



„Once the hops scratches you,
it never lets you go“

38th Annual Report – 2024



Interessen Gemeinschaft
Qualitätshopfen Niederlauterbach

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Dear readers,

it is a pleasure to be able to give you a review of the developments surrounding our IGN quality hops in crop year 2024.

The past twelve months have once again presented us with major challenges - whether due to the ongoing plant protection issue, particularly in connection with dimethomorph, or the tense situation in the brewing and hop industry. The current overproduction of hops in combination with a stagnating beer market demands a high degree of foresight and adaptability from all of us. In this context, acreage reductions in varieties such as Perle, Hallertau Tradition and probably also in individual high-alpha varieties are unfortunately unavoidable and are already being applied.

But despite all the difficulties, we can also look back on numerous positive developments. The founding of the Hallertau Watering Association represents an important milestone in securing the future of hop growing in our region - especially in times of increasing climatic extremes. Such initiatives are an expression of forward-looking and solution-oriented cooperation, which we would like to continue to build on in the future.

The cooperation with our longstanding partners – first and foremost the IGN hop growers, breweries, processing plants, the Landesanstalt für Landwirtschaft (LfL) and the Gesellschaft für Hopfenforschung (GfH), the Hopfenring (HR) and many other companions - remains a key success factor for us. I would particularly like to thank the President of the LfL, Stephan Sedlmayer, for the good personal discussion in which we were able to develop promising approaches for joint projects in order to strengthen hop growing in the long term and develop it innovatively. The topic of biodiversity remains a central concern for us, and we will continue to work on it consistently for our hop farms and therefore for the breweries.

Within our IGN team, the past year was characterized by strong team spirit – and was enriched by the addition of some new colleagues, whom we introduce to you at the beginning of this year's report. One highlight was our internal workshop on AI, where we worked together to develop new areas of application for AI in everyday working life.

Our IGN summer festival was once again a great success and showed how much heart and commitment there is in our unique IGN family. Other traditional events were also a complete success: the "IGN-Hopfentag" (IGN Hop Day) provided an excellent platform for exchanging ideas and meeting growers



and brewers. And with the "Bavarian Hopfest by IGN" as part of the Craft Brewers Conference in the USA, we were once again able to bring the fascination of Bavarian hop culture to life internationally. The year was rounded off with the Brau Beviäle in Nuremberg.

I would like to thank you all – whether you are hop growers, partners, customers or friends – for your support, your loyalty and your trust. Together, we would like to move forward boldly in the coming year and actively shape the challenges of our time.

I wish us all a successful year 2025, a safe hop harvest and continued good cooperation based on partnership.

With best regards from the Hallertau.
Hops & malt - God bless!

Yours, Mario Scholz
Managing Director IGN Qualitätshopfen GmbH

We Are IGN

IGN Qualitätshopfen GmbH

IGN Qualitätshopfen GmbH is a hop marketing company owned by hop growers. Since our foundation in 1990 (GmbH), we have specialized in the marketing of high-quality hops. The foundation for our company was laid by an association of hop growers in Niederlauterbach in 1987.

Our aim is to be a reliable partner for top-quality hop products – and at the same time to actively promote hop growing in our region. We face current challenges and future developments with future-oriented innovations and a high degree of creative drive.

Thanks to our many years of experience and close cooperation with our hop growers, we are able to offer a wide range of high-quality hop varieties. Our products are carefully selected and grown and processed under strict quality controls.

We understand the needs of our customers and do everything we can to offer them first-class service at all times. Our aim is to build long-term partnerships – and to be successful together. It

is very important to us to gain the trust of renowned breweries and to find our hop products in their beers.

We develop solutions with passion, expertise and commitment – individually, creatively and practically. We attach great importance to customer satisfaction and direct exchange with our growers, partners and customers.

Our team unites people with very different backgrounds – from hop growing, directly from breweries or even without previous contact with hops. But one thing unites us all: our enthusiasm for this extraordinary plant.

This passion is also reflected in the title of this year's annual report. The saying "Once the hops scratches you, it never lets you go" is one of the favorite quotes of our (co-)founder Georg Breitner Sr. Because no matter when we first become fascinated by hops, they stay with us for the rest of our lives.



Well positioned for the future

IGN shareholders' meeting: New advisory board elected and Ludwig Eisenmann bid farewell

IGN GmbH has now held its annual general meeting at Gasthaus Reich in Niederlauterbach: There were new elections and also a farewell. During this event, the new advisory board was elected, which will accompany and support the company in the coming years, according to IGN. Sebastian Kürzinger was elected as the new Chairman of the Advisory Board and will take on this responsible task. Johannes Hagl was appointed Deputy Chairman of the Advisory Board. Other members of the committee are Anton Wittmann, Stefan Eisenrieder, Stefan Finkenzeller and Johann Rauscher, who is a new member of the advisory board. The company also took this opportunity to say a special thank you to Ludwig Eisenmann, who stepped down from his position after almost three decades on the Advisory Board. Ludwig Eisenmann had been a member of the IGN GmbH Advisory Board since 1995 and had chaired it since 2012.

"His tireless commitment and extensive expertise have helped shape the development of the company," the company announced. "The shareholders and the entire company would like to thank him sincerely for his extraordinary contribution."

With the newly elected Advisory Board, IGN GmbH believes it is ideally positioned to continue to successfully master the challenges of the market and achieve its strategic goals, the press release continues.



We are the new faces behind the IGN and would like to briefly introduce ourselves:

Ute Breitner

Greetings! I'm Ute Breitner and I successfully completed my Master's degree in Agricultural Sciences at TUM. Some of you may remember me from before, because I've been with IGN since 2014. After six years of parental leave with my two daughters, I am now looking forward to diving back into the world of work. "If the hops scratches you, it never lets you go" applies to me perfectly – because my fascination with hops has been with me all my life, as I grew up on a hop farm in Holzleiten and have always had something to do with hops. It was clear to me that I would start working at IGN again after my parental leave, because everything comes together here: The hops; the close cooperation with the hop growers and the breweries and last but not least a nice, great and committed team. I'm looking forward to being part of IGN again and supporting my colleagues in all the work that needs to be done, contributing my knowledge and experience and taking on new challenges.



Georg Kraus

Good day to you! I'm Georg Kraus and I joined IGN at the end of November. I grew up in Raitbach, a small village on the western edge of the Hallertau, on a hop farm. Agriculture has always been an important part of my life, which is why I decided to study agricultural sciences at the Technical University of Munich in Weihenstephan for my Bachelor's and Master's degrees. I was hooked on hops from an early age, so I'm glad to have come to IGN by chance straight after my studies, where I have the opportunity to gain a foothold in the hop industry. I particularly like the fact that the IGN is owned by growers and sees itself as a direct link between growers and brewers. The contact with both the breweries and the hop farms makes my day-to-day work varied and I really appreciate working in a young, motivated team with so much expertise. My first day at work for IGN was right at the BrauBeviale in Nuremberg, so I was thrown in at the deep end. In my short time at IGN, I have already been able to learn a lot and take on a lot of responsibility. My areas of responsibility are in sales and marketing, mainly internationally.



Stephanie Rauscher

Hello everyone, I'm Steffi. Just over 10 years ago, I married into a farm in Niederlauterbach, started a family and got to know life on a hop farm. Family life and the work of a farmer is challenging, but precisely because it is so varied, it also has its nice sides and I quickly became enthusiastic about it. My career began with training as an industrial clerk and I have now been working in the commercial sector for many years. IGN has given me the opportunity to combine exactly these two big parts of my life, hops and the office. I am also pleased that the outstanding quality of the hops is highly appreciated here and that I simply enjoy working with my colleagues in the entire IGN team.



Kilian Lutz

Hi, I'm Kilian, I'm 23 years old and come from Gschwend in the municipality of Wolnzach. I'm studying agriculture with a focus on crop production at the Weihenstephan-Triesdorf University of Applied Sciences in Freising and completed an internship at IGN in October 2024, which I really enjoyed. Since January, I have been able to help out regularly in the IGN office as a working student and have an insight into all areas of the company. I've been interested in agriculture and hops since I was a child, which is why I regularly help out on my uncle and aunt's hop farm and have been working as a temporary worker at the LfL in Hüll in the summer months for a few years now. What I particularly like about the IGN is being the link between growers and brewers. At IGN, you're rooted in the region, but you're in contact with customers all over the world – and you're part of a friendly and nice team!



Interessengemeinschaft Qualitätshopfen Niederlauterbach e.V.

The development of the Interessengemeinschaft Qualitätshopfen Niederlauterbach and its pioneering impulses in hop growing.

From the very beginning, the Interessengemeinschaft Qualitätshopfen Niederlauterbach (IGN) focused on excellence and competitiveness in hop production. From the very beginning, the members of the IGN recognized the central importance

of quality and consistency and strived for more than just pure cultivation. Their aim was to establish standards that would set their hops apart from others – a vision that was very different from that of their competitors. This focus on first-class quality and the continuous improvement of production processes was the key to their long-term success and their position as pioneers in the industry.



f.l.t.r.: Josef Kronast, Brewmaster Schlossbrauerei Maxlrain, Anton Wittmann, IGN- Hop Grower, Mario Scholz, MD IGN Qualitätshopfen GmbH

The motto: “Act instead of react!”

In 1990, the IGN established its own production rules, which were groundbreaking for the industry. These rules included the use of varietal and virus-free planting material, annual soil tests and the implementation of basic fertilization measures, which primarily served to protect against soil erosion. These rules went far beyond the usual production requirements of the time and ensured sustainable and high-quality hop production. They formed the basis for the quality that was to make the IGN synonymous with first-class hops.

In the same year, 1990, the IGN introduced neutrally controlled contract farming (neutral kontrollierten Vertragsanbau = KVA). Neutrally controlled contract farming is the targeted production of hops according to the principles of integrated, environmentally friendly plant cultivation in Bavaria. With this cultivation method, soil cultivation and care measures, fertilization and plant protection are carried out and coordinated in such a way that hops with a high brewing value are produced while at the same time protecting the natural environment.

As contractual partners in the KVA, the hop growers expressly undertake to produce hops in accordance with the rules of integrated, environmentally friendly hop growing. In order to measurably increase the sustainability performance of hop production on the farm, they also participate in the sustainability system for German hop growing.

This quality certification ensured that compliance with the defined production rules was not only promised, but also objectively verified. The independent inspection by third parties ensured that IGN's high standards were indeed met, which further strengthened the confidence of breweries and customers. Today, IGN is still the only hop trading company to offer hop products that have been awarded the KVA certificate – a unique selling point that demonstrates the success and credibility of the community.

Another significant step in quality assurance was the introduction of neutral hop quality sampling of raw hops in 1993/94. This initiative was revolutionary at the time as it allowed IGN hop growers to objectively assess the quality of their product and ensure that it met the highest standards. Through this neutral quality assessment, the IGN was able to guarantee precise and reliable quality control, which convinced both the growers and the buyers of the hops. This pioneering work not only helped to strengthen IGN's reputation, but also cemented its status as a reliable supplier of first-class hops.

Today, neutral quality assessment (NQF) is carried out by AgroLab, a renowned neutral laboratory. The NQF system, which the IGN was instrumental in promoting, has now become established throughout the industry and has been implemented by the Hop Industry Association throughout the hop industry. This development shows that Georg Breitner is considered a visionary of neutral quality assessment in the hop industry. His vision and the innovative work of the IGN not only revolutionized the quality of hops in the Hallertau region, but also had a lasting impact on the entire industry.

The pioneering developments of the IGN in terms of quality assessment and the establishment of objective control mechanisms have influenced the hop industry in Germany and beyond. The IGN not only stands for outstanding quality, but also for a pioneering role in the development of standards.

