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# Cereal Varieties for 2019/20

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# Developing messages for 2019/20

- Coping with seasonal and climatic challenges
- Promise of better yield in new spring and winter cereals
- Signs of improved crop resilience
- Laureate's rise, but what will be supporting and competing?
- Plenty of options in winter wheat (for distilling and feed) and winter barley

<https://www.sruc.ac.uk/recommendedcereals>

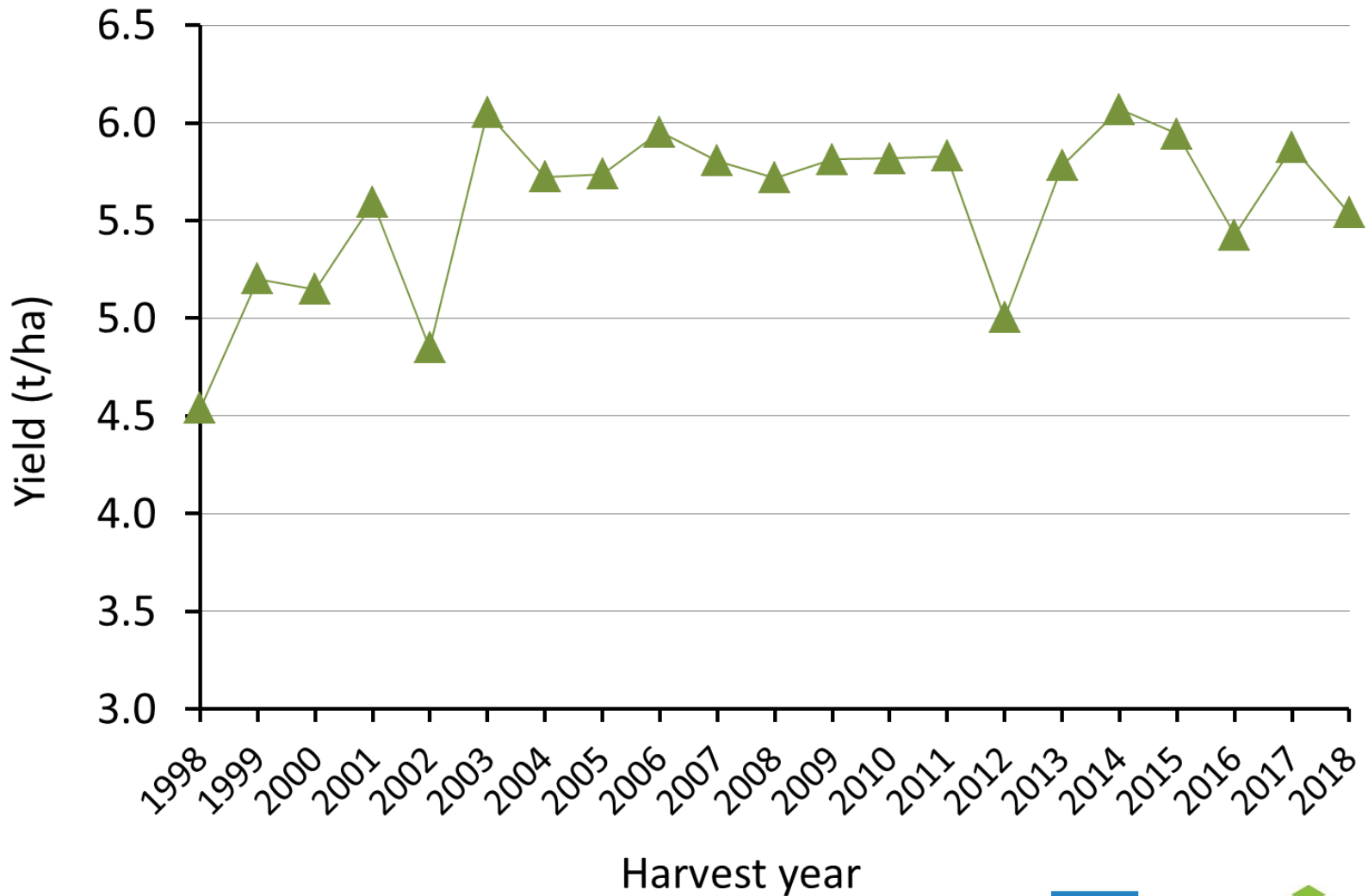


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# Spring barley – *No yield improvement on farm*



(Source: Scottish Government)

