## Brewers Association 2019 Hop Industry Update

2018 Hop Survey Results Inventory and National Hop Report Federal Affairs
"There is at least one point in the history of any company when you have to change dramatically to rise to the next level of performance. Miss that moment - and you start to decline"

- Andy Grove, Intel


## Objectives

- Brewing \& Hop Industry Updates
- Annual BA Hop Usage Survey Results
- USDA-NASS Hop Stocks Report Analysis
- Federal Affairs Update
- Grants \& Research Support
- Public Breeding Sensory Update


## 2018 Brewing Industry Update

- Total U.S. beer sales down ${ }^{\text {1.0 }}$
- Imports grew, but U.S. domestic volume was off ~1.5-2\%
- Craft volume growth rate remained positive at $\sim 4 \%$, landing at around 26 MM barrels
- Total number of U.S. breweries tops 7,000 for first time ever (6,150 one year ago)


## 2018 Brewing Industry Update

US Craft Beer Volume Change YOY


## 2018 Brewing Industry Update

US Craft Beer Production Volume (MM US BBL)


## 2018 Hop Industry Update

- Ttl U.S. acres increased from 56,492 to 57,468 (+1.7\%), an all-time high PACNW acres increased by 1,046 (1.9\%)
Non-PACNW acres decreased by 70 from 2504 to 2433 (1.7\%)
- The proportion of aroma acreage actually decreased in 2018
- Ttl U.S. production increased from 107.5 MM to 108.4 MM pounds ( $\sim 1 \%$ vs CY2017: 20\%). Non-PACNW production decreased 20\%
- PACNW yield down slightly from 1959 to 1943 pounds per acre (~1\%) Non-PACNW yield decreased 750 to 617 (18\%)
- Idaho acreage surpassed Oregon as the number 2 U.S. hop acreage and production state
- Citra acreage surpassed Cascade $(6,400$ vs 6,200$)$


## 2018 Hop Industry Update



Chart Courtesy HGA Stat Pack © 2018

## 2018 Hop Industry Update


U.S. Barley vs Hop Crop Farm Gate Values, 1975-2018 (\$\$MM 2017)


## 2018 Brewers Association Hop Survey Results

- Annual Survey in July \& August
- 11 Years of Data collected 2008-2018
- Look back to production years 2007-2017
-2018 Survey $=2017$ Beer Production ~ $=2016$ Crop Yr
- Only includes craft volume as defined
- A SURVEY, so the results shown are NOT totals: "Actual Mileage May Vary"


## 2018 Hop Survey Results Summary

- Number of Respondents at an all-time high (250)
- Hop Usage Rate: increased +2.5\% over '17 rate from 1.54 to 1.58 PPB
- Top Ten varieties shifted significantly in 2017 beer production year
- Licensed varieties continue to become more important
- Variety Usage increased to an all-time high of 154 varieties


## 2018 Hop Survey Results Summary (Con.)

- U.S. craft brewers remain loyal to U.S. varieties at $85 \%$ of total pounds
- Shortfalls measured In 2017 in different varieties from 2016
- Galaxy repeats as highest Impact imported variety
- Hop Cost Per Barrel Continues to Increase Sharply
- Proportion of US 2017 crop consumed by craft decreased
- Contracting rates have declined to pre-2007 shortage levels: $63 \%$ overall, and $45 \%$ among brewers < 2,500 bbls


## 2018 Hop Survey Results



## 2018 Hop Survey Results



## 2018 Hop Survey Results



## 2018 Hop Survey Results

| 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Survey Yr |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | Production Yr |
| Cascade | Cascade | Cascade | Cascade | Cascade | Cascade | Cascade |  |
| Centennial | Centennial | Centennial | Centennial | Centennial | Centennial | Centennial |  |
| Chinook | Chinook | Simcoe | Chinook | Chinook | Chinook | Citra |  |
| Willamette | CTZ | Chinook | Simcoe | Simcoe | Simcoe | Mosaic |  |
| Simcoe | Simcoe | CTZ | Citra | Citra | Crystal | Simcoe |  |
| CTZ | Amarillo | Amarillo | Hall Mitt (Ger) | Amarillo | Citra | Chinook |  |
| US Golding | Crystal | Crystal | Amarillo | Mosaic | Nugget | Amarillo |  |
| Crystal | Willamette | Willamette | Crystal | Crystal | Amarillo | CTZ |  |
| Amarillo | Saaz (CZ) | Citra | Magnum (Ger) | Hall Mitt (Ger) | Mosaic | Crystal |  |
| Ahtanum | US Golding | Saaz (CZ) | CTZ | CTZ | Magnum (Ger) | El Dorado |  |