We are constantly striving to develop further and looking for challenges and new goals. Looking to the future, we have already launched further projects to prepare ourselves for the challenges ahead. These include the biodiversity scenery in Eichelberg, the evaluation of synergetic methods to combat pests and diseases in hop cultivation and the spreading of predatory mites to prevent the common spider mite. Our aim remains to secure hop growing in the Hallertau region in the long term and to continue to provide our hop growers with the best possible support.



We Are IGN
www.ign-hopfen.de

Hops connect - IGN summer trip to Alsace

In 2024, a group from the Interessengemeinschaft Qualitätshopfen Niederlauterbach e.V. once again set off on its traditional summer trip - this time the three-day excursion took them to picturesque Alsace. Between hop gardens, culinary delights and cultural discoveries, the trip offered a successful mix of technical knowledge, socializing and new impressions.

Day 1: Organic hops, heather flowers and a nice barbecue evening

Early on Monday morning, July 1, 2024, the tour bus departed Niederlauterbach on its way to France. Around midday, the group arrived at the hotel just outside Dorlisheim, where they had lunch together to fortify themselves for the afternoon ahead.



The first educational highlight was a visit to the hop-growing facility in Bischoffsheim. The tour then continued to the Lycée Agricole agricultural school in Obernai. The associated organic farm, which cultivates around 30 hectares of organic hops, was particularly impressive. But that was by no means all: in addition to arable farming, bull farms and hops, the IGN members came across a special feature in the greenhouses - the breeding and propagation of heather flowers. The farm is very innovative, using its own reservoirs for irrigation – an example of sustainable resource management in agriculture.

In the evening, the day ended with a convivial barbecue buffet in a nearby restaurant. First impressions were exchanged and new contacts deepened in a relaxed atmosphere.

Day 2: Hops, snacks and marketing

Tuesday began with a visit to Sebastien Holtzmann's hop farm. It was interesting to note that hops in Alsace are sometimes grown in closer rows and on higher trellises than in the

Hallertau. In addition to well-known varieties, Holtzmann also focuses on regional specialties, which made for an interesting exchange among the growers.

After lunch, the route continued to Gundershoffen to the Boehli company, a well-known manufacturer of salted pretzels and pretzel sticks. In an entertaining presentation, the participants learned interesting facts about the company's history and modern production processes – and, of course, were treated to a taste of the crunchy snacks.



Another highlight of the day was a visit to the Comptoir Agricole cooperative, which acts as the central marketing center for Alsatian hop growers. The hops delivered are sampled, sealed, processed and exported worldwide. A tour through the cold storage and processing halls provided IGN members with valuable insights into logistics and quality assurance in the international hop trade.

The evening ended with a convivial get-together with other hop growers from the region. Over a hearty snack and lively conversation, new contacts were made, experiences shared and similarities discovered – hops bring people together.

Day 3: City, boat and Strasbourg flair

On the third and final day, a visit to the Alsatian capital of Strasbourg was on the agenda. After an idyllic boat trip through the city's canals, there was still time at leisure. Whether it was a stroll through the picturesque "La Petite France" district, a look at the imposing cathedral or a photo of the European Parliament – the city had something to offer everyone. In the afternoon, the group set off on their way back home, full of impressions and topics for discussions – and with the feeling that, once again, they had not only learned new technical and cultural skills across national borders, but also strengthened their sense of community.

Impressive technology and the art of brewing: The IGN Candlemas Tour 2025

On February 3rd 2025, the day after Candlemas, around 40 members and employees of IGN e.V./GmbH went on the traditional Candlemas trip. The day that marks the end of the Christmas season and the beginning of the brighter days was, as every year, a wonderful occasion for our joint excursion.

Wood technology at ALBACH Maschinenbau AG

The first stage of our trip took us to ALBACH Maschinenbau AG in Menning, a well-known global manufacturer of special machines in the field of wood technology. We gained exciting insights into the company's development and production at two different locations.

During an interesting guide through the assembly halls, we learned that ALBACH, founded by brothers Franz and Michael Bachmaier, has been active in this industry since 2006 and can now look back on over 700 wood chippers produced.



However, the machines themselves were really impressive – true powerhouses such as the Diamant 2000, a self-propelled wood chipper, the Wüst SMC-812 PTO trailed chipper or the spectacular FÄLLBACH logging crane, mounted on a truck for felling the most difficult trees. The visit made it clear how much precision and passion goes into every machine. After the visit, it was time for a snack. Over a hearty sausage roll with pretzels and beer, all participants were able to recharge their batteries and discuss the impressions they had gained.

The art of brewing at the Plank brewery

In the afternoon, the next stop on the program was a visit to the multi-award-winning Plank brewery in Laaber. Owner Michael Plank welcomed us personally and gave us a look behind the

scenes of his brewing art, which regularly receives international recognition – such as bronze medals at the World Beer Cup 2022 and the European Beer Star 2022 and 2023. Of course, we were also invited to taste the award-winning beers, from classic wheat beers to modern American styles. As Michael Plank explained, the beers not only delight customers in Germany – beer lovers around the globe regularly order from the Plank brewery and are supplied by shipment.



A highlight of the tour was the live connection to his son, who is also a brewer – but not in a traditional brewery, but on a cruise ship, from where he told us about his unusual work.

A cozy finale

The atmospheric conclusion to our Candlemas trip was a dinner together in a convivial atmosphere. We reflected on the day in a relaxed atmosphere before the bus took us safely back to Niederlauterbach in the evening.

The IGN Candlemas Tour 2025 was once again a successful mix of tradition and exciting insights. Whether it was the impressive wood cutters or the creative beer specialties – we saw how much innovation and passion there is in regional businesses. And by the way, it was also simply great to be out and about together, exchanging ideas and thinking outside the box.



The Added Value of IGN

Focus on quality Hop assessement at the IGN regulars' table

On November 4, 2024, the IGN organized a special regulars' table on the topic of hop scoring, which met with great interest among our hop growers. The event took place in the IGN office.

At the beginning of the event, Managing Director Mario Scholz welcomed the participants and gave an overview of the current situation on the hop market.



The focus of the evening was the assessment of this year's hop harvest. Selected batches of all the main varieties grown in the Hallertau from the 2024 harvest were subjected to a detailed quality inspection. In order to ensure an objective assessment, all batches evaluated were anonymized – the attendees only received the Agrolab results, the harvest periods and information on the weather conditions during the harvest.

The IGN regulars' table not only served as a forum for professional exchange, but also underlined the central importance of quality assurance in the hop industry. The hop growers were given an impressive demonstration of the decisive influence that careful cultivation, professional harvesting and careful drying have on the production of excellent IGN hops. Of course, the physical well-being was taken care of – the participants were able to exchange their experiences and chat in a pleasant atmosphere over food and beer.



The hop assessment proved to be a very interesting event that served to raise awareness of high-quality hops.



We look forward to organizing assessments with our growers again in the future.





Biodiversity Scenery - Eichelberg

The “Biodiversity Scenery Eichelberg” project is a pioneering cooperation between the Hop Research Center Hüll and the Interessengemeinschaft Qualitätshopfen Niederlauterbach e.V. (IGN), which demonstrates that economically successful hop cultivation and biodiversity can coexist in harmony. On an 85-hectare area in Eichelberg, which is managed by three IGN farms, productive hop gardens, fields and forest areas are to be maintained in their economic viability, while less productive areas are specifically enhanced for biodiversity.

The practical implementation of the concept has been underway since 2021 with a wide range of measures to promote biodiversity. The action plan developed includes the creation of various habitats such as rock piles, sand piles, dead wood piles, field copses, hedges and flowering strips to accommodate different species. The “flagship species” of the project – including the woodlark, grey partridge and tree sparrow – are

particularly emphasized, as they typically live in and around hop fields in the Hallertau, but are rather rare.

In cooperation with the AELF (= Amt für Ernährung, Landwirtschaft und Forsten) Pfaffenhofen/Ingolstadt, the LBV (= Landesbund für Vogelschutz in Bayern e.V.) and the lower nature conservation authority, a 2 km long nature trail with display boards is being created to bring visitors closer to the diversity of native nature in the hop-influenced landscape. The descriptive information is intended to sharpen the perception of the environment, increase acceptance of the measures and illustrate the farmers' connection with nature.

Last year, predatory mites were spread on a hop-growing area in the Eichelberg biodiversity scenery as part of the trial on the ecological regulation of the common spider mite in hops. Predatory mites, such as *Phytoseiulus persimilis*, are natural enemies of the spider.

They eat the spider mites and therefore help to reduce damage to the plants. The success of predatory mites depends largely on precise and efficient distribution on the crop plants. Mechanical distribution using a tractor and special equipment was used to apply the predatory mites to the hops, integrating them into the hop crop. As a result, our IGN hop growers have already seen the first positive effects of the predatory mite application in crop year 2024. However, one year is not enough for us to precisely evaluate the successful effect of predatory mites, which is why we will be spreading beneficial insects to control the common spider mite again this year together with Florian Weihrauch from the Hop Research Center in Hüll in order to gain further insights into the biological variant for regulating the pest in hop cultivation. We hope that the results of our trial will enable us to gain further knowledge about pest control using predatory mites in hop growing, so that their use can be applied efficiently, economically and successfully on hop farms in the Hallertau in the future.

But that's not all! Our biodiversity scenery in Eichelberg is constantly evolving – plans are already underway for the further expansion of biodiversity-promoting structures. For example,

a sky pond is to be created in the Eichelberg biodiversity scenery this year. This is a still water reservoir that is not fed by any surface inflow and only draws water from precipitation. The creation of such sky ponds promotes the biodiversity of various aquatic organisms such as fish, amphibians, insects and aquatic plants. They also serve as a resting and feeding place for waterfowl and other bird species, while at the same time supporting the local water cycle by storing and slowly releasing water into the soil and promoting the recharge of groundwater. According to our hop growers Sebastian Kürzinger and Anton Wittmann, a suitable location for the sky pond has already been found and they are already looking forward to implementing the new project. Yet another part of the expansion of biodiversity.

The “Eichelberg Biodiversity Scenery” project represents an innovative collaboration between the Hüll Hop Research Center and the Interessengemeinschaft Qualitätshopfen Niederlauterbach e.V. (IGN) to promote biodiversity in hop growing. This pioneering project demonstrates the commitment and cooperation of farmers, nature conservation organizations and research institutions and paves the way for sustainable hop cultivation that reconciles both sustainability and economic goals.



IGN-Hopfentag 2024

Our traditional “IGN-Hopfentag” took place on August 22nd. This year, we welcomed our hop growers, breweries and partners to the “IGN-Hopfentag” at the hop-growing farm belonging to the Ostler family in Oberulrain in the district of Kelheim.

Our guests started the day with a traditional welcome with beer and veal sausage and took the opportunity to exchange ideas in a relaxed atmosphere.

Mario Scholz, Managing Director of IGN, welcomed the guests and opened the event. In his speech, he highlighted the importance of hops for the region and the entire business. He emphasized how important the exchange and cooperation within the hop growers is for us at IGN.

A special highlight was our Hallertau triumvirate, Eva-Maria Pichlmeyer, Anna Fischer and Sophie Huber, who performed the “Hallertau Lied” at the request of Mario Scholz. What a show!



Presentations and fascinating insights

Dr. Werner Gloßner, Managing Director of the Doemens Academy, started with an interesting presentation on “Non-alcoholic bottom-fermented beers – more than just a stopped fermenter”.



During the vintage bulldog tour, which takes place every year, all guests were able to get an impression of this year's hop stocks. Georg Kindsmüller from Hopfenring Wolnzach e.V. presented a review of the development of hops in crop year 2024 and shared his well-founded assessment of the current hop situation with the guests.



Insights into hop cultivation

After a pleasant coffee break, the next presentation followed, in which Dr. Sebastian Gresset from the Hüll Hop Research Centre spoke about “100 years of hop cultivation in Hüll - new solutions for old problems”. In his presentation, he highlighted the important role of hop cultivation and its innovative development over the years.

