

2019 Crop Report: HPA record a 13% increase in production volume.

After more than a month of cutting, picking, drying and pressing, the numbers are in. HPA harvested 589 hectares across our three farms in 2019, which resulted in a production volume of 1,482 metric tonnes. This was a 46 hectare (8.5%), 170 metric tonne (13%) increase year-on-year across six proprietary varieties - Ella™, Enigma™, Galaxy™, HPA-016, Topaz™ and Vic Secret™ - as well as Cascade and Super Pride. Harvest commenced at the start of March and was completed by mid-April.

All three farms endured major weather events during the growing season. Our Victorian farms – Rostrevor Hop Gardens and Buffalo Valley - experienced extended periods of heatwave conditions through which our irrigation systems performed well, preventing impact on yield. Low rainfall and record overnight temperatures in March led to a slight delay in crop maturation compared to previous years. There is now 175 hectares of land under trellis at Buffalo Valley, 50 hectares of which will be harvested for the first time in 2020.

Tasmania experienced widespread bushfires throughout January when the majority of the crop at Bushy Park Estates was still in burr. Although these conditions did not affect yield, they are indicative of the hot and dry conditions that characterised this season. Bushy Park Estates went without substantial rainfall from the end of December until the end of February, with daytime temperatures climbing above average.

This year's production volume allowed us to meet contractual obligations across all varieties. We experienced pleasing year-on-year increases in yield across almost all varieties, with a dramatic increase in Enigma™ attributed to an increase in the average maturity of recent plantings.

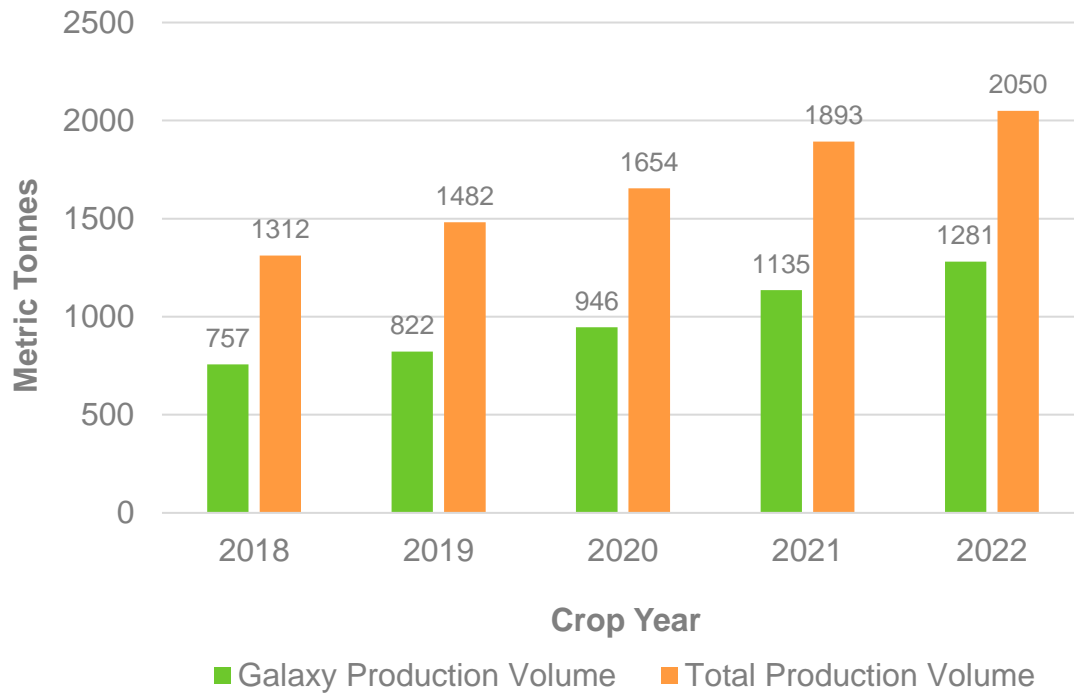
Harvest production volumes by variety

Variety	Yield (Metric Tonnes)	Year-on-Year Variation
Galaxy™	822	8.6%
Vic Secret™	225	10.8%
Ella™	133	6.4%
Super Pride	90	7.1%
Topaz™	65	-5.8%
Enigma™	90	125.0%
Cascade	57	67.9%
Total	1,482	13.0%

Note: measurements calculated on raw hop quantities.