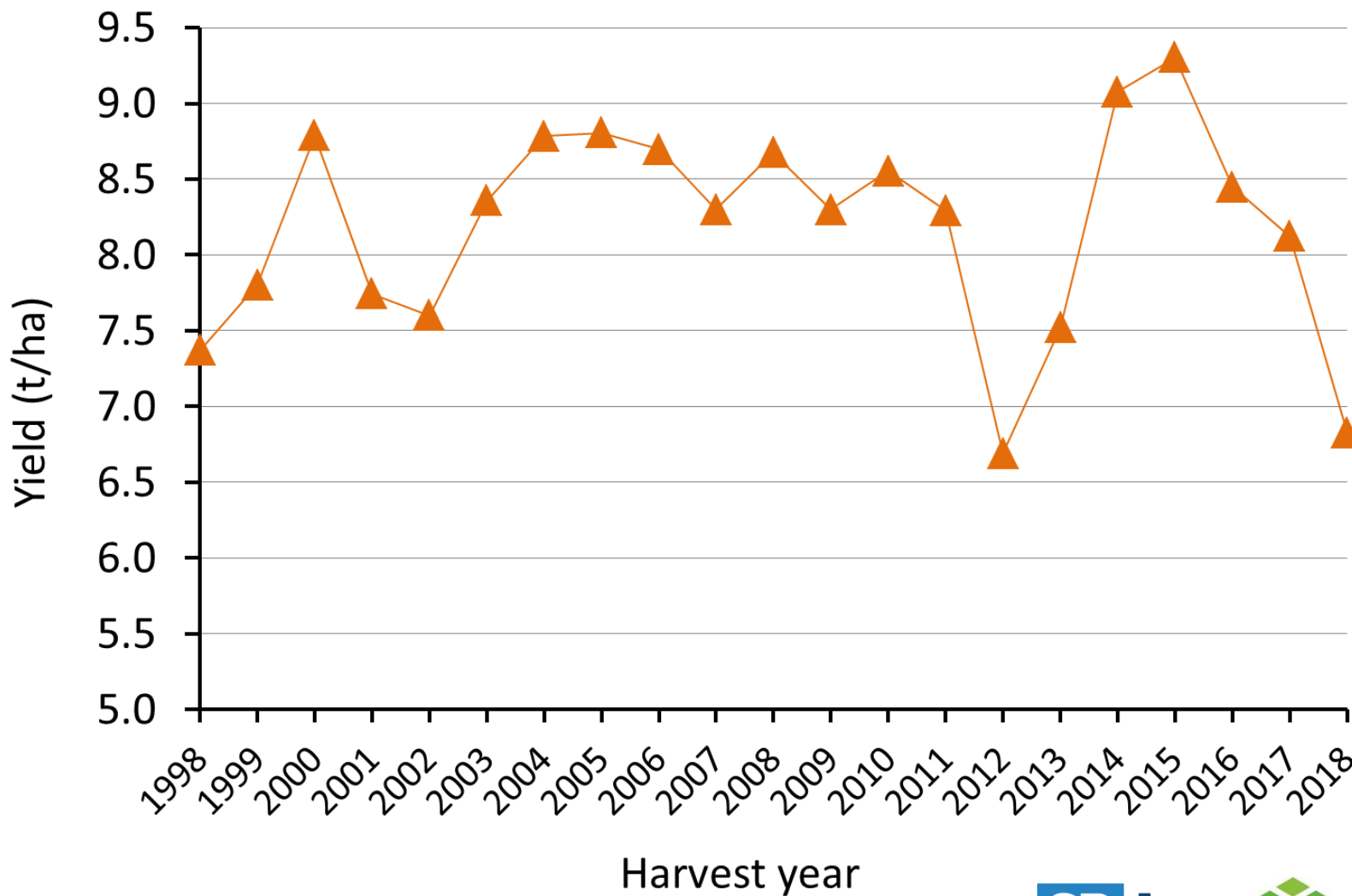


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# Winter wheat – *Yield stagnation and variability*



(Source: Scottish Government)



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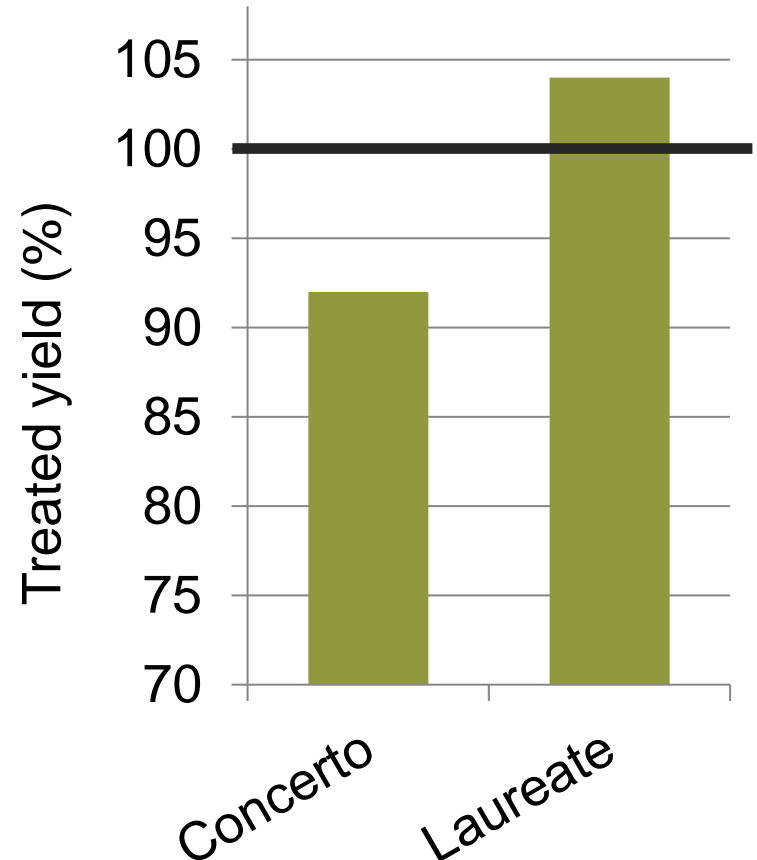
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# Spring barley