Sebastian Kürzinger, 1st Chairman of IGN e.V., outlined the challenges and developments of the hop year 2024 and presented the results of the current IGN hop harvest assessment.

Market overview and outlook

Adolf Schapfl, President of the German Hop Growers' Association, gave us an overview of the current global hop situation. This was followed by Walter König, Managing Director of the Brauergemeinschaft e.V., who explained the current malting barley and brewing wheat situation.

Generation change in the family brewery

A special highlight of the day was the presentation by Gisela and Monika Meinel from Meinel Bräu in Hof. They gave exciting insights into the "Generation change in a family brewery" and reported on the challenges and opportunities that such a transition entails.

With Bavarian specialties and refreshing beer from Meinel Bräu, the "IGN-Hopfentag" ended with lively discussions between the visitors.

The "IGN-Hopfentag" 2024 was once again an eventful day full of interesting presentations, valuable insights and lively discussions. We are already looking forward to the next Hopfentag and the intensive exchange that will continue to bring us together in our business.



A heartfelt thank you

to family Ostler for hosting the "IGN-Hopfentag" on their farm and to the speakers Dr. Werner Gloßner, Georg Kindsmüller, Dr. Sebastian Gresset, Sebastian Kürzinger, Adolf Schapfl, Walter König and Gisela and Monika Meinel.



Bavarian Hopfenfest by IGN 2024

On the occasion of the Craft Brewers Conference 2024, IGN organized the "Bavarian Hopfest by IGN" in the middle of the desert city of Las Vegas. Just a stone's throw from the glittering Las Vegas Strip, more than 300 beer lovers gathered in the legendary beer bar "The Silver Stamp". True to the motto "Brewers & Friends", we created a trusting setting in which friends, customers and partners could come together and escape the hustle and bustle of the big city for a few hours.



This year, we once again created collaboration beers especially for our legendary "Bavarian Hop Festival by IGN". The collaboration with the breweries is a special highlight for us every year. We are proud to see how our shared passion results in unique beers - all brewed 100% with IGN quality hops.

Among the big names in the beer industry were Russian River, Firestone Walker, Boston Beer Company, Big Dog's Brewing Company, Monkish Brewing Company and the Plank brewery from Bavaria.



We were able to present the following beers together with our collaboration partners:

"Maibock" from Samuel Adams, brewed with Tango Record and Diamant

"Hop Queen" from Russian River Brewing Company, a real cellar beer with the hop varieties Record, Diamant and Hersbrucker Spät

"Pivo Pilsener" with the varieties Spalter Select, Hallertauer Magnum and Saphir from Firestone Walker Brewing Company

"HasselHopfen" from Big Dog's Brewing Company brewed with Callista, Tango and Hallertau Blanc

"Schlager Lager" from Monkish Brewing Company with the varieties Spalter Select, Ariana and Callista

And from the Plank brewery their well-known **"Plank Hefeweizen"** used with Record and Ariana



As a gesture of thanks, all participating breweries received a beautiful stone mug with an engraved pewter lid. These mugs will be available every year in the future to commemorate the special event of the "Bavarian Hop Festival by IGN".

A very special thanks goes to Rose Signor and Andrew Smith of "The Silver Stamp" and their entire team for their great hospitality, which made it possible for us to celebrate the "Bavarian Hop Festival by IGN"!

Visit of the Boston Beer Company / Samuel Adams in the Hallertau

A special exchange of passion and expertise

In June last year, we were very pleased to welcome David Cohen and Bryan Baxter from the Boston Beer Company / Samuel Adams on their tour through the Hallertau. As a grower-owned company, it means a lot to us when breweries show such great interest in getting to know our hop growers and promoting the exchange of ideas.

The day began with an exciting tour through the hop gardens of the Hallertau, where we visited our IGN hop growers. Here we took the opportunity to discuss upcoming challenges and opportunities for both sides to understand each other's perspectives. To present possible future opportunities, we gave David and Bryan a tour around our biodiversity scenery in Eichelberg. We were delighted with their positive feedback on our commitment to finding alternative solutions to current and future challenges in close collaboration with our IGN hop growers.



We continued our visit to the Kirzinger hop farm afterwards. Our IGN hop growers were invited to attend a presentation by David Cohen, who spoke about the high quality requirements for Hallertau aroma hops.

He gave our hop growers an understanding of the philosophy of their brewery and the importance of Hallertau hops for their beers. Particularly worth mentioning was his emphasis on the importance of a close relationship between brewery and grower. Only through mutual understanding and close cooperation it can be ensured that the expectations of both

sides – the brewery and the hop grower – are met in the best possible way.

The evening was rounded off in a pleasant atmosphere with grilled sausage rolls prepared by the IGN team. The Boston



Beer Company brought its famous Samuel Adams Lager to Germany especially for the occasion, which was met with great enthusiasm by our hop growers and led to a successful evening.



We are grateful for this opportunity to promote the exchange between hop growers and brewers from all over the world and to share a common passion for hops and beer. We look forward to working together in the future and deepening our partnership.

Many thanks

to the Kirzinger family, David Cohen and Bryan Baxter of Boston Beer Company and to everyone who made this memorable day possible.

BrauBeviale Nuremberg 2024



On November 26 to 28, 2024, we had our own stand at the BrauBeviale in Nuremberg.

Every year, it is a highlight for us to welcome many of our national and international customers at our stand during the three days of the trade fair. Personal and direct contact is very important to us and we are always pleased to have the opportunity to meet many of our customers in person. The informative exchange and interesting discussions with our growers and customers offer us great added value.



It brings us great joy when IGN hop growers and breweries meet and exchange ideas at our stand.

We are especially proud of our two hop growers Sebastian Kürzinger and Anton Huber.



Both growers were honored for their excellent hops at the hop champions' variety awards. Sebastian Kürzinger impressed with his Hallertauer Tradition and secured the bronze medal in the aroma hop category. Anton Huber's Polaris was awarded the gold medal in the bitter hops category for its outstanding quality.



We are delighted to look back on a successful event and would like to thank all hop growers, partners and breweries for coming by and making the fair even more enjoyable.

Hop harvest on the organic farm enters its fourth round in 2025

This year, the Gruppe Bio Hopfen is offering its successful Brewing trainees program for the organic hop harvest for the fourth time. What began in 2022 with two trainees has been expanded year on year and has now become an integral part of the harvest season. Due to high demand, three additional places will be offered for the 2025 harvest.

In addition to helping with the harvest, the experience also includes accompanying program items such as brewing a green-hopped beer, hop tastings and group tastings. In this way, the trainees not only gain valuable knowledge, but also develop a deeper understanding of the origin and quality of hops as raw material. This is an aspect that should not be neglected during training.

We are delighted with the growing interest and positive feedback from the breweries. We see the program as a contribution to the promotion of young talent and a better understanding of sustainable raw material production in the brewing industry.

We would like to invite not only trainees from organic breweries, but all breweries who would like to give their trainees a special insight into hop production.

We ask interested breweries to contact us at info@gruppebio.de.

Your team of Gruppe Bio Hopfen



The aim of the program is to give trainees from breweries a direct insight into organic hop growing. The participants experience the harvest time on the hop farm up close, work together with the team on site, learn about the special features of organic cultivation and play an active role in the harvest. The focus is on both practical experience and in-depth knowledge of the plant, processing and quality.



@gruppe_bio_hopfen



www.gruppebio.de



Sustainable Production Data – Key Metrics on Hops

Weather and growth development 2024

LD Johann Portner and Dipl.-Ing. agr. A. Baumgartner

The 2024 hop year started with an unusually warm spring, which meant that planting and cutting could be carried out in dry soil conditions and the best conditions for growth prevailed. From around mid-April, the weather turned cold and wet with light frosts towards the end of the month. This delayed the growth of late-pruned hops in particular, which in turn delayed pruning and training. The warm, but still overly humid May soon made up for the differences. By the beginning of July, most of the hops were well developed and showed abundant flowering. At the end of July, the first signs of yellow discoloration appeared on the lower leaves in less good locations and soils damaged by moisture. With 24 hot days (temperatures > 30 °C) and less than 140 mm of precipitation, July and August were midsummer months and pushed the hops, which had been spoiled by water up to this point, to their physiological limits on less good sites. The differences in development were not only visible visually, but were also reflected in the harvest in widely differing yields. The summery weather until the beginning of September accelerated ripening and the formation of constituents, so that harvesting began a few days earlier at the end of August.

With over 500 mm of precipitation during the main growing months of March to August, the location in Hüll received sufficient rainfall, although the distribution was somewhat uneven. While the large amounts of rain on May 31 and June 1 along the Paar, Ilm and Abens rivers caused major flooding and considerable damage to around 200 ha of hops, many hop gardens suffered from the heat and drought at the end of July and in August. Hop sites with good soil structure and high water storage capacity had a clear advantage this year and were able to achieve good yields even without irrigation.

Situation with disease and pest infestation

Lovage weevils only occurred locally and could be controlled with the plant protection product Exirel, which was approved for emergency situations. Earth fleas, on the other hand, caused considerable feeding damage to shoots and trained hops in many areas.

Peronospora primary infections occurred only moderately during the cold spring. Only with the abundant precipitation in May

and the rise in temperatures was there a stronger outbreak of primary and secondary Peronospora infections. The number of zoosporangia caught in the spore traps reached the control thresholds very quickly and remained at a very high level throughout the season. With 9 peronospora control calls from the end of May to the beginning of September, around twice as many treatments were necessary as in the previous year.

Powdery mildew was also frequently found in the field from mid-May and had to be regularly combated until shortly before the harvest. Despite the regular approval of "Luna Sensation" and the emergency approval of "Vegas", farmers had problems keeping the pathogen in check, with the result that late-harvested hops exhibited significant losses in color quality.

The abundant rainfall from spring into the summer also favored the occurrence of the dreaded Verticillium wilt.

The main animal pests, hop aphid and spider mite, were found on the hops relatively early, from mid-May. The warm and humid weather conditions favored the colonization and reproduction of the hop aphid, so that the first control measures were carried out from the beginning of June. The main control was carried out from mid-June to the beginning of July with Movento SC. This treatment was successful in most cases in the Hallertau, so that the hops were largely free of aphids from flowering onwards.

The infestation with the common spider mite was slowed down by the rainy weather. Double treatments were therefore rarely carried out. A targeted acaricide treatment in the form of Movento was often sufficient to keep the pathogen in check. In many cases, however, the population was able to recover over the course of the hot summer, so that further spider mite control was necessary at the end of July to the beginning of August.

The further spread of the citrus viroid or "Citrus Bark Cracking Viroid" (CB- CVd), which was first detected in the Hallertau region in 2019, was again investigated in Bavaria in 2024 as part of a voluntary monitoring program. The infestation still appears to be very limited and the spread is only progressing slowly and can be controlled by adhering to strict hygiene measures.

Significant aspects 2024

The heavy rainfall and flooding in southern Bavaria at the end of May to the beginning of June will be remembered, with damage to hops alone amounting to around 200 ha, which was compensated with aid from the state ministry after extensive damage assessment by the hop growers' association.

The high level of plant protection effort in hops in 2024 is also noteworthy. The main diseases peronospora and powdery mildew in particular continued to occur heavily from the start of growth and throughout the season, so that control calls and warning notices were issued at regular intervals and farmers

were constantly busy with plant protection treatments during breaks in the rain.

This year has once again impressively demonstrated that a reduction in plant protection measures cannot be planned, but that the intensity and frequency of pesticide use depends on the weather and thus on the occurrence of pests.

Many growers will also remember the heavy thunderstorm on the evening of August 14 at, which left numerous hop vines in many hop gardens and even caused some larger hop gardens in the Hallertau and in the Kinding area to collapse.