Despite an increase in hectares planted and production volume, the highly contracted position of our 2019 crop means that a limited amount of hops will be available in the short-term. HPA are continuing to move forward with our Buffalo Valley expansion to improve supply surety and increase varietal diversity. The \$35 million project will include 300 additional hectares and a new harvest complex comprising 12 kiln floors and 2 Daunhauer pickers at completion. It is anticipated to increase our total production by 50% over a period of six years. This is a continuation of HPA's long-term strategy to grow alongside our customers and support their successes.

Forecast production volume: Galaxy™ vs Total



Tim Lord

Managing Director

May 2019



2019 HARVEST SNAPSHOT

PRODUCTION

1,482,000 kg

(TOTAL YIELD INCLUDING CONTRACT GROWERS)

ROSTREVOR HOP GARDENS

BUSHY PARK ESTATES

329ha	TOTAL HECTARES OF HOPS	260ha
6,902	TOTAL BALES PRESSED	5,704
1,604,115	TOTAL STRINGS CUT	1,516,695

2,934

TOTAL SAMPLES
TAKEN FROM THE FIELDS
TO THE LABS



25,148

TOTAL MEASUREMENTS
TAKEN FROM
SAMPLES

- Gland fill
- Moisture
- Dry matter
- Oil content
- Cone weight

149,900

TOTAL CARTONS
PACKED



20,285km

ESTIMATED TOTAL
LENGTH OF STRING USED



493hrs

ESTIMATED RUNTIME
PER TRACTOR



PEOPLE

20

PERMANENT STAFF

26

130

CASUAL STAFF

129

150

TOTAL HARVEST STAFF

155



MALE / FEMALE STAFF RATIO



MALE / FEMALE TRACTOR DRIVER RATIO



MALE / FEMALE STAFF RATIO



MALE / FEMALE TRACTOR DRIVER RATIO

18

COUNTRIES WHERE
HARVEST STAFF
ARE FROM

77 Australia	5 UK	2 Ireland	1 Spain
21 France	4 Taiwan	1 Bhutan	4 South Korea
10 Italy	3 Belgium	1 China	1 USA
9 Germany	3 Japan	1 Luxembourg	
7 Argentina	3 Canada	1 Netherlands	

19

COUNTRIES WHERE
HARVEST STAFF
ARE FROM

89 Australia	3 Italy	1 Argentina	1 India
26 France	2 China	1 Brazil	1 Israel
8 Canada	2 Korea	1 Chile	1 Mexico
7 England	2 Netherlands	1 Czech Republic	1 New Zealand
5 Germany	2 USA		1 Taiwan

FARM TOURS

190

BREWERS WHO
VISITED DURING
HARVEST



- AUSTRALIA
- USA
- UK
- IRELAND
- GERMANY
- JAPAN
- CHINA
- SWEDEN
- SLOVENIA

HOP PRODUCTS



- PROPRIETARY HOPS
- Galaxy™
 - Ella™
 - Enigma™
 - Topaz™
 - Vic Secret™
 - HFA-016

- OPEN MARKET HOPS
- Cascade
 - Super Pride



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About HPA

HPA is the largest hop grower in Australia. We're farmers, brewer and beer lovers with a thirst for cultivating uniquely Australian hop characters that will excite new and seasoned brewers alike. Through our breeding program we have introduced a number of proprietary flavour hops, in addition to our aroma and bittering varieties. We are also a member of the Barth-Haas Group, which means we export our products to international brewers as well as import some of the finest hops from America and Europe for local brewers to use. We're constantly proud to help craft the unique flavours and aromas in hundreds of different beers that are enjoyed in restaurants and pubs, bars and backyards around the world.

BARTH-HAAS GROUP