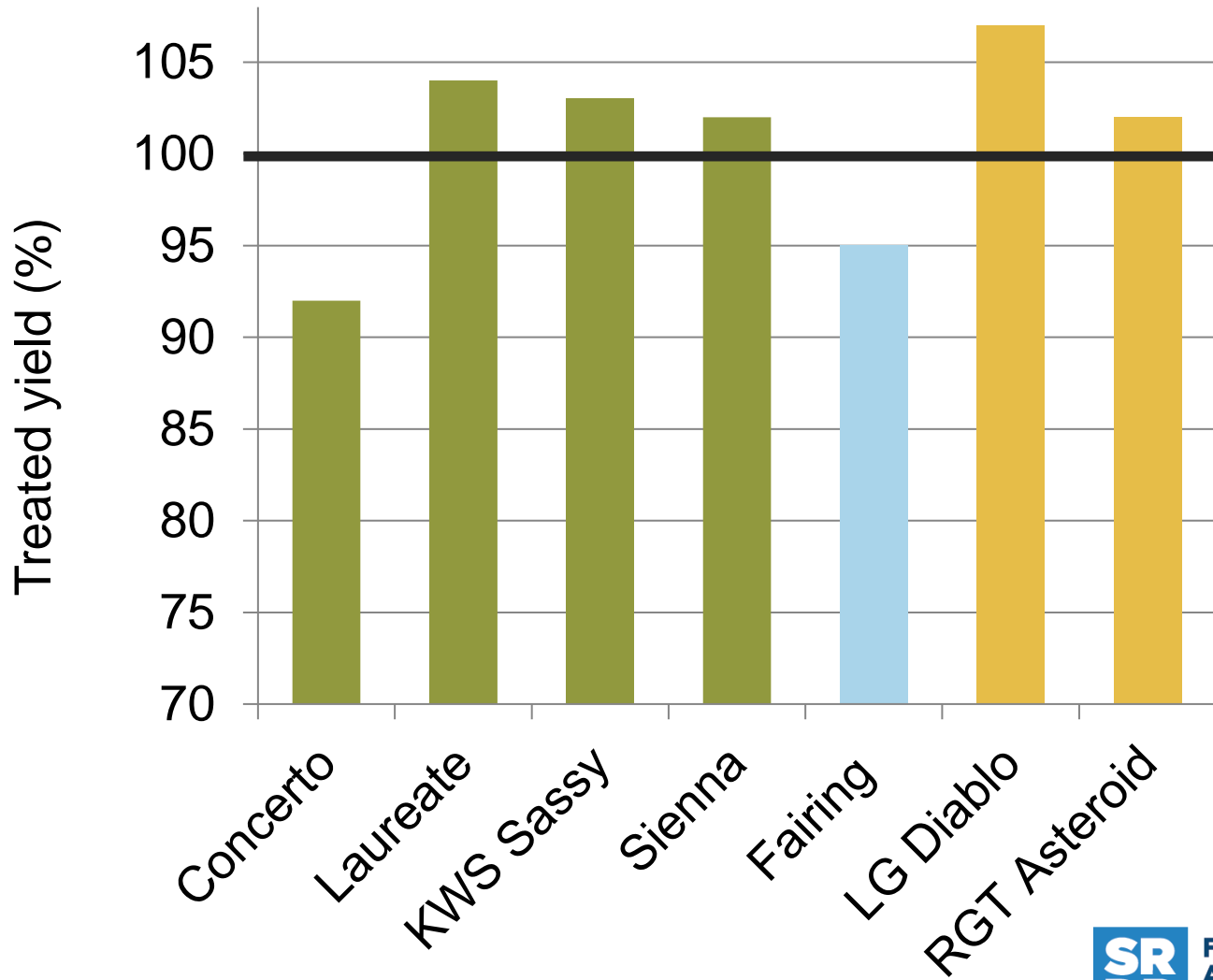
- Laureate's rise
- Role for Concerto?
- Several supporting varieties
- Waiting for progress in new distilling varieties

# Laureate – *New market leader*

- Full MBC Approval for B and D
- 12% higher yield than Concerto
- Strong agronomic features
- Short straw
- Low specific weight



# Other malting varieties – *Added value*



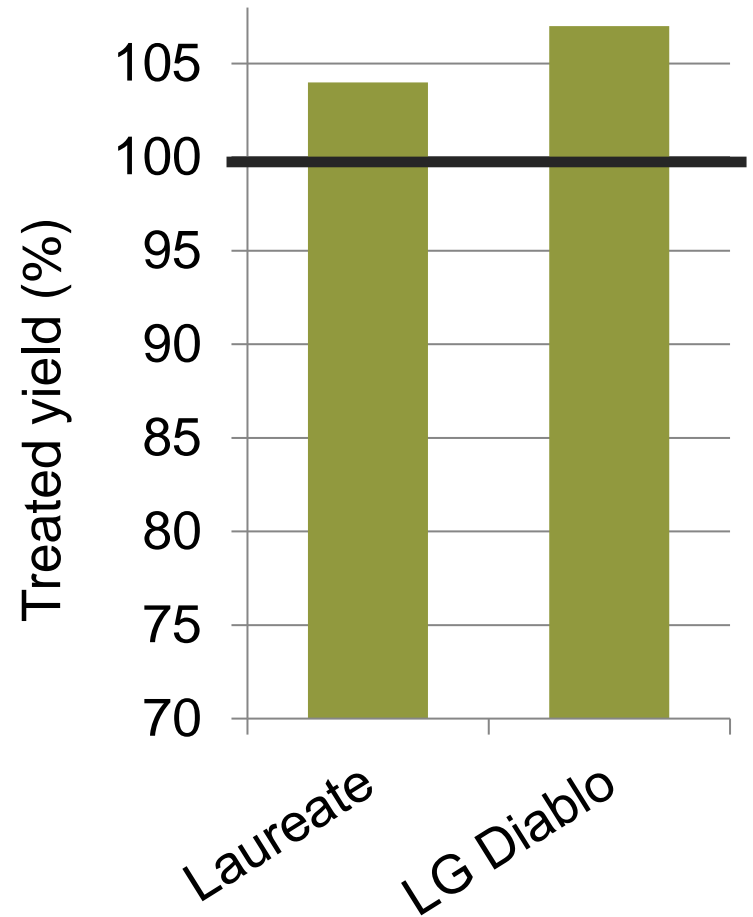
# Other malting varieties – *MBC status*