Sustainable Production Data – Key Metrics on Hops

Weather data from 2024 compared to the 10- and 30-year averages

Compared to the previous year, it can be seen that the hop year was a bit cooler and was affected by more precipitation. The difference in hours of sunshine is significantly noticeably – the sun was shining for over 200 hours less.

Month		Temperature at 2 m height			Relat. Air humidity (%)	Precipitation (mm)	Days with precipitation > 0,2 mm	Sunshine (hours)
		Average (°C)	Min. Ø (°C)	Max. Ø (°C)				
January	2024	0.6	-3.2	5.3	97.4	58.5	13.0	48.0
	10-y	0.5	-3.0	4.0	95.6	56.9	16.8	33.9
	30-y	-2.3	-5.9	1.1	86.7	50.8	14.8	47.1
February	2024	6.4	2.6	10.8	96.7	53.6	15.0	58.0
	10-y	1.9	-2.6	6.8	89.5	41.3	11.6	82.8
	30-y	-1.0	-4.9	3.1	81.4	46.8	13.3	72.1
March	2024	7.8	2.5	14.0	91.4	36.9	12.0	122.0
	10-y	5.1	-0.7	11.1	81.9	34.7	11.9	161.5
	30-y	2.8	-1.7	7.8	78.9	47.7	13.8	132.2
April	2024	10.1	3.9	16.9	87.0	61.9	14.0	164.0
	10-y	9.5	2.7	15.2	76.8	39.3	10.3	203.5
	30-y	7.1	1.9	12.8	73.8	60.8	14.1	164.3
May	2024	15.1	9.1	21.5	86.3	127.1	14.0	212.0
	10-y	13.3	7.5	19.2	79.6	91.6	14.4	205.1
	30-y	11.9	6.1	17.7	73.9	82.3	15.4	203.6
June	2024	18.2	12.5	24.8	91.6	139.6	16.0	183.0
	10-y	18.1	11.4	24.6	77.6	93.9	12.0	251.9
	30-y	15.1	9.0	20.8	74.6	103.5	15.3	212.3
July	2024	19.9	13.3	27.7	89.4	58.4	15.0	232.0
	10-y	19.2	12.4	26.1	78.9	81.2	12.9	247.8
	30-y	16.7	10.5	23.1	74.3	90.5	14.1	236.8
August	2024	20.1	13.5	28.0	91.3	78.9	19.0	236.0
	10-y	18.4	12.2	25.3	83.8	102.1	12.1	230.3
	30-y	16.0	10.2	22.6	78.2	91.7	13.8	212.4
September	2024	14.8	10.0	20.9	95.1	184.2	18.0	148.0
	10-y	14.2	8.2	20.9	88.4	47.6	10.4	179.1
	30-y	12.7	7.4	19.1	80.7	67.9	11.6	175.0
October	2024	11.1	7.4	15.2	99.4	36.1	19.0	63.0
	10-y	9.8	4.9	15.2	93.4	54.9	12.0	113.2
	30-y	7.6	3.2	13.1	84.2	51.1	11.0	117.2
November	2024	4.0	1.2	7.3	99.1	34.5	14.0	34.0
	10-y	4.6	1.1	8.7	96.4	57.8	13.3	52.3
	30-y	2.6	-0.6	6.1	85.5	57.5	14.4	52.9
December	2024	1.2	-1.2	3.9	99.8	46.1	15.0	23.0
	10-y	2.0	-1.3	5.9	96.8	60.3	15.8	35.1
	30-y	-0.9	-4.3	1.8	86.5	52.2	15.0	38.7
Ø-year 2024		10.8	6.0	16.4	93.7	915.8	184.0	1523.0
10-year average		9.7	4.4	15.3	86.6	761.6	153.5	1796.5
30-year average		7.4	2.6	12.4	79.9	802.8	166.6	1664.6

10-year average refers to the period 2014-2023
30-year average refers to the period 1961-1990

Source: LD Johann Portner, Dipl.-Ing. agr.

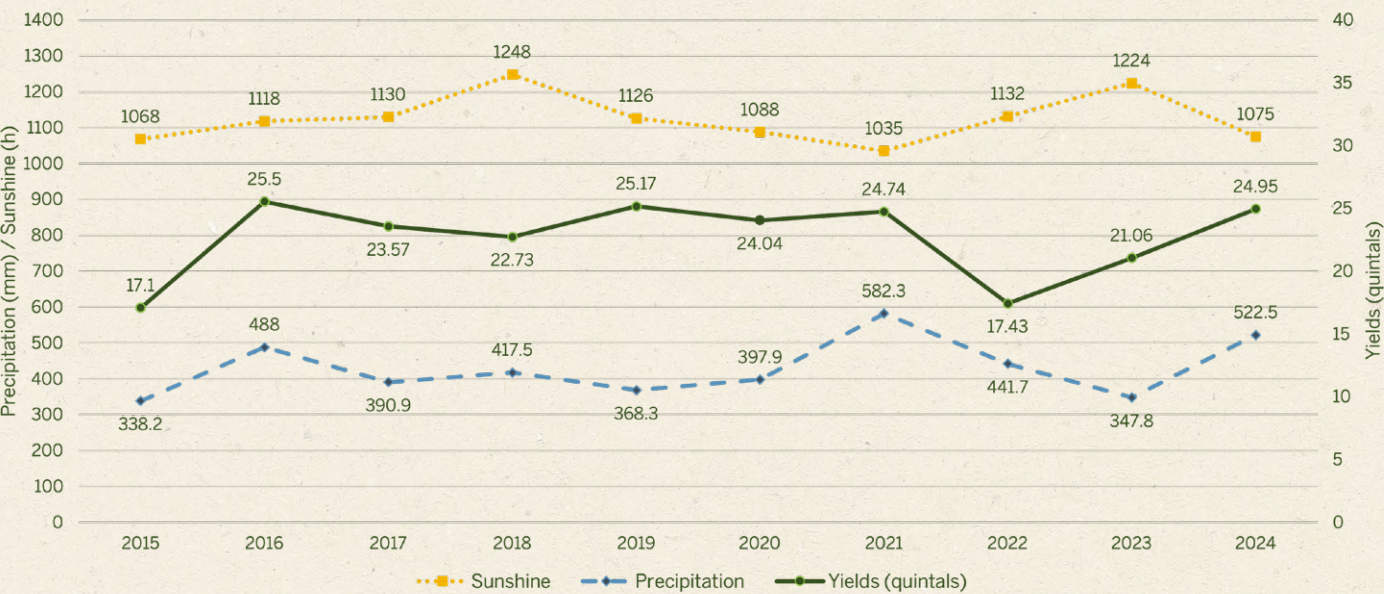


Climatic Conditions – Yield – Progress in Breeding

Sunshine duration (h) from May to September										
	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
May	161	208	266	243	168	213	175	256	235	206
June	208	192	281	244	305	179	287	279	301	212
July	281	237	220	284	250	280	196	214	246	246
August	278	262	236	265	225	224	163	172	197	245
Sept.	140	219	127	212	178	192	214	211	245	167
Total	1068	1118	1130	1248	1126	1088	1035	1132	1224	1075
5-year Ø	1138.0					1110.7				
Precipitation (mm) from May to September										
	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
May	113.7	88.0	87.0	72.8	126.2	30.7	143.1	52.5	54.8	122.9
June	112.9	132.0	58.9	139.2	70.1	158.2	99.5	115.9	31.5	109.9
July	27.6	134.9	78.0	67.2	37.1	64.9	116.6	121.2	80.2	88.7
August	43.4	66.7	96.8	85.8	99.2	95.6	203.3	122.5	157.8	69.8
Sept.	40.6	66.4	70.2	52.5	35.7	48.5	19.8	29.6	23.5	131.2
Total	338.2	488.0	390.9	417.5	368.3	397.9	582.3	441.7	347.8	522.5
5-year Ø	408.7					427.6				
Ø yields in the Hallertau (per ha) per variety in Germany (old areas)										
	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
HKS	23.63	33.18	30.61	29.73	31.29	30.58	30.49	23.54	26.29	28.29
PER	14.01	23.46	19.65	19.06	22.19	19.84	21.82	12.03	18.39	24.35
HTR	14.49	23.26	19.43	20.28	20.06	19.60	20.95	13.01	17.65	21.03
MBA	23.25	29.54	27.32	26.09	29.60	27.69	23.59	20.35	21.76	24.22
Ø yields in the Hallertau (per ha) of all varieties in Germany (old areas)										
	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Yield in dt	17.1	25.5	23.57	22.73	25.17	24.04	24.74	17.43	21.06	24.95
5-year Ø	22.8					22.4				

Source: AgrarMeteorologie Bayern, Verband Deutscher Hopfenpflanzer e.V., 2024

Yields in the Hallertau in comparison to sunshine duration & precipitation (May - Sept.)



Source: AgrarMeteorologie Bayern, 2024

Comparisons of the Findings Concerning Hop Quality for Crop Year 2024: Mean Values for IGN and the Hallertau

