

# Crop 2023 Europe Quality update

November, 27th 2023



# Crop 2023 France

## Quality update



# France : 2-Row Spring Barley Quality Overview

*Crop 2023*

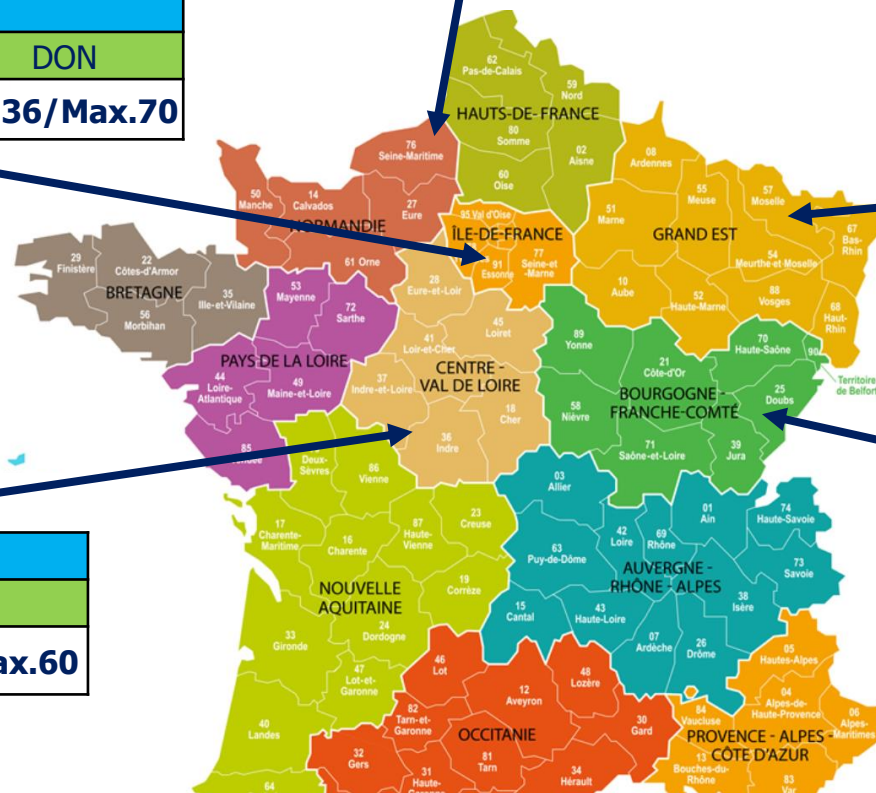
North & Normandy			
	Moisture	Protein	DON
<b>Average</b>	<b>13.2</b>	<b>9.1</b>	<b>Av.20</b>

IDF			
	Moisture	Protein	DON
<b>Average</b>	<b>11.8</b>	<b>10.3</b>	<b>Av.36/Max.70</b>

Cham			
	Moisture	Protein	DON
<b>Average</b>	<b>12.2</b>	<b>10.2</b>	<b>Av.30/Max.70</b>

Center			
	Moisture	Protein	DON
<b>Average</b>	<b>11.8</b>	<b>9.9</b>	<b>Av.43/Max.60</b>

Burg			
	Moisture	Protein	DON
<b>Average</b>	<b>11.7</b>	<b>11.9</b>	<b>Av.129/Max. 400</b>



# Discussion – 2RS

## *Crop 2023*

- ❖ 2RS are **homogeneous** in relation to quality results within regions.
- ❖ 2RS - trend towards 0.2% lower **protein** crop at 10.2% on average versus 10 years average (2014 to 2023) except for the Burgundy area where proteins are higher.
- ❖ **Specific weight** has decreased for crop '23 Spring, averaging 66.1 for 2RS (a 2 point reduction).
- ❖ Poor **calibration** 78% over a 2.5mm screen.
- ❖ **DON** levels are low at 88 ppb on average.
- ❖ Trend of optimum barley **moistures**.
- ❖ All areas are exhibiting very low to no **water sensitivity**.

