

Cultivars

In the Western Cape, SST 027 dominated the market (36 %). SST 015 (29 %) and SST 88 (21 %) were also popular cultivars. The Western Cape produced 35 % of all wheat grown in South Africa during the 2009/2010 season.

Regions 21 to 24 of the Free State were dominated by PAN 3120 (24 %). Elands dominated regions 25 to 28 (36 %). SST 835, PAN 3118, SST 356, Matlabas and Gariep were also popular cultivars.

Farmers in the Vaal and Orange River areas preferred SST 835 (39 %), CRN 826 (19 %) and Duzi (15 %).

The most preferred cultivar in the North West was SST 835 (47 %), followed by SST 843 (15 %) and CRN 826 (13 %).

In Limpopo, Gauteng and Mpumalanga SST 835 (41 %) was the dominant cultivar followed by Duzi (23 %).

The above information was calculated from the cultivar identification done on all 480 crop samples.

Mycotoxins

Mycotoxins, as secondary metabolites of moulds or fungi, can cause toxic effects in humans and animals consuming contaminated foods or feeds. Thirty samples (representing different regions) were selected randomly for mycotoxin analyses. These samples were tested for aflatoxin, deoxynivalenol and ochratoxin A.

The highest Aflatoxin content found was 4 ppb ($\mu\text{g}/\text{kg}$). In accordance with Act 54 of 1972, Foodstuffs, Cosmetics and Disinfectants, the allowable level of total aflatoxin is 10 ppb ($\mu\text{g}/\text{kg}$). In accordance with Act 36 of 1947, Fertilizers, Farm Feeds, Agricultural and Stock Remedies, the allowable level of total aflatoxin is 10 to 50 ppb ($\mu\text{g}/\text{kg}$).

The average deoxynivalenol (DON) content was 0.05 ppm (mg/kg) with the highest value being 0.48 ppm.

The average ochratoxin A content was 0.17 ppb ($\mu\text{g}/\text{kg}$) with the highest report value being 1 ppb.

Quantity of imported wheat for the 2008/2009 season (previous season)

During the 2008/2009 season, 1 201 053 tons of wheat were imported for RSA. The biggest quantity was imported from Germany, namely 518 435 tons, followed by Argentina with 368 739 tons, USA with 113 434 tons, Australia with 74 714 tons, Canada with 54 831 tons, Brazil with 44 366 tons, then Ukraine with 13 521 tons and Poland with 13 013 tons. (SAGIS web site).

For grading as well as dough and baking quality of the imported wheat, please refer to pages 56 to 67. No samples were received for analysis from Poland and Ukraine.