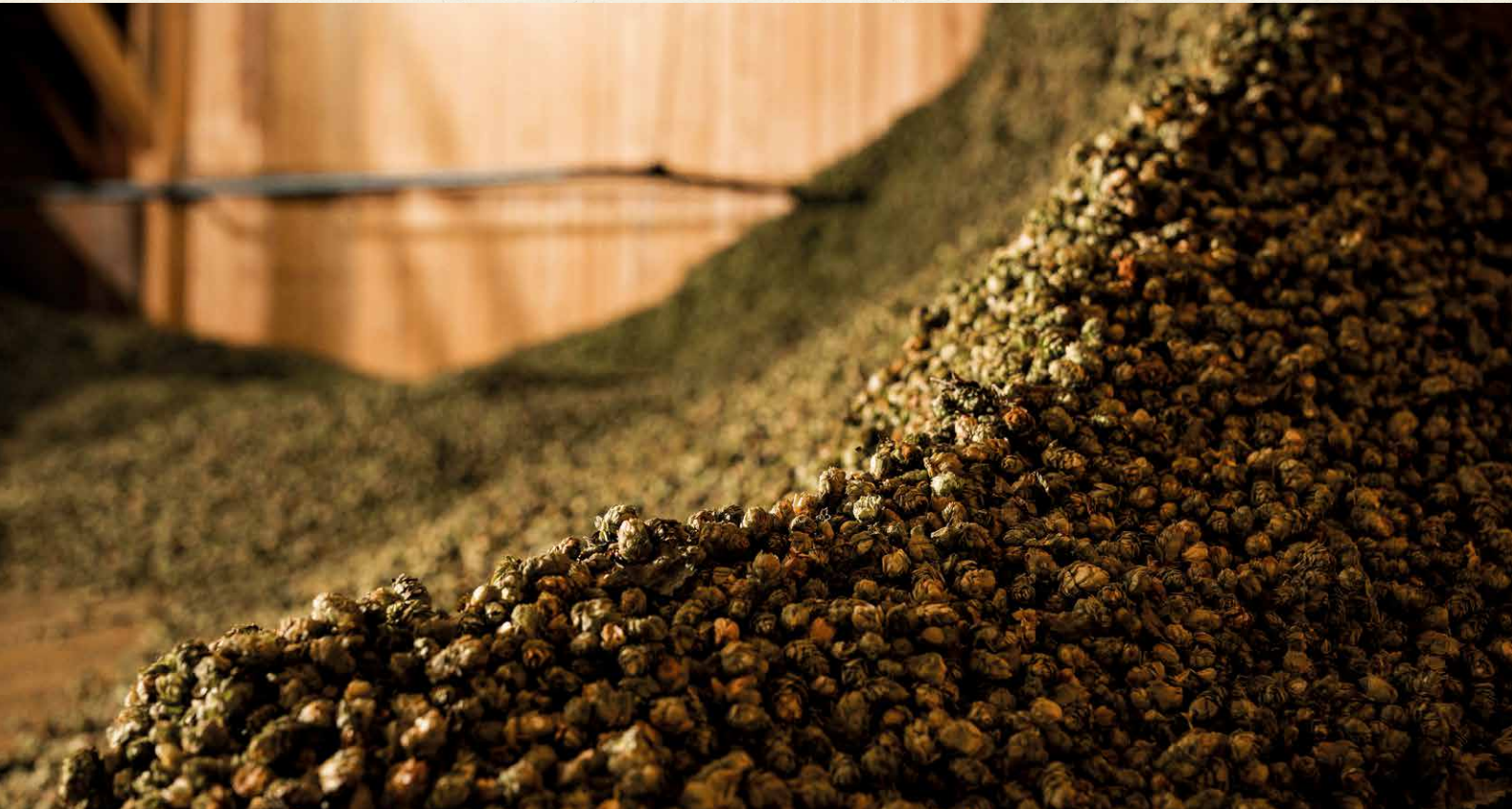
Variety	Water (H ₂ O) in %		Leaf/stem content in %		Hop waste in %		Umbel leaf content in %		“Bonus-Malus 2003”	
	Hallertau	IGN	Hallertau	IGN	Hallertau	IGN	Hallertau	IGN	Hallertau	IGN
ANA	9.6	8.5	1.2	2.1	0.3	0.6	15.3	22.7	0.54	0.13
CAL	10.2	10.8	0.9	0.6	0.2	0.3	15.4	17.6	1.11	2.62
HAL	10.3	9.9	1.4	1.2	0.2	0.2	14.9	16.5	0.68	1.34
HBC	9.6	10.3	0.8	1.4	0.2	0.2	15.5	16.0	3.08	1.76
HEB	10.1	10.3	1.3	1.4	0.3	0.2	23.8	23.1	0.18	0.35
HKS	9.5	9.5	0.8	0.9	0.3	0.3	17.5	18.5	0.82	0.31
HMG	9.8	10.1	1.2	1.2	0.2	0.2	18.1	15.7	1.17	1.57
HMN	9.7	9.9	1.5	2.3	0.3	0.4	15.5	16.7	0.83	-1.29
HTR	10.0	9.7	1.0	0.9	0.3	0.3	23.0	24.3	1.32	1.85
HTU	9.3	8.9	0.7	0.6	0.3	0.3	19.0	20.1	1.16	0.09
MBA	9.4	9.5	0.8	0.6	0.3	0.2	16.4	15.7	2.62	3.17
PER	9.8	9.6	1.2	1.0	0.3	0.3	25.9	25.7	0.24	0.67
SIR	9.9	9.5	1.2	1.3	0.2	0.2	14.4	17.1	1.35	1.01
SSE	9.9	10.1	1.8	1.8	0.3	0.3	26.1	26.8	-1.21	-1.31

Source: Hopfenring e.V., IGN-Agrolab, 2024

- Water content: optimum value up to 10.5%
- Leaf/stem content: optimum value up to 1.1 %
- Umbel leaves: Standard value up to 26.0 %

All hops have been tested and evaluated in a neutral laboratory (in accordance with the specifications of the Neutral Quality Assessment Working Group) since 1995. The IGN's long-standing efforts have shown time and again that environmentally friendly and resource-saving production has an impact on quality results. For profitable quality hop production, a ring of

expert advice organized by the Hop Ring with practical visits to the farms is essential. The “Bonus Malus 2003” shows the balance of the individual quality criteria, which is an important component for all IGN hop suppliers, especially for the aroma varieties, in order to guarantee good quality.

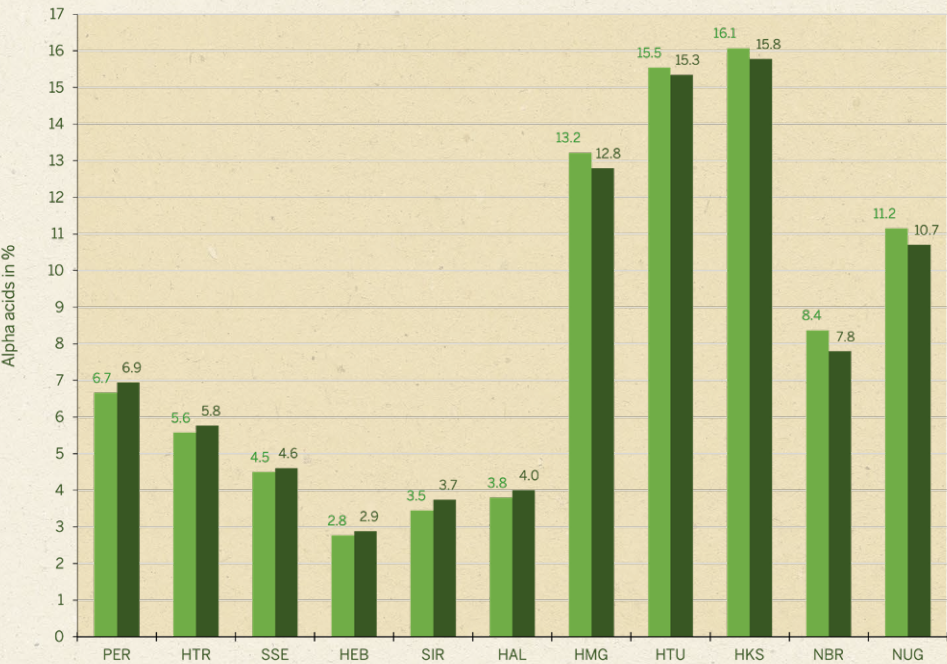


Mean Alpha Acid Values for the Hallertau and IGN from 2015 – 2024

	2015		2016		2017		2018		2019		2020	
Variety	Hallertau	IGN	Hallertau	IGN	Hallertau	IGN	Hallertau	IGN	Hallertau	IGN	Hallertau	IGN
PER	4.5	5.1	8.2	8.3	8.2	8.3	5.5	6.0	6.7	7.2	7.4	7.4
HTR	4.7	5.2	6.4	6.5	6.4	6.5	5.0	5.2	5.4	5.6	6.3	6.4
HSSE	3.2	3.5	5.2	5.3	5.2	5.3	3.5	3.6	4.4	4.4	5.2	5.0
HEB	2.3	2.7	2.8	3.0	2.8	3.0	2.0	2.2	2.5	2.7	3.3	3.2
SIR	2.5	2.6	4.0	4.2	4.0	4.2	3.3	3.4	3.3	3.6	4.2	4.4
HAL	2.7	2.9	4.3	4.7	4.3	4.7	3.6	4.0	4.1	4.4	4.5	4.7
HMG	12.6	11.8	14.3	13.9	14.3	13.9	11.6	10.9	12.3	12.1	14.2	13.4
HTU	12.9	12.1	17.6	16.9	17.6	16.9	13.6	13.6	16.1	16.4	15.5	15.1
HKS	15.1	14.6	17.3	17.0	17.3	17.0	14.6	14.9	16.2	16.0	16.6	15.6
NBR	5.4	5.6	10.5	10.5	10.5	10.5	7.4	7.4	8.1	8.0	9.1	9.4
NUG	9.2	9.3	12.9	10.6	12.9	10.6	10.1	9.7	10.6	10.5	12.0	11.0
	2021		2022		2023		2024		Ø 5 Years		Ø 10 Years	
Variety	Hallertau	IGN	Hallertau	IGN	Hallertau	IGN	Hallertau	IGN	Hallertau	IGN	Hallertau	IGN
PER	9.0	9.1	4.9	4.9	6.0	6.2	6.2	6.9	6.7	6.9	6.7	6.9
HTR	6.1	6.2	5.2	5.3	4.9	5.1	5.3	5.7	5.6	5.7	5.6	5.8
SSE	6.4	6.5	3.3	3.5	4.7	4.8	3.9	4.1	4.7	4.8	4.5	4.6
HEB	4.6	4.4	1.9	2.0	3.0	3.0	2.5	2.6	3.1	3.0	2.8	2.9
SIR	4.3	4.7	2.6	2.6	3.1	3.2	3.2	3.3	3.5	3.6	3.5	3.7
HAL	5.2	5.3	3.1	3.2	2.9	3.3	3.3	3.5	3.8	4.0	3.8	4.0
HMG	16.0	15.8	12.2	11.7	11.8	11.6	12.9	12.9	13.4	13.1	13.2	12.8
HTU	17.8	17.3	14.6	14.7	13.8	14.5	15.9	15.9	15.5	15.5	15.5	15.3
HKS	18.5	18.2	15.4	15.2	13.9	13.7	15.8	15.6	16.0	15.7	16.1	15.8
NBR	10.5	10.6	6.4	6.5	7.5	7.0	8.3	7.8	8.4	8.3	8.4	7.8
NUG	11.1	10.9	9.9	10.7	11.9	12.3	10.9	11.4	11.2	11.3	11.2	10.7