- KWS Sassy – Full Approval for malt distilling
- Sienna – Full Approval for malt distilling
- Fairing – Full Approval for grain distilling
- LG Diablo – Provisional Approval 1 for brewing and malt distilling
- RGT Asteroid – Provisional Approval 1 for brewing, malting distilling and grain distilling



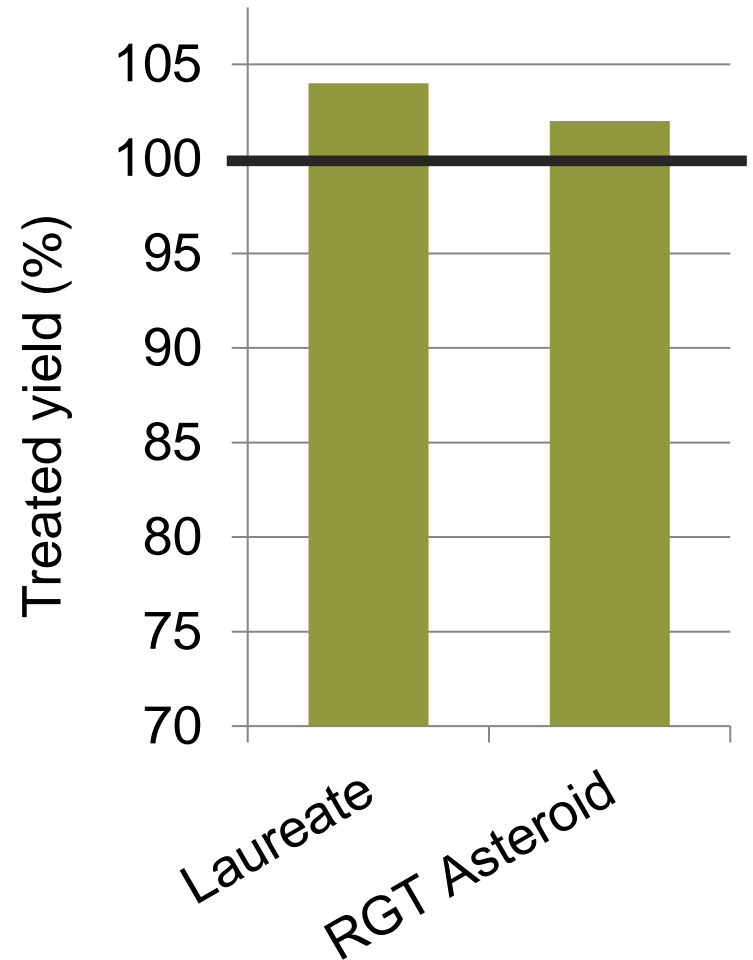
# LG Diablo – *Potential for B and D*

- MBC Provisional 1 Approval for B and D
- Brewing and distilling trials ongoing
- 15% higher yield than Concerto
- Later maturity (at +2)
- Good brackling resistance. Short straw
- Weak for *Rhynchosporium*



# RGT Asteroid – *Potential for many uses*

- MBC Provisional 1 Approval for B, D and GD
- Malt and grain distilling trials ongoing
- 10% above Concerto yield, 2% below Laureate
- Maturity same as Laureate
- Good brackling resistance
- Weak for *Rhynchosporium*



# Other spring cereals – *oats and wheat*

## Spring oats

Elison: *New variety.* Yield improvement over Aspen, Canyon and Firth. Good specific weight and stiff straw.

Delfin: *Year 2 variety.* Very high yield. Low screenings and stiff straw.

## Spring wheat

KWS Talisker: *New variety.* High yielding nabim Group 4. Excellent specific weight and good Hagberg.

Hexham: *New variety.* High yielding nabim Group 4. Very good specific weight and Hagberg. Late maturity.



