



European Brewery Convention

BARLEY & MALT COMMITTEE

Results Field Trials, Crop 2003

Executive Summary

The present report summarizes the EBC Barley Field Trials for Crop 2003. 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.

Standard Varieties

For harvest 2003 trials, Scarlett and Barke varieties have been used as common standards for spring varieties, and Esterel and Regina for winter varieties.

Results

Winter varieties

Of year 2 varieties, DIAMOND has higher extract than standards, with low viscosity and glucon level in all locations. JESSICA is noticed for a good yield and high Kolbach index. MADISON, CLARA and CARRERO show good to superior agronomic yield in all regions (except south region for the latest).

Of year 1 varieties, MOMBASA yields are equal or higher than standards, with good grading, high Kolbach index, low viscosity and glucon, to different degree depending on location. PEDIGREE characteristics are good, with a high yield (except in north region) and low protein content, and the highest extract yield, but a lower grading. BOREALE shows high diastatic power in all regions.

Spring varieties

As the trialed spring varieties varied from region to region, comments are relative to a specific region.

In **region West**, of year 2 varieties, all varieties are improvement in yield compared to standards. TROON shows the highest yield and final attenuation, and lowest viscosity. COCKTAIL is noticed for its yield and extract, RANGOON, CLASS and ARCADIA for their yield, and PEWTER for its Kolbach index. All year 1 varieties are also better in yield. CARAFE has good agronomic characteristics, as well as the highest extract, Kolbach, attenuation and lowest glucon. DOYEN shows the highest yield.

SEBASTIAN has good yield and grading, as well as good extract, attenuation and diastatic power. TOBY has better extract, glucon and viscosity than standards.

In **region North**, of year 2 varieties, all varieties show good yield with extract and DP equals to standards. SEBASTIAN shows highest yield and extract, whereas BRAEMAR and ANTTO show the best grading results. All year 1 varieties have good grading characteristics, high extract levels, high Kolbach indexes and high diastatic power. The highest yields are recorded for POWER and SWIMMER, and the lowest viscosity and glucon levels for POWER and CARAFE.

In **region Central**, of year 2 varieties, BRAEMAR and MESSINA have good grading. URSA shows the highest yield and Kolbach index, and the lowest glucon level. Data for year 1 varieties do not show any particular improvement. MARGRET and JUTTA have higher yield, the latest showing, with MARNIE, the best grading.

In **region South**, of year 2 varieties, BRAEMAR shows the highest yield, and improvement in all agronomic characteristics with a good malting quality (lowest protein, glucon and viscosity). ADONIS and SPIRE also show better yield than standards. Of year 1 varieties, PEWTER, TOPIC and CEYLON have good yield and good malting characteristics (extract, viscosity, glucon and DP).

Further Information

For more detailed barley and malt data on the above named varieties please refer to the publication 'Results Field Trials Harvest 2003'. Available on request through the national members of the EBC Barley & Malt Committee or from the EBC Secretariat,

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June 2004