Source: Verband Deutscher Hopfenpflanzer e.V., IGN-Agrolab, 2024

10-year average alpha acid values Hallertau & IGN

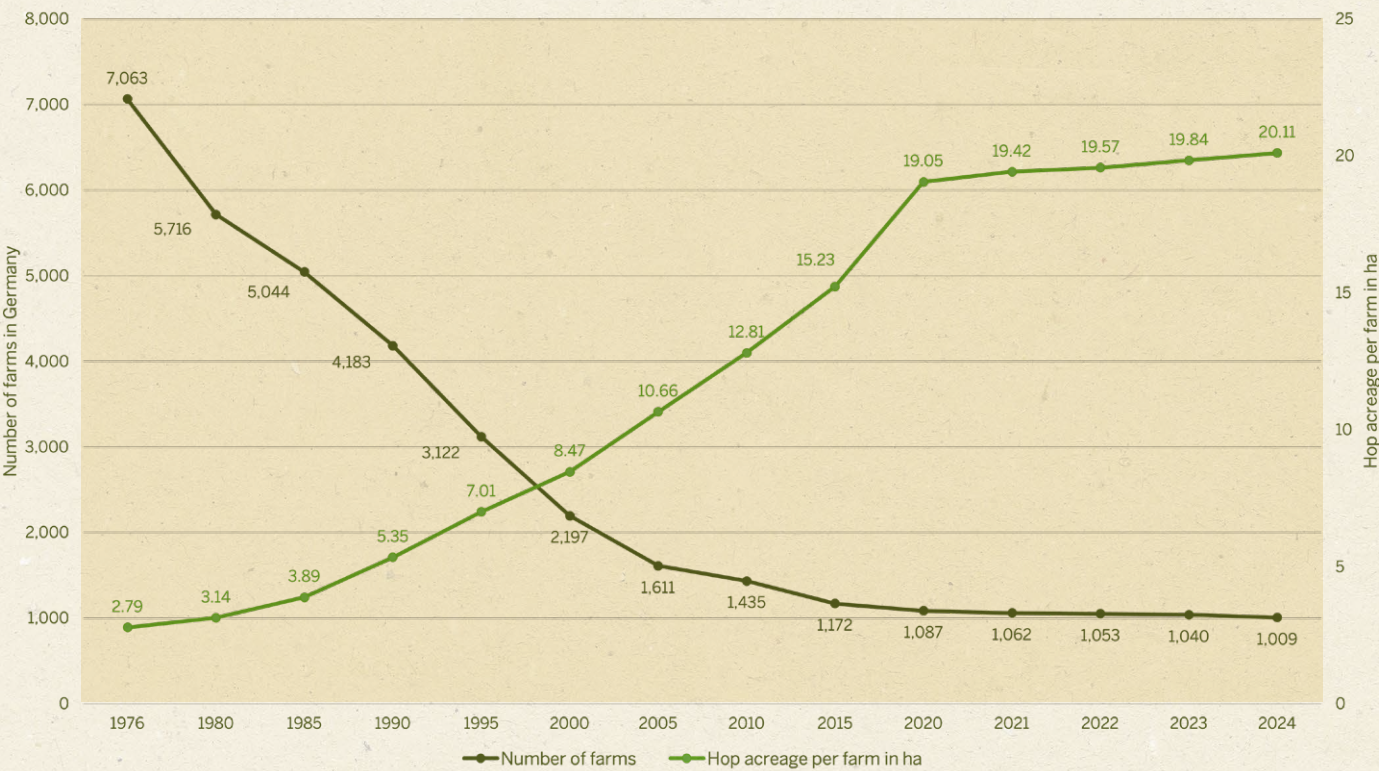


Hallertau Ø 10 years
IGN Ø 10 years

Source:
Verband Deutscher Hopfenpflanzer e.V.,
IGN-Agrolab, 2024

Hop Farms in Germany

Development of the number of farms and average hop acreage per farm



Source: Verband Deutscher Hopfenpflanzler e.V., 2024

Hallertau farm size statistics for the 2024 harvest year

Farm size	Farms		Areas	
	Number of farms	Percentage	Area in ha	Percentage
0 ha – 4.99 ha	83	10.2 %	271.41	1.6 %
5 ha – 9.99 ha	159	19.5 %	1,189.79	7.0 %
10 ha – 19.99 ha	219	26.9 %	3,232.66	19.0 %
20 ha – 29.99 ha	179	22.0 %	4,365.99	25.7 %
30 ha – 39.99 ha	90	11.1 %	3,072.06	18.1 %
40 ha – 49.99 ha	39	4.8 %	1,738.76	10.2 %
over 50 ha	45	5.5 %	3,133.18	18.4 %
Total:	814		17,003.85	

Source: Verband Deutscher Hopfenpflanzler e.V., 2024

Farm size statistics for IGN member farms for the 2024 harvest year

Number of IGN members	103
of which active hop growers	77
of which QM companies	53
Total area of IGN farms in hectares (ha)	2,239.00
Ø area of IGN farms in hectares (ha)	29.070

Source: Verband Deutscher Hopfenpflanzler e.V., 2024



Changes in the Area under Cultivation in Germany

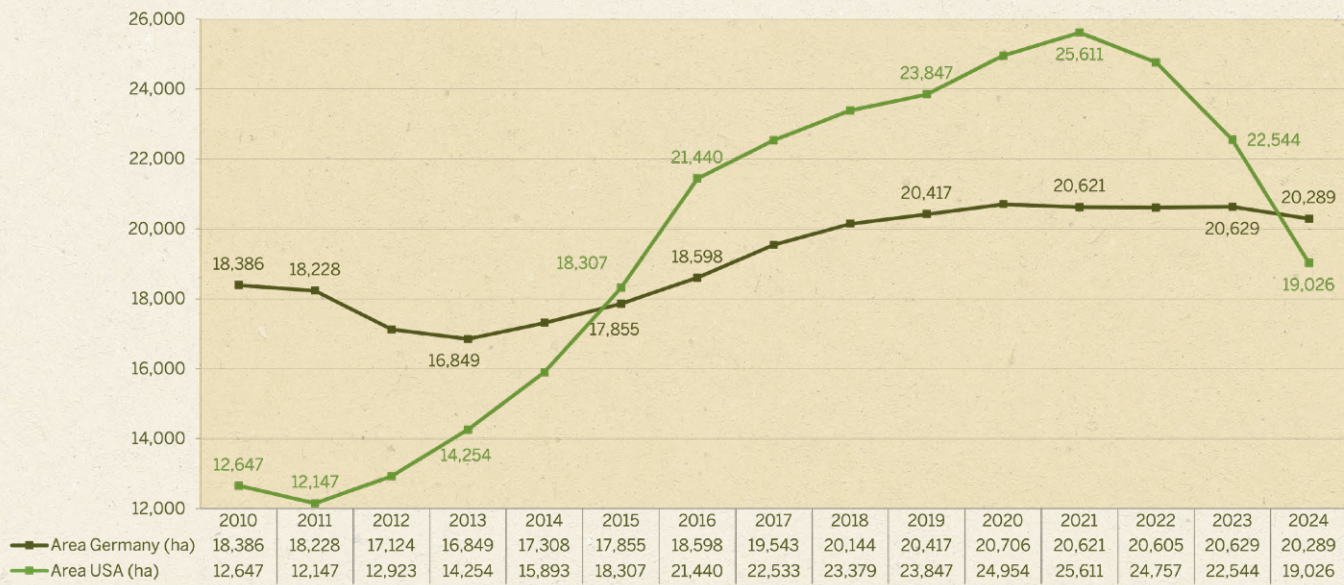
Variety	2023			2024			Difference 2023/2024	
	Young area ha	Old area ha	Total area ha	Young area ha	Old area ha	Total area ha	Variety	Total area ha
Amarillo	0.00	90.35	90.35	0.00	74.94	74.94	Amarillo	-15.41
Ariana	0.58	53.75	54.33	0.87	55.09	55.96	Ariana	1.63
Brewers Gold	0.00	14.19	14.19	0.00	12.24	12.24	Brewers Gold	-1.95
Callista	0.96	54.89	55.85	0.11	53.87	53.98	Callista	-1.87
Cascade	4.18	60.83	65.01	1.61	62.02	63.63	Cascade	-1.38
Diamant	1.62	18.09	19.71	0.96	19.71	20.67	Diamant	0.96
Hallertauer Blanc	1.03	111.06	112.09	0.52	90.35	90.87	Hallertauer Blanc	-21.22
Hallertauer Gold	0.00	6.81	6.81	0.43	6.81	7.24	Hallertauer Gold	0.43
Hallertauer Magnum	23.23	1,747.05	1,770.28	11.90	1,607.92	1,619.82	Hallertauer Magnum	-150.46
Hallertauer Merkur	0.21	5.47	5.68	0.00	3.00	3.00	Hallertauer Merkur	-2.68
Hallertauer Mittelfrüher	2.90	611.96	614.86	1.32	599.34	600.66	Hallertauer Mittelfrüher	-14.20
Hallertauer Taurus	0.00	147.40	147.40	0.50	115.84	116.34	Hallertauer Taurus	-31.06
Hallertauer Tradition	32.21	2,669.92	2,702.13	1.58	2,459.47	2,461.05	Hallertauer Tradition	-241.08
Herkules	338.74	7,158.82	7,497.56	427.43	7,489.52	7,916.95	Herkules	419.39
Hersbrucker Pure	0.00	1.71	1.71	8.15	1.71	9.86	Hersbrucker Pure	8.15
Hersbrucker Spät	3.94	780.94	784.88	1.11	773.89	775.00	Hersbrucker Spät	-9.88
Huell Melon	0.72	47.07	47.79	1.36	47.53	48.89	Huell Melon	1.10
Mandarina Bavaria	1.33	186.07	187.40	1.38	159.00	160.38	Mandarina Bavaria	-27.02
Northern Brewer	0.00	192.24	192.24	1.20	173.76	174.96	Northern Brewer	-17.28
Nugget	0.00	101.03	101.03	1.94	89.53	91.47	Nugget	-9.56
Opal	1.47	135.53	137.00	0.00	122.21	122.21	Opal	-14.79
Perle	35.14	3,200.35	3,235.49	1.63	2,859.03	2,860.66	Perle	-374.83
Polaris	60.70	500.22	560.92	28.01	560.30	588.31	Polaris	27.39
Record	0.00	1.00	1.00	0.00	1.00	1.00	Record	0.00
Saazer	0.00	155.75	155.75	0.00	153.56	153.56	Saazer	-2.19
Saphir	0.76	328.89	329.65	0.00	292.09	292.09	Saphir	-37.56
Smaragd	0.00	57.33	57.33	0.02	56.73	56.75	Smaragd	-0.58
Other	17.48	227.56	245.04	26.40	187.49	213.89	Other	-31.15
Spalter	0.00	105.90	105.90	0.00	100.30	100.30	Spalter	-5.60
Spalter Select	10.05	517.90	527.95	0.00	498.94	498.94	Spalter Select	-29.01
Tango	24.22	37.90	62.12	25.60	62.90	88.50	Tango	26.38
Tettnanger	3.68	642.04	645.72	0.71	631.63	632.34	Tettnanger	-13.38
Titan	79.08	14.57	93.65	220.63	101.43	322.06	Titan	228.41
Total			20,628.82			20,288.52	Total	-340.30
Farms			1,040			1,009	Farms	-31
Area per farm			19.84			20.11	Area per farm	0.27

Source: Verband Deutscher Hopfenpflanzer e.V., 2024



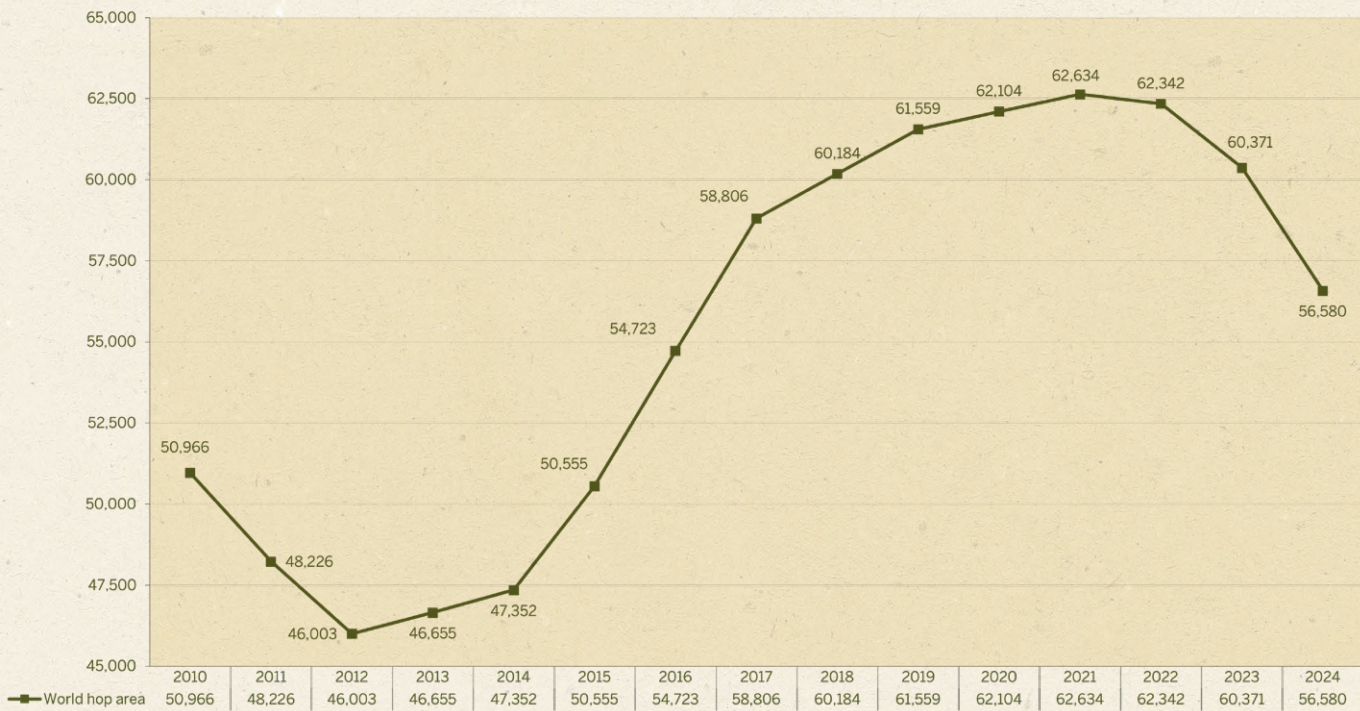
World hop areas & world hop production

Area development Germany & USA in hectares (ha)