# France : 6-Row Spring Barley Quality Overview

*Crop 2023*

North & Normandy			
	Moisture	Protein	DON
<b>Average</b>	<b>13</b>	<b>10.1</b>	<b>30</b>

IDF			
	Moisture	Protein	DON
<b>Average</b>	<b>11.6</b>	<b>10.8</b>	<b>0</b>

Cham			
	Moisture	Protein	DON
<b>Average</b>	<b>11.9</b>	<b>10.3</b>	<b>Av. 35/Max. 70</b>



Centre			
	Moisture	Protein	DON
<b>Average</b>	<b>11.1</b>	<b>10.4</b>	<b>410</b>

Burg			
	Moisture	Protein	DON
<b>Average</b>	<b>12.3</b>	<b>9.9</b>	<b>Av. 129/Max. 410</b>

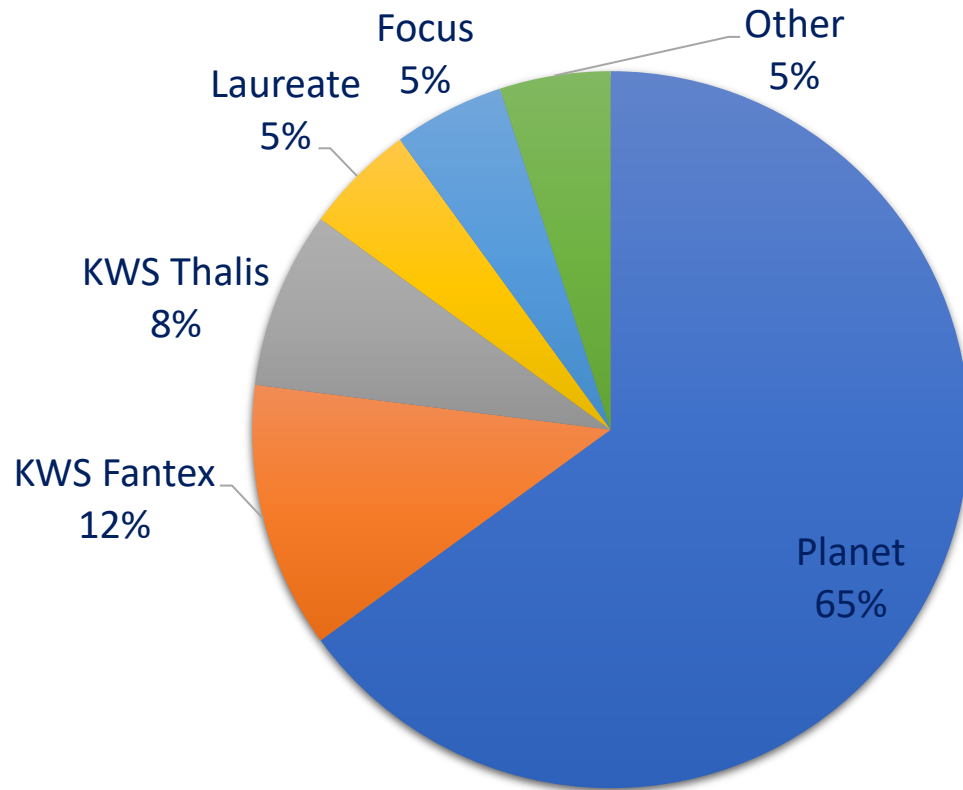
# Discussion – 6RW

## *Crop 2023*

- ✦ 6RW – **protein** trend is 10.3% on average which is optimum.
- ✦ **Specific weight** on average of 67.4 for 6RW (versus low specific weights in the Centre –Axereal area).
- ✦ **Calibration** - 6RW averaging 86% over a 2.5mm screen (Moderate/Good).
- ✦ **DON** levels are low at 88 ppb on average.
- ✦ Trend of optimum barley **moistures**.
- ✦ All areas are exhibiting very low to no **water sensitivity**.
  
- ✦ **Wheat** currently averaging 11.5 to 12.5% protein, but not all results in at present.