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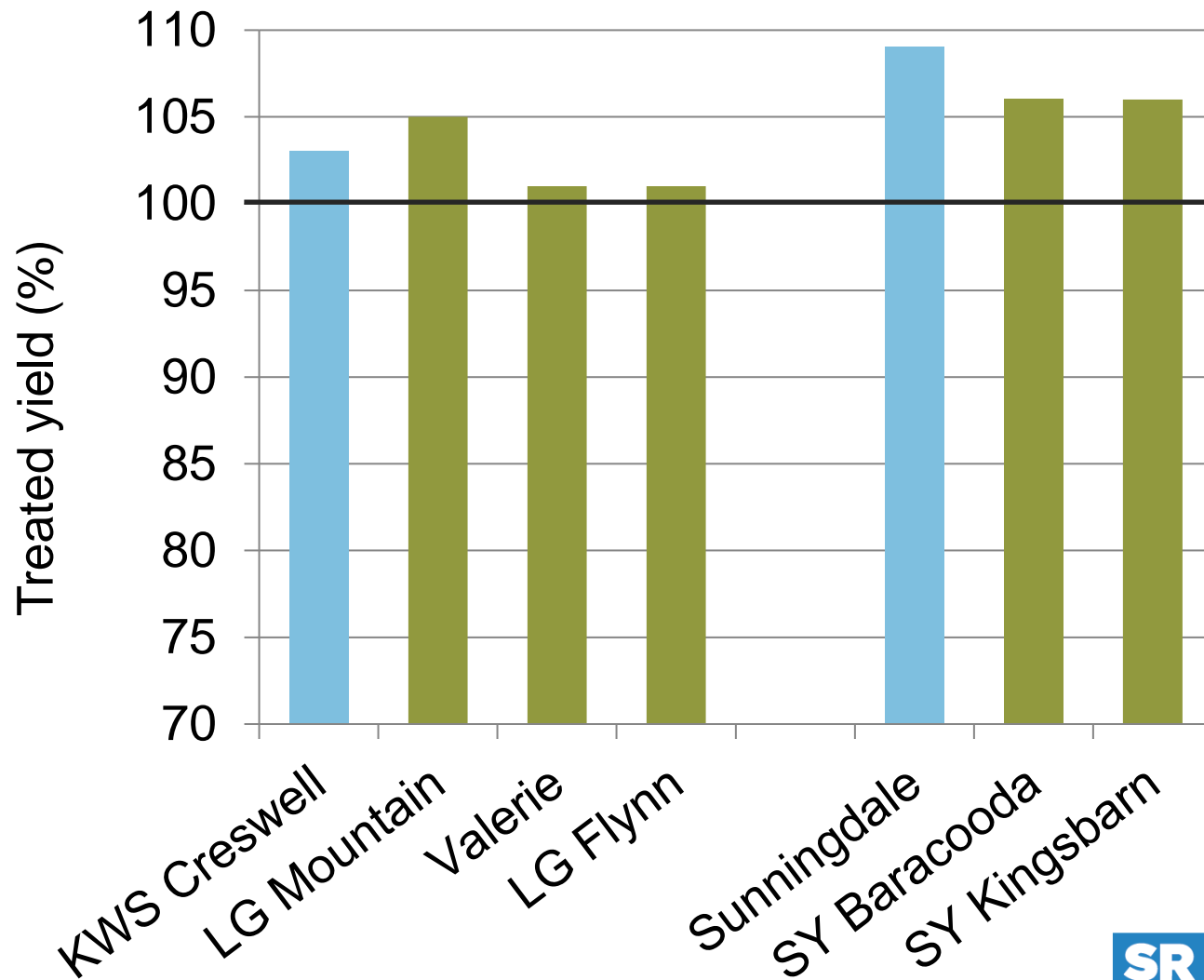


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# Winter barley

- Plenty of choice in two-two feed and six-row hybrids
- Yield improvements in variety trials
- Signs of progress in agronomic features

# Winter barley – *Five new entries to list*



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# Winter barley – *New to Scottish List*

LG Mountain: Yield advance. Early maturing

Valerie: Modest yield. Excellent quality. Strong agronomy

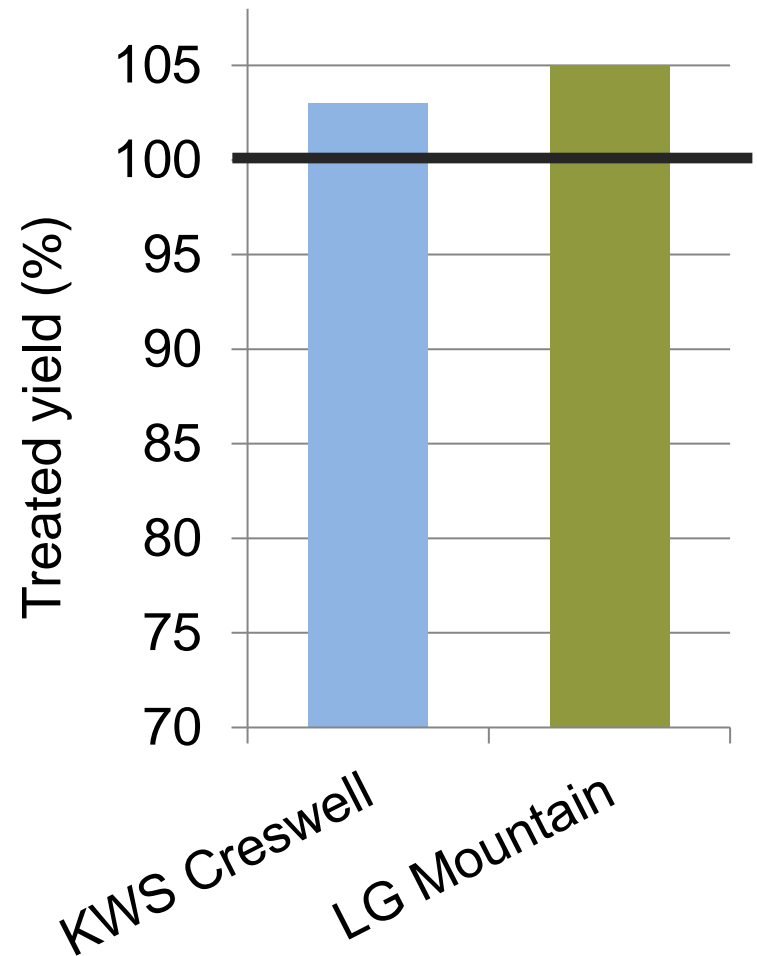
LG Flynn: Modest yield. Good quality. Moderate agronomy

