- the role of hops in flavour stability
- instrumental bitterness detection
- hops and gushing
- hop derived flavour active compounds

While these research projects have answered many questions, as is often the case in the world of science, they have also generated many more interesting questions at the same time. To meet with the increasing number of applications we have decided this year to support eight research ideas with our grants. The 2011 winners are listed on page 14.

More about hops

Our **Hop Science Newsletter** informs subscribers about the latest research activities and new findings to provide readers with all kinds of hop related information. If you would like to receive the Hop Science Newsletter once a month free of charge please write to

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World beer production ranking

Country	Beer production 2000	Beer production 2009	Beer production 2010
1 CHINA	220.000	423.638	448.304
2 USA	232.500	230.937	227.838
3 BRAZIL	82.600	107.000	114.000 *
4 RUSSIA	54.900	108.500	102.930
5 GERMANY	110.429	98.078	95.683
6 MEXICO	57.812	82.325	79.889
7 JAPAN	70.998	59.820	59.630
8 UK	55.279	45.141	44.997
9 POLAND	24.000	32.200	33.900
10 SPAIN	26.400	33.800	33.375
11 UKRAINE	10.270	30.500	31.000
12 SOUTH AFRICA	24.500	28.800	29.600
13 VIETNAM	7.430	23.000	26.500 *
14 NETHERLANDS	25.072	25.376	23.936
15 CANADA	23.074	22.394	22.200 *
16 COLUMBIA	13.500	20.140	20.500
17 VENEZUELA	18.590	23.141	20.000 *
18 THAILAND	11.543	19.450	19.980
19 SOUTH KOREA	18.568	17.995	18.173
20 BELGIUM	14.733	18.009	18.123 *
21 NIGERIA	6.300	16.000	17.600
22 ARGENTINA	12.000	17.000	17.500 *
23 AUSTRALIA	17.150	17.320	17.420
24 CZECH REP.	17.916	18.600	17.100
25 ROMANIA	12.097	17.600	15.700
26 PHILIPPINES	12.200	14.600	15.700
27 INDIA	5.500	15.500	15.600
28 FRANCE	18.926	14.314	14.290
29 ITALY	12.575	12.780	12.370
30 PERU	5.627	10.900	11.000
31 TURKEY	6.903	9.500	9.670 *
32 AUSTRIA	8.750	8.728	8.670
33 PORTUGAL	6.451	7.832	8.312
34 IRELAND	8.710	8.041	8.249
35 ANGOLA	1.232	6.869	7.362
36 DENMARK	7.460	6.046	6.335
37 HUNGARY	7.300	6.194	6.000 *
38 CAMEROON	3.674	6.200	5.890
39 ECUADOR	2.454	5.300	5.700
40 CHILE	4.193	5.923	5.680

Quick Helper

Production of beer
in million hectolitres

* Estimate

Total	1,279.616	1,675.491	1,696.706
World beer production 2010			1,846.393
Market share top 40 countries 2010			91.9 %

Barth-Haas grants: the winners 2011

University/Institute	Research Supervisor/Student	Form of project	Title
1 TU München Weihenstephan, Germany	Dr. Martin Gastl	Master Thesis	Composition of Hop Proteins
2 TU Berlin, Germany	Roland Pahl	Research Project	What happens to Hop Aroma in PET bottles
3 Heriot-Watt University, Edinburgh, UK	Prof. Paul Hughes	Research Project	Microscopic characterisation of the lupulin glands of <i>Humulus lupulus L.</i>
4 Research Center Hüll, Germany	Anton Lutz	Research Project	Are HSI values hop variety specific
5 Oregon State University, USA	Prof. Tom Shellhammer	Research Project	Sensory Assessment of Dry Hop Aroma Utilizing Different Techniques and Hop Products
6 Universität Halle, Germany	Prof. M. Glomb	Master Thesis	Investigation of hop compounds during the ageing of beer
7 Oregon State University, USA	Prof. Tom Shellhammer	Research Project	Consumer preference for citrus, herbal, floral, and tropical fruity aroma in beer
8 TU München Weihenstephan, Germany	Dr. Martin Zarnkow	Research Project	Hops as a Regulator for the Red Coloration of Beer



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Doemens Technicum

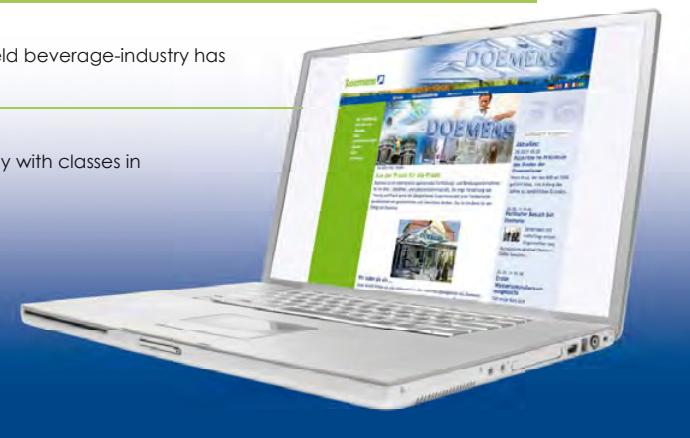
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The 40 largest brewing groups