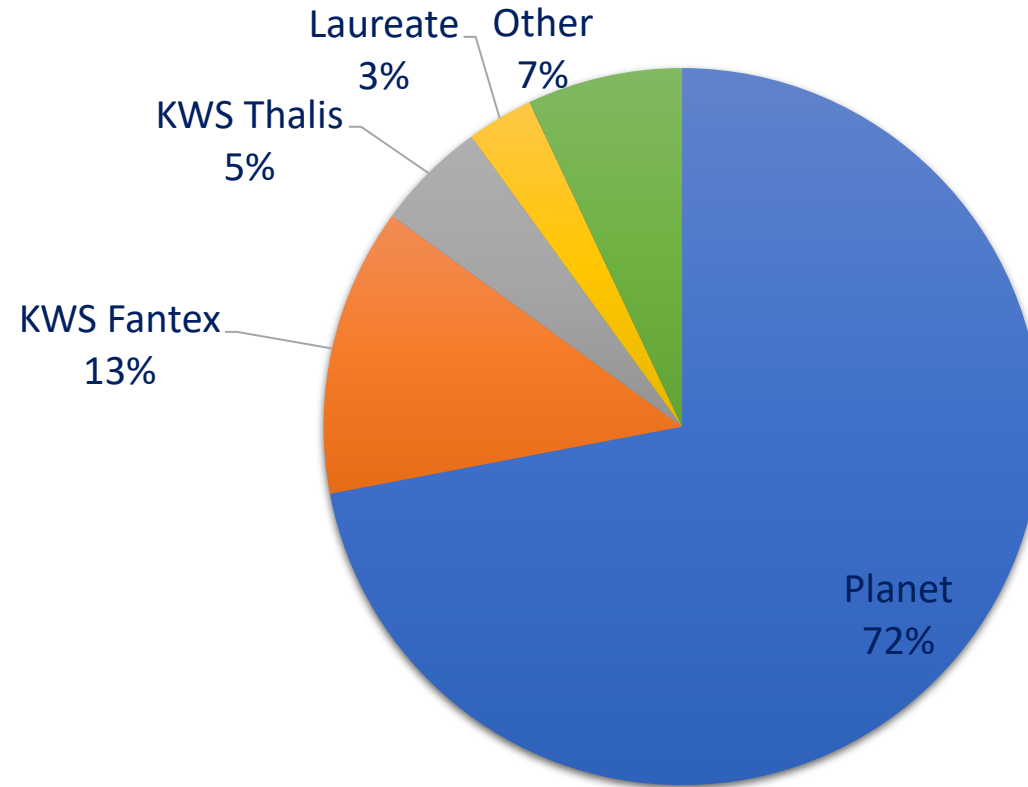
# Variety landscape - 2RS

Crop 2022



☛ *KWS Thalix has the most growth potential*

Crop 2023

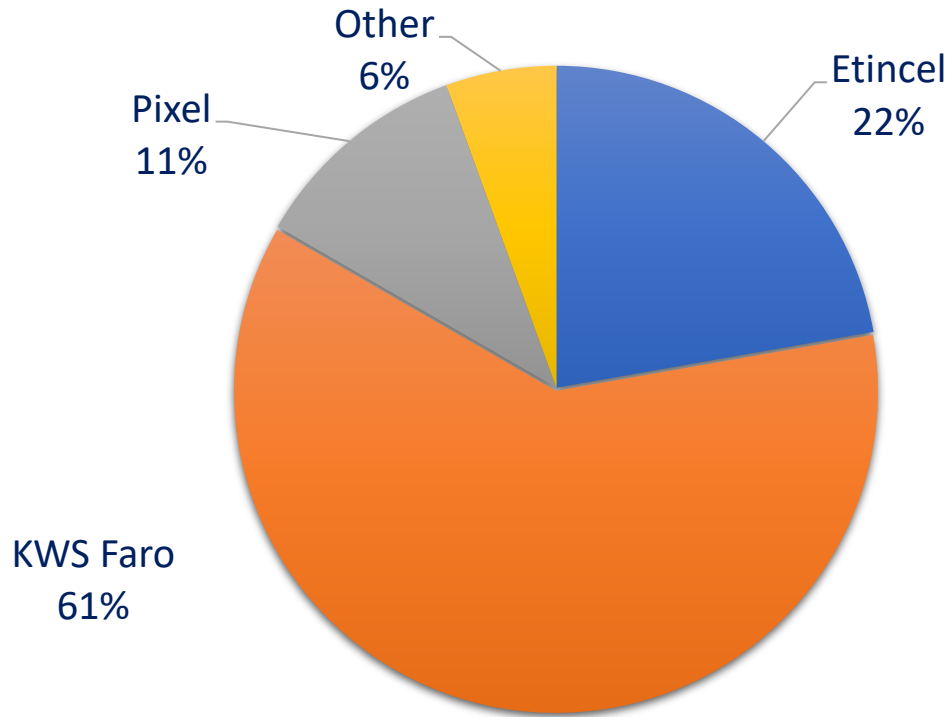


☛ *Laureate reducing*

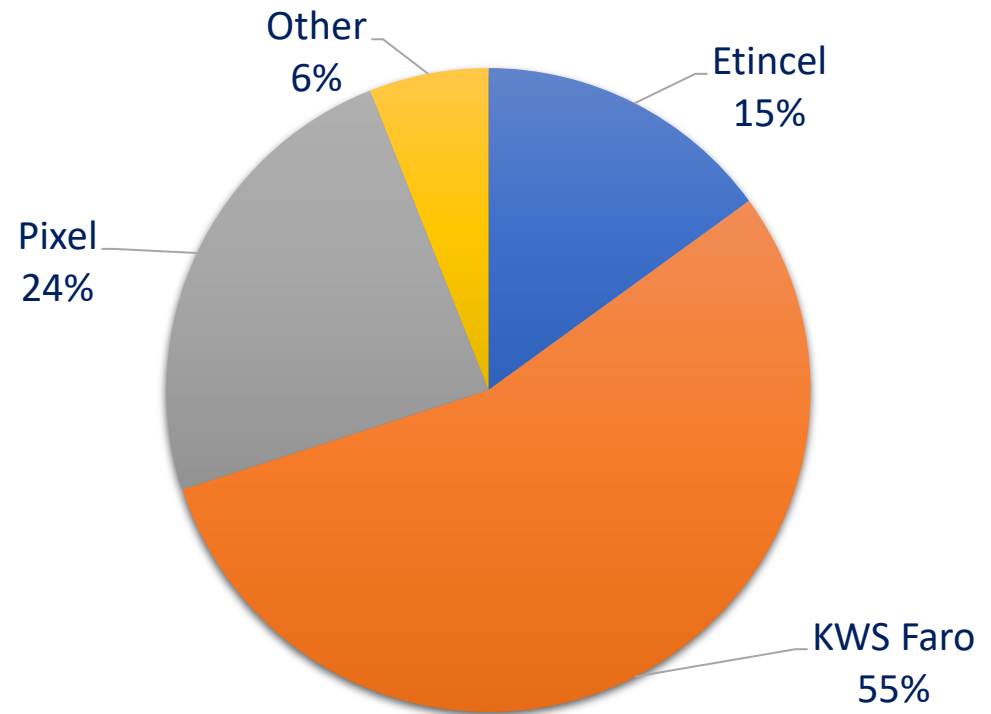
☛ *KWS Thalix remaining with good potential*

# Variety landscape – 6RW

Crop 2022



Crop 2023



🌾 *Etincel reducing*

🌾 *Pixel increasing (this may reduce as it had a poor 2023 harvest)*



# Industrial malt results France

*Crop 2023*

France	# batches	Extract fine	Colour	Post-coloration	Total protein	Soluble protein	Kolbach	Viscosity	pH	Friability	PUG	WUG	Diastatic Power	FAN	B-glucans	alpha-amylase	Final attenuation
Planet France	203	82,0	4,2	6,5	9,9	4,2	42	1,48	6,0	89	2,5	1,3	290	143	110	53	82
Laureate France	22	81,4	4,0	6,7	9,9	4,1	42	1,51	6,0	88	2,8	1,8	260	146	163	49	81
Thalis France	16	81,1	3,7	5,7	10,1	4,1	41	1,47	6,0	89	2,5	1,1	320	139	155	52	82
Faro France	59	80,2	3,2	5,9	10	4,3	43	1,54	6,0	86	3,0	1,3	280	144	198	41	82
Pixel Centre	36	78,9	3,5	6,6	9,7	4,3	44	1,48	6,1	89	2,6	1,2	430	145	129	52	83

- ❖ Industrial results for 2RS and 6RW from France
- ❖ Cytolytical modification and amylolytical enzyme content are correct
- ❖ FAN is at the low side and needs a push = risk for higher boiled wort colour
- ❖ Pixel extract under 79,5%
- ❖ Gelatinisation temperatures French crop
  - 6RW 62,5-63,5°C
  - 2RS 64,2-66,4°C
- ❖ Oxalic acid on 2RS 9-16 mg/100g TrS
- ❖ Ferulic acid on 2RS 20-40 mg/kg air dry