SY Baracooda: Competitive yield and good specific weight.  
Good *Rhynchosporium* resistance

SY Kingsbarn: Competitive yield. Excellent specific weight,  
low screenings. Stiff straw

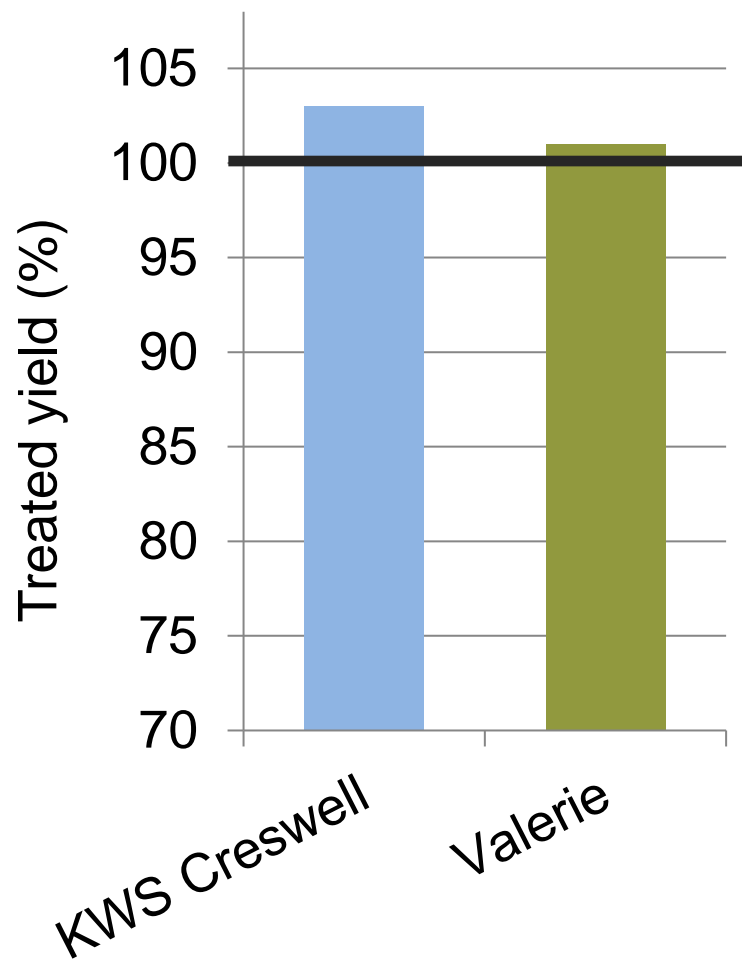
# LG Mountain – *New high yielding two-row feed*

- Very high yield
- Good across all soil types
- Good specific weight and intermediate for screenings
- Early maturity
- Good straw strength
- Weak for disease resistance



# Valerie – *New good quality two-row feed*

- Moderate yield
- Excellent specific weight and very low screenings
- Early maturity
- Very stiff straw
- Intermediate disease resistance



