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Results Field Trials, Crop 2004

Submitted on behalf of the Analysis Committee of the European Brewery Convention

The present report summarizes the EBC Barley Field Trials for Crop 2004. It is based on the comments of the 4 regional chairmen and is intended to highlight tested varieties that may be of interest to the malting and brewing industry.

Descriptors: EBC Barley & Malt Committee, barley field trials, barley varieties

1 Standard varieties

For harvest 2004 trials, Scarlett and Barke varieties have been used as common standards for spring varieties, and Esterel and Regina for winter varieties.

2 Results

Winter varieties

(Region North is not taken into account as trials were performed in Denmark only)

- For Year 2 varieties, MOMBASA and BOREALE show good yield. AUREVAL final attenuation is always better than standards;
- For year 1 varieties, NECTARIA shows the highest extract in all regions. AQUARELLE has the highest final attenuation.

Spring varieties

(comments are relative to a specific region)

- In region West, all varieties have higher yield than standards. Of year 2 varieties, CARAFE and SEBASTIAN also show higher extract, lower viscosity, with good final attenuation. All year 1 varieties are better than standards regarding viscosity, glucans and friability, except CRISTALIA, slightly lower. WESTMINSTER has the highest Kolbach and extract with a high yield. TOCADA has the highest yield but the lowest extract. Grading is similar to standards, except for TOCADA and WICKET much lower above 2.8.
- In region Central, all varieties have higher yield than standards. All year 2 varieties show good grading. MARNIE combine high Kolbach, final attenuation and friability, with the lowest glucan and viscosity. MALZ shows the highest extract. Of year 1 varieties: TROON and XANADU have a notably highest

extract than standards, the latest showing also low glucan level. CARAFE has low viscosity and glucan, good extract and friability. ODESSA shows some dormancy.

- In region North, all varieties have higher yield than standards. Of year 2 varieties, CLASS is noticeable for its highest grading, final attenuation and DP. CELLAR has the highest extract yield. All varieties are better than standards for viscosity, glucan and friability, except SW IMMER, equivalent to or slightly under standards. For year 1 trials, all varieties have higher friability than standards, CHRISTINA being the best, but with a poor grading. TROON and MAAREN have highest extract, the latest showing also high Kolbach and low glucan. CATRIONA and JOSEFIN have the highest DP, but show respectively poor grading and some dormancy.
- In region South, for year 2 varieties, no extract improvement is observed. MESSINA and RANGOON have better yield than standards, the latest showing also good friability, final attenuation and low viscosity. CEYLON has the highest grading, but lower yield. Of year 1 varieties, AURIGA, POWER and SEBASTIAN have good malting parameters and high yield. Grading is quite poor, except for METIS, MARGRET and ANTTO, but this variety shows high viscosity and low final attenuation.

3 Further information

For more detailed barley and malt data on the above named varieties please refer to the publication 'Results Field Trials Harvest 2004'.

Available on request through the national members of the EBC Barley & Malt Committee or from the EBC Secretariat, P.O. Box 510, 2380 BB Zoeterwoude, The Netherlands (tel +31 71 5456047/5456614; fax +31 71 5410013, e-mail: secretariat@ebc-nl.com).