The 40 largest brewing groups worldwide as of 31. 12. 2010

Brewery	Country	Production vol. 2010 in mill. hl	Percentage of world beer production	
1 AB InBev ¹⁾	Belgium	358.7	19.4 %	Merger and acquisition highlights among the 40 largest brewing groups worldwide
2 SABMiller ²⁾	United Kingdom	172.3	9.3 %	
3 Heineken	Netherlands	145.9	7.9 %	
4 Carlsberg	Denmark	114.0	6.2 %	
5 China Resource Brewery Ltd.	China	93.3	5.1 %	2010 was a comparatively uneventful year as far as mergers and acquisitions in the brewing sector are concerned. The biggest deal was made by Heineken acquiring the beer unit of FEMSA in Mexico and Brazil, which gave it a foothold in Latin-America and allows it to tap into these very profitable beer markets. Kirin consolidated its holdings in Lion Nathan, Australia, and acquired the remaining shares to become sole owner of the breweries in Australia and New Zealand.
6 Tsingtao Brewery Group	China	64.0	3.5 %	
7 Grupo Modelo	Mexico	51.9	2.8 %	
8 Yanjing	China	50.3	2.7 %	
9 Molson-Coors	USA/Canada	48.7	2.6 %	
10 Kirin	Japan	30.3	1.6 %	
11 Efes Group	Turkey	24.2	1.3 %	
12 BGI / Groupe Castel	France	23.5	1.3 %	
13 Diageo (Guinness)	Ireland	22.0	1.2 %	
14 Asahi	Japan	21.8	1.2 %	
15 Polar	Venezuela	20.7	1.1 %	
16 Grupo Schincariol	Brazil	20.0	1.1 %	
17 San Miguel Corporation	Philippines	19.9	1.1 %	
18 Gold Star	China	19.3	1.0 %	
19 Chongqing Beer	China	17.8	1.0 %	With FEMSA and Lion Nathan disappearing from the league table, two new entries are now in the top 40 list: Oriental Breweries in Korea (divested by ABI in 2009) and Hanoi Beverage Company (HABECO) of Hanoi, Vietnam, in which Carlsberg holds a minority share.
20 Radeberger Gruppe	Germany	13.1	0.7 %	
21 StarBev	Czech Republic	13.0	0.7 %	
22 Grupo Mahou - San Miguel	Spain	12.5	0.7 %	
23 Pearl River	China	12.1	0.7 %	
24 Singha Corporation	Thailand	11.9	0.6 %	
25 Petropolis	Brazil	11.0	0.6 %	
26 Hite	South Korea	10.4	0.6 %	
27 Saigon Beverage Corp. (SABECO)	Vietnam	10.1	0.5 %	
28 Obolon	Ukraine	9.9	0.5 %	
29 CCU	Chile	9.3	0.5 %	Now that debt levels have largely been brought under control by the industry's consolidators more deals are expected to emerge while strategic options are being debated, e.g. geographic spread vs. synergies in one market, "beer only" or tie-ups with other beverage categories (spirits, non-alcoholic), etc.
30 Shenzhen Kingway	China	9.2	0.5 %	
31 United Brewery	India	8.8	0.5 %	
32 Damm	Spain	8.5	0.5 %	
33 Foster's Group	Australia	8.5	0.5 %	
34 Oettinger	Germany	8.2	0.4 %	
35 Oriental Brewery	South Korea	7.8	0.4 %	
36 Suntory	Japan	7.5	0.4 %	
37 Bitburger Braugruppe	Germany	7.4	0.4 %	
38 Beer Thai (Chang)	Thailand	7.2	0.4 %	
39 Sapporo	Japan	7.0	0.4 %	Quick Helper
40 Habeco	Vietnam	6.0	0.3 %	
Total		1,518.0	82.2 %	
World beer production 2010		1,846.4	100.0%	

¹⁾ Without Modelo

²⁾ Without China Resource Brewery Ltd.



Tradition meets Innovation

The Barth-Haas Group is the global market leader in all products and services derived from hops. As a successful family-run company, we have been developing innovative hop-based products to meet brewers' needs for over 100 years. We are setting new standards in hop-based applications. Our customers benefit from our reliable partnership, extensive technical know-how and comprehensive service. We are the Barth-Haas Group and Hops are our World!

www.barthhaasgroup.com

Germain Hansmaennel

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