## 2018 Hop Survey Results



## 2018 Hop Survey Results



## 2018 Hop Survey Results



## 2018 Hop Survey Results



## 2018 Hop Survey Results



## 2018 Hop Survey Results

| \% TTL US Crop Consumed by Craft (Crop Year) |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 45.0\% |  |  |  |  |  |  |  |  |
| 40.0\% | 39.2\% |  |  |  |  |  |  |  |
|  | 36.3\% |  |  |  |  |  |  |  |
| $35.0 \%$ 30.7\% 32.4\% |  |  |  |  |  |  |  |  |
| $30.0 \%$ 26.4\% |  |  |  |  |  |  |  |  |
| 25.0\% $\longrightarrow$ |  |  |  |  |  |  |  |  |
| 20.0\% | 16.3\% | 19.5\% |  |  |  |  |  |  |
| 15.0\% |  |  |  |  |  |  |  |  |
| 10.0\% |  |  |  |  |  |  |  |  |
| 5.0\% |  |  |  |  |  |  |  |  |
| 0.0\% |  |  |  |  |  |  |  |  |
|  | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |

## 2018 Hop Survey Results



## 2018 Hop Stocks Analysis

| +2350 +1460 | Craft and Medium User Growth in 2016 (assume all aroma, 7\% craft volume growth) <br> Net Export Growth of +2.5 MM pounds at 1713 pounds per acre (assume mix of aroma and alpha exports, no yield change) |
| :---: | :---: |
| -4054 | Surplus Acres Carried Into 2017 (assume all aroma) |
| -244 | Total Net New Acres Needed |
| $\sim 5000 \text { ?? }$ | Potential Planned New Acres (assumes 1500 ID, 1500 OR, 2000 WA) |
| 5244 | Surplus 2017 Acres (alpha AND aroma) |

## 2018 Hop Stocks Analysis



## 2018 Hop Stocks Analysis



Source: USDA-NASS 2018 Hop Stocks Report

## 2018 Hop Stocks Analysis



Data Source: USDA-NASS 2018 Hop Stocks Report

## 2018 Hop Stocks Analysis

September Dealer \& Grower Stocks Less Brewer Stocks As A Proportion of Prior Year Crop


Data Source: USDA-NASS 2018 Hop Stocks Report

## Federal Affairs Policy Efforts



## Federal Affairs Outreach



## BARTH-HAASGROUP

## Federal Affairs Outreach



## Federal Affairs Outreach



## International Ag Policy

## COMITÉ INTERNATIONAL DE LA CULTURE DU HOUBLON

INTERNATIONAL HOP GROWERS' CONVENTION - INTERNATIONALES HOPFENBAUBÜRO


## Resolution

Nuremberg, 12 November 2018
The International Hop Growers' Convention (IHGC) represents 34 national hop producing associations and hop merchants' companies from 20 countries worldwide. Twelve of these members are located within the EU and produced over 50\% of the world hop crop in 2018. The IHGC covers various aspects of the hop industry, but one of the main objectives is to secure plant protection products focused on Integrated Pest Management (IPM), to keep economical, safety and environmental issues in balance while providing the customers in the brewing industry with a safc and high quality ingredient.

## Grants and Research Funding Update

| Years | $\mathbf{2 0 1 5 - 2 0 1 8}$ |
| :---: | :---: |
| Competitive Research Grants | $\$ 778,144$ |
| HGA Sponsorships and Projects | $\mathbf{\$ 2 6 , 5 0 0}$ |
| HRC Dues \& Growout Funds | $\mathbf{\$ 1 5 4 , 2 0 5}$ |
| USDA Breeding Program | $\$ 588,637$ |
| Total Hop Industry Support | $\mathbf{\$ 1 , 5 4 7 , 4 8 6}$ |

## Public Breeding Sensory Update