Source: IHGC-Economic Commission Statistical Report, July 2024

World hop area in hectares (ha)



Source: IHGC-Economic Commission Statistical Report, July 2024



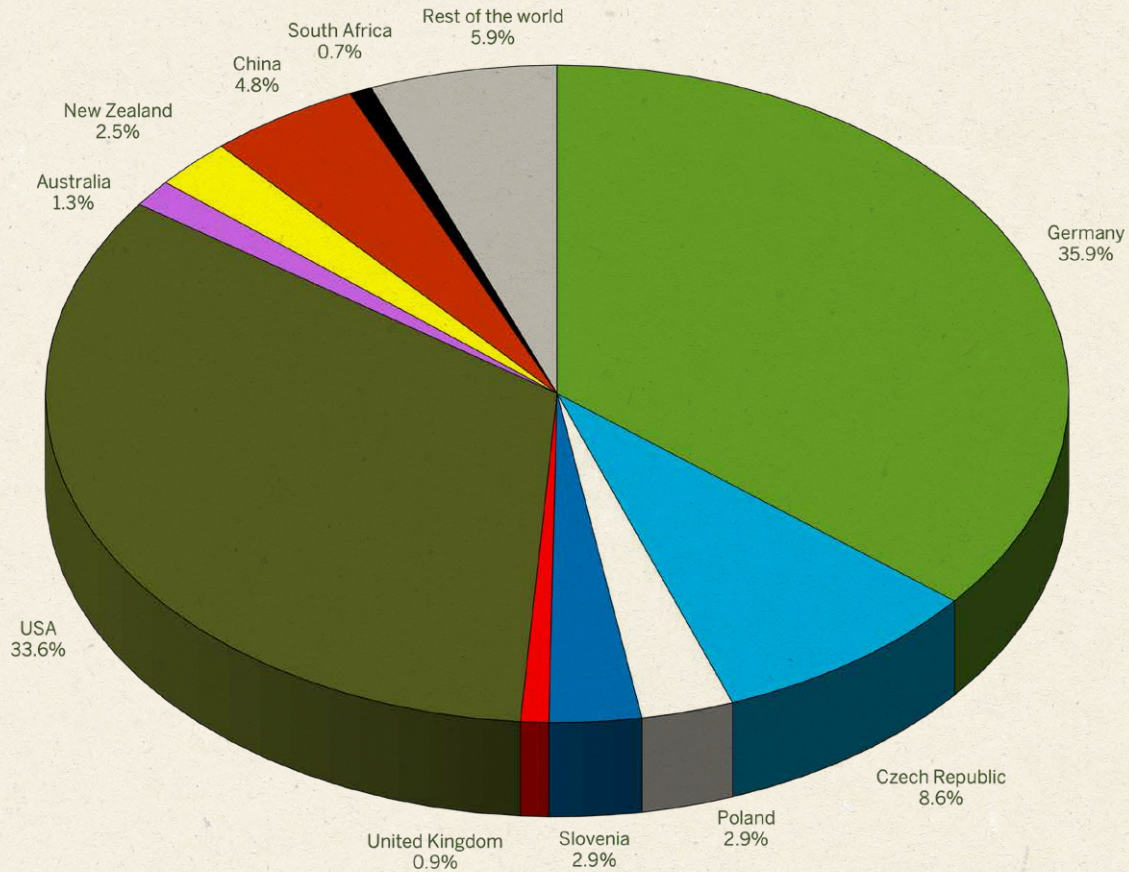
Comparison of world hop area & world hop production 2023 - 2024

Country	Hop acreage in hectares (ha)		Difference 23/24	Hop production in tons (t)		Difference 23/24
	2023	2024		2023	2024	
Germany	20,629	20,289	-340	41,234	44,908	3,674
Czech Republic	4,860	4,852	-8	6,997	6,300	-697
Poland	1,728	1,652	-76	3,505	2,974	-531
Slovenia	1,675	1,644	-31	2,735	2,250	-485
United Kingdom	554	502	-52	776	699	-77
Spain	573	590	17	843	983	140
France	753	720	-33	917	946	29
Italy	20	20	0	20	25	5
Ukraine	150	150	0	158	158	0
Romania	275	275	0	225	225	0
Austria	266	270	4	380	405	25
Russia	235	400	165	600	335	-265
Belgium	185	177	-8	309	292	-17
Slovakia	38	38	0	23	46	23
Bulgaria	33	42	9	60	62	2
Serbia	11	12	1	22	24	2
USA	22,544	19,026	-3,518	47,601	40,416	-7,185
Canada	350	350	0	525	525	0
Brazil	53	53	0	180	180	0
Argentina	178	178	0	254	360	106
Australia	951	758	-193	1,965	1,508	-457
New Zealand	1,400	1,400	0	2,030	2,030	0
China	2,424	2,700	276	6,500	6,500	0
Japan	78	78	0	123	160	37
South Africa	408	404	-4	740	682	-58
Total	60,371	56,580	-3,791	118,722	112,993	-5,729

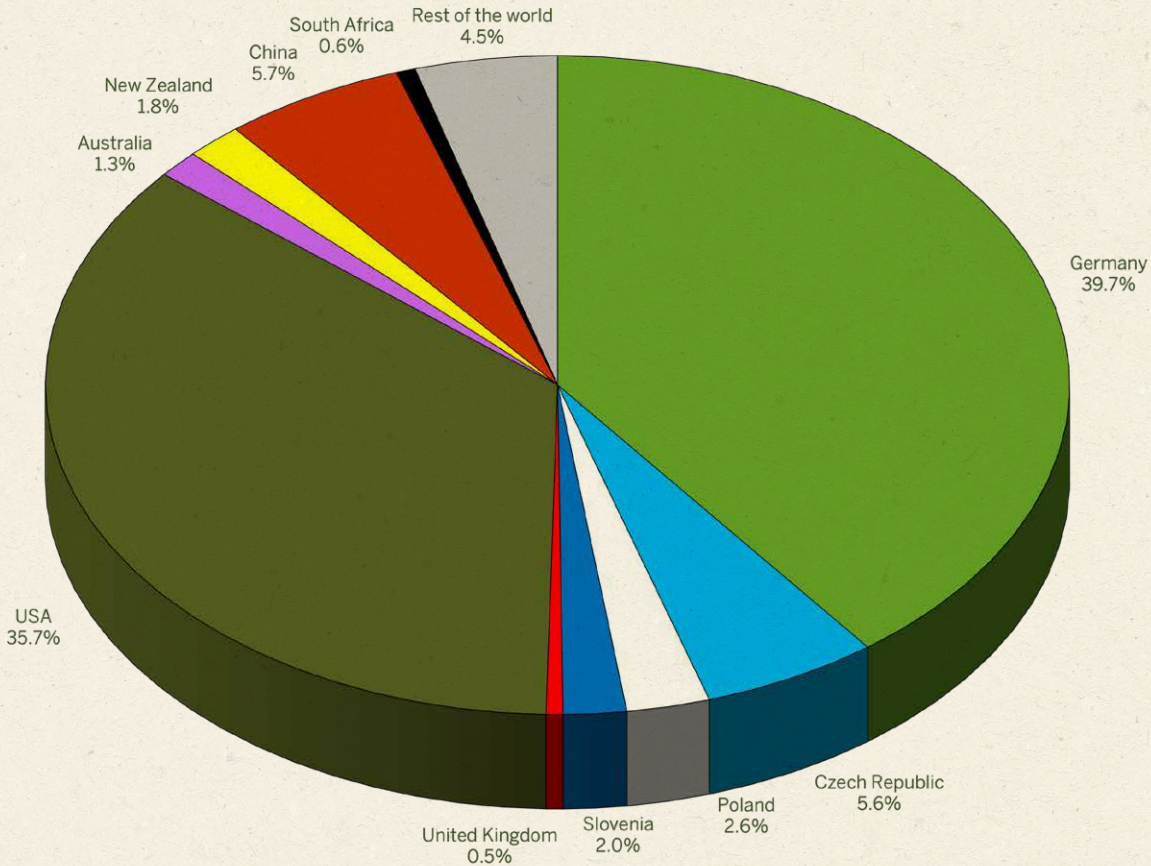
Source: IHGC-Economic Commission Statistical Report, July 2024



World hop acreage in hectares (ha) 2024



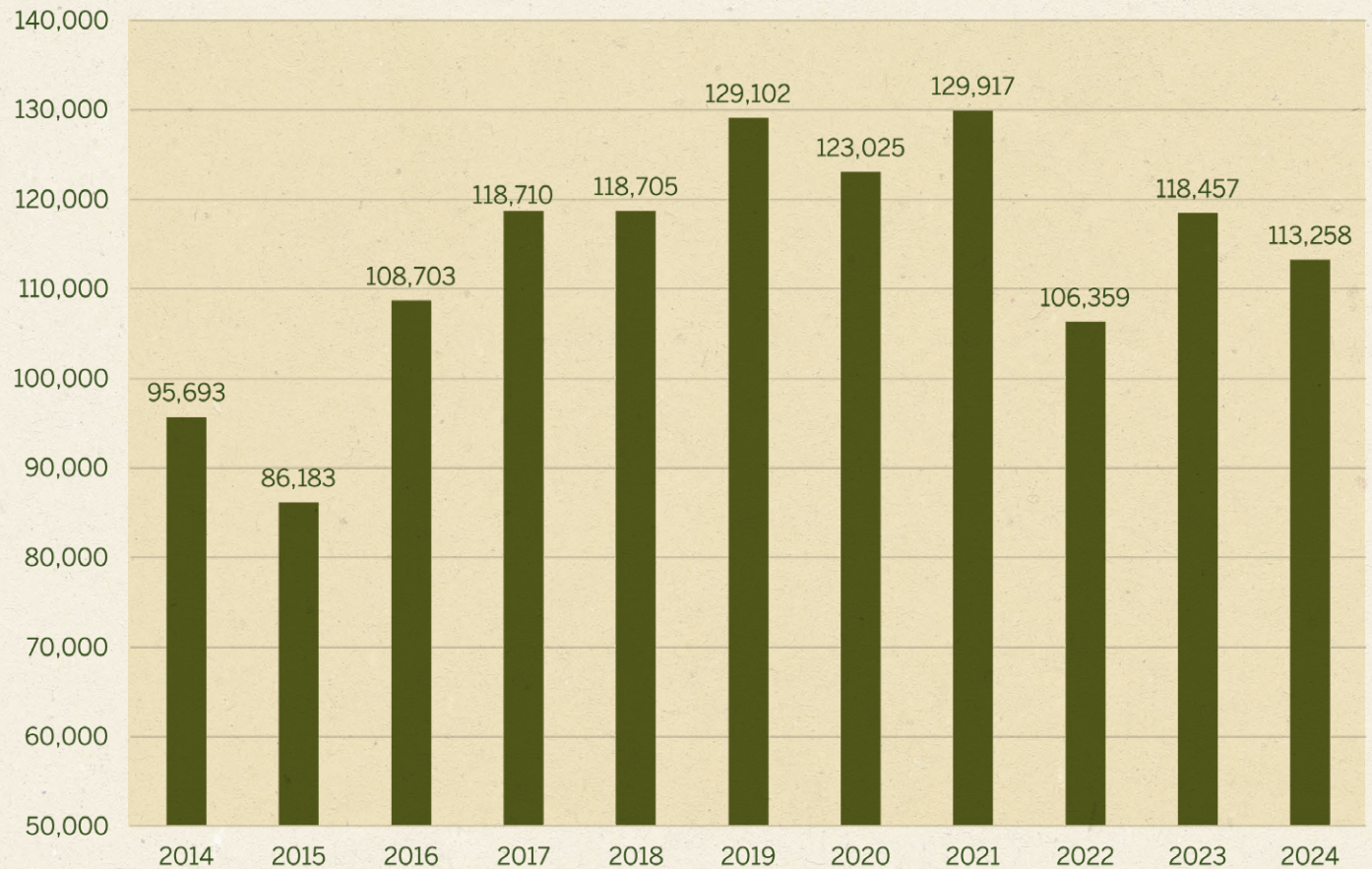
World hop production in tons (t) 2024



The rest of the world refers to Spain, France, Ukraine, Romania, Austria, Russia, Belgium, Slovakia, Bulgaria, Serbia, Canada, Argentina, Japan
Source: IHGC- Economic Commission Statistical Report, July 2024