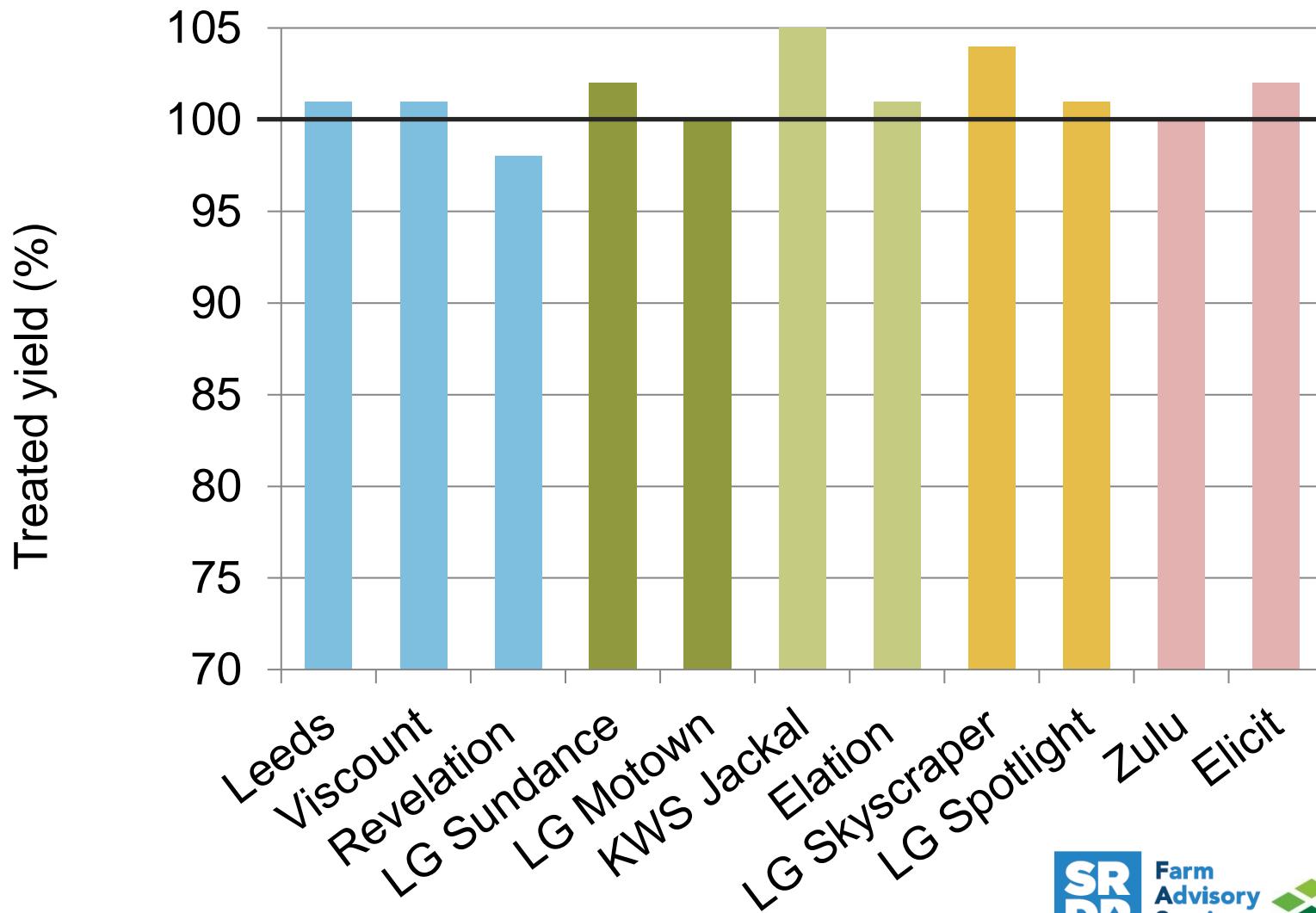


# Winter wheat

- Wide choice in distilling varieties
- Hard feed and milling varieties might add value in crop rotation and management

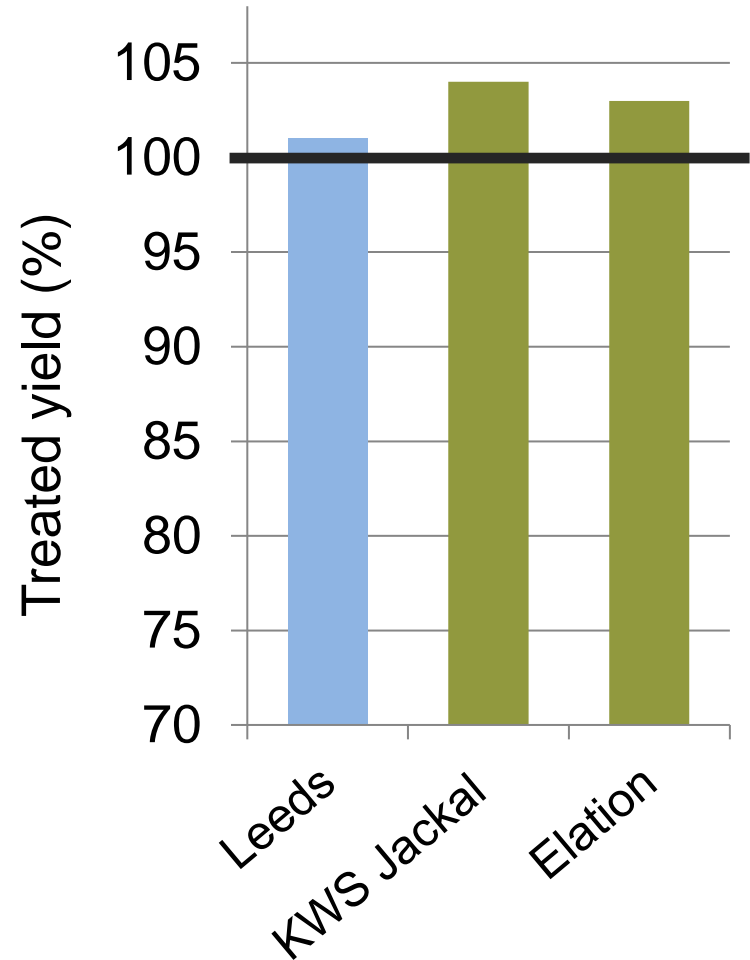
<https://www.sruc.ac.uk/recommendedcereals>

