

# The Malting Industry

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# What is malt?



# The malting process

**STEEPING**



**GERMINATION**



**KILNING**



# Floor malting



# Traditional buildings



# Large scale malting



# Industrial malting equipment





Many malt  
types exist



# UK malting industry

- 18 malting companies
- 36 production sites
- Utilise 2+ million tonnes malting barley
- Produce 1.6 million tonnes malt
- Customers are whisky distillers (53%), brewers (31%), export (11%) and food (5%).



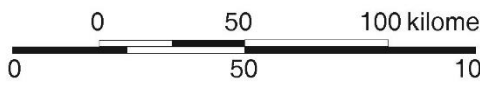
*Irish Sea*

*English Channel*

land over 1000'

urban areas

Maltsters' Association of Great Britain (MAGB)  
[info@magb.org.uk](mailto:info@magb.org.uk) [www.ukmalt.com](http://www.ukmalt.com)  
 Year 2022



Boortmalt - Knapton

Muntons - Flamborough

Muntons - Tithes Top

YORK

LEEDS

Thomas Fawcett

HULL

HUDDERSFIELD

SHEFFIELD

GRIMSBY

LIVERPOOL

MANCHESTER

STOKE-ON-TRENT

NOTTINGHAM

DERBY

Soufflet Malt - Shobnall

LEICESTER

Crisp - Great Ryburgh

NORWICH

Crisp - Ditchingham

BIRMINGHAM

COVENTRY

Simpsons - Tivetshall

Boortmalt - Bury St Edmunds

Muntons - Cedars

NORTHAMPTON

CAMBRIDGE

IPSWICH

Crisp - Mistley

Bairds - Witham

French & Jupps - Ware

SWANSEA

CARDIFF

BRISTOL

LONDON

Warminster

SOUTHAMPTON

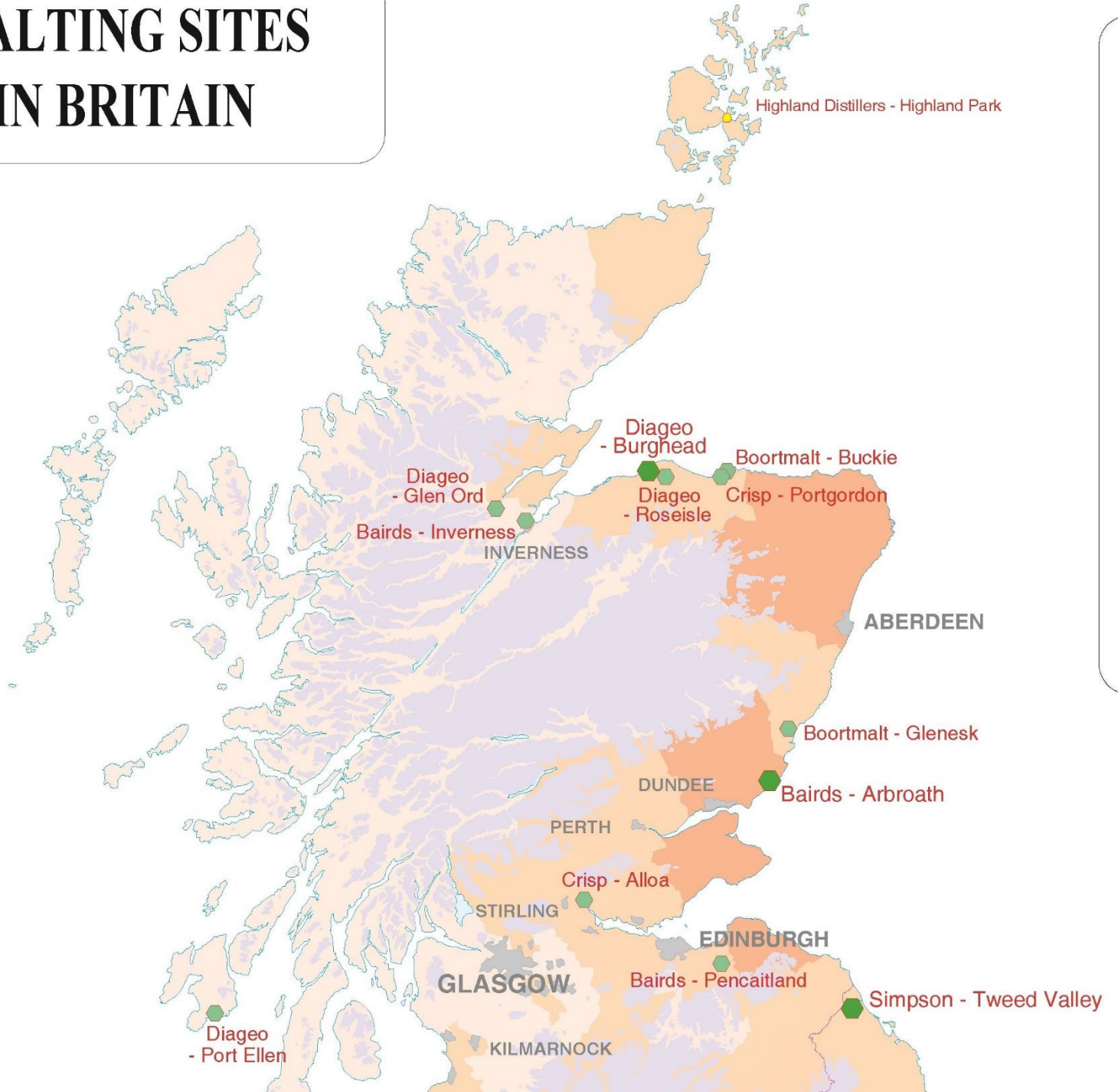
PORTSMOUTH

BRIGHTON

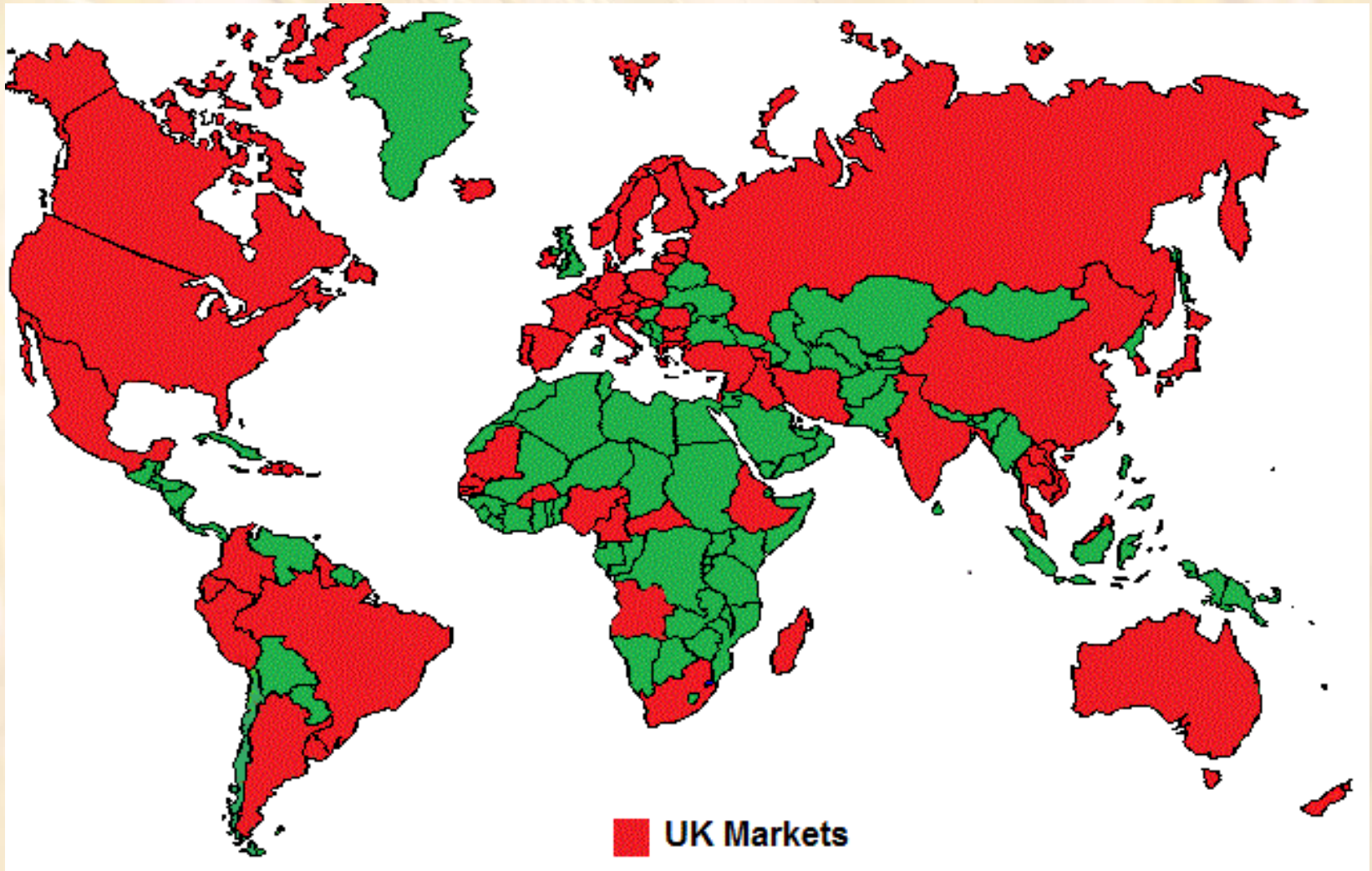
BOURNEMOUTH

PLYMOUTH

# MALTING SITES IN BRITAIN



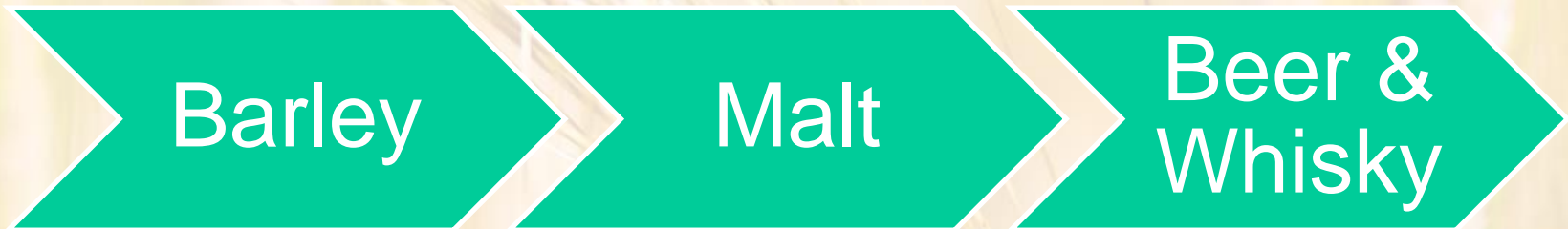
# Malt exports



This is not just barley...this is high quality home grown malting barley



# Adding value to the supply chain



1 hectare yields  
7 tonnes barley

Value **£2,100**

7 tonnes barley  
gives 5.6  
tonnes malt

Value **£3,920**

5.6 tonnes malt  
gives 87,000  
pints of beer or  
6,600 bottles of  
malt whisky

Value **£348,000 (beer)**  
and **£231,000 (whisky)**

## Gross Value Added (GVA)

Beer & Pubs £26.2 bn\*

Whisky £5.5 bn\*\*

\* BBPA 'Oxford Economics' report 2021

\*\* SWA website 2022

# What about jobs?



300,000 total  
farm jobs

800 jobs

Beer & pubs  
936,000 jobs\*  
Whisky  
53,000 jobs\*\*

\* BBPA 'Oxford Economics' report 2021

\*\* SWA website 2022

# Challenges

- Barley supply
- Sustainability
  - Energy
  - Water
  - Net zero
- Recruitment and skills development





# Key messages

- Malting is a crucial intermediate step in the supply chain for beer and whisky.
- We need to invest in science and technology to ensure malting continues to deliver against future challenges.
- We need government support for energy decarbonisation to deliver net zero goals.

# Further information

- [www.ukmalt.com](http://www.ukmalt.com)
- [julian@magb.org.uk](mailto:julian@magb.org.uk)