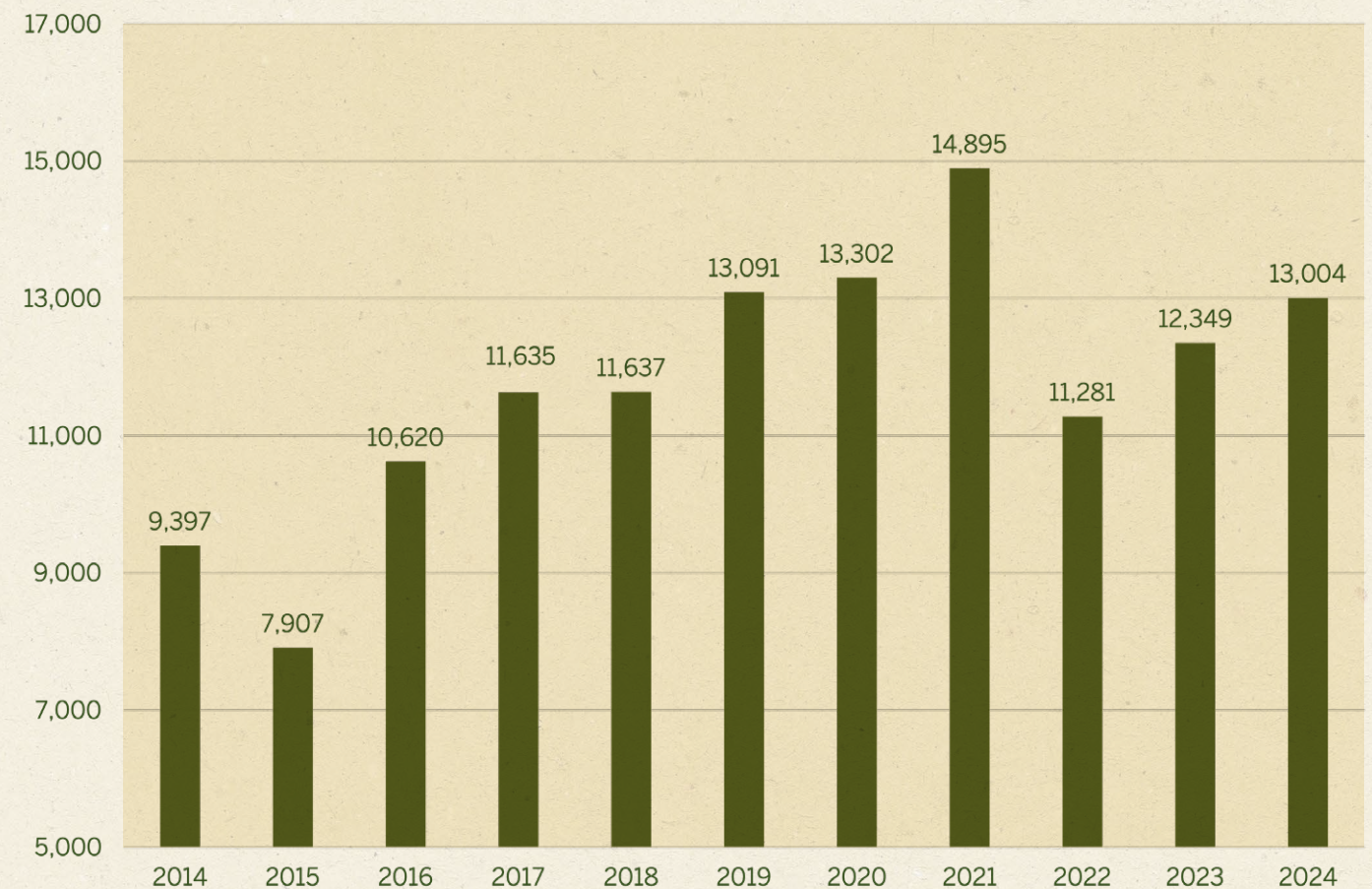
Development of the global hop market

Hop harvest volumes in tons (t)



Source: IHGC-Economic Commission Statistical Report, July 2024

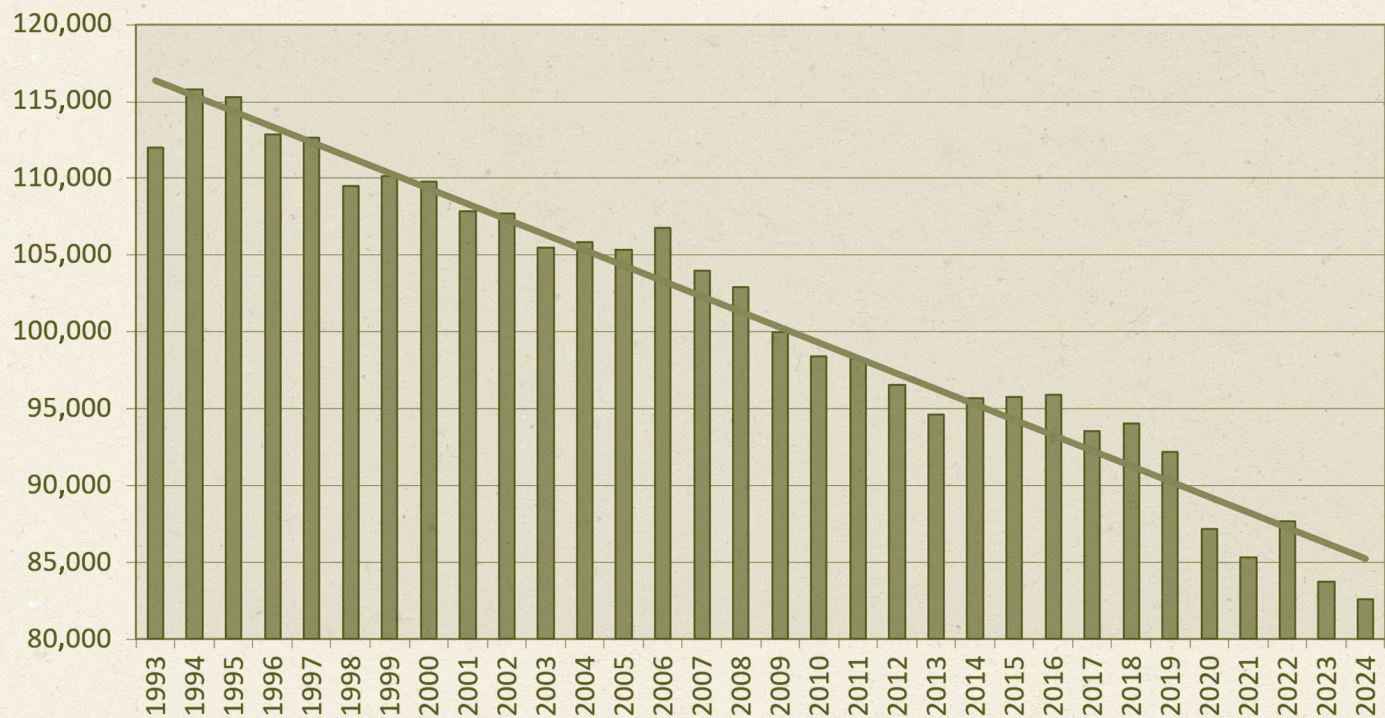
Hop alpha acid production in tons (t)



Source: IHGC- Economic Commission Statistical Report, July 2024

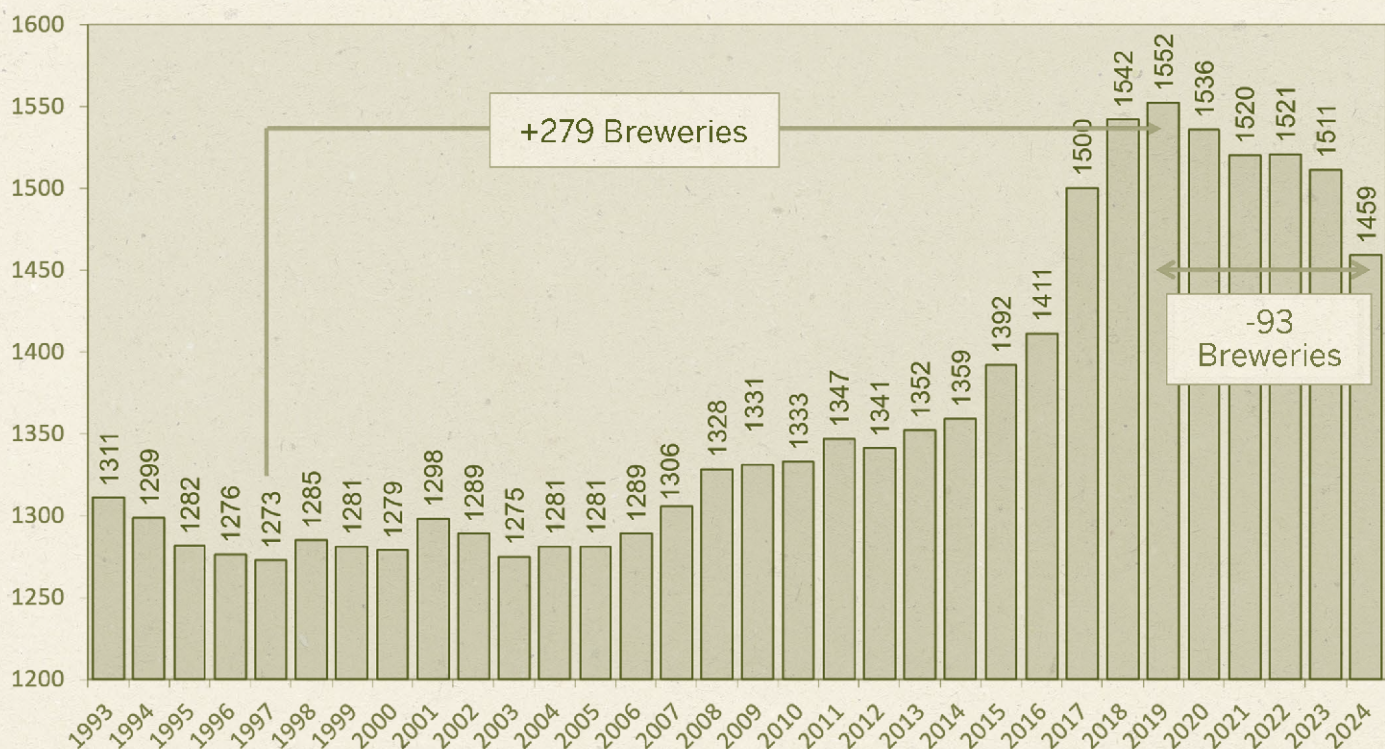
Development of the German beer market

Development of total German beer sales in thl since the new regulation of beer taxation



Source: Bayerischer Brauerbund e. V., Dr. Lothar Ebbertz

Development of the number of breweries in Germany



Source: Bayerischer Brauerbund e. V., Dr. Lothar Ebbertz





*We would like to thank all our business partners
for the good and trusting cooperation!*

„Hopfen und Malz – Gott erhalt‘s“

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