# Winter wheat – *Many distilling options*



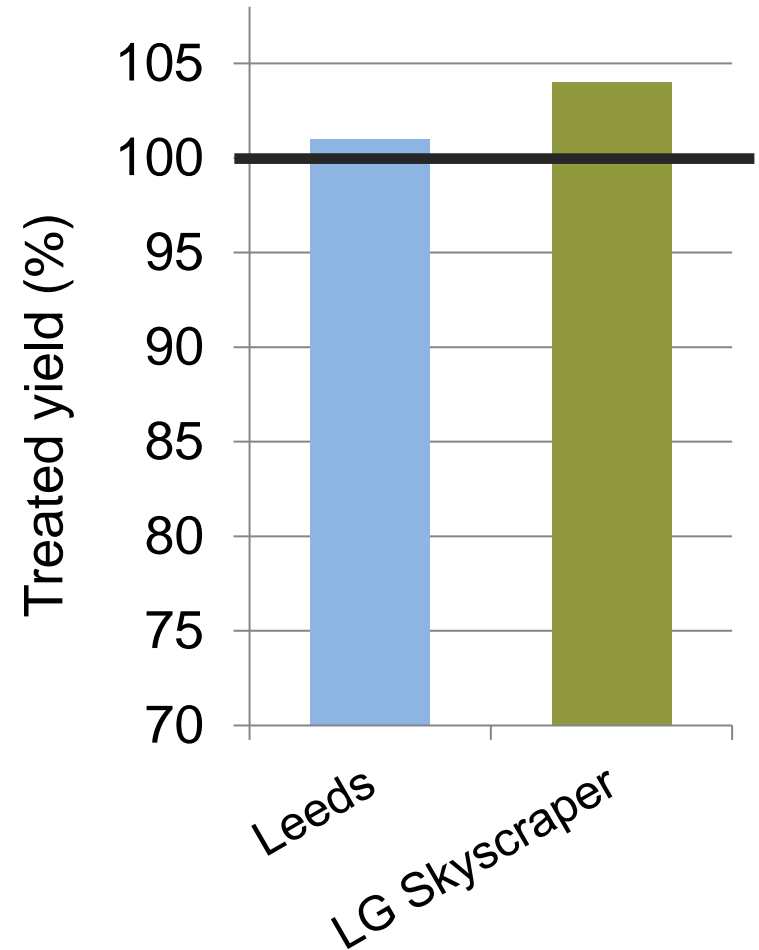
# KWS Jackal and Elation – *both in year 2*

- KWS Jackal:
  - High yield
  - Good second wheat
  - Medium for distilling
  - Intermediate agronomic features
- Elation:
  - High yield
  - Good second wheat
  - Good for distilling
  - Good specific weight and stiff straw



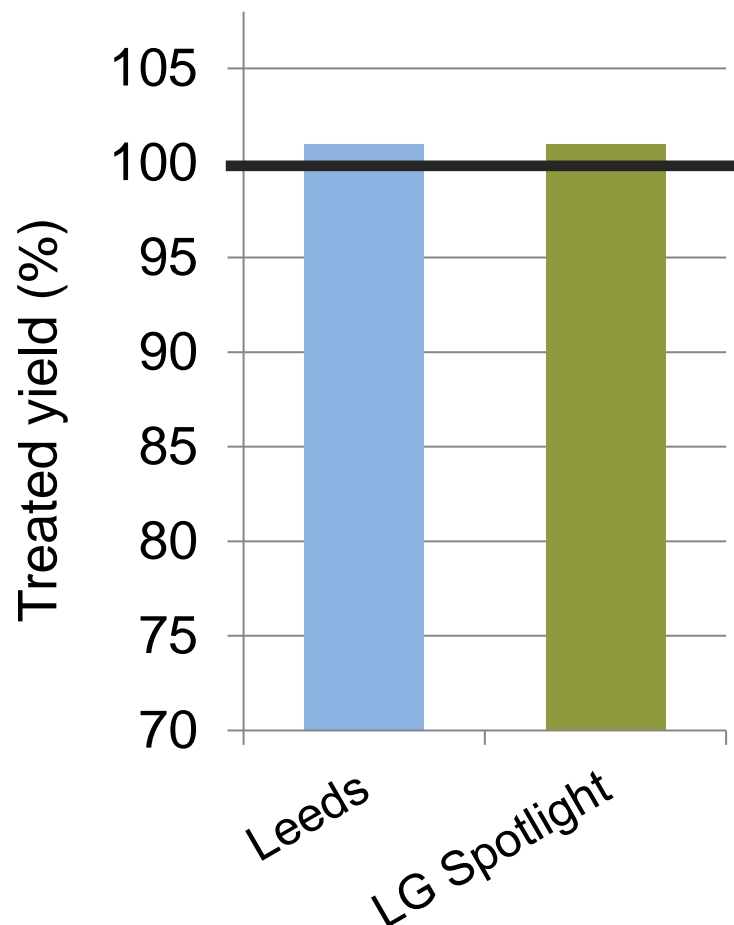
# LG Skyscraper – *New distilling soft feed*

- High yield
- Good second wheat
- Medium for distilling
- Good specific weight
- Tall straw
- Relatively early



# LG Spotlight – *New distilling soft feed*

- Yield similar to Leeds
- Moderate as a second wheat
- Excellent specific weight and Hagberg falling number
- Stiff straw (and above average height)
- Intermediate maturity



# Summary

- Signs of much needed crop resilience among new varieties
- Check spring barley options – supporting Laureate in 2019 and 2020
- More choices in spring oats. Check against market leaders Firth, Canyon and Conway.
- Take advantage of new winter cereals – wheat and barley

<https://www.sruc.ac.uk/recommendedcereals>



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# Thank you